



# Sprockets



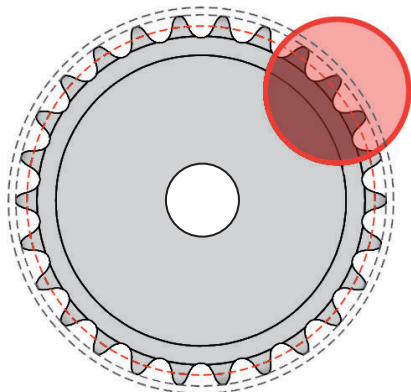
# BASICS ON SPROCKETS

Sprockets consist of mechanical teathed rotating elements which coupled with a roller chain are used to change speed, torque or direction of a motor shaft. Chains and sprockets have to be compatible,

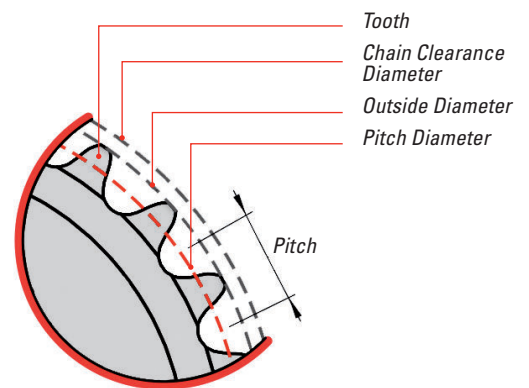
that is have to have the same thickness and pitch and work on parallel shafts, that is, with the teeth in the same plane.

## Basic features of a sprocket

The most common are marked in dots in the figure below.



Detail:



### Number of teeth

The total count of teeth is a basic feature. The use of sprockets with a small number of teeth cause bigger shock and thus more wear on the sprocket and on the chain due to the higher rotation of the bush in the pin and higher wear than in big sprockets.

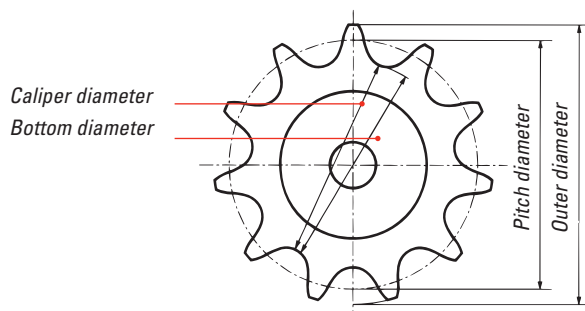
### Pitch diameter

The diameter of an imaginary circle described by the center of the chain pins.

The pitch diameter is related to the pitch by this math formula:

$$\text{Pitch diameter} = \text{Pitch} / (\sin 180/Z) \text{ being } Z \text{ the teeth number}$$

The table relates the number of teeth (Z) of the sprockets with the primitive diameter.



### Pitch

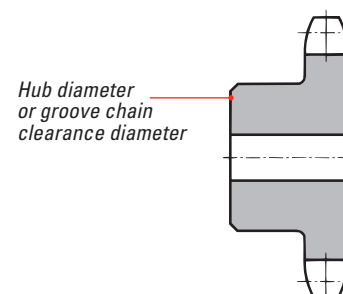
Consider the chain pitch as defined like the distance between the centers of two consecutive pins, i.e. the pins' center lines in a chain link. Represented as well in inches per tooth. As example a pitch of 0,25" is represented by # 25 and one of 0,375" is represented by # 35.

### Bottom diameter

The diameter of the imaginary circle described by the bottom point of the tooth gaps. In a pair-toothed sprocket it can be precisely measured.

### Caliper diameter

The distance between the bottom of one tooth gap to the bottom of the nearest opposite tooth in an odd-toothed sprocket. In a pair-toothed sprocket the bottom and caliper diameters are equal.



## Primitive diameter vs number of teeth

The primitive diameter (PD) is related to the pitch (P) and number of teeth (Z) by the math formula above  $PD = P / (\sin(180/Z))$ , whereas  $1/(\sin(180/Z))$  is the factor K.

The primitive diameter is obtained multiplying the factor K by the pitch corresponding to any number of teeth.

Z	K
4	1,4142
5	1,7013
6	2,0000
7	2,3048
8	2,6131
9	2,9238
10	3,2361
11	3,5495
12	3,8637
13	4,1785
14	4,4940
15	4,8097
16	5,1259
17	5,4423
18	5,7588
19	6,0756
20	6,3925
21	6,7095
22	7,0266
23	7,3439
24	7,6613
25	7,9787
26	8,2962
27	8,6138
28	8,9315
29	9,2491
30	9,5668
31	9,8845
32	10,2023
33	10,5201
34	10,8380
35	11,1558
36	11,4737
37	11,7917
38	12,1096
39	12,4275
40	12,7455
41	13,0635
42	13,3815
43	13,6995
44	14,0175
45	14,3356
46	14,6536
47	14,9717
48	15,2898
49	15,6079
50	15,9260
51	16,2441
52	16,5619

Z	K
53	16,8803
54	17,1984
55	17,5166
56	17,8347
57	18,1529
58	18,4710
59	18,7892
60	19,1073
61	19,4255
62	19,7437
63	20,0618
64	20,3800
65	20,6982
66	21,0164
67	21,3346
68	21,6528
69	21,9710
70	22,2892
71	22,6074
72	22,9256
73	23,2438
74	23,5620
75	23,8802
76	24,1984
77	24,5166
78	24,8349
79	25,1531
80	24,4713
81	25,7896
82	26,1079
83	26,4261
84	26,7442
85	27,0626
86	27,3807
87	27,6989
88	28,0170
89	28,3355
90	28,6537
91	28,9723
92	29,2901
93	29,6082
94	29,9268
95	30,2447
96	30,5632
97	30,8815
98	31,1990
99	31,5177
100	31,8362
101	32,1540

Z	K
102	32,4730
103	32,7910
104	33,1090
105	33,4270
106	33,7460
107	34,0640
108	34,3820
109	34,7010
110	35,0190
111	35,3370
112	35,6550
113	35,9740
114	36,2920
115	36,6100
116	36,9290
117	37,2470
118	37,5650
119	37,8830
120	38,2010
121	38,5190
122	38,8370
123	39,1560
124	39,4750
125	39,7940
126	40,1120
127	40,4300
128	40,7480
129	41,0660
130	41,3840
131	41,7020
132	42,0200
133	42,3380
134	42,6560
135	42,9750
136	43,2930
137	43,6110
138	43,9300
139	44,2490
140	44,5670
141	44,8850
142	45,2030
143	45,5210
144	45,8400
145	46,1580
146	46,4770
147	46,7960
148	47,1140
149	47,4320
150	47,7500

**Example:** One sprocket # 35 of 36 teeth has a Primitive Diameter of 4,3026" result obtained by multiplying the pitch of 3/8" or 0,375 by the factor K corresponding to 36 teeth 11,4737.

## Outside diameter

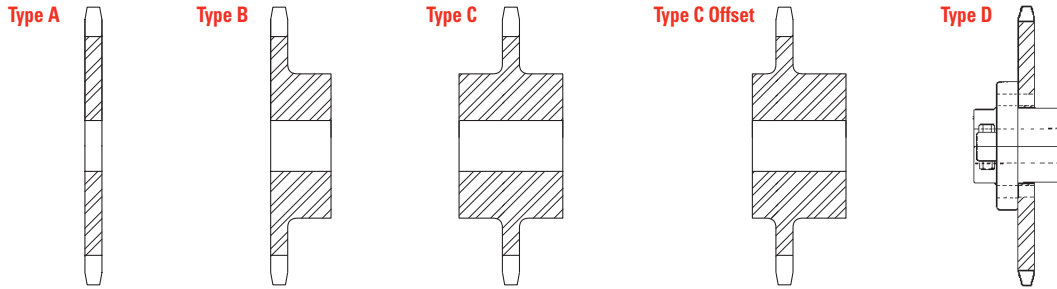
The diameter of the circle described by the tip of the teeth. This diameter is always smaller than the chain clearance diameter as does not take into account the portion of the chain added.

## Hub

The ANSI B29.1 Standard describes the classification of the sprockets by the hub shape, namely the types A, B, C, D.

**Type A.** Flat structure with no hub. This type has to be mounted on a flange or hub or any other device.

**Type B.** Flat structure with hub on one side. This type is usually used on small and intermediate size sprockets.



## Hub diameter

The diameter across the hub which cannot exceed the clearance distance of the chain wrapped-around articulation.

## Maximum bore

The largest diameter of the bore leaving a hub wall thickness enough to stand up the application's torque. Allowance for keyway and set screws must be taken into consideration.

## Length through bore. LTB

The length of the bore through the sprocket. It has to be long enough to accommodate the key to withstand the torque of the application while ensuring the stability of the sprocket on the shaft.

## Face width

The maximum width of the sprocket is constraint to allow clearance so that the chain to engage and disengage. The minimum width is constraint to the provision of enough strength needed by the application.

## Chordal effect

Known as well as the polygonal effect in chain drives. The chain passes around the sprocket as a series of chordal links causing a speed variation during the rotation through the speed angle affecting the wear. The more teeth a sprocket has the closer the chords are to a circle minimizing the chordal effect.

Consequently, the use of larger sprockets makes the rotation smoother. For smooth operation at moderate to high speeds, a driving sprocket of at least 17 teeth is a good practice. Higher than that gives better life expectancy and less noise. This combined with an odd number of chain links for uniform wear and tear on teeth and rollers produces a better result in terms of product life.

At the point A in the left figure, the chain has the maximum speed given the fact it is the result of multiplying the angular speed by the radii, that is  $V_{max} = \pi d n$ . When the point A of the chain link arrives at point B, right figure, the speed is  $V_{min} = \pi d n \cos(\alpha/2)$ , thus the change in speed is  $V_{max} - V_{min} = \pi d n [1 - \cos(\alpha/2)]$ . The result is that the speed is not uniform provoking a shaking movement, which is what the chordal effect is about. The chordal effect decreases to the extent the number of teeth increases.

## Chain clearance diameter

The diameter of an imaginary circle described by the tip of the chain wrapping the sprocket. This diameter will always be greater than the outside diameter and it is very useful when checking distances of the sprockets to potential obstacles.

**Type C.** Flat structure with hubs on both sides. Hubs are centered. Usually used in large size sprockets.

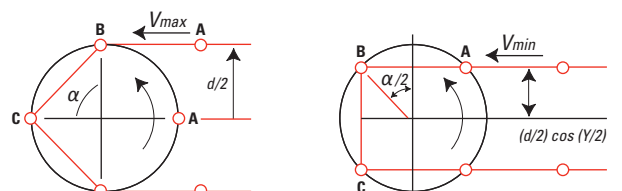
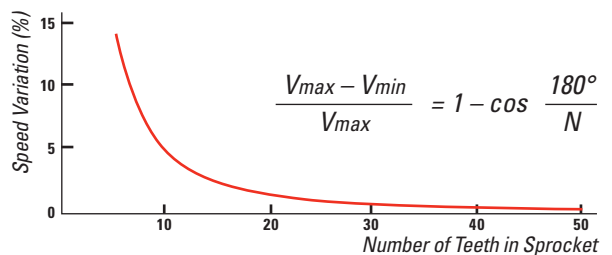
**Type C Offset.** Hubs in both sides off center. This type is a variation of the Type C above.

**Type D.** Hub attached to a plate by a detachable bolt.

## Minimum Plain Bore (MPB)

Plain bores, often referred to as minimum plain bores or MPB, are simply untapered bores drilled through the center of a pulley, gear, sprocket, or sheave. In our Reference numbers we use MPB to designate the plain bore style. Finished bores are plain bores with the addition of either a keyway, set screws, or both. An F in the Reference part number illustrates a finished bore. A keyway is a slot cut into a pulley, gear, sprocket, or sheave to accept a key that engages with a similar slot on a shaft to block the relative motion of the two components. Keys connecting shafts to sprocket hubs are commonly used to achieve reliable no-slip power transmission in belt drive systems. A set screw is a screw through the sprocket hub to keyway tightening the key into the keyseat and thus limiting slippage. Typically, set screws are used on larger diameter components as they normally transmit higher loads. There are some advantages to having a plain bore. With a plain bore, it is easier to customize how the component is fixed to the shaft. A plain bore can be opened to a larger bore diameter, can be made into a finished bore, or can even be customized in other ways such as incorporating pins or screws. There are also advantages to having a finished bore, the most noteworthy advantage is the increased prevention of shaft slippage. It allows for the component to move larger loads with increased accuracy. A noteworthy disadvantage is in the food and beverage industry where set screw holes will at times fill with debris depending on the application.

Composing the speed variation ratio with the number of teeth, the result shows that the bigger the number of teeth the less is the ratio of the speed variation.



# SPROCKET STANDARDS

## Sprocket and Roller Chain Standards

The ISO Standard is mainly used in Europe. The British Standard, BS is equivalent to the ISO 606 B. The sprockets under this standard require chains of ISO / BS. Although they resemble to the ANSI they are thick and in general do not match.

In general, the ANSI Standard B.29.1 for Sprocket/Chain is mainly used in North America and Asia.

JIS Standards are mostly used in Japan under JIS standards B 1801, B 1802 and B 1803.

DIN Standards are very similar to the BS an ANSI Standards under the codes 8187 and 8188.

SPROCKET & CHAIN CATEGORY / STANDARD	ANSI	ISO/BS	JIS
Power transmission sprocket	B29.1M	606	B 1802
Power transmission roller chain	B29.1M	606	B 1801
Power transmission bushed chain	B29.1M	1395	B 1801
Heavy duty chain	B29.1M	3512	
Leaf chain	B29.8M	4347	B 1804
Double pitch conveyor and chain sprocket	B 29.4	1275	B 1803
Conveyor chain	B 29.15	1977/1-3	JCAS 2

## A. ANSI Standard Sprockets

Number of Sprocket with a minimum of two digits and a maximum of three. Starts with 25 up to 240. ANSI has eight different strand types, namely single, double, triple and multiple, that is 4, 5, 6, 8 and 10. They are measured in eighths of an inch.

Type of Sprocket. A to D plus inter-versions. Maximum of two digits.

Number of strands. One only digit. 1 for one strand and further up to 4.

Number of teeth. A maximum of three digits for 100 or more teeth.

Taper Bush. Two alpha numbers describing the Taper Bush type, either TB for Taper Lock®, QD® for Quick Detach, ST® for Split Taper, XT® for Extra Taper.

Material. Two alpha numbers to describe the material and surface plating if any. SS for Stainless Steel, BR for Brass. BZ for bronze. Cd for Cadmium plate, Ni for Nickel, Zi for Zinc, Cr for Chrome, OM for other material. No reference describes Steel as material.

Heat Treatment. Two alpha numbers to be described HT Hardened Teeth, CH Case Hardened or NT for No Treatment.

Bore. Two alpha numbers describing, PB for Minimum Plain Bore, FB for Finished Bore. A finish bore means a bore with a keyway and two setscrews.

PB for Plain Bore is usually referred to as Minimum Plain Bore, MPB, which are simply untampered bores drilled through the center of the sprocket, gear or pulley given the case.

Minimum Plain Bore has advantages as the element can be customized, converting it to a Finished Bore and inserting set screws.

FB for Finished Bore are bores with the addition of a keyway and eventually by Set Screws, referred usually as SS. The set screws are used to tight the component, in this case a sprocket to the shaft and the key to the key, thus limiting the slippage and backlash. Usually, set screws are used on larger elements which may transmit higher loads.

**Example:** 35 C 2 19 TB HT PB 1 1/2"

This is an ANSI-type sprocket with a 3/8" pitch Rollerless chain, Symmetrical Double hub, two strands, 19 teeth, Taper Bush, Teeth hardened, Minimum Plain bore of 1 1/2".

## B. ISO Standard Sprockets

The ISO Roller Chain Sprockets are designed to engage British Standard Chains in conformity to the ISO 606 Standard, and are not interchangeable with the ANSI Sprockets. The former is mainly used in Europe and Africa, they are measured in sixteenths of an inch although expressed in metric units. The ISO Standard includes, single, double and triple strand sprockets.

The outer plates of the ISO roller chain are above the application needs, resulting in a heavier and bulkier chain with longer life.

The letter B is a fix part of the reference which indicates the European Standard and starts with 06B for a pitch of 3/8" and continues with 08B, 10B, 12B, 16B, 20B, 24B and 32B with a 2" pitch.

The ISO sprockets Metric bore sizes are described with the alpha number MM and Two digits for the diameter.

**Example:** 20 B-3 indicates an ISO Sprocket of 1 11/4" pitch, three strands

### \*Hardened Teeth

Case hardening the teeth of the sprockets usually by induction, provides at their wearing areas a hard layer which contributes to the reduction of wear as well as absorbs shock loads, while maintains the ductility of the core.

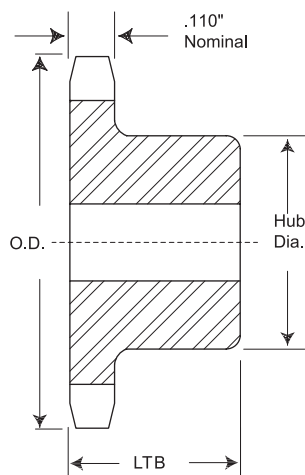
Although the general guide of chain technique advises to harden the teeth in sprockets less than 25 teeth due to the fact that the load in teeth increases as the number of teeth decreases, the sprockets of our program are hundred percent hardened teeth.

\* Reproduced from Chapter H page: Ha6

# IA. ANSI SPROCKETS

## NO 25 1/4" PITCH TYPE A & B

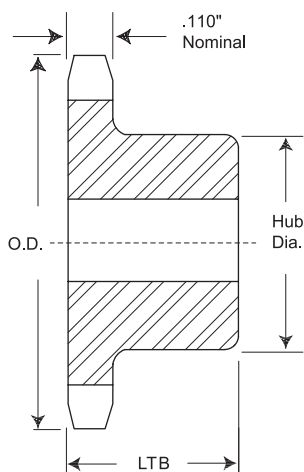
Type A					Type B							
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
9	0,837					TL-25B9	1/4	1/4	7/16	1/2	0,014	0,03
10	0,919					TL-25B10	1/4	1/4	1/2	1/2	0,014	0,03
11	1,002					TL-25B11	1/4	5/16	9/16	1/2	0,018	0,04
12	1,083					TL-25B12	1/4	3/8	5/8	1/2	0,027	0,06
13	1,167					TL-25B13	1/4	7/16	23/32	1/2	0,032	0,07
14	1,246					TL-25B14	1/4	9/16	13/16	1/2	0,036	0,08
15	1,326					TL-25B15	1/4	9/16	57/64	1/2	0,045	0,10
16	1,407					TL-25B16	1/4	9/16	31/32	1/2	0,054	0,12
17	1,487					TL-25B17	1/4	5/8	1 1/32	1/2	0,064	0,14
18	1,568	TL-25A18	1/4	0,018	0,04	TL-25B18	1/4	3/4	1 1/8	1/2	0,073	0,16
19	1,648	TL-25A19	1/4	0,018	0,04	TL-25B19	1/4	13/16	1 7/32	1/2	0,086	0,19
20	1,729	TL-25A20	1/4	0,018	0,04	TL-25B20	1/4	7/8	1 9/32	5/8	0,113	0,25
21	1,809	TL-25A21	3/8	0,018	0,04	TL-25B21	1/4	7/8	1 3/8	5/8	0,127	0,28
22	1,889	TL-25A22	3/8	0,027	0,06	TL-25B22	1/4	15/16	1 7/16	5/8	0,141	0,31
23	1,969	TL-25A23	3/8	0,027	0,06	TL-25B23	1/4	1	1 1/2	5/8	0,145	0,32
24	2,049	TL-25A24	3/8	0,036	0,08	TL-25B24	3/8	1	1 1/2	5/8	0,15	0,33
25	2,129	TL-25A25	3/8	0,036	0,08	TL-25B25	3/8	1	1 1/2	5/8	0,154	0,34
26	2,209	TL-25A26	3/8	0,041	0,09	TL-25B26	3/8	1	1 1/2	5/8	0,159	0,35
28	2,369	TL-25A28	3/8	0,045	0,10	TL-25B28	3/8	1	1 1/2	5/8	0,163	0,36
30	2,529	TL-25A30	3/8	0,054	0,12	TL-25B30	3/8	1	1 1/2	5/8	0,172	0,38
32	2,688	TL-25A32	3/8	0,064	0,14	TL-25B32	3/8	1	1 1/2	5/8	0,181	0,40
35	2,928	TL-25A35	3/8	0,073	0,16						0	
36	3,008	TL-25A36	3/8	0,082	0,18	TL-25B36	3/8	1	1 1/2	3/4	0,227	0,50
40	3,327	TL-25A40	1/2	0,091	0,20	TL-25B40	1/2	1 3/8	2	3/4	0,240	0,53
42	3,486	TL-25A42	1/2	0,109	0,24						0	
45	3,725	TL-25A45	1/2	0,113	0,25	TL-25B45	1/2	1 3/8	2	3/4	0,254	0,56
48	3,964	TL-25A48	1/2	0,145	0,32	TL-25B48	1/2	1 3/8	2	3/4	0,254	0,56
54	4,442	TL-25A54	1/2	0,172	0,38	TL-25B54	1/2	1 3/8	2	3/4	0,454	1,00
60	4,920	TL-25A60	1/2	0,245	0,54	TL-25B60	1/2	1 3/8	2	3/4	0,499	1,10
70						TL-25B70	1/2	1 3/8	2	3/4	0,567	1,25
72	5,876	TL-25A72	1/2	0,336	0,74	TL-25B72	1/2	1 3/8	2	3/4	0,59	1,30



# NO 25 1/4" PITCH STAINLESS STEEL

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
9	0,837	TL-25BSS9	1/4	1/4	7/16	1/2	0,014	0,03
10	0,919	TL-25BSS10	1/4	1/4	1/2	1/2	0,014	0,03
11	1,001	TL-25BSS11	1/4	5/16	9/16	1/2	0,014	0,03
12	1,083	TL-25BSS12	1/4	3/8	5/8	1/2	0,027	0,06
13	1,164	TL-25BSS13	1/4	7/16	23/32	1/2	0,032	0,07
14	1,245	TL-25BSS14	1/4	9/16	13/16	1/2	0,036	0,08
15	1,326	TL-25BSS15	1/4	9/16	57/64	1/2	0,045	0,10
16	1,407	TL-25BSS16	1/4	9/16	31/32	1/2	0,054	0,12
17	1,487	TL-25BSS17	1/4	5/8	1 1/32	1/2	0,064	0,14
18	1,568	TL-25BSS18	1/4	3/4	1 1/8	1/2	0,073	0,16
19	1,648	TL-25BSS19	1/4	13/16	1 7/32	1/2	0,086	0,19
20	1,728	TL-25BSS20	1/4	7/8	1 9/32	5/8	0,113	0,25
21	1,809	TL-25BSS21	1/4	7/8	1 3/8	5/8	0,127	0,28
22	1,889	TL-25BSS22	1/4	15/16	1 7/16	5/8	0,141	0,31
23	1,969	TL-25BSS23	1/4	1	1 1/2	5/8	0,145	0,32
24	2,049	TL-25BSS24	3/8	1	1 1/2	5/8	0,150	0,33
25	2,129	TL-25BSS25	3/8	1	1 1/2	5/8	0,154	0,34
26	2,209	TL-25BSS26	3/8	1	1 1/2	5/8	0,159	0,35
28	2,369	TL-25BSS28	3/8	1	1 1/2	5/8	0,163	0,36
30	2,529	TL-25BSS30	3/8	1	1 1/2	5/8	0,172	0,38
36	3,008	TL-25BSS36	3/8	1	1 1/2	3/4	0,227	0,50
40	3,327	TL-25BSS40	1/2	1 3/8	2	3/4	0,240	0,53
45	3,725	TL-25BSS45	1/2	1 3/8	2	3/4	0,254	0,56
60	4,920	TL-25BSS60	1/2	1 3/8	2	3/4	0,499	1,10

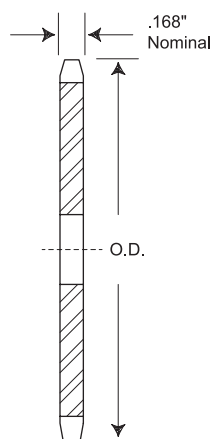


# NO 35 3/8" PITCH TYPE A & B

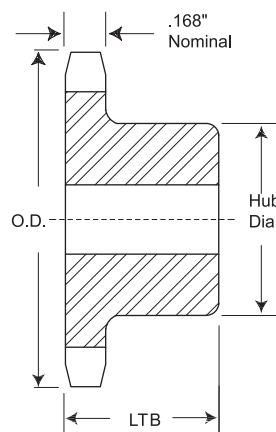
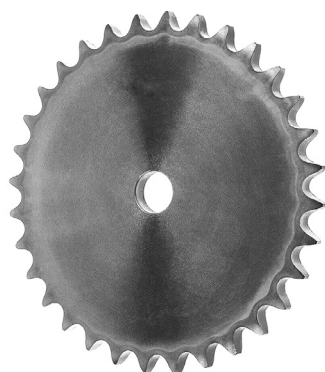
## Type A

## Type B

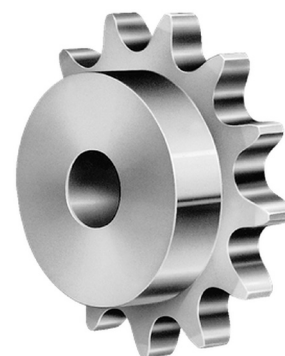
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
8	1,130					TL-35B8	3/8	3/8	3/4	3/4	0,032	0,07
9	1,260					TL-35B9	3/8	3/8	27/32	3/4	0,041	0,09
10	1,380					TL-35B10	3/8	9/16	31/32	3/4	0,064	0,14
11	1,500					TL-35B11	3/8	9/16	1 1/16	3/4	0,077	0,17
12	1,630					TL-35B12	1/2	9/16	1 7/32	3/4	0,091	0,20
13	1,750					TL-35B13	1/2	11/16	1 1/4	3/4	0,104	0,23
14	1,870					TL-35B14	1/2	7/8	1 1/4	3/4	0,113	0,25
15	1,990	TL-35A15	1/2	0,045	0,10	TL-35B15	1/2	7/8	1 11/32	3/4	0,132	0,29
16	2,110	TL-35A16	1/2	0,054	0,12	TL-35B16	1/2	15/16	1 15/32	3/4	0,159	0,35
17	2,230	TL-35A17	1/2	0,054	0,12	TL-35B17	1/2	1 1/16	1 19/32	3/4	0,191	0,42
18	2,350	TL-35A18	1/2	0,064	0,14	TL-35B18	1/2	1 3/16	1 23/32	3/4	0,218	0,48
19	2,470	TL-35A19	1/2	0,073	0,16	TL-35B19	1/2	1 1/4	1 27/32	3/4	0,245	0,54
20	2,590	TL-35A20	1/2	0,091	0,20	TL-35B20	1/2	1 5/16	1 15/16	3/4	0,268	0,59
21	2,710	TL-35A21	1/2	0,091	0,20	TL-35B21	1/2	1 3/8	2	7/8	0,363	0,80
22	2,830	TL-35A22	1/2	0,100	0,22	TL-35B22	1/2	1 3/8	2	7/8	0,363	0,80
23	2,950	TL-35A23	1/2	0,109	0,24	TL-35B23	1/2	1 3/8	2	7/8	0,372	0,82
24	3,070	TL-35A24	1/2	0,118	0,26	TL-35B24	1/2	1 3/8	2	7/8	0,399	0,88
25	3,190	TL-35A25	1/2	0,127	0,28	TL-35B25	1/2	1 3/8	2	7/8	0,399	0,88
26	3,310	TL-35A26	1/2	0,127	0,28	TL-35B26	1/2	1 3/8	2	7/8	0,408	0,90
27	3,430	TL-35A27	1/2	0,154	0,34	TL-35B27	1/2	1 3/8	2	7/8	0,426	0,94
28	3,550	TL-35A28	1/2	0,154	0,34	TL-35B28	1/2	1 3/8	2	7/8	0,426	0,94
30	3,790	TL-35A30	1/2	0,209	0,46	TL-35B30	1/2	1 3/8	2	7/8	0,463	1,02
32	4,030	TL-35A32	5/8	0,209	0,46	TL-35B32	1/2	1 3/8	2	7/8	0,562	1,24
35	4,390	TL-35A35	5/8	0,272	0,60	TL-35B35	5/8	1 1/2	2 1/4	7/8	0,680	1,50
36	4,510	TL-35A36	5/8	0,281	0,62	TL-35B36	5/8	1 1/2	2 1/4	7/8	0,708	1,56
40	4,990	TL-35A40	19/32	0,318	0,70	TL-35B40	5/8	1 1/2	2 1/4	1	0,735	1,62
42	5,230	TL-35A42	19/32	0,354	0,78	TL-35B42	5/8	1 1/2	2 1/4	1	0,762	1,68
45	5,590	TL-35A45	19/32	0,399	0,88	TL-35B45	5/8	1 1/2	2 1/4	1	0,807	1,78
48	5,950	TL-35A48	19/32	0,549	1,21	TL-35B48	5/8	1 1/2	2 1/4	1	0,853	1,88
54	6,660	TL-35A54	19/32	0,599	1,32	TL-35B54	5/8	1 1/2	2 1/4	1	0,998	2,20
60	7,380	TL-35A60	23/32	0,753	1,66	TL-35B60	3/4	1 1/2	2 1/4	1	1,125	2,48
70	8,580	TL-35A70	23/32	1,043	2,30	TL-35B70	3/4	1 1/2	2 1/4	1	1,415	3,12
72	8,810	TL-35A72	23/32	1,161	2,56	TL-35B72	3/4	1 1/2	2 1/4	1	1,551	3,42
80	9,770	TL-35A80	23/32	1,433	3,16	TL-35B80	3/4	1 1/2	2 1/4	1	1,733	3,82
84	10,250	TL-35A84	23/32	1,479	3,26	TL-35B84	3/4	1 1/2	2 1/4	1	1,923	4,24
96	11,680	TL-35A96	23/32	2,105	4,64	TL-35B96	3/4	1 1/2	2 1/4	1	2,341	5,16
112	13,590	TL-35A112	23/32	2,291	5,05	TL-35B112	3/4	1 1/2	2 1/4	1	3,039	6,70



Type A



Type B

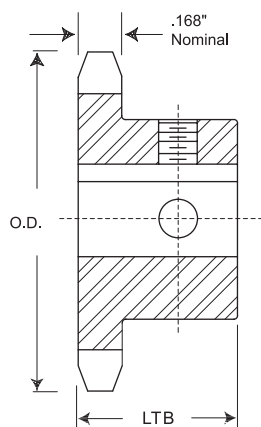




# NO 35 3/8" PITCH TYPE BS

## Type BS

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT	
				Kgs	Lbs
9	1,260	TL-35BS9	3/4	0,045	0,10
10	1,380	TL-35BS10	3/4	0,050	0,11
11	1,500	TL-35BS11	3/4	0,068	0,15
12	1,630	TL-35BS12	3/4	0,082	0,18
13	1,750	TL-35BS13	3/4	0,091	0,20
14	1,870	TL-35BS14	3/4	0,100	0,22
15	1,990	TL-35BS15	3/4	0,109	0,24
16	2,110	TL-35BS16	3/4	0,132	0,29
17	2,230	TL-35BS17	3/4	0,163	0,36
18	2,350	TL-35BS18	3/4	0,177	0,39
19	2,470	TL-35BS19	3/4	0,200	0,44
20	2,590	TL-35BS20	3/4	0,231	0,51
21	2,710	TL-35BS21	7/8	0,340	0,75
22	2,830	TL-35BS22	7/8	0,354	0,78
23	2,950	TL-35BS23	7/8	0,354	0,78
24	3,070	TL-35BS24	7/8	0,358	0,79
25	3,190	TL-35BS25	7/8	0,363	0,80
26	3,310	TL-35BS26	7/8	0,381	0,84
27	3,430	TL-35BS27	7/8	0,399	0,88
28	3,550	TL-35BS28	7/8	0,390	0,86
30	3,790	TL-35BS30	7/8	0,435	0,96
32	4,030	TL-35BS32	7/8	0,517	1,14
35	4,390	TL-35BS35	7/8	0,626	1,38
36	4,510	TL-35BS36	7/8	0,640	1,41
40	4,990	TL-35BS40	1	0,708	1,56
42	5,230	TL-35BS42	1	0,744	1,64
45	5,590	TL-35BS45	1	0,789	1,74
48	5,950	TL-35BS48	1	0,844	1,86
54	6,660	TL-35BS54	1	0,898	1,98
60	7,380	TL-35BS60	1	1,061	2,34
70	8,580	TL-35BS70	1	1,424	3,14
72	8,810	TL-35BS72	1	1,497	3,30
80	9,770	TL-35BS80	1	1,787	3,94
84	10,250	TL-35BS84	1	1,932	4,26
96	11,680	TL-35BS96	1	2,368	5,22
112	13,590	TL-35BS112	1	2,948	6,50

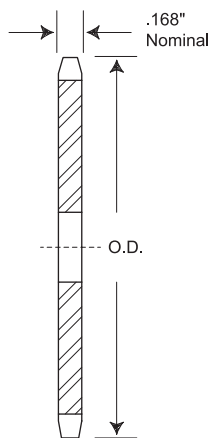


# NO 35 3/8" PITCH STAINLESS STEEL

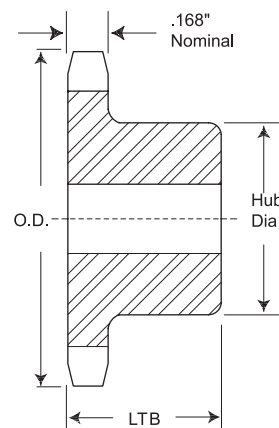
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
9	1,260					TL-35BSS9	3/8	3/8	27/32	3/4	0,045	0,10
10	1,380					TL-35BSS10	3/8	9/16	31/32	3/4	0,068	0,15
11	1,500					TL-35BSS11	3/8	9/16	1 1/16	3/4	0,091	0,20
12	1,630					TL-35BSS12	1/2	5/8	1 7/32	3/4	0,100	0,22
13	1,750					TL-35BSS13	1/2	3/4	1 1/4	3/4	0,113	0,25
14	1,870					TL-35BSS14	1/2	7/8	1 1/4	3/4	0,118	0,26
15	1,990					TL-35BSS15	1/2	7/8	1 11/32	3/4	0,136	0,30
16	2,110					TL-35BSS16	1/2	15/16	1 15/32	3/4	0,181	0,40
17	2,230					TL-35BSS17	1/2	1 1/16	1 19/32	3/4	0,195	0,43
18	2,350					TL-35BSS18	1/2	1 3/16	1 23/32	3/4	0,227	0,50
19	2,470					TL-35BSS19	1/2	1 1/4	1 27/32	3/4	0,254	0,56
20	2,590					TL-35BSS20	1/2	1 5/16	1 15/16	3/4	0,308	0,68
21	2,710					TL-35BSS21	1/2	1 3/8	2	7/8	0,363	0,80
22	2,830					TL-35BSS22	1/2	1 3/8	2	7/8	0,372	0,82
23	2,950					TL-35BSS23	1/2	1 3/8	2	7/8	0,395	0,87
24	3,070					TL-35BSS24	1/2	1 3/8	2	7/8	0,404	0,89
25	3,190					TL-35BSS25	1/2	1 3/8	2	7/8	0,413	0,91
26	3,310					TL-35BSS26	1/2	1 3/8	2	7/8	0,422	0,93
28	3,550					TL-35BSS28	1/2	1 3/8	2	7/8	0,454	1,00
30	3,790					TL-35BSS30	1/2	1 3/8	2	7/8	0,481	1,06
35	4,390					TL-35BSS35	5/8	1 1/2	2 1/4	7/8	0,708	1,56
40	4,990	TL-35ASS40	19/32	0,472	1,04	TL-35BSS40	5/8	1 1/2	2 1/4	1	0,771	1,70
45	5,590	TL-35ASS45	19/32	0,572	1,26	TL-35BSS45	5/8	1 1/2	2 1/4	1	0,989	2,18
60	7,380	TL-35ASS60	23/32	0,953	2,10	TL-35BSS60	3/4	1 1/2	2 1/4	1	1,361	3,00



Type A



Type B

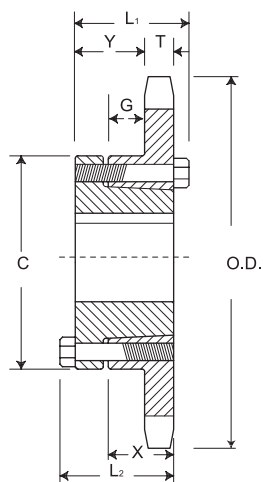


# NO 35 3/8" PITCH TYPE QD

Type QD

Type B

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)	DIMENSIONS							WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch			Max	L1	L2	C	Y	G	X	T	Kgs	Lbs	Kgs
19	2,470	2,278	TL-35JA19	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,535	1,18	0,127	0,28
20	2,590	2,397	TL-35JA20	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,553	1,22	0,145	0,32
21	2,710	2,516	TL-35JA21	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,562	1,24	0,154	0,34
22	2,830	2,635	TL-35JA22	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,572	1,26	0,163	0,36
23	2,950	2,754	TL-35JA23	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,581	1,28	0,172	0,38
24	3,070	3,873	TL-35JA24	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,590	1,30	0,181	0,40
25	3,190	2,992	TL-35JA25	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,608	1,34	0,200	0,44
26	3,310	3,111	TL-35JA26	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,617	1,36	0,209	0,46
27	3,430	3,230	TL-35JA27	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,626	1,38	0,218	0,48
28	3,550	3,349	TL-35JA28	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,644	1,42	0,236	0,52
30	3,790	3,588	TL-35JA30	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,662	1,46	0,254	0,56
32	4,030	3,826	TL-35JA32	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,762	1,68	0,354	0,78
35	4,390	4,183	TL-35JA35	1 1/4	1 1/8	1 1/8	2 1/16	53/64	29/64	5/8	0,168	0,880	1,94	0,472	1,04
36	4,510	4,303	TL-35SH36	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	0,934	2,06	0,481	1,06
40	4,990	4,780	TL-35SH40	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	0,989	2,18	0,535	1,18
42	5,230	5,018	TL-35SH42	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,025	2,26	0,572	1,26
45	5,590	5,376	TL-35SH45	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,089	2,40	0,635	1,40
48	5,950	5,734	TL-35SH48	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,170	2,58	0,717	1,58
54	6,660	6,449	TL-35SH54	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,306	2,88	0,853	1,88
60	7,380	7,165	TL-35SH60	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,488	3,28	1,034	2,28
70	8,580	8,358	TL-35SH70	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,787	3,94	1,334	2,94
72	8,810	8,597	TL-35SH72	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	1,878	4,14	1,424	3,14
80	9,770	9,552	TL-35SH80	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	2,123	4,68	1,669	3,68
84	10,250	10,029	TL-35SH84	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	2,204	4,86	1,796	3,96
96	11,680	11,461	TL-35SH96	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	2,894	6,38	2,440	5,38
112	13,590	13,371	TL-35SH112	1 5/8	1 7/16	1 7/16	2 11/16	1 5/64	41/64	13/16	0,168	3,447	7,60	2,994	6,60

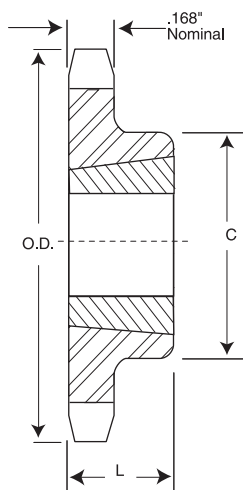


# NO 35 3/8" PITCH TYPE TAPER BUSH

## Taper Bushed

## Type B

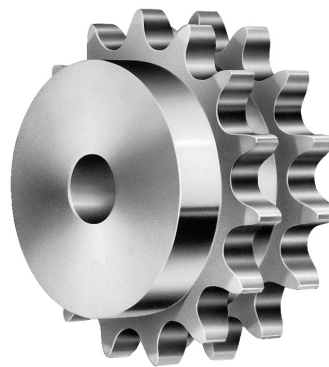
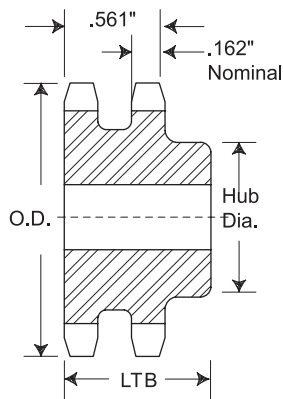
NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
18	2,352	2,159	1008	TL-35BTB18	1	7/8	1 7/8	0,181	0,4	0,136	0,3
19	2,472	2,278	1008	TL-35BTB19	1	7/8	1 13/16	0,227	0,5	0,136	0,3
20	2,593	2,397	1008	TL-35BTB20	1	7/8	1 15/16	0,272	0,6	0,136	0,3
21	2,713	2,516	1008	TL-35BTB21	1	7/8	2 1/16	0,318	0,7	0,136	0,3
22	2,883	2,635	1210	TL-35BTB22	1 1/4	1	2 3/8	0,363	0,8	0,272	0,6
23	2,954	2,754	1210	TL-35BTB23	1 1/4	1	2 7/16	0,408	0,9	0,272	0,6
24	3,074	2,873	1210	TL-35BTB24	1 1/4	1	2 7/16	0,408	0,9	0,272	0,6
25	3,194	2,992	1210	TL-35BTB25	1 1/4	1	2 7/16	0,544	1,2	0,272	0,6
26	3,314	3,111	1610	TL-35BTB26	1 5/8	1	2 7/8	0,499	1,1	0,408	0,9
28	3,553	3,349	1610	TL-35BTB28	1 5/8	1	2 7/8	0,544	1,2	0,408	0,9
30	3,793	3,588	1610	TL-35BTB30	1 5/8	1	3 1/8	0,544	1,2	0,408	0,9
32	4,032	3,826	1610	TL-35BTB32	1 5/8	1	3 1/4	0,590	1,3	0,408	0,9
35	4,392	4,183	1610	TL-35BTB35	1 5/8	1	3 1/4	0,635	1,4	0,408	0,9
36	4,511	4,303	1610	TL-35BTB36	1 5/8	1	3 1/4	0,635	1,4	0,408	0,9
40	4,990	4,786	1610	TL-35BTB40	1 5/8	1	3 1/4	0,862	1,9	0,408	0,9
42	5,229	5,018	1610	TL-35BTB42	1 5/8	1	3 1/4	0,907	2,0	0,408	0,9
45	5,588	5,376	1610	TL-35BTB45	1 5/8	1	3 1/4	0,953	2,1	0,408	0,9
48	5,946	5,734	1610	TL-35BTB48	1 5/8	1	3 1/4	1,043	2,3	0,408	0,9
54	6,663	6,449	1610	TL-35BTB54	1 5/8	1	3 1/4	1,179	2,6	0,408	0,9
60	7,380	7,165	1610	TL-35BTB60	1 5/8	1	3 1/4	1,361	3,0	0,408	0,9
70	8,575	8,358	1610	TL-35BTB70	1 5/8	1	3 1/4	1,678	3,7	0,408	0,9
72	8,814	8,597	1610	TL-35BTB72	1 5/8	1	3 1/4	1,769	3,9	0,408	0,9
80	9,770	9,552	1610	TL-35BTB80	1 5/8	1	3 1/4	2,041	4,5	0,408	0,9
84	10,247	10,029	1610	TL-35BTB84	1 5/8	1	3 1/4	2,223	4,9	0,408	0,9
96	11,680	11,461	1610	TL-35BTB96	1 5/8	1	3 1/4	2,722	6,0	0,408	0,9
112	13,590	13,371	1610	TL-35BTB112	1 5/8	1	3 1/4	3,538	7,8	0,408	0,9



# NO 35-2 3/8" PITCH DOUBLE. TYPE B

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
12	1,630	TL-35-2B12	1/2	9/16	63/64	1 1/4	0,145	0,32
13	1,750	TL-35-2B13	1/2	11/16	1 7/64	1 1/4	0,163	0,36
14	1,870	TL-35-2B14	1/2	7/8	1 1/4	1 1/4	0,200	0,44
15	1,990	TL-35-2B15	1/2	15/16	1 13/32	1 1/4	0,254	0,56
16	2,110	TL-35-2B16	1/2	15/16	1 15/32	1 1/4	0,290	0,64
17	2,230	TL-35-2B17	1/2	1 1/16	1 19/32	1 1/4	0,336	0,74
18	2,350	TL-35-2B18	1/2	1 3/16	1 23/32	1 1/4	0,381	0,84
19	2,470	TL-35-2B19	1/2	1 5/16	1 7/8	1 1/4	0,435	0,96
20	2,590	TL-35-2B20	3/4	1 5/16	1 15/16	1 3/8	0,490	1,08
21	2,710	TL-35-2B21	3/4	1 3/8	2 1/16	1 3/8	0,562	1,24
22	2,830	TL-35-2B22	3/4	1 7/16	2 3/16	1 3/8	0,644	1,42
23	2,950	TL-35-2B23	3/4	1 1/2	2 1/4	1 3/8	0,699	1,54
24	3,070	TL-35-2B24	3/4	1 1/2	2 1/4	1 3/8	0,735	1,62
25	3,190	TL-35-2B25	3/4	1 1/2	2 1/4	1 3/8	0,753	1,66
26	3,310	TL-35-2B26	3/4	1 3/4	2 1/2	1 3/8	0,898	1,98
30	3,790	TL-35-2B30	3/4	1 3/4	2 1/2	1 3/8	1,061	2,34
36	4,510	TL-35-2B36	3/4	1 3/4	2 1/2	1 3/8	1,361	3,00
42	5,230	TL-35-2B42	3/4	1 3/4	2 1/2	1 3/8	1,724	3,80
48	5,950	TL-35-2B48	3/4	1 3/4	2 1/2	1 3/8	2,114	4,66
52	6,430	TL-35-2B52	3/4	1 3/4	2 1/2	1 3/8	2,449	5,40
60	7,380	TL-35-2B60	3/4	1 3/4	2 1/2	1 3/8	3,103	6,84
68	8,340	TL-35-2B68	3/4	2 3/8	3 1/2	1 1/2	4,540	10,01
72	8,810	TL-35-2B72	3/4	2 3/8	3 1/2	1 1/2	5,008	11,04
76	9,290	TL-35-2B76	3/4	2 3/8	3 1/2	1 1/2	5,416	11,94
84	10,250	TL-35-2B84	3/4	2 3/8	3 1/2	1 1/2	6,795	14,98
95	11,560	TL-35-2B95	1	2 3/8	3 1/2	1 1/2	7,902	17,42
96	11,680	TL-35-2B96	1	2 3/8	3 1/2	1 1/2	8,228	18,14
102	12,400	TL-35-2B102	1	2 3/8	3 1/2	1 1/2	9,036	19,92

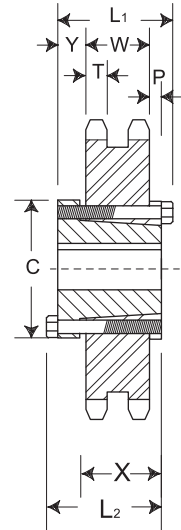


# NO 35-2 3/8" PITCH DOUBLE. TYPE QD

## Type QD

## Type C

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch			Max	L1	L2	C	Y	P	X	T	W	Kgs	Lbs	Kgs
68	8,340	8,120	TL-35-2SDS-68	2	1 1/2	1 1/2	3 3/16	9/16	3/16	3/4	0,162	0,561	3,810	8,40	3,357	7,40
72	8,810	8,597	TL-35-2SDS-72	2	1 1/2	1 1/2	3 3/16	9/16	3/16	3/4	0,162	0,561	4,209	9,28	3,756	8,28
76	9,290	9,074	TL-35-2SDS-76	2	1 1/2	1 1/2	3 3/16	9/16	3/16	3/4	0,162	0,561	4,681	10,32	4,227	9,32
84	10,250	10,029	TL-35-2SK-84	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	0,162	0,561	6,323	13,94	5,416	11,94
95	11,560	11,342	TL-35-2SK-95	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	0,162	0,561	7,811	17,22	6,904	15,22
96	11,680	11,461	TL-35-2SK-96	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	0,162	0,561	8,047	17,74	7,140	15,74
102	12,400	12,177	TL-35-2SK-102	2 5/8	2 1/8	2 1/8	3 7/8	5/8	11/16	1 1/4	0,162	0,561	8,963	19,76	8,056	17,76

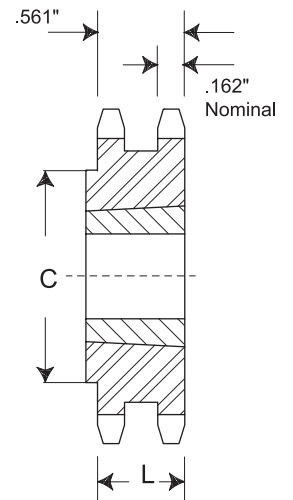


# NO 35-2 3/8" PITCH DOUBLE. TYPE TAPER BUSH

## Taper Bushed

## Type B

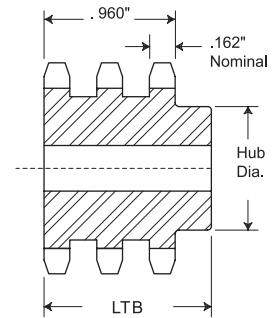
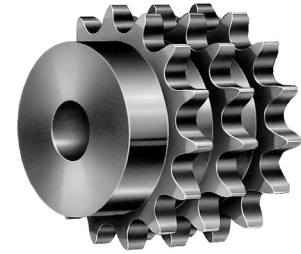
NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
19	2,472	2,278	1008	TL-35-2BTB19	1	7/8	1 53/64	0,272	0,6	0,136	0,3
20	2,593	2,397	1008	TL-35-2BTB20	1	7/8	1 15/16	0,363	0,8	0,136	0,3
21	2,713	2,516	1008	TL-35-2BTB21	1	7/8	2 1/16	0,635	1,4	0,136	0,3
22	2,833	2,635	1008	TL-35-2BTB22	1	7/8	2 3/16	0,771	1,7	0,136	0,3
24	3,074	2,873	1210	TL-35-2BTB24	1 1/4	1	2 7/16	0,816	1,8	0,272	0,6
26	3,314	3,111	1210	TL-35-2BTB26	1 1/4	1	2 5/8	0,907	2,0	0,272	0,6
30	3,793	3,588	1610	TL-35-2BTB30	1 5/8	1	3 1/8	0,816	1,8	0,408	0,9
32	4,032	3,826	1610	TL-35-2BTB32	1 5/8	1	3 1/4	0,907	2,0	0,408	0,9
35	4,392	4,183	1610	TL-35-2BTB35	1 5/8	1	3 1/4	1,043	2,3	0,408	0,9
40	4,990	4,780	1610	TL-35-2BTB40	1 5/8	1	3 1/4	1,315	2,9	0,408	0,9
45	5,588	5,376	1610	TL-35-2BTB45	1 5/8	1	3 1/4	1,451	3,2	0,408	0,9
48	5,946	5,734	1610	TL-35-2BTB48	1 5/8	1	3 5/8	1,588	3,5	0,408	0,9
54	6,663	6,449	1610	TL-35-2BTB54	1 5/8	1	3 5/8	1,769	3,9	0,408	0,9
60	7,380	7,165	1610	TL-35-2BTB60	1 5/8	1	3 5/8	2,223	4,9	0,408	0,9
70	8,575	8,358	1610	TL-35-2BTB70	1 5/8	1	3 5/8	2,858	6,3	0,408	0,9
80	9,770	9,552	1610	TL-35-2BTB80	1 5/8	1	3 5/8	3,583	7,9	0,408	0,9
96	11,680	11,461	1610	TL-35-2BTB96	1 5/8	1	3 5/8	4,491	9,9	0,408	0,9
112	13,590	13,371	1610	TL-35-2BTB112	1 5/8	1	3 5/8	4,944	10,9	0,408	0,9



# NO 35-3 3/8" PITCH TRIPLE. TYPE B

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
13	1,750	TL-3S-3B13	1/2	11/16	1 7/64	1 3/4	0,227	0,50
14	1,870	TL-3S-3B14	1/2	7/8	1 1/4	1 3/4	0,281	0,62
15	1,990	TL-3S-3B15	1/2	15/16	1 13/32	1 3/4	0,354	0,78
16	2,110	TL-3S-3B16	1/2	15/16	1 15/32	1 3/4	0,372	0,82
17	2,230	TL-3S-3B17	1/2	1 1/16	1 19/32	1 3/4	0,472	1,04
18	2,350	TL-3S-3B18	1/2	1 3/16	1 23/32	1 3/4	0,553	1,22
19	2,470	TL-3S-3B19	1/2	1 5/16	1 7/8	1 3/4	0,635	1,40
20	2,590	TL-3S-3B20	3/4	1 5/16	1 15/16	1 7/8	0,680	1,50
21	2,710	TL-3S-3B21	3/4	1 3/8	2 1/16	1 7/8	0,780	1,72
22	2,830	TL-3S-3B22	3/4	1 7/16	2 3/16	1 7/8	0,889	1,96
23	2,950	TL-3S-3B23	3/4	1 1/2	2 1/4	1 7/8	0,962	2,12
24	3,070	TL-3S-3B24	3/4	1 1/2	2 1/4	1 7/8	1,025	2,26
25	3,190	TL-3S-3B25	3/4	1 1/2	2 1/4	1 7/8	1,098	2,42
26	3,310	TL-3S-3B26	3/4	1 1/2	2 1/2	1 7/8	1,261	2,78
30	3,790	TL-3S-3B30	3/4	1 3/4	2 1/2	1 7/8	1,551	3,42
36	4,510	TL-3S-3B36	3/4	1 3/4	2 1/2	1 7/8	2,051	4,52
42	5,230	TL-3S-3B42	3/4	1 3/4	2 1/2	1 7/8	2,667	5,88
48	5,950	TL-3S-3B48	3/4	1 3/4	2 1/2	1 7/8	3,366	7,42
52	6,430	TL-3S-3B52	3/4	1 3/4	2 1/2	1 7/8	3,865	8,52
60	7,380	TL-3S-3B60	3/4	1 3/4	2 1/2	1 7/8	5,089	11,22
68	8,340	TL-3S-3B68	3/4	2 3/8	3 1/2	1 7/8	6,976	15,38
72	8,810	TL-3S-3B72	3/4	2 3/8	3 1/2	1 7/8	7,865	17,34
76	9,290	TL-3S-3B76	3/4	2 3/8	3 1/2	1 7/8	8,573	18,90
84	10,250	TL-3S-3B84	3/4	2 3/8	3 1/2	1 7/8	10,351	22,82
95	11,560	TL-3S-3B95	1	2 1/2	3 3/4	2 1/8	13,299	29,32
96	11,680	TL-3S-3B96	1	2 1/2	3 3/4	2 1/8	13,635	30,06
102	12,400	TL-3S-3B102	1	2 1/2	3 3/4	2 1/8	15,132	33,36

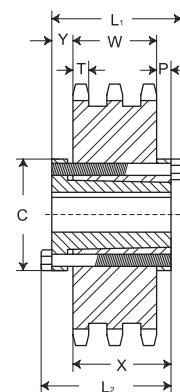


# NO 35-3 3/8" PITCH TRIPLE. TYPE QD

## Type QD

## Type C

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch			Max	L1	L2	C	Y	P	X	T	W	Kgs	Lbs	Kgs
68	8,340	8,120	TL-35-3SK68	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	6,305	13,90	5,398	11,90
72	8,810	8,597	TL-35-3SK72	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	7,058	15,56	6,151	13,56
76	9,290	9,074	TL-35-3SK76	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	7,902	17,42	6,994	15,42
84	10,250	10,029	TL-35-3SK84	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	9,489	20,92	8,582	18,92
95	11,560	11,342	TL-35-3SK95	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	12,138	26,76	11,231	24,76
96	11,680	11,461	TL-35-3SK96	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	12,510	27,58	11,603	25,58
102	12,400	12,177	TL-35-3SK102	2 5/8	2 1/8	2 1/8	3 7/8	5/8	19/64	1 1/4	0,162	0,960	14,143	31,18	13,236	29,18

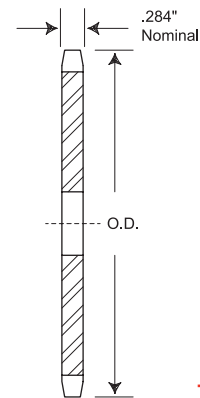
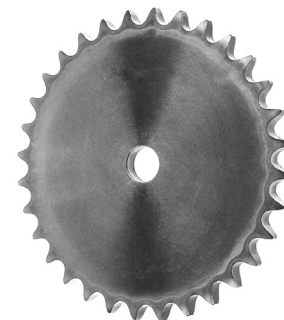


# NO 40 1/2" PITCH TYPE A & B

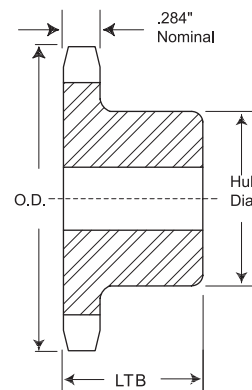
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
8	1,510					TL-40B8	1/2	1/2	63/64	7/8	0,082	0,18
9	1,670					TL-40B9	1/2	9/16	1 1/16	7/8	0,091	0,20
10	1,840					TL-40B10	1/2	3/4	1 1/4	7/8	0,122	0,27
11	2,000					TL-40B11	1/2	7/8	1 3/8	7/8	0,159	0,35
12	2,170	TL-40A12	1/2	0,082	0,18	TL-40B12	1/2	1	1 9/16	7/8	0,204	0,45
13	2,330	TL-40A13	1/2	0,100	0,22	TL-40B13	1/2	1 1/16	1 9/16	7/8	0,227	0,50
14	2,490	TL-40A14	1/2	0,118	0,26	TL-40B14	1/2	1 1/8	1 11/16	7/8	0,268	0,59
15	2,650	TL-40A15	5/8	0,136	0,30	TL-40B15	1/2	1 1/4	1 13/16	7/8	0,318	0,70
16	2,810	TL-40A16	5/8	0,154	0,34	TL-40B16	5/8	1 3/8	2	7/8	0,358	0,79
17	2,980	TL-40A17	5/8	0,163	0,36	TL-40B17	5/8	1 7/16	2 1/8	1	0,472	1,04
18	3,140	TL-40A18	5/8	0,200	0,44	TL-40B18	5/8	1 1/2	2 5/16	1	0,553	1,22
19	3,300	TL-40A19	5/8	0,209	0,46	TL-40B19	5/8	1 3/4	2 1/2	1	0,649	1,43
20	3,460	TL-40A20	5/8	0,254	0,56	TL-40B20	5/8	1 7/8	2 5/8	1	0,708	1,56
21	3,620	TL-40A21	5/8	0,263	0,58	TL-40B21	5/8	1 7/8	2 3/4	1	0,785	1,73
22	3,780	TL-40A22	5/8	0,299	0,66	TL-40B22	5/8	1 7/8	2 7/8	1	0,889	1,96
23	3,940	TL-40A23	5/8	0,327	0,72	TL-40B23	5/8	2	3	1	0,966	2,13
24	4,100	TL-40A24	5/8	0,372	0,82	TL-40B24	5/8	2 1/4	3 1/4	1	1,093	2,41
25	4,260	TL-40A25	5/8	0,399	0,88	TL-40B25	5/8	2 1/4	3 1/4	1	1,152	2,54
26	4,420	TL-40A26	5/8	0,426	0,94	TL-40B26	5/8	2 1/4	3 1/4	1	1,170	2,58
27	4,580	TL-40A27	5/8	0,445	0,98	TL-40B27	5/8	2 1/4	3 1/4	1	1,207	2,66
28	4,740	TL-40A28	5/8	0,499	1,10	TL-40B28	5/8	2 1/4	3 1/4	1	1,238	2,73
29	4,900	TL-40A29	19/32	0,553	1,22	TL-40B29	5/8	2 1/4	3 1/4	1	1,270	2,80
30	5,060	TL-40A30	19/32	0,572	1,26	TL-40B30	5/8	2 1/4	3 1/4	1	1,352	2,98
31	5,220	TL-40A31	19/32	0,635	1,40	TL-40B31	5/8	2 1/4	3 1/4	1	1,406	3,10
32	5,380	TL-40A32	19/32	0,671	1,48	TL-40B32	5/8	2 1/4	3 1/4	1	1,433	3,16
33	5,540	TL-40A33	19/32	0,708	1,56	TL-40B33	5/8	2 1/4	3 1/4	1	1,461	3,22
34	5,700	TL-40A34	19/32	0,744	1,64	TL-40B34	5/8	2 1/4	3 1/4	1	1,497	3,30
35	5,860	TL-40A35	19/32	0,771	1,70	TL-40B35	5/8	2 1/4	3 1/4	1	1,569	3,46
36	6,020	TL-40A36	19/32	0,835	1,84	TL-40B36	5/8	2 1/4	3 1/4	1	1,624	3,58
37	6,180	TL-40A37	19/32	0,871	1,92	TL-40B37	5/8	2 1/4	3 1/4	1	1,642	3,62
38	6,330	TL-40A38	19/32	0,907	2,00	TL-40B38	5/8	2 1/4	3 1/4	1	1,678	3,70
39	6,490	TL-40A39	19/32	0,916	2,02	TL-40B39	5/8	2 1/4	3 1/4	1	1,706	3,76
40	6,650	TL-40A40	23/32	1,007	2,22	TL-40B40	3/4	2 3/8	3 1/2	1 1/8	2,127	4,69
41	6,810	TL-40A41	23/32	1,089	2,40	TL-40B41	3/4	2 3/8	3 1/2	1 1/8	2,159	4,76
42	6,970	TL-40A42	23/32	1,143	2,52	TL-40B42	3/4	2 3/8	3 1/2	1 1/8	2,186	4,82
43	7,130	TL-40A43	23/32	1,197	2,64	TL-40B43	3/4	2 3/8	3 1/2	1 1/8	2,322	5,12
44	7,290	TL-40A44	23/32	1,275	2,81	TL-40B44	3/4	2 3/8	3 1/2	1 1/8	2,336	5,15
45	7,450	TL-40A45	23/32	1,315	2,90	TL-40B45	3/4	2 3/8	3 1/2	1 1/8	2,404	5,30
46	7,610	TL-40A46	23/32	1,374	3,03	TL-40B46	3/4	2 3/8	3 1/2	1 1/8	2,527	5,57
47	7,770	TL-40A47	23/32	1,438	3,17	TL-40B47	3/4	2 3/8	3 1/2	1 1/8	2,468	5,44
48	7,930	TL-40A48	23/32	1,501	3,31	TL-40B48	3/4	2 3/8	3 1/2	1 1/8	2,649	5,84
49	8,090	TL-40A49	23/32	1,565	3,45	TL-40B49	3/4	2 3/8	3 1/2	1 1/8	2,676	5,90
50	8,250	TL-40A50	23/32	1,674	3,69	TL-40B50	3/4	2 3/8	3 1/2	1 1/8	2,703	5,96
51	8,410	TL-40A51	23/32	1,701	3,75	TL-40B51	3/4	2 3/8	3 1/2	1 1/8	2,758	6,08
52	8,570	TL-40A52	23/32	1,769	3,90	TL-40B52	3/4	2 3/8	3 1/2	1 1/8	2,849	6,28
53	8,730	TL-40A53	23/32	1,837	4,05	TL-40B53	3/4	2 3/8	3 1/2	1 1/8	2,871	6,33
54	8,890	TL-40A54	23/32	2,014	4,44	TL-40B54	3/4	2 3/8	3 1/2	1 1/8	2,912	6,42
55	9,040	TL-40A55	23/32	2,059	4,54	TL-40B55	3/4	2 3/8	3 1/2	1 1/8	2,930	6,46
56	9,200	TL-40A56	23/32	2,195	4,84	TL-40B56	3/4	2 3/8	3 1/2	1 1/8	3,125	6,89
57	9,360	TL-40A57	23/32	2,268	5,00	TL-40B57	3/4	2 3/8	3 1/2	1 1/8	3,184	7,02
58	9,520	TL-40A58	23/32	2,322	5,12	TL-40B58	3/4	2 3/8	3 1/2	1 1/8	3,338	7,36
59	9,680	TL-40A59	23/32	2,404	5,30	TL-40B59	3/4	2 3/8	3 1/2	1 1/8	3,379	7,45
60	9,840	TL-40A60	23/32	2,486	5,48	TL-40B60	3/4	2 3/8	3 1/2	1 1/8	3,565	7,86



Type A



Type B

NEXT >



**Type A**

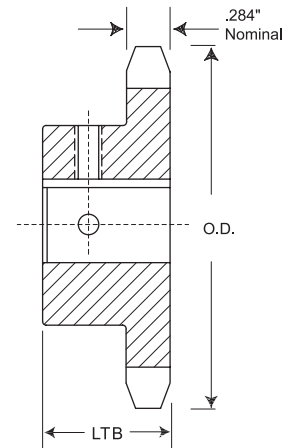
**Type B**

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
70	11,430	TL-40A70	23/32	3,284	7,24	TL-40B70	3/4	2 3/4	4	1 1/4	4,990	11,00
72	11,750	TL-40A72	23/32	3,511	7,74	TL-40B72	3/4	2 3/4	4	1 1/4	5,216	11,50
80	13,030	TL-40A80	23/32	4,627	10,20	TL-40B80	3/4	2 3/4	4	1 1/4	6,078	13,40
84	13,660	TL-40A84	23/32	4,568	10,07	TL-40B84	3/4	2 3/4	4	1 1/4	6,368	14,04
96	15,570	TL-40A96	15/16	5,511	12,15	TL-40B96	1	2 3/4	4	1 1/4	7,965	17,56
112	18,120	TL-40A112	15/16	9,072	20,00	TL-40B112	1	2 3/4	4	1 1/4	10,233	22,56

**NO 40 1/2" PITCH  
TYPE BS**

**Type BS**

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT		STOCK FINISHED BORES INCLUDES KEYWAY AND 2 SETSCREWS
				Kgs	Lbs	
9	1,670	TL-40BS9	7/8	0,073	0,16	1/2 -
10	1,840	TL-40BS10	7/8	0,109	0,24	1/2 - 3/4
11	2,000	TL-40BS11	7/8	0,127	0,28	1/2 - 5/8 - 3/4 - 7/8
12	2,170	TL-40BS12	7/8	0,154	0,34	1/2 - 5/8 - 3/4 - 7/8 - 1
13	2,330	TL-40BS13	7/8	0,204	0,45	1/2 - 5/8 - 3/4 - 7/8 - 1
14	2,490	TL-40BS14	7/8	0,231	0,51	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1 1/8 1 3/16
15	2,650	TL-40BS15	7/8	0,240	0,53	1/2 - 5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4
16	2,810	TL-40BS16	7/8	0,299	0,66	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4
17	2,970	TL-40BS17	1	0,399	0,88	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4
18	3,140	TL-40BS18	1	0,467	1,03	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
19	3,300	TL-40BS19	1	0,531	1,17	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
20	3,460	TL-40BS20	1	0,603	1,33	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
21	3,620	TL-40BS21	1	0,694	1,53	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
22	3,780	TL-40BS22	1	0,753	1,66	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
23	3,940	TL-40BS23	1	0,871	1,92	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
24	4,100	TL-40BS24	1	0,953	2,10	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2
25	4,260	TL-40BS25	1	1,007	2,22	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
26	4,420	TL-40BS26	1	1,061	2,34	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
27	4,580	TL-40BS27	1	1,098	2,42	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
28	4,740	TL-40BS28	1	1,134	2,50	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
29	4,900	TL-40BS29	1	1,179	2,60	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
30	5,060	TL-40BS30	1	1,225	2,70	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
31	5,220	TL-40BS31	1	1,306	2,88	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
32	5,380	TL-40BS32	1	1,361	3,00	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
33	5,540	TL-40BS33	1	1,374	3,03	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
34	5,700	TL-40BS34	1	1,411	3,11	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
35	5,860	TL-40BS35	1	1,451	3,20	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
36	6,020	TL-40BS36	1	1,538	3,39	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
37	6,170	TL-40BS37	1	1,565	3,45	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
38	6,330	TL-40BS38	1	1,588	3,50	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
39	6,490	TL-40BS39	1	1,814	4,00	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
40	6,650	TL-40BS40	1 1/8	1,941	4,28	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2



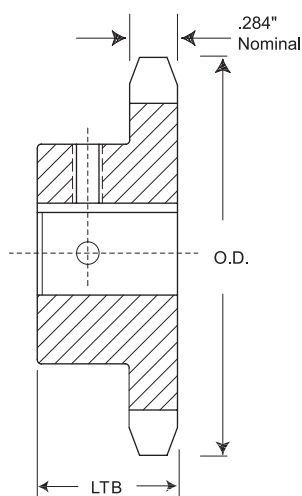
NEXT >



# NO 40 1/2" PITCH TYPE BS

## Type BS

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT		STOCK FINISHED BORES INCLUDES KEYWAY AND 2 SETSCREWS
				Kgs	Lbs	
41	6,810	TL-40BS41	1 1/8	2,077	4,58	5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
42	6,970	TL-40BS42	1 1/8	2,105	4,64	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
43	7,130	TL-40BS43	1 1/8	2,177	4,80	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
44	7,290	TL-40BS44	1 1/8	2,250	4,96	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
45	7,450	TL-40BS45	1 1/8	2,295	5,06	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
46	7,610	TL-40BS46	1 1/8	2,354	5,19	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
47	7,770	TL-40BS47	1 1/8	2,386	5,26	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
48	7,930	TL-40BS48	1 1/8	2,567	5,66	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
49	8,090	TL-40BS49	1 1/8	2,595	5,72	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
50	8,250	TL-40BS50	1 1/8	2,622	5,78	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
51	8,410	TL-40BS51	1 1/8	2,676	5,90	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
52	8,570	TL-40BS52	1 1/8	2,694	5,94	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
53	8,730	TL-40BS53	1 1/8	2,776	6,12	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
54	8,880	TL-40BS54	1 1/8	2,830	6,24	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
55	9,040	TL-40BS55	1 1/8	3,021	6,66	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
56	9,200	TL-40BS56	1 1/8	3,044	6,71	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
57	9,360	TL-40BS57	1 1/8	3,148	6,94	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
58	9,520	TL-40BS58	1 1/8	3,252	7,17	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
59	9,680	TL-40BS59	1 1/8	3,348	7,38	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
60	9,840	TL-40BS60	1 1/8	3,484	7,68	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
70	11,430	TL-40BS70	1 1/4	4,899	10,80	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
72	11,750	TL-40BS72	1 1/4	5,126	11,30	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
80	13,030	TL-40BS80	1 1/4	5,987	13,20	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
84	13,660	TL-40BS84	1 1/4	6,278	13,84	- 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
96	15,570	TL-40BS96	1 1/4	7,911	17,44	- 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2
112	18,120	TL-40BS112	1 1/4	10,183	22,45	- 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2

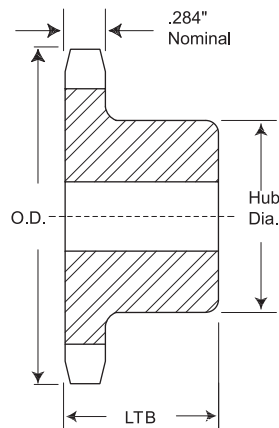


# NO 40 1/2" PITCH STAINLESS STEEL

## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
10	1,840					TL-40BSS10	1/2	3/4	1 1/4	7/8	0,127	0,28
11	2,000					TL-40BSS11	1/2	13/16	1 3/8	7/8	0,163	0,36
12	2,170					TL-40BSS12	1/2	15/16	1 9/16	7/8	0,200	0,44
13	2,33	TL-40ASS13	1/2	0,100	0,22	TL-40BSS13	1/2	1 1/16	1 9/16	7/8	0,227	0,50
14	2,490	TL-40ASS14	1/2	0,118	0,26	TL-40BSS14	1/2	1 1/8	1 11/16	7/8	0,272	0,60
15	2,650	TL-40ASS15	5/8	0,136	0,30	TL-40BSS15	1/2	1 1/4	1 13/16	7/8	0,308	0,68
16	2,810	TL-40ASS16	5/8	0,154	0,34	TL-40BSS16	5/8	1 3/8	2	7/8	0,372	0,82
17	2,980	TL-40ASS17	5/8	0,163	0,36	TL-40BSS17	5/8	1 7/16	2 1/8	1	0,481	1,06
18	3,140	TL-40ASS18	5/8	0,200	0,44	TL-40BSS18	5/8	1 1/2	2 5/16	1	0,562	1,24
19	3,300	TL-40ASS19	5/8	0,209	0,46	TL-40BSS19	5/8	1 3/4	2 1/2	1	0,644	1,42
20	3,460	TL-40ASS20	5/8	0,254	0,56	TL-40BSS20	5/8	1 7/8	2 5/8	1	0,726	1,60
21	3,620	TL-40ASS21	5/8	0,263	0,58	TL-40BSS21	5/8	1 7/8	2 3/4	1	0,762	1,68
22	3,780	TL-40ASS22	5/8	0,299	0,66	TL-40BSS22	5/8	1 7/8	2 7/8	1	0,821	1,81
23	3,940	TL-40ASS23	5/8	0,327	0,72	TL-40BSS23	5/8	2	3	1	0,989	2,14
24	4,100	TL-40ASS24	5/8	0,372	0,82	TL-40BSS24	5/8	2 1/4	3 1/4	1	0,998	2,46
25	4,260	TL-40ASS25	5/8	0,399	0,88	TL-40BSS25	5/8	2 1/4	3 1/4	1	0,835	2,55
26	4,420	TL-40ASS26	19/32	0,594	1,31	TL-40BSS26	5/8	2 1/4	3 1/4	1	1,089	2,62
28	4,740	TL-40ASS28	19/32	0,612	1,35	TL-40BSS28	5/8	2 1/4	3 1/4	1	1,247	2,75
30	5,060	TL-40ASS30	19/32	0,630	1,39	TL-40BSS30	5/8	2 1/4	3 1/4	1	1,306	2,88
35	5,860	TL-40ASS35	19/32	0,871	1,92	TL-40BSS35	5/8	2 1/4	3 1/4	1	1,506	3,32
36	6,015	TL-40ASS36	19/32	0,835	1,84	TL-40BSS36	5/8	2 1/4	3 1/4	1	1,624	3,58
40	6,650	TL-40ASS40	23/32	1,070	2,36	TL-40BSS40	3/4	2 3/8	3 1/2	1	1,941	4,28
45	7,450	TL-40ASS45	23/32	1,420	3,13	TL-40BSS45	3/4	2 3/8	3 1/2	1	2,123	4,68
48	7,928	TL-40ASS48	23/32	1,461	3,22	TL-40BSS48	3/4	2 3/8	3 1/2	1	2,649	5,84
54	8,884	TL-40ASS54	23/32	2,014	4,44	TL-40BSS54	3/4	2 3/8	3 1/2	1	2,912	6,42
60	9,840	TL-40ASS60	23/32	2,495	5,50	TL-40BSS60	3/4	2 3/8	3 1/2	1	3,175	7,00



Type B

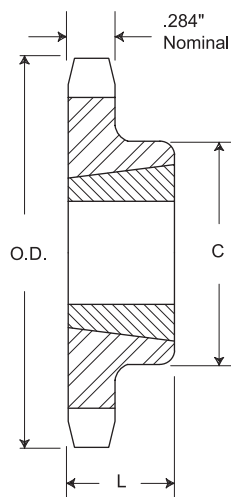


# NO 40 1/2" PITCH TYPE TAPER BUSH

## Taper Bushed

## Type B

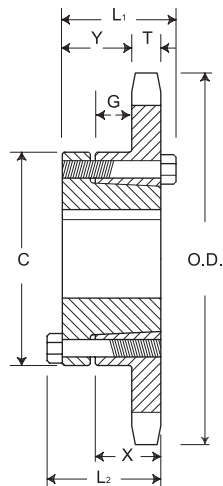
NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
14	2,491	2,247	1008	TL-40BTB14	1	7/8	1 13/16	0,136	0,3	0,136	0,3
15	2,652	2,405	1008	TL-40BTB15	1	7/8	1 13/16	0,181	0,4	0,136	0,3
16	2,814	2,563	1008	TL-40BTB16	1	7/8	1 15/16	0,227	0,5	0,136	0,3
17	2,975	2,721	1210	TL-40BTB17	1 1/4	1	2 3/8	0,227	0,5	0,136	0,3
18	3,135	2,879	1210	TL-40BTB18	1 1/4	1	2 15/32	0,272	0,6	0,272	0,6
19	3,296	3,038	1210	TL-40BTB19	1 1/4	1	2 15/32	0,318	0,7	0,272	0,6
20	3,457	3,196	1610	TL-40BTB20	1 5/8	1	2 25/32	0,318	0,7	0,408	0,9
21	3,617	3,355	1610	TL-40BTB21	1 5/8	1	2 25/32	0,363	0,8	0,408	0,9
22	3,778	3,513	1610	TL-40BTB22	1 5/8	1	2 25/32	0,408	0,9	0,408	0,9
23	3,938	3,672	1610	TL-40BTB23	1 5/8	1	3 3/32	0,454	1,0	0,408	0,9
24	4,098	3,831	1610	TL-40BTB24	1 5/8	1	3 1/4	0,635	1,4	0,408	0,9
25	4,258	3,989	1610	TL-40BTB25	1 5/8	1	3 13/32	0,680	1,5	0,408	0,9
26	4,418	4,148	1610	TL-40BTB26	1 5/8	1	3 1/2	0,771	1,7	0,408	0,9
28	4,738	4,466	1610	TL-40BTB28	1 5/8	1	3 1/2	0,816	1,8	0,408	0,9
30	5,057	4,783	1610	TL-40BTB30	1 5/8	1	3 1/2	0,862	1,9	0,408	0,9
32	5,377	5,101	1610	TL-40BTB32	1 5/8	1	3 1/2	0,862	1,9	0,408	0,9
35	5,855	5,578	1610	TL-40BTB35	1 5/8	1	3 1/2	1,043	2,3	0,408	0,9
36	6,015	5,737	1610	TL-40BTB36	1 5/8	1	3	1,089	2,4	0,408	0,9
40	6,653	6,373	1610	TL-40BTB40	1 5/8	1	3	1,270	2,8	0,408	0,9
42	6,972	6,691	1610	TL-40BTB42	1 5/8	1	3	1,315	2,9	0,408	0,9
45	7,451	7,168	1610	TL-40BTB45	1 5/8	1	3	1,588	3,5	0,408	0,9
48	7,928	7,645	1610	TL-40BTB48	1 5/8	1	3	1,814	4,0	0,408	0,9
54	8,885	8,599	1610	TL-40BTB54	1 5/8	1	3	2,223	4,9	0,408	0,9
60	9,841	9,554	1610	TL-40BTB60	1 5/8	1	3	2,722	6,0	0,408	0,9
70	11,434	11,145	2012	TL-40BTB70	2	1 1/4	3 9/16	3,719	8,2	0,771	1,7
72	11,752	11,463	2012	TL-40BTB72	2	1 1/4	3 9/16	4,082	9,0	0,771	1,7
80	13,026	12,736	2012	TL-40BTB80	2	1 1/4	3 9/16	4,899	10,8	0,771	1,7
84	13,663	13,372	2012	TL-40BTB84	2	1 1/4	3 9/16	5,126	11,3	0,771	1,7
96	15,573	15,282	2012	TL-40BTB96	2	1 1/4	3 9/16	6,622	14,6	0,771	1,7
112	18,122	17,828	2517	TL-40BTB112	2 1/2	1 3/4	4 1/4	9,299	20,5	0,771	1,7



# NO 40 1/2" PITCH TYPE QD

## Type QD

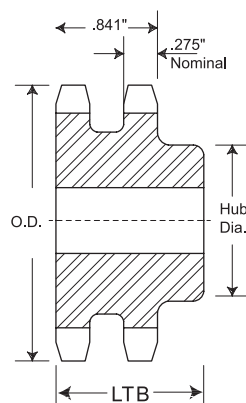
NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS							WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	G	X	T	Kgs	Lbs	Kgs
15	2,650	2,405	JA	TL-40JA15	1 1/4	1 1/8	1 1/8	2 1/16	23/32	11/32	5/8	0,284	0,562	1,24	0,154	0,34
16	2,810	2,563	JA	TL-40JA16	1 1/4	1 1/8	1 1/8	2 1/16	23/32	11/32	5/8	0,284	0,590	1,30	0,181	0,40
17	2,980	2,721	JA	TL-40JA17	1 1/4	1 1/8	1 1/8	2 1/16	23/32	11/32	5/8	0,284	0,626	1,38	0,218	0,48
18	3,140	2,879	JA	TL-40JA18	1 1/4	1 1/8	1 1/8	2 1/16	23/32	11/32	5/8	0,284	0,653	1,44	0,245	0,54
19	3,300	3,038	JA	TL-40JA19	1 1/4	1 1/8	1 1/8	2 1/16	23/32	11/32	5/8	0,284	0,680	1,50	0,272	0,60
20	3,460	3,196	SH	TL-40SH20	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	0,798	1,76	0,345	0,76
21	3,620	3,355	SH	TL-40SH21	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	0,835	1,84	0,381	0,84
22	3,780	3,513	SH	TL-40SH22	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	0,871	1,92	0,417	0,92
23	3,940	3,672	SH	TL-40SH23	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	0,971	2,14	0,517	1,14
24	4,100	3,831	SH	TL-40SH24	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,007	2,22	0,553	1,22
25	4,260	3,989	SH	TL-40SH25	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,043	2,30	0,590	1,30
26	4,420	4,148	SH	TL-40SH26	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,107	2,44	0,653	1,44
27	4,580	4,307	SH	TL-40SH27	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,116	2,46	0,662	1,46
28	4,740	4,466	SH	TL-40SH28	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,152	2,54	0,699	1,54
30	5,060	4,783	SH	TL-40SH30	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,234	2,72	0,780	1,72
32	5,380	5,101	SH	TL-40SH32	1 5/8	1 7/16	1 7/16	2 11/16	31/32	17/32	13/16	0,284	1,315	2,90	0,862	1,90
35	5,860	5,578	SH	TL-40SH35	1 5/8	1 7/16	1 7/16	3	31/32	17/32	13/16	0,284	1,461	3,22	1,007	2,22
36	6,020	5,737	SDS	TL-40SDS36	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	1,451	3,20	0,998	2,20
40	6,650	6,373	SDS	TL-40SDS40	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	1,687	3,72	1,234	2,72
42	6,970	6,691	SDS	TL-40SDS42	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	1,778	3,92	1,324	2,92
45	7,450	7,168	SDS	TL-40SDS45	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	1,960	4,32	1,506	3,32
48	7,930	7,645	SDS	TL-40SDS48	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	2,132	4,70	1,678	3,70
54	8,890	8,599	SDS	TL-40SDS54	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	2,622	5,78	2,168	4,78
60	9,840	9,554	SDS	TL-40SDS60	2	1 1/2	1 1/2	3 3/16	1 1/32	15/32	3/4	0,284	3,112	6,86	2,658	5,86
70	11,430	11,145	SK	TL-40SK70	2 5/8	2 1/8	2 1/8	3 7/8	1 19/32	31/32	1 1/4	0,284	4,844	10,68	3,937	8,68
72	11,750	11,463	SK	TL-40SK72	2 5/8	2 1/8	2 1/8	3 7/8	1 19/32	31/32	1 1/4	0,284	4,917	10,84	4,010	8,84
80	13,030	12,736	SK	TL-40SK80	2 5/8	2 1/8	2 1/8	3 7/8	1 19/32	31/32	1 1/4	0,284	5,987	13,20	5,080	11,20
84	13,660	13,372	SK	TL-40SK84	2 5/8	2 1/8	2 1/8	3 7/8	1 19/32	31/32	1 1/4	0,284	6,151	13,56	5,244	11,56
96	15,570	15,282	SK	TL-40SK96	2 5/8	2 1/8	2 1/8	3 7/8	1 19/32	31/32	1 1/4	0,284	8,056	17,76	7,149	15,76
112	18,120	17,828	SK	TL-40SK112	2 5/8	2 1/8	2 1/8	3 7/8	1 19/32	31/32	1 1/4	0,284	10,106	22,28	9,199	20,28



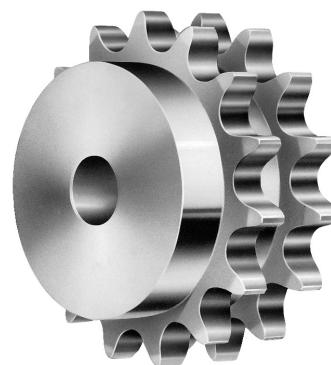
# NO 40-2 1/2" PITCH DOUBLE. TYPE B

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
11	2,000	TL-40-2B11	1/2	3/4	1 7/16	1 1/2	0,281	0,62
12	2,170	TL-40-2B12	1/2	15/16	1 9/16	1 1/2	0,345	0,76
13	2,330	TL-40-2B13	1/2	1	1 1/2	1 1/2	0,390	0,86
14	2,490	TL-40-2B14	1/2	1 1/8	1 11/16	1 1/2	0,490	1,08
15	2,650	TL-40-2B15	1/2	1 1/4	1 13/16	1 1/2	0,562	1,24
16	2,810	TL-40-2B16	5/8	1 3/8	2	1 1/2	0,644	1,42
17	2,980	TL-40-2B17	5/8	1 7/16	2 1/8	1 1/2	0,744	1,64
18	3,140	TL-40-2B18	5/8	1 1/2	2 5/16	1 1/2	0,871	1,92
19	3,300	TL-40-2B19	5/8	1 3/4	2 1/2	1 1/2	1,007	2,22
20	3,460	TL-40-2B20	5/8	1 7/8	2 5/8	1 5/8	1,197	2,64
21	3,620	TL-40-2B21	5/8	1 7/8	2 3/4	1 5/8	1,334	2,94
22	3,780	TL-40-2B22	5/8	1 7/8	2 7/8	1 5/8	1,442	3,18
23	3,940	TL-40-2B23	5/8	2	3	1 5/8	1,597	3,52
24	4,100	TL-40-2B24	5/8	2 1/4	3 1/4	1 5/8	1,833	4,04
25	4,260	TL-40-2B25	5/8	2 1/4	3 1/4	1 5/8	1,932	4,26
26	4,420	TL-40-2B26	5/8	2 1/4	3 1/4	1 5/8	2,032	4,48
30	5,060	TL-40-2B30	7/8	2 1/4	3 1/4	1 5/8	2,422	5,34
35	5,860	TL-40-2B35	7/8	2 1/4	3 1/4	1 5/8	3,084	6,80
36	6,020	TL-40-2B36	15/16	2 1/2	3 3/4	1 5/8	3,266	7,20
40	6,650	TL-40-2B40	15/16	2 1/2	3 3/4	1 3/4	4,264	9,40
42	6,970	TL-40-2B42	15/16	2 1/2	3 3/4	1 3/4	4,627	10,20
45	7,450	TL-40-2B45	15/16	2 1/2	3 3/4	1 3/4	5,153	11,36
48	7,930	TL-40-2B48	15/16	2 1/2	3 3/4	1 3/4	5,742	12,66
52	8,570	TL-40-2B52	15/16	2 1/2	3 3/4	1 3/4	6,559	14,46
54	8,890	TL-40-2B54	15/16	2 1/2	3 3/4	1 3/4	7,022	15,48
60	9,840	TL-40-2B60	15/16	2 1/2	3 3/4	1 3/4	8,437	18,60
68	11,120	TL-40-2B68	1 3/16	2 3/4	4 1/4	2 1/8	11,322	24,96
72	11,750	TL-40-2B72	1 3/16	2 3/4	4 1/4	2 1/8	12,646	27,88
76	12,390	TL-40-2B76	1 3/16	2 3/4	4 1/4	2 1/8	13,689	30,18
84	13,660	TL-40-2B84	1 3/16	2 3/4	4 1/4	2 1/8	16,438	36,24
95	15,410	TL-40-2B95	1 3/16	2 3/4	4 1/4	2 1/8	17,618	38,84
96	15,570	TL-40-2B96	1 3/16	2 3/4	4 1/4	2 1/8	17,917	39,50
102	16,530	TL-40-2B102	1 3/16	2 3/4	4 1/4	2 1/8	19,377	42,72
112	18,120	TL-40-2B112	1 3/16	2 3/4	4 1/4	2 1/8	25,193	55,54



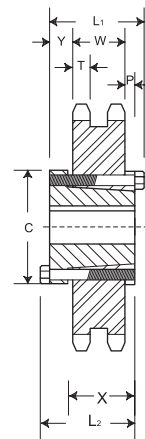
Type B



# NO 40-2 1/2" PITCH DOUBLE. TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	P	X	T	W	Kgs	Lbs	Kgs
36	6,020	5,737	SK	TL-40-2SK36	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	3,030	6,68	2,123	4,68
40	6,650	6,373	SK	TL-40-2SK40	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	3,638	8,02	2,731	6,02
42	6,970	6,691	SK	TL-40-2SK42	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	4,001	8,82	3,093	6,82
45	7,450	7,168	SK	TL-40-2SK45	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	4,527	9,98	3,620	7,98
48	7,930	7,645	SK	TL-40-2SK48	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	5,089	11,22	4,182	9,22
52	8,570	8,281	SK	TL-40-2SK52	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	5,915	13,04	5,008	11,04
54	8,890	8,599	SK	TL-40-2SK54	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	6,378	14,06	5,470	12,06
60	9,840	9,554	SK	TL-40-2SK60	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/32	1 1/4	0,275	0,841	7,702	16,98	6,795	14,98
68	11,180	10,826	SF	TL-40-2SF68	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	10,306	22,72	8,945	19,72
72	11,750	11,463	SF	TL-40-2SF72	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	10,977	24,20	10,070	22,20
76	12,390	12,099	SF	TL-40-2SF76	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	12,791	28,20	11,431	25,20
84	13,660	13,372	SF	TL-40-2SF84	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	15,259	33,64	13,898	30,64
95	15,410	15,122	SF	TL-40-2SF95	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	18,243	40,22	16,883	37,22
102	16,530	16,236	SF	TL-40-2SF102	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	19,368	42,70	18,008	39,70
112	18,120	17,828	SF	TL-40-2SF112	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/32	1 1/4	2,75	0,841	23,859	52,60	22,498	49,60



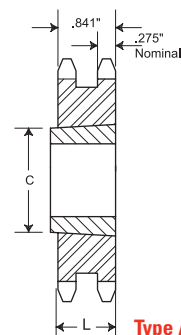
Type C

# NO 40-2 1/2" PITCH DOUBLE. TYPE TAPER BUSH

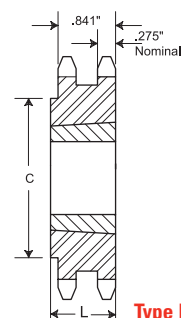
## Type Bushed

## Type A, B, C

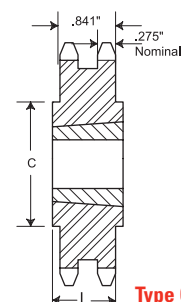
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs
15	2,652	2,405	1008	A	TL-40-2ATB15	1	7/8	1 17/64	0,227	0,5	0,136	0,3	
16	2,814	2,563	1008	A	TL-40-2ATB16	1	7/8	1 17/64	0,272	0,6	0,136	0,3	
17	2,975	2,721	1008	A	TL-40-2ATB17	1	7/8	1 17/64	0,318	0,7	0,136	0,3	
18	3,135	2,879	1210	B	TL-40-2BTB18	1 1/4	1	2 5/16	0,318	0,7	0,272	0,6	
19	3,296	3,038	1210	B	TL-40-2BTB19	1 1/4	1	2 1/2	0,408	0,9	0,272	0,6	
20	3,457	3,196	1610	B	TL-40-2BTB20	1 5/8	1	2 5/8	0,408	0,9	0,408	0,9	
21	3,617	3,355	1610	B	TL-40-2BTB21	1 5/8	1	2 3/4	0,454	1,0	0,408	0,9	
23	3,938	3,672	1610	B	TL-40-2BTB23	1 5/8	1	3	0,590	1,3	0,408	0,9	
25	4,258	3,989	2012	B	TL-40-2BTB25	2	1 1/4	3 13/32	0,726	1,6	0,771	1,7	
30	5,057	4,783	2012	B	TL-40-2BTB30	2	1 1/4	4 15/64	1,542	3,4	0,771	1,7	
36	6,015	5,737	2012	B	TL-40-2BTB36	2	1 1/4	5 5/32	2,676	5,9	0,771	1,7	
42	6,972	6,691	2517	C	TL-40-2CTB42	2 1/2	1 3/4	4 1/4	3,175	7,0	1,588	3,5	
48	7,928	7,645	2517	C	TL-40-2CTB48	2 1/2	1 3/4	4 1/4	4,354	9,6	1,588	3,5	
52	8,566	8,281	2517	C	TL-40-2CTB52	2 1/2	1 3/4	4 1/4	5,171	11,4	1,588	3,5	
60	9,841	9,554	2517	C	TL-40-2CTB60	2 1/2	1 3/4	4 1/4	6,985	15,4	1,588	3,5	
68	11,115	10,826	2517	C	TL-40-2CTB68	2 1/2	1 3/4	4 1/4	9,299	20,5	1,588	3,5	
76	12,389	12,099	2517	C	TL-40-2CTB76	2 1/2	1 3/4	4 1/4	11,657	25,7	1,588	3,5	
84	13,663	13,372	2517	C	TL-40-2CTB84	2 1/2	1 3/4	4 1/4	14,334	31,6	1,588	3,5	
95	15,414	15,122	2517	C	TL-40-2CTB95	2 1/2	1 3/4	4 1/4	15,467	34,1	1,588	3,5	
102	16,529	16,236	2517	C	TL-40-2CTB102	2 1/2	1 3/4	4 1/4	16,692	36,8	1,588	3,5	



Type A

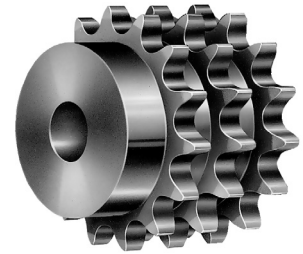


Type B



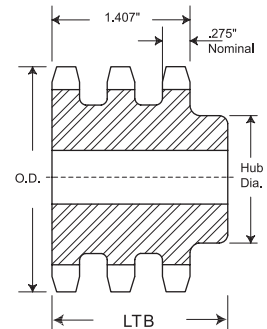
Type C

# NO 40-3 1/2" PITCH TRIPLE. TYPE B



## Type B

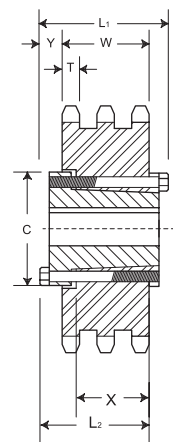
NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
11	2,000	TL-40-3B11	1/2	3/4	1 7/16	2 1/8	0,363	0,80
12	2,170	TL-40-3B12	1/2	15/16	1 9/16	2 1/8	0,499	1,10
13	2,330	TL-40-3B13	1/2	1	1 1/2	2 1/8	0,562	1,24
14	2,490	TL-40-3B14	1/2	1 1/8	1 11/16	2 1/8	0,680	1,50
15	2,650	TL-40-3B15	1/2	1 1/4	1 13/16	2 1/8	0,798	1,76
16	2,810	TL-40-3B16	5/8	1 3/8	2	2 1/8	0,925	2,04
17	2,980	TL-40-3B17	5/8	1 7/16	2 1/8	2 1/8	1,061	2,34
18	3,140	TL-40-3B18	5/8	1 1/2	2 5/16	2 1/8	1,234	2,72
19	3,300	TL-40-3B19	5/8	1 3/4	2 1/2	2 1/8	1,406	3,10
20	3,460	TL-40-3B20	5/8	1 7/8	2 5/8	2 1/4	1,687	3,72
21	3,620	TL-40-3B21	5/8	1 7/8	2 3/4	2 1/4	1,842	4,06
22	3,780	TL-40-3B22	5/8	1 7/8	2 7/8	2 1/4	2,050	4,52
23	3,940	TL-40-3B23	5/8	2	3	2 1/4	2,250	4,96
24	4,100	TL-40-3B24	5/8	2 1/4	3 1/4	2 1/4	2,558	5,64
25	4,260	TL-40-3B25	5/8	2 1/4	3 1/4	2 1/4	2,731	6,02
26	4,420	TL-40-3B26	5/8	2 1/4	3 1/4	2 1/4	2,885	6,36
30	5,060	TL-40-3B30	7/8	2 1/4	3 1/4	2 1/4	3,556	7,84
35	5,860	TL-40-3B35	7/8	2 1/4	3 1/4	2 1/4	4,672	10,30
36	6,020	TL-40-3B36	15/16	2 1/2	3 3/4	2 3/8	5,316	11,72
42	6,970	TL-40-3B42	15/16	2 1/2	3 3/4	2 3/8	6,967	15,36
48	7,930	TL-40-3B48	15/16	2 1/2	3 3/4	2 3/8	8,782	19,36
52	8,570	TL-40-3B52	15/16	2 1/2	3 3/4	2 3/8	10,179	22,44
60	9,840	TL-40-3B60	15/16	2 1/2	3 3/4	2 3/8	13,617	30,02
68	11,120	TL-40-3B68	1 3/16	2 3/4	4	2 5/8	17,436	38,44
72	11,750	TL-40-3B72	1 3/16	2 3/4	4	2 5/8	19,260	42,46
76	12,390	TL-40-3B76	1 3/16	2 3/4	4	2 5/8	21,273	46,90
84	13,660	TL-40-3B84	1 3/16	2 3/4	4 1/4	2 3/4	25,991	57,30
95	15,410	TL-40-3B95	1 3/16	2 3/4	4 1/4	2 3/4	28,204	62,18
102	16,530	TL-40-3B102	1 3/16	2 3/4	4 1/4	2 3/4	31,026	68,40



# NO 40-3 1/2" PITCH TRIPLE. TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS						WEIGHT WITH HUB		WEIGHT RIM		
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	X	T	W	Kgs	Lbs	Kgs
36	6,020	5,737	SK	TL-40-3SK36	2 5/8	2 1/8	2 1/8	3 7/8	15/32	1 1/4	0,275	1,407	3,701	8,16	2,794	6,16
42	6,970	6,691	SK	TL-40-3SK42	2 5/8	2 1/8	2 1/8	3 7/8	15/32	1 1/4	0,275	1,407	5,407	11,92	4,318	9,52
48	7,930	7,645	SK	TL-40-3SK48	2 5/8	2 1/8	2 1/8	3 7/8	15/32	1 1/4	0,275	1,407	6,863	15,13	5,969	13,16
52	8,570	8,281	SK	TL-40-3SK52	2 5/8	2 1/8	2 1/8	3 7/8	15/32	1 1/4	0,275	1,407	8,201	18,08	7,294	16,08
60	9,840	9,554	SK	TL-40-3SK60	2 5/8	2 1/8	2 1/8	3 7/8	15/32	1 1/4	0,275	1,407	11,158	24,60	10,251	22,60
68	11,120	10,826	SF	TL-40-3SF68	2 15/16	2 1/4	2 1/4	4 5/8	19/32	1 1/4	0,275	1,407	14,506	31,98	13,599	29,98
72	11,750	11,463	SF	TL-40-3SF72	2 15/16	2 1/4	2 1/4	4 5/8	19/32	1 1/4	0,275	1,407	16,964	37,40	15,604	34,40
76	12,390	12,099	SF	TL-40-3SF76	2 15/16	2 1/4	2 1/4	4 5/8	19/32	1 1/4	0,275	1,407	23,551	51,92	22,190	48,92
84	13,660	13,372	SF	TL-40-3SF84	2 15/16	2 1/4	2 1/4	4 5/8	19/32	1 1/4	0,275	1,407	25,719	56,70	24,394	53,78
95	15,410	15,122	SF	TL-40-3SF95	2 15/16	2 1/4	2 1/4	4 5/8	19/32	1 1/4	0,275	1,407	26,735	58,94	25,374	55,94
102	16,530	16,236	SF	TL-40-3SF102	2 15/16	2 1/4	2 1/4	4 5/8	19/32	1 1/4	0,275	1,407	28,232	62,24	26,871	59,24



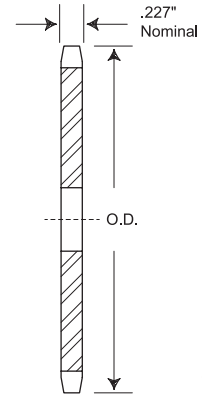
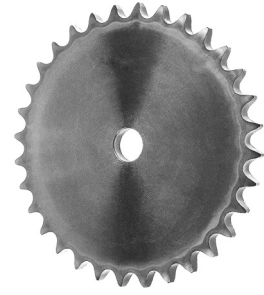


# NO 41 1/2" PITCH TYPE A & B

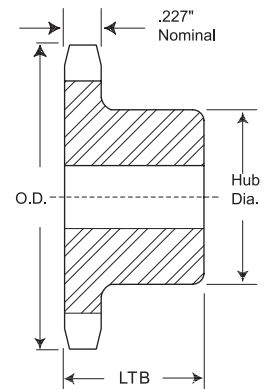
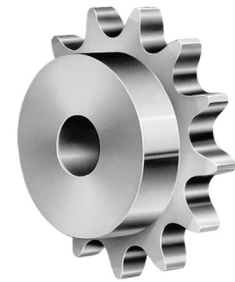
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
6	1,170					TL-41B6	3/8	3/8	21/32	7/8	0,032	0,07
7	1,340					TL-41B7	3/8	3/8	3/4	7/8	0,045	0,10
8	1,510					TL-41B8	1/2	1/2	63/64	7/8	0,086	0,19
9	1,670					TL-41B9	1/2	5/8	1 1/8	7/8	0,091	0,20
10	1,840					TL-41B10	1/2	3/4	1 1/4	7/8	0,122	0,27
11	2,000					TL-41B11	1/2	7/8	1 7/16	7/8	0,159	0,35
12	2,170					TL-41B12	1/2	15/16	1 9/16	7/8	0,200	0,44
13	2,330					TL-41B13	1/2	1	1 9/16	7/8	0,227	0,50
14	2,490					TL-41B14	1/2	1 1/4	1 3/4	7/8	0,259	0,57
15	2,650	TL-41A15	5/8	0,127	0,28	TL-41B15	1/2	1 5/16	1 29/32	7/8	0,327	0,72
16	2,810	TL-41A16	5/8	0,154	0,34	TL-41B16	5/8	1 3/8	2 1/16	7/8	0,413	0,91
17	2,970	TL-41A17	5/8	0,163	0,36	TL-41B17	5/8	1 1/2	2 15/64	1	0,494	1,09
18	3,140	TL-41A18	5/8	0,200	0,44	TL-41B18	5/8	1 5/8	2 3/8	1	0,567	1,25
19	3,300	TL-41A19	5/8	0,209	0,46	TL-41B19	5/8	1 3/4	2 15/32	1	0,676	1,49
20	3,460	TL-41A20	5/8	0,236	0,52	TL-41B20	5/8	1 7/8	2 3/4	1	0,744	1,64
21	3,620	TL-41A21	5/8	0,272	0,60	TL-41B21	5/8	1 7/8	2 7/8	1	0,821	1,81
22	3,780	TL-41A22	5/8	0,299	0,66	TL-41B22	5/8	2	3	1	0,875	1,93
23	3,940	TL-41A23	5/8	0,327	0,72	TL-41B23	5/8	2 1/4	3 3/16	1	1,021	2,25
24	4,100	TL-41A24	5/8	0,372	0,82	TL-41B24	5/8	2 1/4	3 1/4	1	1,057	2,33
25	4,260	TL-41A25	5/8	0,399	0,88	TL-41B25	5/8	2 1/4	3 1/4	1	1,116	2,46
26	4,420	TL-41A26	5/8	0,426	0,94	TL-41B26	5/8	2 1/4	3 1/4	1	1,134	2,50
27	4,580	TL-41A27	5/8	0,454	1,00	TL-41B27	5/8	2 1/4	3 1/4	1	1,161	2,56
28	4,740	TL-41A28	5/8	0,490	1,08	TL-41B28	5/8	2 1/4	3 1/4	1	1,197	2,64
30	5,060	TL-41A30	19/32	0,544	1,20	TL-41B30	5/8	2 1/4	3 1/4	1	1,270	2,80
32	5,380	TL-41A32	19/32	0,653	1,44	TL-41B32	5/8	2 1/4	3 1/4	1	1,343	2,96
35	5,860	TL-41A35	19/32	0,771	1,70	TL-41B35	5/8	2 3/8	3 1/4	1	1,415	3,12
36	6,020	TL-41A36	19/32	0,835	1,84	TL-41B36	5/8	2 3/8	3 1/4	1	1,506	3,32
40	6,650	TL-41A40	23/32	1,007	2,22	TL-41B40	3/4	2 3/8	3 1/4	1 1/16	1,842	4,06
42	6,970	TL-41A42	23/32	1,134	2,50	TL-41B42	3/4	2 3/8	3 1/2	1 1/16	1,860	4,10
45	7,450	TL-41A45	23/32	1,143	2,52	TL-41B45	3/4	2 3/8	3 1/2	1 1/16	1,896	4,18
48	7,930	TL-41A48	23/32	1,324	2,92	TL-41B48	3/4	2 3/8	3 1/2	1 1/16	2,232	4,92
54	8,880	TL-41A54	23/32	1,606	3,54	TL-41B54	3/4	2 3/8	3 1/2	1 1/16	2,576	5,68
60	9,840	TL-41A60	23/32	2,087	4,60	TL-41B60	3/4	2 3/8	3 1/2	1 1/16	3,075	6,78
70	11,430	TL-41A70	23/32	2,821	6,22	TL-41B70	3/4	2 3/4	4	1 3/16	4,327	9,54
72	11,750	TL-41A72	23/32	2,867	6,32	TL-41B72	3/4	2 3/4	4	1 3/16	4,373	9,64
80	13,030	TL-41A80	23/32	3,837	8,46	TL-41B80	3/4	2 3/4	4	1 3/16	5,234	11,54
84	13,660	TL-41A84	23/32	4,137	9,12	TL-41B84	3/4	2 3/4	4	1 3/16	5,534	12,20
96	15,570	TL-41A96	15/16	5,371	11,84	TL-41B96	1	2 3/4	4	1 3/16	6,740	14,86
112	18,120	TL-41A112	15/16	7,185	15,84	TL-41B112	1	2 3/4	4	1 3/16	8,691	19,16



Type A

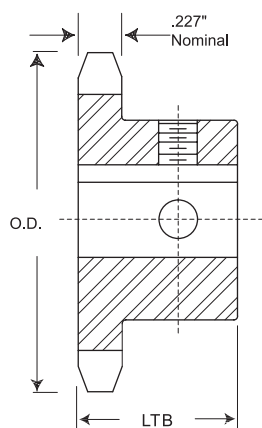


Type B

# NO 41 1/2" PITCH TYPE BS

## Type BS

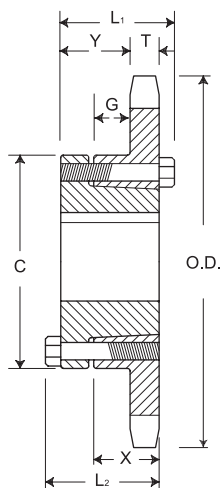
NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT	
				Kgs	Lbs
9	1,670	TL-41BS9	7/8	0,091	0,20
10	1,840	TL-41BS10	7/8	0,113	0,25
11	2,000	TL-41BS11	7/8	0,145	0,32
12	2,170	TL-41BS12	7/8	0,150	0,33
13	2,330	TL-41BS13	7/8	0,195	0,43
14	2,490	TL-41BS14	7/8	0,218	0,48
15	2,650	TL-41BS15	7/8	0,268	0,59
16	2,810	TL-41BS16	7/8	0,327	0,72
17	2,970	TL-41BS17	1	0,454	1,00
18	3,140	TL-41BS18	1	0,499	1,10
19	3,300	TL-41BS19	1	0,549	1,21
20	3,460	TL-41BS20	1	0,630	1,39
21	3,620	TL-41BS21	1	0,803	1,77
22	3,780	TL-41BS22	1	0,871	1,92
23	3,940	TL-41BS23	1	0,989	2,18
24	4,100	TL-41BS24	1	1,016	2,24
25	4,260	TL-41BS25	1	1,098	2,42
26	4,420	TL-41BS26	1	1,116	2,46
27	4,580	TL-41BS27	1	1,143	2,52
28	4,740	TL-41BS28	1	1,179	2,60
30	5,060	TL-41BS30	1	1,252	2,76
32	5,380	TL-41BS32	1	1,324	2,92
35	5,860	TL-41BS35	1	1,397	3,08
36	6,020	TL-41BS36	1	1,488	3,28
40	6,650	TL-41BS40	1 1/16	1,733	3,82
42	6,970	TL-41BS42	1 1/16	1,669	3,68
45	7,450	TL-41BS45	1 1/16	1,787	3,94
48	7,930	TL-41BS48	1 1/16	2,123	4,68
54	8,880	TL-41BS54	1 1/16	2,468	5,44
60	9,840	TL-41BS60	1 1/16	2,966	6,54
70	11,430	TL-41BS70	1 3/16	4,209	9,28
72	11,750	TL-41BS72	1 3/16	4,255	9,38
80	13,030	TL-41BS80	1 3/16	5,117	11,28
84	13,660	TL-41BS84	1 3/16	5,416	11,94
96	15,570	TL-41BS96	1 3/16	6,582	14,51
112	18,120	TL-41BS112	1 3/16	8,532	18,81



# NO 41 1/2" PITCH TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS							WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	G	X	T	Kgs	Lbs	Kgs
15	2,650	2,405	JA	TL-41JA15	1 1/4	1 1/8	1 1/8	2 1/16	49/64	25/64	5/8	0,227	0,553	1,22	0,145	0,32
16	2,810	2,563	JA	TL-41JA16	1 1/4	1 1/8	1 1/8	2 1/16	49/64	25/64	5/8	0,227	0,590	1,30	0,181	0,40
17	2,980	2,721	JA	TL-41JA17	1 1/4	1 1/8	1 1/8	2 1/16	49/64	25/64	5/8	0,227	0,635	1,40	0,227	0,50
18	3,140	2,879	JA	TL-41JA18	1 1/4	1 1/8	1 1/8	2 1/16	49/64	25/64	5/8	0,227	0,680	1,50	0,272	0,60
19	3,300	3,038	JA	TL-41JA19	1 1/4	1 1/8	1 1/8	2 1/16	49/64	25/64	5/8	0,227	0,717	1,58	0,308	0,68
20	3,460	3,196	SH	TL-41SH20	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	0,807	1,78	0,354	0,78
21	3,620	3,355	SH	TL-41SH21	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	0,826	1,82	0,372	0,82
22	3,780	3,513	SH	TL-41SH22	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	0,934	2,06	0,481	1,06
23	3,940	3,672	SH	TL-41SH23	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	0,971	2,14	0,517	1,14
24	4,100	3,831	SH	TL-41SH24	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	0,980	2,16	0,526	1,16
25	4,260	3,989	SH	TL-41SH25	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,007	2,22	0,553	1,22
26	4,420	4,148	SH	TL-41SH26	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,025	2,26	0,572	1,26
27	4,580	4,307	SH	TL-41SH27	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,089	2,40	0,635	1,40
28	4,740	4,466	SH	TL-41SH28	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,152	2,54	0,699	1,54
30	5,060	4,783	SH	TL-41SH30	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,170	2,58	0,717	1,58
32	5,380	5,101	SH	TL-41SH32	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,216	2,68	0,762	1,68
35	5,860	5,578	SH	TL-41SH35	1 5/8	1 7/16	1 7/16	2 11/16	1 1/32	37/64	13/16	0,227	1,265	2,79	0,812	1,79
36	6,020	5,737	SDS	TL-41SDS36	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	1,324	2,92	0,871	1,92
40	6,650	6,373	SDS	TL-41SDS40	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	1,506	3,32	1,052	2,32
42	6,970	6,691	SDS	TL-41SDS42	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	1,560	3,44	1,107	2,44
45	7,450	7,168	SDS	TL-41SDS45	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	1,706	3,76	1,252	2,76
48	7,930	7,645	SDS	TL-41SDS48	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	1,978	4,36	1,524	3,36
54	8,890	8,599	SDS	TL-41SDS54	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	2,259	4,98	1,805	3,98
60	9,840	9,554	SDS	TL-41SDS60	2	1 1/2	1 1/2	3 3/16	1 3/32	17/32	3/4	0,227	2,966	6,54	2,513	5,54
70	11,430	11,145	SK	TL-41SK70	2 5/8	2 1/8	2 1/8	3 7/8	1 41/64	1 1/32	1 1/4	0,227	4,273	9,42	3,366	7,42
72	11,750	11,463	SK	TL-41SK72	2 5/8	2 1/8	2 1/8	3 7/8	1 41/64	1 1/32	1 1/4	0,227	4,545	10,02	3,638	8,02
80	13,030	12,736	SK	TL-41SK80	2 5/8	2 1/8	2 1/8	3 7/8	1 41/64	1 1/32	1 1/4	0,227	5,280	11,64	4,373	9,64
84	13,660	13,372	SK	TL-41SK84	2 5/8	2 1/8	2 1/8	3 7/8	1 41/64	1 1/32	1 1/4	0,227	5,625	12,40	4,717	10,40
96	15,570	15,281	SK	TL-41SK96	2 5/8	2 1/8	2 1/8	3 7/8	1 41/64	1 1/32	1 1/4	0,227	6,722	14,82	5,815	12,82
112	18,120	17,828	SK	TL-41SK112	2 5/8	2 1/8	2 1/8	3 7/8	1 41/64	1 1/32	1 1/4	0,227	8,745	19,28	7,838	17,28



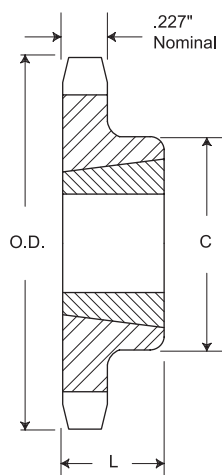
QD - Type B

# NO 41 1/2" PITCH TYPE TAPER BUSH

## Taper Bushed

## Type B

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
14	2,49	2,247	1008	TL-41-BTB14	1	7/8	1 7/8	0,181	0,4	0,136	0,3
15	2,65	2,405	1008	TL-41-BTB15	1	7/8	1 7/8	0,227	0,5	0,136	0,3
16	2,81	2,503	1008	TL-41-BTB16	1	7/8	2	0,272	0,6	0,136	0,3
17	2,97	2,721	1210	TL-41-BTB17	1 1/4	1	2 3/8	0,318	0,7	0,272	0,6
18	3,14	2,879	1210	TL-41-BTB18	1 1/4	1	2 3/8	0,408	0,9	0,272	0,6
19	3,30	3,038	1210	TL-41-BTB19	1 1/4	1	2 1/2	0,499	1,1	0,272	0,6
20	3,46	3,196	1610	TL-41-BTB20	1 5/8	1	2 7/8	0,499	1,1	0,408	0,9
21	3,62	3,355	1610	TL-41-BTB21	1 5/8	1	3	0,544	1,2	0,408	0,9
22	3,78	3,513	1610	TL-41-BTB22	1 5/8	1	3	0,590	1,3	0,408	0,9
23	3,94	3,672	1610	TL-41-BTB23	1 5/8	1	3	0,635	1,4	0,408	0,9
24	4,10	3,831	1610	TL-41-BTB24	1 5/8	1	3	0,635	1,4	0,408	0,9
25	4,26	3,989	1610	TL-41-BTB25	1 5/8	1	3	0,680	1,5	0,408	0,9
26	4,42	4,148	1610	TL-41-BTB26	1 5/8	1	3	0,680	1,5	0,408	0,9
28	4,74	4,466	1610	TL-41-BTB28	1 5/8	1	3	0,771	1,7	0,408	0,9
30	5,06	4,783	1610	TL-41-BTB30	1 5/8	1	3	0,816	1,8	0,408	0,9
32	5,38	5,101	1610	TL-41-BTB32	1 5/8	1	3	0,862	1,9	0,408	0,9
35	5,86	5,578	1610	TL-41-BTB35	1 5/8	1	3	1,043	2,3	0,408	0,9
36	6,02	5,737	1610	TL-41-BTB36	1 5/8	1	3	1,089	2,4	0,408	0,9
40	6,65	6,373	1610	TL-41-BTB40	1 5/8	1	3	1,225	2,7	0,408	0,9
45	7,45	7,168	1610	TL-41-BTB45	1 5/8	1	3	1,588	3,5	0,408	0,9
48	7,93	7,645	1610	TL-41-BTB48	1 5/8	1	3	1,860	4,1	0,408	0,9
54	8,88	8,599	1610	TL-41-BTB54	1 5/8	1	3	2,223	4,9	0,408	0,9
60	9,84	9,554	1610	TL-41-BTB60	1 5/8	1	3	2,585	5,7	0,408	0,9
70	11,43	11,145	1610	TL-41-BTB70	1 5/8	1	3	3,357	7,4	0,408	0,9
72	11,75	11,463	1610	TL-41-BTB72	1 5/8	1	3	3,719	8,2	0,408	0,9
80	13,03	12,736	1610	TL-41-BTB80	1 5/8	1	3	4,354	9,6	0,408	0,9
96	15,57	15,282	1610	TL-41-BTB96	1 5/8	1	3	5,942	13,1	0,408	0,9



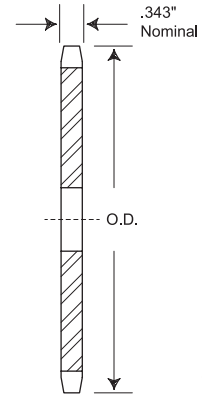
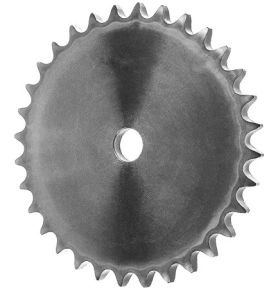
Type B

# NO 50 5/8" PITCH TYPE A & B

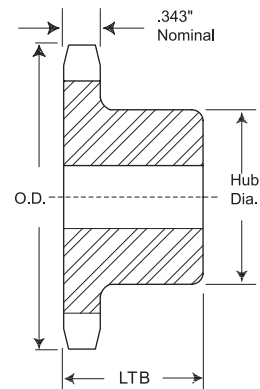
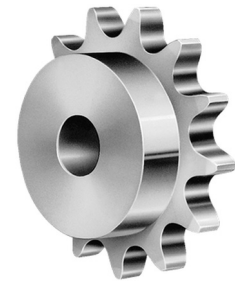
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
8	1,880					TL-50B8	5/8	5/8	1 1/8	1	0,113	0,25
9	2,090					TL-50B9	5/8	3/4	1 3/8	1	0,163	0,36
10	2,300					TL-50B10	5/8	7/8	1 9/16	1	0,218	0,48
11	2,500					TL-50B11	5/8	1	1 3/4	1	0,290	0,64
12	2,710	TL-50A12	5/8	0,154	0,34	TL-50B12	5/8	1 1/4	1 63/64	1	0,376	0,83
13	2,910	TL-50A13	5/8	0,191	0,42	TL-50B13	5/8	1 5/16	1 7/8	1	0,399	0,88
14	3,110	TL-50A14	5/8	0,227	0,50	TL-50B14	5/8	1 7/16	2 1/8	1	0,513	1,13
15	3,320	TL-50A15	5/8	0,245	0,54	TL-50B15	5/8	1 1/2		1	0,608	1,34
16	3,520	TL-50A16	5/8	0,308	0,68	TL-50B16	5/8	1 3/4	2 1/2	1	0,685	1,51
17	3,720	TL-50A17	5/8	0,345	0,76	TL-50B17	5/8	1 7/8	2 11/16	1	0,789	1,74
18	3,920	TL-50A18	5/8	0,390	0,86	TL-50B18	5/8	1 7/8	2 7/8	1	0,907	2,00
19	4,120	TL-50A19	5/8	0,426	0,94	TL-50B19	5/8	2	3	1	1,007	2,22
20	4,320	TL-50A20	3/4	0,481	1,06	TL-50B20	3/4	2	3	1	1,034	2,28
21	4,520	TL-50A21	3/4	0,508	1,12	TL-50B21	3/4	2	3	1	1,089	2,40
22	4,720	TL-50A22	3/4	0,590	1,30	TL-50B22	3/4	2	3	1	1,161	2,56
23	4,920	TL-50A23	3/4	0,653	1,44	TL-50B23	3/4	2	3	1	1,207	2,66
24	5,120	TL-50A24	23/32	0,680	1,50	TL-50B24	3/4	2	3	1 1/4	1,497	3,30
25	5,320	TL-50A25	23/32	0,735	1,62	TL-50B25	3/4	2	3	1 1/4	1,542	3,40
26	5,520	TL-50A26	23/32	0,780	1,72	TL-50B26	3/4	2	3	1 1/4	1,560	3,44
27	5,720	TL-50A27	23/32	0,889	1,96	TL-50B27	3/4	2	3	1 1/4	1,696	3,74
28	5,920	TL-50A28	23/32	0,925	2,04	TL-50B28	3/4	2	3	1 1/4	1,724	3,80
29	6,120	TL-50A29	23/32	1,070	2,36	TL-50B29	3/4	2	3	1 1/4	1,842	4,06
30	6,320	TL-50A30	23/32	1,152	2,54	TL-50B30	3/4	2 1/4	3 1/4	1 1/4	2,068	4,56
31	6,520	TL-50A31	23/32	1,270	2,80	TL-50B31	3/4	2 1/4	3 1/4	1 1/4	2,150	4,74
32	6,720	TL-50A32	23/32	1,234	2,72	TL-50B32	3/4	2 1/4	3 1/4	1 1/4	2,250	4,96
33	6,920	TL-50A33	23/32	1,424	3,14	TL-50B33	3/4	2 1/4	3 1/4	1 1/4	2,359	5,20
34	7,120	TL-50A34	23/32	1,451	3,20	TL-50B34	3/4	2 1/4	3 1/4	1 1/4	2,331	5,14
35	7,320	TL-50A35	23/32	1,515	3,34	TL-50B35	3/4	2 1/4	3 1/4	1 1/4	2,468	5,44
36	7,520	TL-50A36	23/32	1,733	3,82	TL-50B36	3/4	2 1/4	3 1/4	1 1/4	2,558	5,64
37	7,720	TL-50A37	23/32	1,805	3,98	TL-50B37	3/4	2 1/4	3 1/4	1 1/4	2,676	5,90
38	7,920	TL-50A38	23/32	1,878	4,14	TL-50B38	3/4	2 1/4	3 1/4	1 1/4	2,758	6,08
39	8,120	TL-50A39	23/32	2,005	4,42	TL-50B39	3/4	2 1/4	3 1/4	1 1/4	2,858	6,30
40	8,320	TL-50A40	23/32	2,023	4,46	TL-50B40	3/4	2 1/4	3 1/4	1 1/4	2,948	6,50
41	8,520	TL-50A41	23/32	2,204	4,86	TL-50B41	3/4	2 1/4	3 1/4	1 1/4	3,012	6,64
42	8,720	TL-50A42	23/32	2,259	4,98	TL-50B42	3/4	2 1/4	3 1/4	1 1/4	3,157	6,96
43	8,910	TL-50A43	23/32	2,377	5,24	TL-50B43	3/4	2 1/4	3 1/4	1 1/4	3,202	7,06
44	9,110	TL-50A44	23/32	2,458	5,42	TL-50B44	3/4	2 1/4	3 1/4	1 1/4	3,438	7,58
45	9,310	TL-50A45	23/32	2,685	5,92	TL-50B45	3/4	2 1/2	3 3/4	1 1/4	3,892	8,58
46	9,510	TL-50A46	15/16	2,912	6,42	TL-50B46	1	2 1/2	3 3/4	1 1/4	3,729	8,22
47	9,710	TL-50A47	15/16	2,948	6,50	TL-50B47	1	2 1/2	3 3/4	1 1/4	3,846	8,48
48	9,910	TL-50A48	15/16	2,985	6,58	TL-50B48	1	2 1/2	3 3/4	1 1/4	4,209	9,28
49	10,110	TL-50A49	15/16	3,202	7,06	TL-50B49	1	2 1/2	3 3/4	1 1/4	4,182	9,22
50	10,310	TL-50A50	15/16	3,221	7,10	TL-50B50	1	2 1/2	3 3/4	1 1/4	4,481	9,88
51	10,510	TL-50A51	15/16	3,320	7,32	TL-50B51	1	2 1/2	3 3/4	1 1/4	4,400	9,70
52	10,710	TL-50A52	15/16	3,620	7,98	TL-50B52	1	2 1/2	3 3/4	1 1/4	4,645	10,24
53	10,910	TL-50A53	15/16	3,665	8,08	TL-50B53	1	2 1/2	3 3/4	1 1/4	4,754	10,48
54	11,110	TL-50A54	15/16	3,765	8,30	TL-50B54	1	2 1/2	3 3/4	1 1/4	4,990	11,00
55	11,310	TL-50A55	15/16	3,883	8,56	TL-50B55	1	2 1/2	3 3/4	1 1/4	4,958	10,93
56	11,500	TL-50A56	15/16	4,037	8,90	TL-50B56	1	2 1/2	3 3/4	1 1/4	5,216	11,50
57	11,700	TL-50A57	15/16	4,255	9,38	TL-50B57	1	2 1/2	3 3/4	1 1/4	5,443	12,00
58	11,900	TL-50A58	15/16	4,672	10,30	TL-50B58	1	2 1/2	3 3/4	1 1/4	5,361	11,82
59	12,100	TL-50A59	15/16	4,763	10,50	TL-50B59	1	2 1/2	3 3/4	1 1/4	5,588	12,32
60	12,300	TL-50A60	15/16	4,899	10,80	TL-50B60	1	2 1/2	3 3/4	1 1/4	5,897	13,00



Type A



Type B

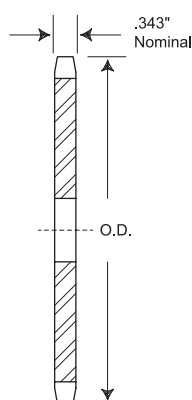
NEXT >

# NO 50 5/8" PITCH TYPE A & B

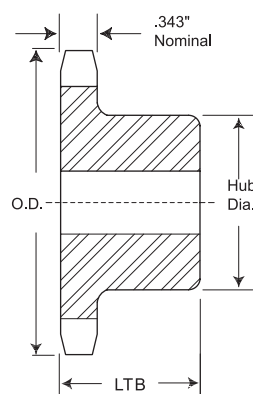
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
70	14,290	TL-50A70	15/16	6,350	14,00	TL-50B70	1	2 1/2	3 3/4	1 3/4	8,237	18,16
72	14,690	TL-50A72	15/16	6,913	15,24	TL-50B72	1	2 1/2	3 3/4	1 3/4	8,836	19,48
76	15,486	TL-50A76	15/16	9,108	20,08	TL-50B76	1	2 1/2	3 3/4	1 3/4	9,525	21,00
80	16,280	TL-50A80	15/16	9,525	21,00	TL-50B80	1	2 3/4	4 1/4	1 3/4	11,222	24,74
84	17,080	TL-50A84	15/16	10,015	22,08	TL-50B84	1	2 3/4	4 1/4	1 3/4	11,567	25,50
95	19,270	TL-50A95	15/16	12,247	27,00	TL-50B95	1	2 3/4	4 1/4	1 3/4	14,515	32,00
96	19,470	TL-50A96	15/16	12,428	27,40	TL-50B96	1	2 3/4	4 1/4	1 3/4	14,932	32,92
112	22,650	TL-50A112	15/16	17,100	37,70	TL-50B112	1	2 3/4	4 1/4	1 3/4	19,051	42,00



Type A



Type B

# NO 50 5/8" PITCH TYPE BS

## Type BS

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT	
				Kgs	Lbs
9	2,090	TL-50BS9	1	0,136	0,30
10	2,300	TL-50BS10	1	0,136	0,30
11	2,500	TL-50BS11	1	0,272	0,60
12	2,710	TL-50BS12	1	0,318	0,70
13	2,910	TL-50BS13	1	0,363	0,80
14	3,110	TL-50BS14	1	0,454	1,00
15	3,320	TL-50BS15	1	0,544	1,20
16	3,520	TL-50BS16	1	0,658	1,45
17	3,720	TL-50BS17	1	0,726	1,60
18	3,920	TL-50BS18	1	0,862	1,90
19	4,120	TL-50BS19	1	0,907	2,00
20	4,320	TL-50BS20	1	0,953	2,10
21	4,520	TL-50BS21	1	1,021	2,25
22	4,720	TL-50BS22	1	1,089	2,40
23	4,920	TL-50BS23	1	1,134	2,50

NEXT >

## Type BS

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT	
				Kgs	Lbs
24	5,120	TL-50BS24	1 1/4	1,361	3,00
25	5,320	TL-50BS25	1 1/4	1,406	3,10
26	5,520	TL-50BS26	1 1/4	1,497	3,30
27	5,720	TL-50BS27	1 1/4	1,569	3,46
28	5,920	TL-50BS28	1 1/4	1,633	3,60
29	6,120	TL-50BS29	1 1/4	1,715	3,78
30	6,320	TL-50BS30	1 1/4	1,769	3,90
31	6,520	TL-50BS31	1 1/4	2,023	4,46
32	6,720	TL-50BS32	1 1/4	2,132	4,70
33	6,920	TL-50BS33	1 1/4	2,232	4,92
34	7,120	TL-50BS34	1 1/4	2,295	5,06
35	7,320	TL-50BS35	1 1/4	2,404	5,30
36	7,520	TL-50BS36	1 1/4	2,495	5,50
37	7,720	TL-50BS37	1 1/4	2,549	5,62
38	7,920	TL-50BS38	1 1/4	2,631	5,80
39	8,120	TL-50BS39	1 1/4	2,731	6,02
40	8,320	TL-50BS40	1 1/4	2,812	6,20
41	8,520	TL-50BS41	1 1/4	2,926	6,45
42	8,720	TL-50BS42	1 1/4	3,030	6,68
43	8,910	TL-50BS43	1 1/4	3,171	6,99
44	9,110	TL-50BS44	1 1/4	3,311	7,30
45	9,310	TL-50BS45	1 1/4	3,629	8,00
46	9,510	TL-50BS46	1 1/4	3,860	8,51
47	9,710	TL-50BS47	1 1/4	3,973	8,76
48	9,910	TL-50BS48	1 1/4	4,096	9,03
49	10,110	TL-50BS49	1 1/4	4,232	9,33
50	10,310	TL-50BS50	1 1/4	4,368	9,63
51	10,510	TL-50BS51	1 1/4	4,450	9,81
52	10,710	TL-50BS52	1 1/4	4,531	9,99
53	10,910	TL-50BS53	1 1/4	4,704	10,37
54	11,110	TL-50BS54	1 1/4	4,876	10,75
55	11,310	TL-50BS55	1 1/4	5,026	11,08
56	11,500	TL-50BS56	1 1/4	5,175	11,41
57	11,700	TL-50BS57	1 1/4	5,330	11,75
58	11,900	TL-50BS58	1 1/4	5,479	12,08
59	12,100	TL-50BS59	1 1/4	5,629	12,41
60	12,300	TL-50BS60	1 1/4	6,123	13,50
70	14,290	TL-50BS70	1 3/4	8,078	17,81
72	14,690	TL-50BS72	1 3/4	8,677	19,13
80	16,280	TL-50BS80	1 3/4	11,063	24,39
84	17,080	TL-50BS84	1 3/4	11,408	25,15
96	19,470	TL-50BS96	1 3/4	14,774	32,57
112	22,650	TL-50BS112	1 3/4	18,892	41,65

Delivered with two Setscrews disposed at 90°.  
Keyway is cut at the tooth centerline.

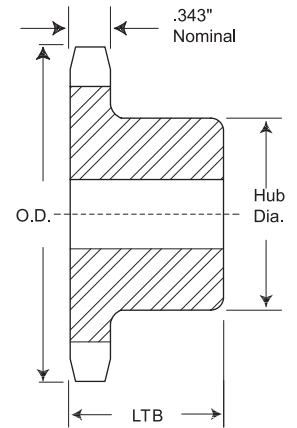
Bore to size in inches or mm.  
Screw drawn to keyway center.



# NO 50 5/8" PITCH STAINLESS STEEL



NO TEETH	OD Inch	Type A				Type B				WEIGHT		
		REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)			
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
8	1,884					TL-50BSS8	5/8	5/8	1 1/8	1	0,113	0,25
9	2,093					TL-50BSS9	5/8	3/4	1 3/8	1	0,163	0,36
10	2,300					TL-50BSS10	5/8	7/8	3 9/16	1	0,227	0,50
11	2,500					TL-50BSS11	5/8	1	1 3/4	1	0,272	0,60
12	2,710					TL-50BSS12	5/8	1 1/4	1 63/64	1	0,318	0,70
13	2,910	TL-50ASS13	5/8	0,191	0,42	TL-50BSS13	5/8	1 5/16	1 7/8	1	0,363	0,80
14	3,110	TL-50ASS14	5/8	0,227	0,50	TL-50BSS14	5/8	1 7/16	2 1/8	1	0,454	1,00
15	3,320	TL-50ASS15	5/8	0,245	0,54	TL-50BSS15	5/8	1 1/2	2 3/8	1	0,590	1,30
16	3,520	TL-50ASS16	5/8	0,308	0,68	TL-50BSS16	5/8	1 3/4	2 1/2	1	0,680	1,50
17	3,720	TL-50ASS17	5/8	0,345	0,76	TL-50BSS17	5/8	1 7/8	2 11/16	1	0,816	1,80
18	3,920	TL-50ASS18	5/8	0,390	0,86	TL-50BSS18	5/8	1 7/8	2 7/8	1	0,907	2,00
19	4,120	TL-50ASS19	5/8	0,426	0,94	TL-50BSS19	5/8	1 3/4	2 1/2	1	1,012	2,23
20	4,320	TL-50ASS20	3/4	0,481	1,06	TL-50BSS20	3/4	1 3/4	2 1/2	1	1,043	2,30
21	4,520	TL-50ASS21	23/32	0,635	1,40	TL-50BSS21	3/4	2	3	1	1,098	2,42
22	4,720	TL-50ASS22	23/32	0,726	1,60	TL-50BSS22	3/4	2	3	1	1,152	2,54
23	4,920	TL-50ASS23	23/32	0,771	1,70	TL-50BSS23	3/4	2	3	1	1,211	2,67
24	5,120	TL-50ASS24	23/32	0,816	1,80	TL-50BSS24	3/4	2	3	1 1/4	1,533	3,38
25	5,320	TL-50ASS25	23/32	0,862	1,90	TL-50BSS25	3/4	2	3	1 1/4	1,551	3,42
26	5,520	TL-50ASS26	23/32	0,771	1,70	TL-50BSS26	3/4	2	3	1 1/4	1,619	3,57
28	5,920	TL-50ASS28	23/32	1,134	2,50	TL-50BSS28	3/4	2	3	1 1/4	1,760	3,88
30	6,320	TL-50ASS30	23/32	1,225	2,70	TL-50BSS30	3/4	2 1/4	3 1/4	1 1/4	2,059	4,54
32	6,721	TL-50ASS32	23/32	1,234	2,72	TL-50BSS32	3/4	2 1/4	3 1/4	1 1/4	2,250	4,96
35	7,320	TL-50ASS35	23/32	1,678	3,70	TL-50BSS35	3/4	2 1/4	3 1/4	1 1/4	2,468	5,44
36	7,519	TL-50ASS36	23/32	1,733	3,82	TL-50BSS36	3/4	2 1/4	3 1/4	1 1/4	2,558	5,64
40	8,320	TL-50ASS40	23/32	2,132	4,70	TL-50BSS40	3/4	2 1/4	3 1/4	1 1/4	2,948	6,50
45	9,310	TL-50ASS45	23/32	2,722	6,00	TL-50BSS45	3/4	2 1/2	3 3/4	1 1/4	3,856	8,50
46	9,911	TL-50ASS46	15/16	2,985	6,58	TL-50BSS48	1	2 1/2	3 3/4	1 1/4	4,209	9,28
54	11,106	TL-50ASS54	15/16	3,765	8,30	TL-50BSS54	1	2 1/2	3 3/4	1 1/4	4,990	11,00
60	12,300	TL-50ASS60	15/16	4,899	10,80	TL-50BSS60	1	2 1/2	3 3/4	1 1/4	6,350	14,00



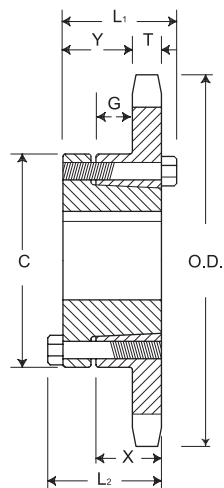
Type B



# NO 50 5/8" PITCH TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS							WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	G	X	T	Kgs	Lbs	Kgs
12	2,710	2,415	JA	TL-50JA12	1 1/4	1 1/8	1 1/8	2 1/16	21/32	9/32	5/8	0,343	0,562	1,24	0,154	0,34
13	2,910	2,612	JA	TL-50JA13	1 1/4	1 1/8	1 1/8	2 1/16	21/32	9/32	5/8	0,343	0,590	1,30	0,181	0,40
14	3,110	2,803	JA	TL-50JA14	1 1/4	1 1/8	1 1/8	2 1/16	21/32	9/32	5/8	0,343	0,658	1,45	0,236	0,52
15	3,320	3,006	JA	TL-50JA15	1 1/4	1 1/8	1 1/8	2 1/16	21/32	9/32	5/8	0,343	0,680	1,50	0,272	0,60
16	3,520	3,204	JA	TL-50JA16	1 1/4	1 1/8	1 1/8	2 1/16	21/32	9/32	5/8	0,343	0,717	1,58	0,308	0,68
17	3,720	3,401	SH	TL-50SH17	1 5/8	1 7/16	1 7/16	2 11/16	29/32	15/32	13/16	0,343	0,835	1,84	0,381	0,84
18	3,920	3,599	SH	TL-50SH18	1 5/8	1 7/16	1 7/16	2 11/16	29/32	15/32	13/16	0,343	0,925	2,04	0,472	1,04
19	4,120	3,797	SH	TL-50SH19	1 5/8	1 7/16	1 7/16	2 11/16	29/32	15/32	13/16	0,343	1,016	2,24	0,562	1,24
20	4,320	3,995	SDS	TL-50SDS20	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	0,998	2,20	0,544	1,20
21	4,520	4,194	SDS	TL-50SDS21	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,052	2,32	0,599	1,32
22	4,720	4,392	SDS	TL-50SDS22	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,125	2,48	0,644	1,42
23	4,920	4,590	SDS	TL-50SDS23	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,170	2,58	0,717	1,58
24	5,120	4,788	SDS	TL-50SDS24	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,225	2,70	0,771	1,70
25	5,320	4,987	SDS	TL-50SDS25	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,297	2,86	0,844	1,86
26	5,520	5,185	SDS	TL-50SDS26	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,361	3,00	0,907	2,00
27	5,720	5,384	SDS	TL-50SDS27	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,415	3,12	0,962	2,12
28	5,920	5,582	SDS	TL-50SDS28	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,506	3,32	1,052	2,32
30	6,320	5,979	SDS	TL-50SDS30	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,651	3,64	1,197	2,64
32	6,720	6,376	SDS	TL-50SDS32	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	1,805	3,98	1,352	2,98
35	7,320	6,972	SDS	TL-50SDS35	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	2,096	4,62	1,642	3,62
36	7,520	7,171	SDS	TL-50SDS36	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	2,105	4,64	1,651	3,64
40	8,320	7,966	SDS	TL-50SDS40	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	2,604	5,74	2,150	4,74
42	8,720	8,363	SDS	TL-50SDS42	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	2,903	6,40	2,449	5,40
45	9,310	8,960	SDS	TL-50SDS45	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	3,130	6,90	2,676	5,90
48	9,910	9,556	SDS	TL-50SDS48	2	1 1/2	1 1/2	3 3/16	31/32	13/32	3/4	0,343	3,475	7,66	3,021	6,66
54	11,110	10,749	SK	TL-50SK54	2 5/8	2 1/8	2 1/8	3 7/8	1 17/32	29/32	1 1/4	0,343	5,298	11,68	4,391	9,68
60	12,300	11,942	SK	TL-50SK60	2 5/8	2 1/8	2 1/8	3 7/8	1 17/32	29/32	1 1/4	0,343	6,296	13,88	5,389	11,88
70	14,290	13,931	SK	TL-50SK70	2 5/8	2 1/8	2 1/8	3 7/8	1 17/32	29/32	1 1/4	0,343	7,947	17,52	7,040	15,52
72	14,690	14,329	SK	TL-50SK72	2 5/8	2 1/8	2 1/8	3 7/8	1 17/32	29/32	1 1/4	0,343	8,364	18,44	7,457	16,44
80	16,280	15,920	SF	TL-50SF80	2 15/16	2 1/4	2 1/4	4 5/8	1 21/32	29/32	1 1/4	0,343	10,387	22,90	9,026	19,90
84	17,080	16,715	SF	TL-50SF84	2 15/16	2 1/4	2 1/4	4 5/8	1 21/32	29/32	1 1/4	0,343	11,784	25,98	10,424	22,98
96	19,470	19,102	SF	TL-50SF96	2 15/16	2 1/4	2 1/4	4 5/8	1 21/32	29/32	1 1/4	0,343	14,914	32,88	13,553	29,88
112	22,650	22,285	SF	TL-50SF112	2 15/16	2 1/4	2 1/4	4 5/8	1 21/32	29/32	1 1/4	0,343	19,550	43,10	18,189	40,10



Type B

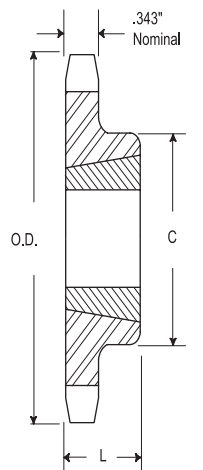


# NO 50 5/8" PITCH TYPE TAPER BUSH

## Taper Bushed

## Type B

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
12	2,708	2,415	1008	TL-50BTB12	1	7/8	1 15/16	0,227	0,5	0,136	0,3
13	2,911	2,612	1008	TL-50BTB13	1	7/8	1 13/16	0,227	0,5	0,136	0,3
14	3,113	2,809	1008	TL-50BTB14	1	7/8	1 15/16	0,272	0,6	0,136	0,3
15	3,315	3,006	1210	TL-50BTB15	1 1/4	1	2 15/32	0,318	0,7	0,272	0,6
16	3,517	3,204	1610	TL-50BTB16	1 5/8	1	2 25/32	0,318	0,7	0,408	0,9
17	3,719	3,401	1610	TL-50BTB17	1 5/8	1	2 25/32	0,363	0,8	0,408	0,9
18	3,920	3,599	1610	TL-50BTB18	1 5/8	1	2 25/32	0,408	0,9	0,408	0,9
19	4,120	3,797	1610	TL-50BTB19	1 5/8	1	3	0,590	1,3	0,408	0,9
20	4,321	3,995	1610	TL-50BTB20	1 5/8	1	3 1/4	0,726	1,6	0,408	0,9
21	4,522	4,193	1610	TL-50BTB21	1 5/8	1	3 1/2	0,680	1,5	0,408	0,9
22	4,722	4,392	1610	TL-50BTB22	1 5/8	1	3 1/2	0,726	1,6	0,408	0,9
23	4,922	4,590	2012	TL-50BTB23	2	1 1/4	3 7/8	0,907	2,0	0,771	1,7
24	5,122	4,788	2012	TL-50BTB24	2	1 1/4	4	0,998	2,2	0,771	1,7
25	5,322	4,987	2012	TL-50BTB25	2	1 1/4	4	1,089	2,4	0,771	1,7
26	5,522	5,185	2012	TL-50BTB26	2	1 1/4	4	1,134	2,5	0,771	1,7
27	5,723	5,384	2012	TL-50BTB27	2	1 1/4	4	1,179	2,6	0,771	1,7
28	5,922	5,582	2012	TL-50BTB28	2	1 1/4	4	1,270	2,8	0,771	1,7
30	6,321	5,979	2012	TL-50BTB30	2	1 1/4	3 9/16	1,451	3,2	0,771	1,7
32	6,721	6,376	2012	TL-50BTB32	2	1 1/4	3 9/16	1,633	3,6	0,771	1,7
35	7,319	6,972	2012	TL-50BTB35	2	1 1/4	3 9/16	1,905	4,2	0,771	1,7
36	7,519	7,171	2012	TL-50BTB36	2	1 1/4	3 9/16	1,950	4,3	0,771	1,7
40	8,316	7,966	2012	TL-50BTB40	2	1 1/4	3 9/16	2,359	5,2	0,771	1,7
42	8,715	8,363	2012	TL-50BTB42	2	1 1/4	3 9/16	2,676	5,9	0,771	1,7
45	9,313	8,960	2012	TL-50BTB45	2	1 1/4	3 9/16	2,948	6,5	0,771	1,7
48	9,911	9,556	2012	TL-50BTB48	2	1 1/4	3 9/16	3,311	7,3	0,771	1,7
54	11,106	10,749	2012	TL-50BTB54	2	1 1/4	3 9/16	4,082	9,0	0,771	1,7
60	12,301	11,942	2012	TL-50BTB60	2	1 1/4	3 9/16	4,899	10,8	0,771	1,7
70	14,292	13,931	2517	TL-50BTB70	2 1/2	1 3/4	4 1/4	6,350	14,0	1,588	3,5
72	14,690	14,329	2517	TL-50BTB72	2 1/2	1 3/4	4 1/4	7,031	15,5	1,588	3,5
80	16,282	15,920	2517	TL-50BTB80	2 1/2	1 3/4	4 1/4	8,845	19,5	1,588	3,5
84	17,079	16,715	2517	TL-50BTB84	2 1/2	1 3/4	4 1/4	10,206	22,5	1,588	3,5
96	19,466	19,102	2517	TL-50BTB96	2 1/2	1 3/4	4 1/4	13,154	29,0	1,588	3,5
112	22,651	22,285	2517	TL-50BTB112	2 1/2	1 3/4	4 1/4	17,554	38,7	1,588	3,5



Type B

# NO 50 5/8" PITCH TYPE SPLIT TAPER

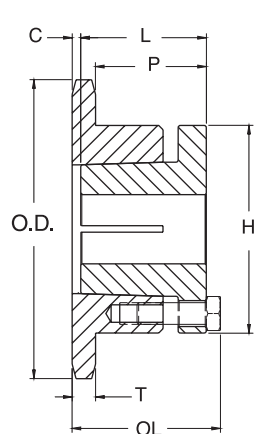
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIAMENCIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
13	TL-ST50H13	H	2,910	2,612	3	1-1/2	1 21/32	1 1/4	7/32	2-1/2	1-1/8	0,343	0,635	1,4	0,272	0,6
14	TL-ST50H14	H	3,110	2,809	3	1-1/2	1 19/32	1 1/4	5/32	2-1/2	1-1/16	0,343	0,635	1,4	0,272	0,6
15	TL-ST50H15	H	3,320	3,006	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	0,726	1,6	0,363	0,8
15	TL-ST50P15	P1	3,320	3,006	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,089	2,4	0,499	1,1
16	TL-ST50H16	H	3,520	3,204	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	0,771	1,7	0,408	0,9
16	TL-ST50P16	P1	3,520	3,204	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,225	2,7	0,635	1,4
17	TL-ST50H17	H	3,720	3,401	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	0,816	1,8	0,454	1,0
17	TL-ST50P17	P1	3,720	3,401	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,225	2,7	0,635	1,4
18	TL-ST50H18	H	3,920	3,599	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	0,862	1,9	0,499	1,1
18	TL-ST50P18	P1	3,920	3,599	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,406	3,1	0,816	1,8
19	TL-ST50H19	H	4,120	3,797	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	0,953	2,1	0,590	1,3
19	TL-ST50P19	P1	4,120	3,797	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,406	3,1	0,816	1,8
20	TL-ST50H20	H	4,320	3,995	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,043	2,3	0,680	1,5
20	TL-ST50P20	P1	4,320	3,995	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,497	3,3	0,907	2,0
21	TL-ST50H21	H	4,520	4,194	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	0,998	2,2	0,635	1,4
21	TL-ST50P21	P1	4,520	4,194	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,542	3,4	0,953	2,1
22	TL-ST50H22	H	4,720	4,392	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,043	2,3	0,680	1,5
22	TL-ST50P22	P1	4,720	4,392	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,588	3,5	0,998	2,2
23	TL-ST50H23	H	4,920	4,590	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,134	2,5	0,771	1,7
23	TL-ST50P23	P1	4,920	4,590	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,678	3,7	1,089	2,4
23	TL-ST50Q23	Q1	4,920	4,590	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	3,039	6,7	1,451	3,2
24	TL-ST50H24	H	5,120	4,788	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,179	2,6	0,816	1,8
24	TL-ST50P24	P1	5,120	4,788	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,769	3,9	1,179	2,6
24	TL-ST50Q24	Q1	5,120	4,788	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	3,175	7,0	1,588	3,5
25	TL-ST50H25	H	5,320	4,987	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,225	2,7	0,862	1,9
25	TL-ST50P25	P1	5,320	4,987	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,814	4,0	1,225	2,7
25	TL-ST50Q25	Q1	5,320	4,987	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	3,221	7,1	1,633	3,6
26	TL-ST50H26	H	5,520	5,185	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,270	2,8	0,907	2,0
26	TL-ST50P26	P1	5,520	5,185	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,860	4,1	1,270	2,8
26	TL-ST50Q26	Q1	5,520	5,185	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	3,266	7,2	1,678	3,7
27	TL-ST50H27	H	5,720	5,384	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,361	3,0	0,998	2,2
27	TL-ST50P27	P1	5,720	5,384	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,905	4,2	1,315	2,9
27	TL-ST50Q27	Q1	5,720	5,384	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	3,311	7,3	1,724	3,8
28	TL-ST50H28	H	5,920	5,582	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,497	3,3	1,134	2,5
28	TL-ST50P28	P1	5,920	5,582	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	1,950	4,3	1,361	3,0
28	TL-ST50Q28	Q1	5,920	5,582	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	3,402	7,5	1,814	4,0
29	TL-ST50P29	P1	6,120	5,781	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,132	4,7	1,542	3,4
30	TL-ST50H30	H	6,320	5,979	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,678	3,7	1,315	2,9
30	TL-ST50P30	P1	6,320	5,979	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,223	4,9	1,633	3,6
30	TL-ST50Q30	Q1	6,320	5,979	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	4,128	9,1	2,540	5,6
31	TL-ST50P31	P1	6,520	6,178	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,223	4,9	1,633	3,6
32	TL-ST50H32	H	6,720	6,376	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,814	4,0	1,451	3,2
32	TL-ST50P32	P1	6,720	6,376	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,359	5,2	1,769	3,9
32	TL-ST50Q32	Q1	6,720	6,376	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	4,354	9,6	2,767	6,1
33	TL-ST50H33	H	6,920	6,575	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	1,905	4,2	1,542	3,4
33	TL-ST50P33	P1	6,920	6,575	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,449	5,4	1,860	4,1
34	TL-ST50H34	H	7,120	6,774	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	2,041	4,5	1,678	3,7
34	TL-ST50P34	P1	7,120	6,774	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,540	5,6	1,950	4,3
35	TL-ST50H35	H	7,320	6,972	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	2,087	4,6	1,724	3,8
35	TL-ST50P35	P1	7,320	6,972	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,540	5,6	1,950	4,3
35	TL-ST50Q35	Q1	7,320	6,972	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	4,672	10,3	3,084	6,8
36	TL-ST50H36	H	7,520	7,171	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	2,177	4,8	1,814	4,0
36	TL-ST50P36	P1	7,520	7,171	4	1-3/4	2 3/16	1 15/16		3	1-19/32	0,343	2,767	6,1	2,177	4,8

NEXT >

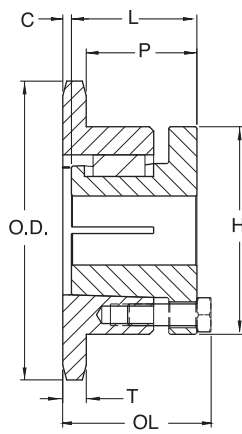


# NO 50 5/8" PITCH TYPE SPLIT TAPER

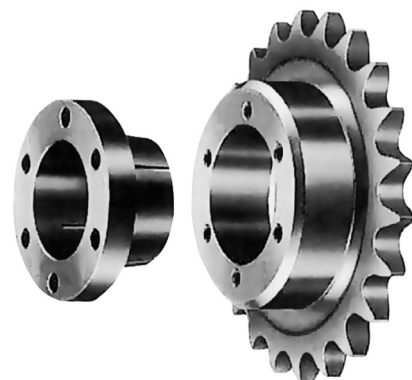
NO TEETH	REFERENCE	BUSHING	DIAMETERS		TYPE	MAX. BORE	DIAMENCIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
36	TL-ST50Q36	Q1	7,520	7,171	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	4,672	10,3	3,084	6,8
37	TL-ST50Q37	Q1	7,720	7,370	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	4,763	10,5	3,175	7,0
38	TL-ST50H38	H	7,920	7,569	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	2,359	5,2	1,996	4,4
38	TL-ST50Q38	Q1	7,920	7,569	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	4,944	10,9	3,357	7,4
39	TL-ST50Q39	Q1	8,120	7,767	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,035	11,1	3,447	7,6
40	TL-ST50H40	H	8,320	7,966	3	1-1/2	1 1/2	1 1/4	1/16	2-1/2	31/32	0,343	2,540	5,6	2,177	4,8
40	TL-ST50Q40	Q1	8,320	7,966	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,216	11,5	3,629	8,0
41	TL-ST50Q41	Q1	8,520	8,165	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,307	11,7	3,719	8,2
42	TL-ST50Q42	Q1	8,720	8,363	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,352	11,8	3,765	8,3
44	TL-ST50Q44	Q1	9,110	8,761	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,488	12,1	3,901	8,6
45	TL-ST50Q45	Q1	9,310	8,960	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,670	12,5	4,082	9,0
47	TL-ST50Q47	Q1	9,710	9,357	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,806	12,8	4,218	9,3
48	TL-ST50Q48	Q1	9,910	9,556	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	5,942	13,1	4,354	9,6
50	TL-ST50Q50	Q1	10,310	9,954	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	6,033	13,3	4,445	9,8
54	TL-ST50Q54	Q1	11,110	10,749	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	6,713	14,8	5,126	11,3
56	TL-ST50Q56	Q1	11,500	11,147	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	7,167	15,8	5,579	12,3
60	TL-ST50Q60	Q1	12,300	11,942	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	7,620	16,8	6,033	13,3
70	TL-ST50Q70	Q1	14,290	13,931	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	9,253	20,4	7,666	16,9
72	TL-ST50Q72	Q1	14,690	14,329	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	9,798	21,6	8,210	18,1
80	TL-ST50Q80	Q1	16,280	15,920	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	11,158	24,6	9,571	21,1
84	TL-ST50Q84	Q1	17,080	16,715	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	12,610	27,8	11,022	24,3
96	TL-ST50Q96	Q1	19,470	19,102	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	15,105	33,3	13,517	29,8
112	TL-ST50Q112	Q1	22,650	22,285	4	2-11/16	2-25/32	2-1/2		4-1/8	2-5/32	0,343	19,414	42,8	17,826	39,3



Type 3



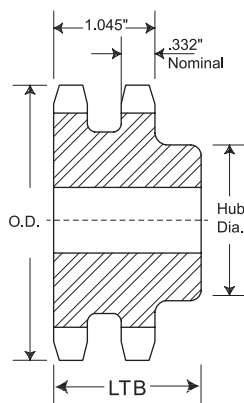
Type 4



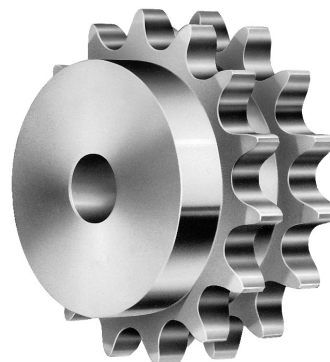
# NO 50-2 5/8" PITCH DOUBLE. TYPE B

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
11	2,500	TL-50-2B11	5/8	15/16	1 15/32	1 3/4	0,435	0,96
12	2,710	TL-50-2B12	5/8	1 1/8	1 11/16	1 3/4	0,567	1,25
13	2,910	TL-50-2B13	5/8	1 5/16	1 7/8	1 3/4	0,708	1,56
14	3,110	TL-50-2B14	5/8	1 3/8	2 1/16	1 3/4	0,844	1,86
15	3,320	TL-50-2B15	3/4	1 1/2	2 5/16	1 3/4	1,007	2,22
16	3,520	TL-50-2B16	3/4	1 3/4	2 1/2	1 3/4	1,188	2,62
17	3,720	TL-50-2B17	3/4	1 7/8	2 11/16	1 3/4	1,379	3,04
18	3,920	TL-50-2B18	3/4	1 15/16	2 15/16	1 3/4	1,624	3,58
19	4,120	TL-50-2B19	1	2 1/8	3 1/8	1 3/4	1,769	3,90
20	4,320	TL-50-2B20	1	2 1/4	3 1/4	1 3/4	1,932	4,26
21	4,520	TL-50-2B21	1	2 3/8	3 1/2	1 3/4	2,223	4,90
22	4,720	TL-50-2B22	1	2 3/8	3 9/16	1 7/8	2,531	5,58
23	4,920	TL-50-2B23	1	2 1/2	3 5/8	1 7/8	2,767	6,10
24	5,120	TL-50-2B24	1	2 1/2	3 5/8	1 7/8	2,948	6,50
25	5,320	TL-50-2B25	1	2 1/2	3 5/8	1 7/8	3,148	6,94
26	5,520	TL-50-2B26	1	2 1/2	3 3/4	1 7/8	3,420	7,54
30	6,320	TL-50-2B30	1	2 1/2	3 3/4	1 7/8	4,264	9,40
32	6,720	TL-50-2B32	1	2 1/2	3 3/4	1 7/8	4,745	10,46
35	7,320	TL-50-2B35	1	2 1/2	3 3/4	1 7/8	5,570	12,28
36	7,520	TL-50-2B36	1 3/16	2 3/4	4	2 1/8	6,323	13,94
40	8,320	TL-50-2B40	1 3/16	2 3/4	4	2 1/8	7,502	16,54
42	8,720	TL-50-2B42	1 3/16	2 3/4	4	2 1/8	8,128	17,92
45	9,310	TL-50-2B45	1 3/16	2 3/4	4	2 1/8	9,208	20,30
48	9,910	TL-50-2B48	1 3/16	2 3/4	4 1/4	2 3/8	10,923	24,08
52	10,710	TL-50-2B52	1 3/16	2 3/4	4 1/4	2 3/8	12,438	27,42
54	11,110	TL-50-2B54	1 3/16	2 3/4	4 1/4	2 3/8	13,227	29,16
60	12,300	TL-50-2B60	1 5/16	3	4 1/2	2 3/8	16,275	35,88
68	13,890	TL-50-2B68	1 5/16	3	4 1/2	2 3/8	20,403	44,98
72	14,690	TL-50-2B72	1 5/16	3	4 1/2	2 3/8	22,779	50,22
76	15,490	TL-50-2B76	1 5/16	3	4 1/2	2 3/8	20,702	45,64
84	17,080	TL-50-2B84	1 5/16	3	4 1/2	2 3/8	23,424	51,64
95	19,270	TL-50-2B95	1 5/16	3	4 1/2	2 3/8	29,175	64,32
96	19,470	TL-50-2B96	1 5/16	3	4 1/2	2 3/8	30,581	67,42
102	20,660	TL-50-2B102	1 5/16	3	4 1/2	2 3/8	32,967	72,68
112	22,650	TL-50-2B112	1 5/16	3 5/16	5 1/4	2 3/8	40,923	90,22

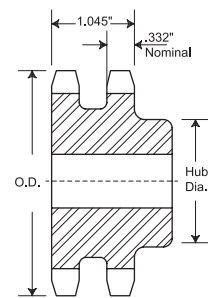


Type B

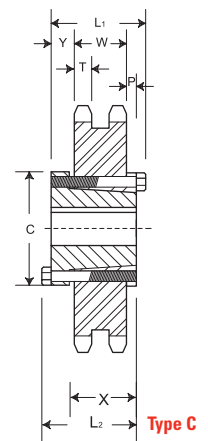


# NO 50-2 5/8" PITCH DOUBLE. TYPE QD

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	P	X	T	W	Kgs	Lbs	Kgs	Lbs	
36	7,520	7,171	SK	TL-50-2SK36	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/64	1 1/4	0,332	1,045	5,026	11,08	4,119	9,08		
42	8,720	8,363	SK	TL-50-2SK42	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/64	1 1/4	0,332	1,045	6,876	15,16	5,969	13,16		
48	9,910	9,556	SK	TL-50-2SK48	2 5/8	2 1/8	2 1/8	3 7/8	5/8	13/64	1 1/4	0,332	1,045	9,026	19,90	8,119	17,90		
52	10,710	10,351	SF	TL-50-2SF52	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	11,004	24,26	9,643	21,26		
54	11,110	10,749	SF	TL-50-2SF54	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	11,875	26,18	10,514	23,18		
60	12,300	11,942	SF	TL-50-2SF60	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	14,569	32,12	13,209	29,12		
68	13,890	13,533	SF	TL-50-2SF68	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	18,670	41,16	17,309	38,16		
72	14,690	14,329	SF	TL-50-2SF72	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	20,992	46,28	19,622	43,26		
76	15,490	15,124	SF	TL-50-2SF76	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	21,319	47,00	19,958	44,00		
84	17,080	16,715	SF	TL-50-2SF84	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	22,176	48,89	20,811	45,88		
95	19,270	18,903	SF	TL-50-2SF95	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	28,032	61,80	26,708	58,88		
102	20,660	20,295	SF	TL-50-2SF102	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	31,307	69,02	29,946	66,02		
112	22,650	22,285	SF	TL-50-2SF112	2 15/16	2 1/4	2 1/4	4 5/8	3/4	13/64	1 1/4	0,332	1,045	40,034	88,26	38,673	85,26		



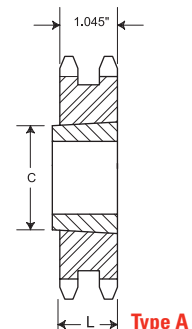
Type B



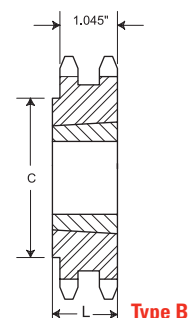
Type C

# NO 50-2 5/8" PITCH DOUBLE. TYPE TAPER BUSH

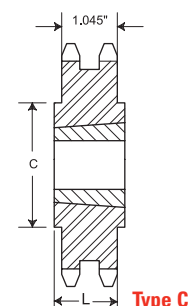
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs
14	3,113	2,809	1008	A	TL-50-2ATB14	1	7/8		0,363	0,8	0,136	0,3	
15	3,315	3,006	1210	A	TL-50-2ATB15	1 1/4	1		0,408	0,9	0,272	0,6	
16	3,517	3,204	1210	A	TL-50-2ATB16	1 1/4	1		0,499	1,1	0,272	0,6	
17	3,719	3,410	1610	A	TL-50-2ATB17	1 5/8	1		0,499	1,1	0,272	0,6	
18	3,920	3,599	1610	A	TL-50-2ATB18	1 5/8	1		0,590	1,3	0,408	0,9	
19	4,120	3,797	1610	A	TL-50-2ATB19	1 5/8	1		0,726	1,6	0,408	0,9	
20	4,321	3,995	2012	B	TL-50-2BTB20	2	1 1/4	3 1/4	0,680	1,5	0,771	1,7	
21	4,522	4,193	2012	B	TL-D50BTB21	2	1 1/4	3 1/2	0,862	1,9	0,771	1,7	
25	5,322	4,987	2012	B	TL-D50BTB25	2	1 1/4	4 9/32	1,724	3,8	0,771	1,7	
30	6,321	5,979	2517	B	TL-D50BTB30	2 1/2	1 3/4	5 9/32	3,402	7,5	1,588	3,5	
36	7,519	7,171	2517	C	TL-50-2CTB36	2 1/2	1 3/4	4 1/4	4,264	9,4	1,588	3,5	
42	8,715	8,363	2517	C	TL-50-2CTB42	2 1/2	1 3/4	4 1/4	6,078	13,4	1,588	3,5	
48	9,911	9,556	2517	C	TL-50-2CTB48	2 1/2	1 3/4	4 1/4	8,437	18,6	1,588	3,5	
52	10,707	10,351	2517	C	TL-50-2CTB52	2 1/2	1 3/4	4 3/8	10,070	22,2	1,588	3,5	
60	12,301	11,942	2517	C	TL-50-2CTB60	2 1/2	1 3/4	4 3/8	13,744	30,3	1,588	3,5	
68	13,893	13,533	2517	C	TL-50-2CTB68	2 1/2	1 3/4	4 3/8	17,872	39,4	1,588	3,5	
76	15,486	15,124	2517	C	TL-50-2CTB76	2 1/2	1 3/4	4 3/8	18,688	41,2	1,588	3,5	
84	17,079	16,715	2517	C	TL-50-2CTB84	2 1/2	1 3/4	4 3/8	20,548	45,3	1,588	3,5	
95	19,267	18,903	2517	C	TL-50-2CTB95	2 1/2	1 3/4	4 3/8	26,671	58,8	1,588	3,5	
102	20,661	20,295	2517	C	TL-50-2CTB102	2 1/2	1 3/4	4 3/8	30,436	67,1	1,588	3,5	



Type A



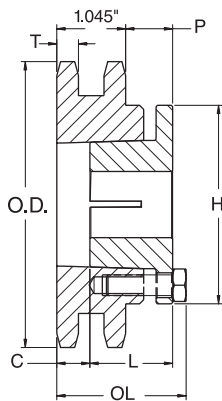
Type B



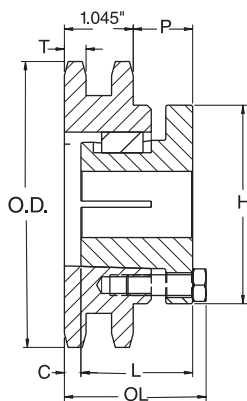
Type C

# NO 50-2 5/8" PITCH DOUBLE. TYPE SPLIT TAPER

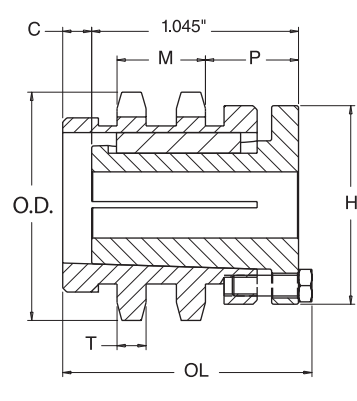
NO TEETH	REFERENCE	BUSHING	DIAMETERS		TYPE	MAX. BORE	DIAMENCIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
14	TL-STD50H14	H	3,110	2,809	11	1-1/2	2-5/16	1-1/4	7/8	2-1/2	1-3/32	0,332	0,907	2,0	0,544	1,2
15	TL-STD50P15	P1	3,320	3,006	16	1-3/4	3-7/16	1-15/16	1-1/4	3	1-13/32	0,332	1,497	3,3	0,907	2,0
16	TL-STD50P16	P1	3,520	3,204	12	1-3/4	2-11/16	1-15/16	1/2	3	1-13/32	0,332	1,315	2,9	0,726	1,6
17	TL-STD50P17	P1	3,720	3,401	12	1-3/4	2-11/16	1-15/16	1/2	3	1-13/32	0,332	1,542	3,4	0,953	2,1
18	TL-STD50P18	P1	3,920	3,599	12	1-3/4	2-11/16	1-15/16	1/2	3	1-13/32	0,332	1,724	3,8	1,134	2,5
19	TL-STD50P19	P1	4,120	3,797	12	1-3/4	2-3/16	1-15/16		3	29/32	0,332	1,497	3,3	0,907	2,0
20	TL-STD50P20	P1	4,320	3,995	12	1-3/4	2-3/16	1-15/16		3	29/32	0,332	1,724	3,8	1,134	2,5
21	TL-STD50P21	P1	4,520	4,194	12	1-3/4	2-3/16	1-15/16		3	29/32	0,332	1,860	4,1	1,270	2,8
22	TL-STD50P22	P1	4,720	4,392	12	1-3/4	2-3/16	1-15/16		3	29/32	0,332	2,041	4,5	1,451	3,2
23	TL-STD50P23	P1	4,920	4,590	12	1-3/4	2-3/16	1-15/16		3	29/32	0,332	2,223	4,9	1,633	3,6
24	TL-STD50Q24	Q1	5,120	4,788	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	3,402	7,5	1,814	4,0
25	TL-STD50Q25	Q1	5,320	4,987	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	3,629	8,0	2,041	4,5
26	TL-STD50Q26	Q1	5,520	5,185	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	3,992	8,8	2,404	5,3
27	TL-STD50Q27	Q1	5,720	5,384	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	4,264	9,4	2,676	5,9
28	TL-STD50Q28	Q1	5,920	5,582	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	4,445	9,8	2,858	6,3
30	TL-STD50Q30	Q1	6,320	5,979	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	4,990	11,0	3,402	7,5
32	TL-STD50Q32	Q1	6,720	6,376	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	5,443	12,0	3,856	8,5
35	TL-STD50Q35	Q1	7,320	6,972	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	6,305	13,9	4,717	10,4
36	TL-STD50Q36	Q1	7,520	7,171	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	6,577	14,5	4,990	11,0
40	TL-STD50Q40	Q1	8,320	7,966	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	7,756	17,1	6,169	13,6
42	TL-STD50Q42	Q1	8,720	8,363	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	8,391	18,5	6,804	15,0
45	TL-STD50Q45	Q1	9,310	8,960	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	9,525	21,0	7,938	17,5
48	TL-STD50Q48	Q1	9,910	9,556	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	10,841	23,9	9,253	20,4
52	TL-STD50Q52	Q1	10,710	10,351	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	12,156	26,8	10,569	23,3
54	TL-STD50Q54	Q1	11,110	10,749	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	12,156	26,8	10,569	23,3
60	TL-STD50Q60	Q1	12,300	11,942	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	13,154	29,0	11,567	25,5
72	TL-STD50Q72	Q1	14,690	14,329	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	21,137	46,6	19,550	43,1
76	TL-STD50Q76	Q1	15,490	15,124	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	22,453	49,5	20,865	46,0
84	TL-STD50Q84	Q1	17,080	16,715	12	2-11/16	2-25/32	2-1/2		4-1/8	1-15/32	0,332	27,306	60,2	25,719	56,7
95	TL-STD50R95	R1	19,270	18,903	12	3-3/4	3-5/32	2-7/8		5-3/8	2-3/32	0,332	36,197	79,8	32,795	72,3
96	TL-STD50R96	R1	19,470	19,102	12	3-3/4	3-5/32	2-7/8		5-3/8	2-3/32	0,332	40,007	88,2	36,605	80,7
102	TL-STD50R102	R1	20,660	20,295	12	3-3/4	3-5/32	2-7/8		5-3/8	2-3/32	0,332	41,730	92,0	38,329	84,5
112	TL-STD50R112	R1	22,65	22,285	12	3-3/4	3-5/32	2-7/8		5-3/8	2-3/32	0,332	45,677	100,7	42,275	93,2



Type 11



Type 12

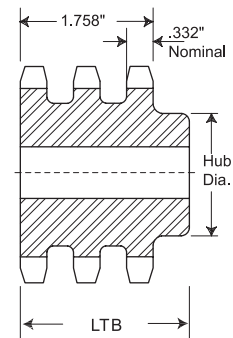


Type 16

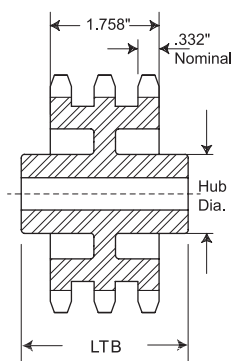
# NO 50-3 5/8" PITCH TRIPLE. TYPE B & C

## Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
11	2,500	B	TL-50-3B11	5/8	15/16	1 15/32	2 1/2	0,644	1,42
12	2,710	B	TL-50-3B12	5/8	1 1/8	1 11/16	2 1/2	0,835	1,84
13	2,910	B	TL-50-3B13	5/8	1 5/16	1 7/8	2 1/2	1,034	2,28
14	3,110	B	TL-50-3B14	5/8	1 3/8	2 1/16	2 1/2	1,234	2,72
15	3,320	B	TL-50-3B15	3/4	1 1/2	2 5/16	2 1/2	1,470	3,24
16	3,520	B	TL-50-3B16	3/4	1 3/4	2 1/2	2 1/2	1,706	3,76
17	3,720	B	TL-50-3B17	3/4	1 7/8	2 11/16	2 1/2	1,987	4,38
18	3,920	B	TL-50-3B18	3/4	1 15/16	2 15/16	2 1/2	2,313	5,10
19	4,120	B	TL-50-3B19	1	2 1/8	3 1/8	2 1/2	2,540	5,60
20	4,320	B	TL-50-3B20	1	2 1/4	3 1/4	2 5/8	2,912	6,42
21	4,520	B	TL-50-3B21	1	2 3/8	3 1/2	2 5/8	3,366	7,42
22	4,720	B	TL-50-3B22	1	2 3/8	3 9/16	2 5/8	3,688	8,13
23	4,920	B	TL-50-3B23	1	2 1/2	3 5/8	2 5/8	4,014	8,85
24	5,120	B	TL-50-3B24	1	2 1/2	3 5/8	2 5/8	4,273	9,42
25	5,320	B	TL-50-3B25	1	2 1/2	3 5/8	2 5/8	4,608	10,16
26	5,520	B	TL-50-3B26	1	2 1/2	3 3/4	2 5/8	4,999	11,02
30	6,320	B	TL-50-3B30	1	2 1/2	3 3/4	2 5/8	6,459	14,24
35	7,320	B	TL-50-3B35	1	2 1/2	3 3/4	2 5/8	9,026	19,90
36	7,520	B	TL-50-3B36	1 3/16	2 3/4	4	2 3/4	9,344	20,60
42	8,720	B	TL-50-3B42	1 3/16	2 3/4	4	2 3/4	12,456	27,46
48	9,910	B	TL-50-3B48	1 3/16	2 3/4	4	3 1/8	16,620	36,64
52	10,710	B	TL-50-3B52	1 3/16	2 3/4	4	3 1/8	19,296	42,54
60	12,300	B	TL-50-3B60	1 5/16	3	4 1/2	3 1/8	25,932	57,17
68	13,890	B	TL-50-3B68	1 5/16	3	4 1/2	3 1/8	33,207	73,21
72	14,690	C	TL-50-3C72	1 5/16	3	4 3/4	3 1/2	25,873	57,04
76	15,490	C	TL-50-3C76	1 5/16	3	4 3/4	3 1/2	27,928	61,57
84	17,080	C	TL-50-3C84	1 5/16	3	4 3/4	3 1/2	28,513	62,86
95	19,270	C	TL-50-3C95	1 5/16	3	4 3/4	3 3/4	34,024	75,01
102	20,660	C	TL-50-3C102	1 5/16	3	4 3/4	3 3/4	39,127	86,26



Type B



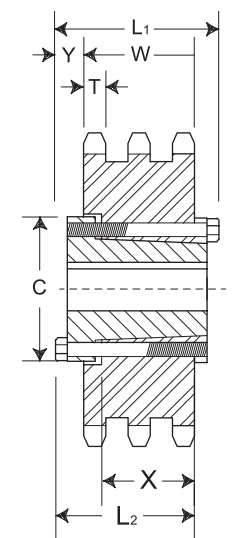
Type C

# NO 50-3 5/8" PITCH TRIPLE. TYPE QD

## Type QD

## Type B

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	V	X	T	W	Kgs	Lbs	Kgs	Lbs	
36	7,520	7,171	SK	TL-50-3SK36	2 5/8	2 1/8	2 1/8	3 7/8	1/8		1 1/4	0,332	1,758	6,713	14,8	5,806	12,8		
42	8,720	8,363	SK	TL-50-3SK42	2 5/8	2 1/8	2 1/8	3 7/8	1/8		1 1/4	0,332	1,758	9,752	21,5	8,845	19,5		
48	9,910	9,556	SK	TL-50-3SK48	2 5/8	2 1/8	2 1/8	3 7/8	1/8		1 1/4	0,332	1,758	13,426	29,6	12,519	27,6		
52	10,710	10,351	SF	TL-50-3SF52	2 15/16	2 1/4	2 1/4	4 5/8	1/4		1 1/4	0,332	1,758	14,334	31,6	12,973	28,6		
60	12,300	11,942	SF	TL-50-3SF60	2 15/16	2 1/4	2 1/4	4 5/8	1/4		1 1/4	0,332	1,758	19,096	42,1	17,735	41,3		
68	13,890	13,533	SF	TL-50-3SF68	2 15/16	2 1/4	2 1/4	4 5/8	1/4		1 1/4	0,332	1,758	24,403	53,8	23,042	45,3		
72	14,690	14,329	SF	TL-50-3SF72	2 15/16	2 1/4	2 1/4	4 5/8	1/4	1/2	1 1/4	0,332	1,758	21,137	46,6	19,777	60,2		
76	15,490	15,124	SF	TL-50-3SF76	2 15/16	2 1/4	2 1/4	4 5/8	1/4	1/2	1 1/4	0,332	1,758	22,634	49,9	21,273	67,3		
84	17,080	16,715	SF	TL-50-3SF84	2 15/16	2 1/4	2 1/4	4 5/8	1/4	1/2	1 1/4	0,332	1,758	24,449	53,9	23,088	72,4		
95	19,270	18,903	SF	TL-50-3SF95	2 15/16	2 1/4	2 1/4	4 5/8	1/4	1/2	1 1/4	0,332	1,758	28,259	62,3	26,898	91,4		
102	20,660	20,295	SF	TL-50-3SF102	2 15/16	2 1/4	2 1/4	4 5/8	1/4	1/2	1 1/4	0,332	1,758	31,434	69,3	30,073	103,2		

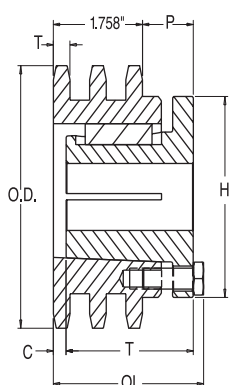


QD - Type B

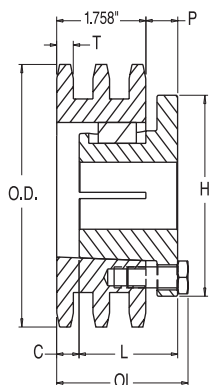


# NO 50-3 5/8" PITCH TRIPLE. TYPE SPLIT TAPER

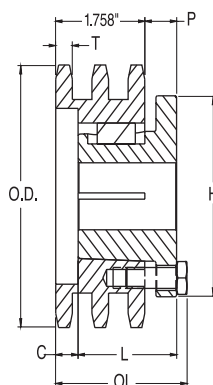
NO TEETH	REFERENCE	BUSHING	DIAMETERS		TYPE	MAX. BORE	DIAMENCIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T(nom)	Kgs	Lbs	Kgs	Lbs
15	TL-STT50P15	P1	3,320	3,006	27	1-3/4	4-1/8	2-15/16	15/16	3	1-3/8	0,332	1,814	4,0	1,134	2,5
16	TL-STT50P16	P1	3,520	3,204	22	1-3/4	3 3/8	2-15/16	3/16	3	1-3/8	0,332	1,769	3,9	1,089	2,4
17	TL-STT50P17	P1	3,720	3,401	22	1-3/4	3 3/8	2-15/16	3/16	3	1-3/8	0,332	1,950	4,3	1,270	2,8
18	TL-STT50P17	P1	3,920	3,599	22	1-3/4	3 3/8	2-15/16	3/16	3	1-3/8	0,332	2,223	4,9	1,542	3,4
19	TL-STT50P17	P1	4,120	3,797	24	1-3/4	2-5/8	1-15/16	7/16	3	5/8	0,332	1,905	4,2	1,315	2,9
20	TL-STT50P20	P1	4,320	3,995	24	1-3/4	2-5/8	1-15/16	7/16	3	5/8	0,332	1,996	4,4	1,406	3,1
21	TL-STT50P21	P1	4,520	4,194	24	1-3/4	2-5/8	1-15/16	7/16	3	5/8	0,332	2,177	4,8	1,588	3,5
23	TL-STT50P23	P1	4,920	4,590	24	1-3/4	2-5/8	1-15/16	7/16	3	5/8	0,332	2,631	5,8	2,041	4,5
24	TL-STT50Q24	Q1	5,120	4,788	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	3,719	8,2	2,132	4,7
25	TL-STT50Q25	Q1	5,320	4,987	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	3,856	8,5	2,268	5,0
26	TL-STT50Q26	Q1	5,520	5,185	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	4,264	9,4	2,676	5,9
28	TL-STT50Q28	Q1	5,920	5,582	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	4,899	10,8	3,311	7,3
30	TL-STT50Q30	Q1	6,320	5,979	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	5,579	12,3	3,992	8,8
32	TL-STT50Q32	Q1	6,720	6,376	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	6,532	14,4	4,944	10,9
35	TL-STT50Q35	Q1	7,320	6,972	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	7,802	17,2	6,214	13,7
36	TL-STT50Q36	Q1	7,520	7,171	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	8,210	18,1	6,622	14,6
40	TL-STT50Q40	Q1	8,320	7,966	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	10,251	22,6	8,664	19,1
42	TL-STT50Q42	Q1	8,720	8,363	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	11,340	25,0	9,752	21,5
48	TL-STT50Q48	Q1	9,910	9,556	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	15,014	33,1	13,426	29,6
52	TL-STT50Q52	Q1	10,710	10,351	23	2-11/16	2-25/32	2-1/2		4-1/8	3/4	0,332	18,098	39,9	16,511	36,4
60	TL-STT50R60	R1	12,300	11,942	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	25,174	55,5	21,772	48,0
68	TL-STT50R68	R1	13,890	13,533	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	32,205	71,0	28,803	63,5
72	TL-STT50R72	R1	14,690	14,329	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	36,061	79,5	32,659	72,0
76	TL-STT50R76	R1	15,490	15,124	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	40,143	88,5	36,741	81,0
84	TL-STT50R84	R1	17,080	16,715	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	48,761	107,5	45,359	100,0
95	TL-STT50R95	R1	19,270	18,903	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	62,369	137,5	58,967	130,0
102	TL-STT50R102	R1	20,660	20,295	22	3-3/4	2-5/32	2-7/8		5-3/8	1-1/8	0,332	71,894	158,5	68,492	151,0



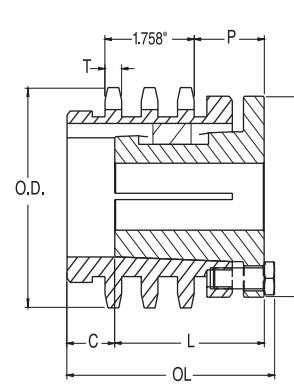
Type 22



Type 23

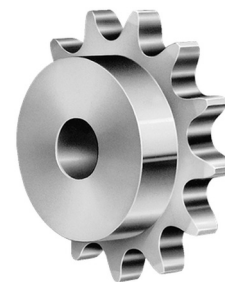


Type 24

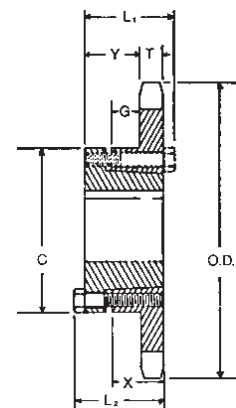


Type 27

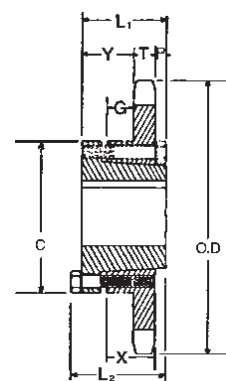
# NO 60 3/4" PITCH TYPE A & B



Type A					Type B							
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
8	2,260					TL-60B8	5/8	5/8	1 15/32	1 1/4	0,245	0,54
9	2,510					TL-60B9	3/4	7/8	1 9/16	1 1/4	0,290	0,64
10	2,760	TL-60A10	3/4	0,200	0,44	TL-60B10	3/4	1 1/8	1 15/16	1 1/4	0,449	0,99
11	3,000	TL-60A11	3/4	0,245	0,54	TL-60B11	3/4	1 5/16	2 1/16	1 1/4	0,526	1,16
12	3,250	TL-60A12	3/4	0,308	0,68	TL-60B12	3/4	1 3/8	2 3/8	1 1/4	0,667	1,47
13	3,490	TL-60A13	3/4	0,363	0,80	TL-60B13	3/4	1 1/2	2 11/32	1 1/4	0,753	1,66
14	3,740	TL-60A14	3/4	0,426	0,94	TL-60B14	3/4	1 3/4	2 9/16	1 1/4	0,907	2,00
15	3,980	TL-60A15	3/4	0,490	1,08	TL-60B15	3/4	1 7/8	2 7/8	1 1/4	1,139	2,51
16	4,220	TL-60A16	3/4	0,562	1,24	TL-60B16	3/4	2	3 1/16	1 1/4	1,275	2,81
17	4,460	TL-60A17	3/4	0,653	1,44	TL-60B17	3/4	2 1/4	3 1/4	1 1/4	1,461	3,22
18	4,700	TL-60A18	3/4	0,735	1,62	TL-60B18	3/4	2 3/8	3 1/2	1 1/4	1,687	3,72
19	4,950	TL-60A19	3/4	0,835	1,84	TL-60B19	3/4	2 3/8	3 1/2	1 1/4	1,778	3,92
20	5,190	TL-60A20	3/4	0,962	2,12	TL-60B20	3/4	2 5/8	3 7/8	1 1/4	2,100	4,63
21	5,430	TL-60A21	3/4	1,034	2,28	TL-60B21	3/4	2 3/4	4	1 1/4	2,268	5,00
22	5,670	TL-60A22	3/4	1,125	2,48	TL-60B22	3/4	2 3/4	4	1 1/4	2,381	5,25
23	5,910	TL-60A23	3/4	1,216	2,68	TL-60B23	3/4	2 3/4	4	1 1/4	2,486	5,48
24	6,150	TL-60A24	23/32	1,361	3,00	TL-60B24	3/4	2 3/4	4	1 1/4	2,622	5,78
25	6,390	TL-60A25	23/32	1,515	3,34	TL-60B25	3/4	2 3/4	4	1 1/4	2,781	6,13
26	6,630	TL-60A26	23/32	1,606	3,54	TL-60B26	3/4	2 3/4	4	1 1/4	2,894	6,38
27	6,870	TL-60A27	23/32	1,796	3,96	TL-60B27	3/4	2 3/4	4	1 1/4	3,048	6,72
28	7,110	TL-60A28	23/32	1,878	4,14	TL-60B28	3/4	2 3/4	4	1 1/4	3,121	6,88
29	7,350	TL-60A29	23/32	1,996	4,40	TL-60B29	3/4	2 3/4	4	1 1/4	3,302	7,28
30	7,590	TL-60A30	23/32	2,168	4,78	TL-60B30	3/4	2 3/4	4	1 1/4	3,438	7,58
31	7,830	TL-60A31	23/32	2,377	5,24	TL-60B31	3/4	2 3/4	4	1 1/4	3,502	7,72
32	8,070	TL-60A32	23/32	2,504	5,52	TL-60B32	3/4	2 3/4	4	1 1/4	3,747	8,26
33	8,300	TL-60A33	15/16	2,658	5,86	TL-60B33	1	2 3/4	4	1 1/4	3,819	8,42
34	8,540	TL-60A34	15/16	2,794	6,16	TL-60B34	1	2 3/4	4	1 1/4	3,992	8,80
35	8,780	TL-60A35	15/16	3,075	6,78	TL-60B35	1	2 3/4	4	1 1/4	4,100	9,04
36	9,020	TL-60A36	15/16	3,093	6,82	TL-60B36	1	2 3/4	4	1 1/4	4,354	9,60
37	9,260	TL-60A37	15/16	3,411	7,52	TL-60B37	1	2 3/4	4	1 1/4	4,645	10,24
38	9,500	TL-60A38	15/16	3,556	7,84	TL-60B38	1	2 3/4	4 1/4	1 1/4	4,917	10,84
39	9,740	TL-60A39	15/16	3,756	8,28	TL-60B39	1	2 3/4	4 1/4	1 1/4	5,153	11,36
40	9,980	TL-60A40	15/16	3,883	8,56	TL-60B40	1	2 3/4	4 1/4	1 1/4	5,216	11,50
41	10,220	TL-60A41	15/16	4,128	9,10	TL-60B41	1	2 3/4	4 1/4	1 1/4	5,507	12,14
42	10,460	TL-60A42	15/16	4,463	9,84	TL-60B42	1	2 3/4	4 1/4	1 1/4	5,779	12,74
43	10,700	TL-60A43	15/16	4,418	9,74	TL-60B43	1	2 3/4	4 1/4	1 1/4	5,897	13,00
44	10,940	TL-60A44	15/16	4,881	10,76	TL-60B44	15/16	2 3/4	4 1/4	1 1/4	6,296	13,88
45	11,180	TL-60A45	15/16	5,026	11,08	TL-60B45	15/16	2 3/4	4 1/4	1 1/4	6,341	13,98
46	11,420	TL-60A46	15/16	5,216	11,50	TL-60B46	15/16	2 3/4	4 1/4	1 1/4	6,622	14,60
47	11,650	TL-60A47	15/16	5,588	12,32	TL-60B47	15/16	2 3/4	4 1/4	1 1/4	6,804	15,00
48	11,890	TL-60A48	15/16	5,634	12,42	TL-60B48	15/16	2 3/4	4 1/4	1 1/4	7,176	15,82
49	12,130	TL-60A49	15/16	5,860	12,92	TL-60B49	15/16	2 3/4	4 1/4	1 1/4	7,212	15,90
50	12,370	TL-60A50	15/16	6,341	13,98	TL-60B50	15/16	2 3/4	4 1/4	1 1/4	8,010	17,66
51	12,610	TL-60A51	15/16	6,613	14,58	TL-60B51	15/16	2 3/4	4 1/4	1 1/4	7,702	16,98
52	12,850	TL-60A52	15/16	6,622	14,60	TL-60B52	15/16	2 3/4	4 1/4	1 1/4	8,133	17,93
53	13,090	TL-60A53	15/16	7,185	15,84	TL-60B53	15/16	2 3/4	4 1/4	1 1/4	8,160	17,99
54	13,330	TL-60A54	15/16	7,221	15,92	TL-60B54	15/16	2 3/4	4 1/4	1 3/4	9,798	21,60
55	13,570	TL-60A55	1 1/4	7,693	16,96	TL-60B55	1 1/4	2 3/4	4 1/4	1 3/4	9,589	21,14
56	13,810	TL-60A56	1 1/4	7,983	17,60	TL-60B56	1 1/4	2 3/4	4 1/4	1 3/4	9,925	21,88
57	14,040	TL-60A57	1 1/4	7,992	17,62	TL-60B57	1 1/4	2 3/4	4 1/4	1 3/4	10,097	22,26
58	14,280	TL-60A58	1 1/4	8,618	19,00	TL-60B58	1 1/4	2 3/4	4 1/4	1 3/4	10,342	22,80
59	14,520	TL-60A59	1 1/4	8,709	19,20	TL-60B59	1 1/4	2 3/4	4 1/4	1 3/4	10,823	23,86
60	14,760	TL-60A60	1 1/4	9,081	20,02	TL-60B60	1 1/4	2 3/4	4 1/4	1 3/4	11,440	25,22



Type A



Type B

NEXT >

**Type A**

**Type B**

NO TEETH	OD (Inch)	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
64	15,720	TL-60A64	1 1/4	10,433	23,00	TL-60B64	1 1/4	2 3/4	4 1/4	1 3/4	12,428	27,40
65	15,960	TL-60A65	1 1/4	10,541	23,24	TL-60B65	1 1/4	2 3/4	4 1/4	1 3/4	13,118	28,92
66		TL-60A66	1 1/4	11,077	24,42							
68	16,670	TL-60A68	1 1/4	11,585	25,54	TL-60B68	1 1/4	2 3/4	4 1/4	1 3/4	13,780	30,38
70	17,150	TL-60A70	1 1/4	12,338	27,20	TL-60B70	1 1/4	2 3/4	4 1/4	1 3/4	14,506	31,98
72	17,630	TL-60A72	1 1/4	13,109	28,90	TL-60B72	1 1/4	2 3/4	4 1/4	2	15,504	34,18
76	18,580	TL-60A76	1 1/4	14,669	32,34	TL-60B76	1 1/4	2 3/4	4 1/4	2	17,264	38,06
80	19,540	TL-60A80	1 1/4	20,638	45,50	TL-60B80	1 1/4	2 3/4	4 1/4	2	18,996	41,88
84	20,490	TL-60A84	1 1/4	18,225	40,18	TL-60B84	1 1/4	3 1/4	4 3/4	2	21,074	46,46
90	21,930	TL-60A90	1 1/4	19,704	43,44	TL-60B90	1 1/4	3 5/16	5	2 1/4	28,667	63,20
96	23,360	TL-60A96	1 1/4	23,596	52,02	TL-60B96	1 1/4	3 3/4	5 1/2	2 1/4	28,613	63,08
112	27,180	TL-60A112	1 1/4	32,114	70,80	TL-60B112	1 1/4	3 3/4	5 1/2	2 1/4	37,095	81,78

**NO 60 3/4" PITCH  
TYPE BS**

NO TEETH	OD (Inch)	REFERENCE	LTB (Inch)	WEIGHT	
				Kgs	Lbs
9	2,510	TL-60BS9	1 1/4	0,272	0,60
10	2,760	TL-60BS10	1 1/4	0,318	0,70
11	3,000	TL-60BS11	1 1/4	0,408	0,90
12	3,250	TL-60BS12	1 1/4	0,408	1,30
13	3,490	TL-60BS13	1 1/4	0,590	1,30
14	3,740	TL-60BS14	1 1/4	0,590	1,60
15	3,980	TL-60BS15	1 1/4	0,726	1,70
16	4,220	TL-60BS16	1 1/4	0,726	2,10
17	4,460	TL-60BS17	1 1/4	0,771	2,40
18	4,700	TL-60BS18	1 1/4	0,953	2,60
19	4,950	TL-60BS19	1 1/4	1,089	3,40
20	5,190	TL-60BS20	1 1/4	1,179	3,90
21	5,430	TL-60BS21	1 1/4	1,542	4,40
22	5,670	TL-60BS22	1 1/4	1,769	4,70
23	5,910	TL-60BS23	1 1/4	1,769	5,00
24	6,150	TL-60BS24	1 1/4	1,996	5,30
25	6,390	TL-60BS25	1 1/4	2,132	5,40
26	6,630	TL-60BS26	1 1/4	2,268	5,80
27	6,870	TL-60BS27	1 1/4	2,404	6,30
28	7,110	TL-60BS28	1 1/4	2,449	6,40
29	7,350	TL-60BS29	1 1/4	2,631	6,90
30	7,590	TL-60BS30	1 1/4	2,858	7,10
31	7,830	TL-60BS31	1 1/4	2,903	7,40
32	8,070	TL-60BS32	1 1/4	3,130	7,80
33	8,300	TL-60BS33	1 1/4	3,221	8,20
34	8,540	TL-60BS34	1 1/4	3,357	8,50
35	8,780	TL-60BS35	1 1/4	3,538	8,80
36	9,020	TL-60BS36	1 1/4	3,719	9,20
37	9,260	TL-60BS37	1 1/4	3,856	9,90

NO TEETH	OD (Inch)	REFERENCE	LTB (Inch)	WEIGHT	
				Kgs	Lbs
38	9,500	TL-60BS38	1 1/4	3,992	10,50
39	9,740	TL-60BS39	1 1/4	4,173	10,90
40	9,980	TL-60BS40	1 1/4	4,491	11,20
41	10,220	TL-60BS41	1 1/4	4,763	11,80
42	10,460	TL-60BS42	1 1/4	4,944	12,40
43	10,700	TL-60BS43	1 1/4	5,080	13,00
44	10,940	TL-60BS44	1 1/4	5,352	13,50
45	11,180	TL-60BS45	1 1/4	5,625	13,80
46	11,420	TL-60BS46	1 1/4	5,897	14,10
47	11,650	TL-60BS47	1 1/4	6,123	14,60
48	11,890	TL-60BS48	1 1/4	6,260	15,40
49	12,130	TL-60BS49	1 1/4	6,396	16,40
50	12,370	TL-60BS50	1 1/4	6,622	17,30
51	12,610	TL-60BS51	1 1/4	6,985	18,30
52	12,850	TL-60BS52	1 1/4	7,439	19,30
53	13,090	TL-60BS53	1 1/4	7,847	20,30
54	13,330	TL-60BS54	1 3/4	8,301	21,00
55	13,570	TL-60BS55	1 3/4	8,754	21,20
56	13,810	TL-60BS56	1 3/4	9,208	21,30
57	14,040	TL-60BS57	1 3/4	9,525	22,20
58	14,280	TL-60BS58	1 3/4	9,616	23,00
59	14,520	TL-60BS59	1 3/4	9,662	23,80
60	14,760	TL-60BS60	1 3/4	10,070	25,00
70	17,150	TL-60BS70	1 3/4	10,433	31,40
72	17,630	TL-60BS72	2	10,795	33,50
80	19,540	TL-60BS80	2	11,340	41,20
84	20,490	TL-60BS84	2	14,243	45,80
96	23,360	TL-60BS96	2 1/4	15,195	62,30
112	27,180	TL-60BS112	2 1/4	18,688	81,00

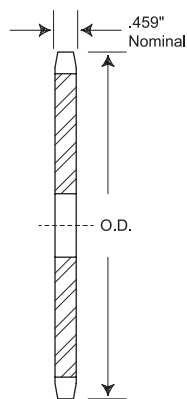


# NO 60 3/4" PITCH STAINLESS STEEL

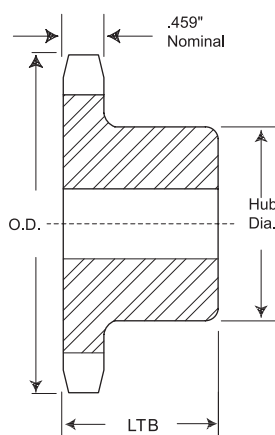
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
8	2,261					TL-60BSS8	5/8	5/8	1 15/32	1 1/4	0,245	0,54
9	2,511					TL-60BSS9	3/4	7/8	1 9/16	1 1/4	0,290	0,64
10	2,759					TL-60BSS10	3/4	1 1/8	1 15/16	1 1/4	0,449	0,99
11	3,005					TL-60BSS11	3/4	1 5/16	2 1/16	1 1/4	0,526	1,16
12	3,249					TL-60BSS12	3/4	1 3/8	2 3/8	1 1/4	0,680	1,50
13	3,493					TL-60BSS13	3/4	1 1/2	2 11/32	1 1/4	0,776	1,71
14	3,736	TL-60ASS14	3/4	0,363	0,80	TL-60BSS14	3/4	1 3/4	2 9/16	1 1/4	0,930	2,05
15	3,978	TL-60ASS15	3/4	0,426	0,94	TL-60BSS15	3/4	1 7/8	2 7/8	1 1/4	1,139	2,51
16	4,220	TL-60ASS16	3/4	0,490	1,08	TL-60BSS16	3/4	2	3 1/16	1 1/4	1,306	2,88
17	4,462	TL-60ASS17	3/4	0,562	1,24	TL-60BSS17	3/4	2 1/4	3 1/4	1 1/4	1,483	3,27
18	4,703	TL-60ASS18	3/4	0,653	1,44	TL-60BSS18	3/4	2 3/8	3 1/2	1 1/4	1,710	3,77
19	4,945	TL-60ASS19	3/4	0,735	1,62	TL-60BSS19	3/4	2 3/8	3 1/2	1 1/4	1,805	3,98
20	5,186	TL-60ASS20	3/4	0,835	1,84	TL-60BSS20	3/4	2 3/8	3 7/8	1 1/4	2,127	4,69
21	5,426	TL-60ASS21	3/4	1,061	2,34	TL-60BSS21	3/4	2 3/4	4	1 1/4	2,313	5,10
22	5,666	TL-60ASS22	3/4	1,161	2,56	TL-60BSS22	3/4	2 3/4	4	1 1/4	2,422	5,34
23	5,907	TL-60ASS23	3/4	1,275	2,81	TL-60BSS23	3/4	2 3/4	4	1 1/4	2,536	5,59
24	6,147	TL-60ASS24	23/32	1,397	3,08	TL-60BSS24	3/4	2 3/4	4	1 1/4	2,536	5,59
25	6,387	TL-60ASS25	23/32	1,520	3,35	TL-60BSS25	3/4	2 3/4	4	1 1/4	2,781	6,13
26	6,627	TL-60ASS26	23/32	1,665	3,67	TL-60BSS26	3/4	2 3/4	4	1 1/4	2,912	6,42
28	7,110	TL-60ASS28	23/32	1,941	4,28	TL-60BSS28	3/4	2 3/4	4	1 1/4	3,189	7,03
30	7,586	TL-60ASS30	23/32	2,241	4,94	TL-60BSS30	3/4	2 3/4	4	1 1/4	3,488	7,69
32	8,065	TL-60ASS32	23/32	2,504	5,52	TL-60BSS32	3/4	2 3/4	4	1 1/4	2,386	5,26
35	8,783	TL-60ASS35	15/16	3,057	6,74	TL-60BSS35	1	2 3/4	4	1 1/4	4,268	9,41
36	9,023	TL-60ASS36	15/16	3,093	6,82	TL-60BSS36	1	2 3/4	4	1 1/4	4,354	9,60
40	9,980	TL-60ASS40	15/16	4,028	8,88	TL-60BSS40	1	2 3/4	4 1/4	1 1/4	5,402	11,91
45	11,180	TL-60ASS45	15/16	5,126	11,30	TL-60BSS45	1	2 3/4	4 1/4	1 1/4	6,505	14,34
60	14,760	TL-60ASS60	1 1/4	9,108	20,08	TL-60BSS60	1 1/4	2 3/4	4 1/4	1 3/4	11,362	25,05



Type A



Type B

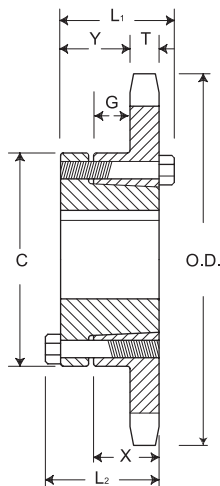


# NO 60 3/4" PITCH TYPE QD

## Type QD

## Type B

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS							WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	G	X	T	Kgs	Lbs	Kgs
11	3,000	2,662	JA	TL-60JA11	1 1/4	1 1/8	1 1/8	2 1/16	35/64	11/64	5/8	0,459	0,617	1,36	0,209	0,46
12	3,250	2,898	JA	TL-60JA12	1 1/4	1 1/8	1 1/8	2 1/16	35/64	11/64	5/8	0,459	0,680	1,50	0,272	0,60
13	3,490	3,134	JA	TL-60JA13	1 1/4	1 1/8	1 1/8	2 1/16	35/64	11/64	5/8	0,459	0,753	1,66	0,345	0,76
14	3,740	3,371	SH	TL-60SH14	1 5/8	1 7/16	1 7/16	2 11/16	51/64	23/64	13/16	0,459	0,853	1,88	0,399	0,88
15	3,980	3,607	SH	TL-60SH15	1 5/8	1 7/16	1 7/16	2 11/16	51/64	23/64	13/16	0,459	0,943	2,08	0,490	1,08
16	4,220	3,844	SH	TL-60SH16	1 5/8	1 7/16	1 7/16	2 11/16	51/64	23/64	13/16	0,459	1,025	2,26	0,572	1,26
17	4,460	4,082	SDS	TL-60SDS17	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,080	2,38	0,626	1,38
18	4,700	4,319	SDS	TL-60SDS18	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,161	2,56	0,708	1,56
19	4,950	4,557	SDS	TL-60SDS19	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,252	2,76	0,798	1,76
20	5,190	4,794	SDS	TL-60SDS20	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,361	3,00	0,907	2,00
21	5,430	5,032	SDS	TL-60SDS21	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,451	3,20	0,998	2,20
22	5,670	5,270	SDS	TL-60SDS22	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,560	3,44	1,107	2,44
23	5,910	5,508	SDS	TL-60SDS23	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,678	3,70	1,225	2,70
24	6,150	5,746	SDS	TL-60SDS24	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,787	3,94	1,334	2,94
25	6,390	5,984	SDS	TL-60SDS25	2	1 1/2	1 1/2	3 3/16	55/64	19/64	3/4	0,459	1,923	4,24	1,470	3,24
26	6,630	6,222	SK	TL-60SK26	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	2,803	6,18	1,896	4,18
27	6,870	6,460	SK	TL-60SK27	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	2,957	6,52	2,050	4,52
28	7,110	6,699	SK	TL-60SK28	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	3,048	6,72	2,141	4,72
30	7,590	7,175	SK	TL-60SK30	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	3,329	7,34	2,422	5,34
32	8,070	7,652	SK	TL-60SK32	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	3,674	8,10	2,767	6,10
35	8,780	8,367	SK	TL-60SK35	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	4,273	9,42	3,366	7,42
36	9,020	8,605	SK	TL-60SK36	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	4,400	9,70	3,493	7,70
40	9,980	9,559	SK	TL-60SK40	2 5/8	2 1/8	2 1/8	3 7/8	1 27/64	51/64	1 1/4	0,459	5,244	11,56	4,336	9,56
42	10,460	10,036	SF	TL-60SF42	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	6,251	13,78	4,890	10,78
45	11,180	10,752	SF	TL-60SF45	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	6,985	15,40	5,625	12,40
48	11,890	11,467	SF	TL-60SF48	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	7,829	17,26	6,468	14,26
54	13,330	12,899	SF	TL-60SF54	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	9,081	20,02	7,720	17,02
60	14,760	14,331	SF	TL-60SF60	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	10,777	23,76	9,417	20,76
70	17,150	16,717	SF	TL-60SF70	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	14,334	31,60	12,973	28,60
72	17,630	17,194	SF	TL-60SF72	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	14,778	32,58	13,417	29,58
80	19,540	19,103	SF	TL-60SF80	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	18,706	41,24	17,345	38,24
84	20,490	20,058	SF	TL-60SF84	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	19,931	43,94	18,570	40,94
96	23,360	22,922	SF	TL-60SF96	2 15/16	2 1/4	2 1/4	4 5/8	1 35/64	51/64	1 1/4	0,459	25,129	55,40	23,768	52,40
112	27,180	26,742	E	TL-60E112	3 1/2	2 5/8	2 15/16	6	2 3/16	1 11/64	1 5/8	0,459	37,993	83,76	33,457	73,76

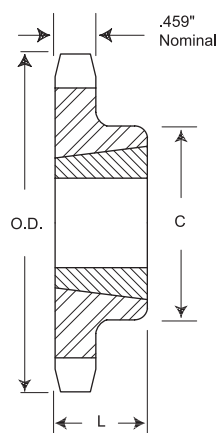


# NO 60 3/4" PITCH TYPE TAPER BUSH

## Taper Bushed

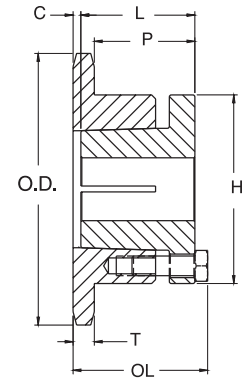
## Type B

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
11	3,004	2,662	1008	TL-60BTB11	1	7/8	1 13/16	0,272	0,6	0,136	0,3
12	3,249	2,898	1008	TL-60BTB12	1	7/8	1 15/16	0,363	0,8	0,136	0,3
13	3,493	3,134	1210	TL-60BTB13	1 1/4	1	2 15/32	0,363	0,8	0,272	0,6
14	3,736	3,371	1210	TL-60BTB14	1 1/4	1	2 19/32	0,454	1,0	0,272	0,6
15	3,979	3,607	1610	TL-60BTB15	1 5/8	1	2 25/32	0,454	1,0	0,408	0,9
16	4,221	3,844	1610	TL-60BTB16	1 5/8	1	3	0,635	1,4	0,408	0,9
17	4,462	4,082	1610	TL-60BTB17	1 5/8	1	3 1/4	0,816	1,8	0,408	0,9
18	4,704	4,319	1610	TL-60BTB18	1 5/8	1	3 1/2	0,862	1,9	0,408	0,9
19	4,945	4,557	1610	TL-60BTB19	1 5/8	1	3 1/2	0,998	2,2	0,408	0,9
20	5,185	4,794	2012	TL-60BTB20	2	1 1/4	3 15/16	0,998	2,2	0,771	1,7
21	5,426	5,032	2012	TL-60BTB21	2	1 1/4	4	1,134	2,5	0,771	1,7
22	5,666	5,270	2012	TL-60BTB22	2	1 1/4	4	1,270	2,8	0,771	1,7
23	5,907	5,508	2012	TL-60BTB23	2	1 1/4	4	1,406	3,1	0,771	1,7
24	6,147	5,746	2012	TL-60BTB24	2	1 1/4	3 9/16	1,542	3,4	0,771	1,7
25	6,387	5,984	2012	TL-60BTB25	2	1 1/4	3 9/16	1,678	3,7	0,771	1,7
26	6,627	6,222	2012	TL-60BTB26	2	1 1/4	3 9/16	1,814	4,0	0,771	1,7
27	6,867	6,416	2012	TL-60BTB27	2	1 1/4	3 9/16	1,905	4,2	0,771	1,7
28	7,107	6,699	2012	TL-60BTB28	2	1 1/4	3 9/16	2,087	4,6	0,771	1,7
30	7,586	7,175	2012	TL-60BTB30	2	1 1/4	3 9/16	2,359	5,2	0,771	1,7
32	8,065	7,652	2012	TL-60BTB32	2	1 1/4	3 9/16	2,540	5,6	0,771	1,7
35	8,783	8,367	2012	TL-60BTB35	2	1 1/4	3 9/16	2,903	6,4	0,771	1,7
36	9,022	8,605	2012	TL-60BTB36	2	1 1/4	3 9/16	2,994	6,6	0,771	1,7
40	9,980	9,559	2012	TL-60BTB40	2	1 1/4	3 9/16	3,765	8,3	0,771	1,7
42	10,458	10,036	2012	TL-60BTB42	2	1 1/4	3 9/16	4,536	10,0	0,771	1,7
45	11,175	10,752	2012	TL-60BTB45	2	1 1/4	3 9/16	5,216	11,5	0,771	1,7
48	11,893	11,467	2012	TL-60BTB48	2	1 1/4	3 9/16	5,987	13,2	0,771	1,7
54	13,327	12,899	2517	TL-60BTB54	2 1/2	1 3/4	4 1/4	7,756	17,1	1,588	3,5
60	14,761	14,330	2517	TL-60BTB60	2 1/2	1 3/4	4 1/4	9,525	21,0	1,588	3,5
70	17,150	16,717	2517	TL-60BTB70	2 1/2	1 3/4	4 1/4	12,519	27,6	1,588	3,5
72	17,628	17,194	2517	TL-60BTB72	2 1/2	1 3/4	4 1/4	13,608	30,0	1,588	3,5
80	19,539	19,103	2517	TL-60BTB80	2 1/2	1 3/4	4 1/4	16,465	36,3	1,588	3,5
84	20,494	20,058	2517	TL-60BTB84	2 1/2	1 3/4	4 1/4	18,416	40,6	1,588	3,5

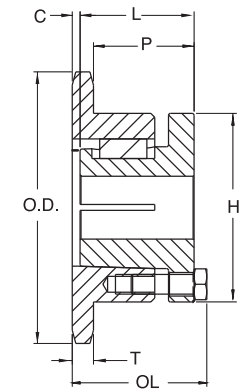


# NO 60 3/4" PITCH TYPE SPLIT TAPER

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T(nom)	Kgs	Lbs	Kgs	Lbs
11	TL-ST60H11	H	3,000	2,662	3	1-1/2	1-13/16	1-1/4	3/8	2-1/2	1-5/32	0,459	0,680	1,5	0,318	0,7
12	TL-ST60H12	H	3,250	2,898	3	1-1/2	1-3/4	1-1/4	5/16	2-1/2	1-3/32	0,459	0,726	1,6	0,363	0,8
13	TL-ST60H13	H	3,490	3,134	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	0,726	1,6	0,363	0,8
13	TL-ST60P13	P1	3,490	3,134	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,134	2,5	0,544	1,2
14	TL-ST60H14	H	3,740	3,371	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	0,862	1,9	0,499	1,1
14	TL-ST60P14	P1	3,740	3,371	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,225	2,7	0,635	1,4
15	TL-ST60H15	H	3,980	3,607	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	0,998	2,2	0,635	1,4
15	TL-ST60P15	P1	3,980	3,607	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,361	3,0	0,771	1,7
16	TL-ST60H16	H	4,220	3,844	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	0,953	2,1	0,590	1,3
16	TL-ST60P16	P1	4,220	3,844	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,406	3,1	0,816	1,8
17	TL-ST60H17	H	4,460	4,082	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	1,043	2,3	0,680	1,5
17	TL-ST60P17	P1	4,460	4,082	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,542	3,4	0,953	2,1
18	TL-ST60H18	H	4,700	4,319	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	1,134	2,5	0,771	1,7
18	TL-ST60P18	P1	4,700	4,319	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,588	3,5	0,998	2,2
19	TL-ST60H19	H	4,950	4,557	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	1,225	2,7	0,862	1,9
19	TL-ST60P19	P1	4,950	4,557	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,724	3,8	1,134	2,5
20	TL-ST60H20	H	5,190	4,794	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	1,315	2,9	0,953	2,1
20	TL-ST60P20	P1	5,190	4,794	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,996	4,4	1,406	3,1
20	TL-ST60Q20	Q1	5,190	4,794	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	3,175	7,0	1,588	3,5
21	TL-ST60P21	P1	5,430	5,032	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	1,905	4,2	1,315	2,9
21	TL-ST60Q21	Q1	5,430	5,032	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	3,221	7,1	1,633	3,6
22	TL-ST60H22	H	5,670	5,270	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	1,542	3,4	1,179	2,6
22	TL-ST60P22	P1	5,670	5,270	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,041	4,5	1,451	3,2
22	TL-ST60Q22	Q1	5,670	5,270	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	3,402	7,5	1,814	4,0
23	TL-ST60P23	P1	5,910	5,508	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,177	4,8	1,588	3,5
23	TL-ST60Q23	Q1	5,910	5,508	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	3,447	7,6	1,860	4,1
24	TL-ST60H24	H	6,150	5,746	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	27/32	0,459	1,724	3,8	1,361	3,0
24	TL-ST60P24	P1	6,150	5,746	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,313	5,1	1,724	3,8
24	TL-ST60Q24	Q1	6,150	5,746	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	3,629	8,0	2,041	4,5
25	TL-ST60P25	P1	6,390	5,984	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,449	5,4	1,860	4,1
25	TL-ST60Q25	Q1	6,390	5,984	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	4,264	9,4	2,676	5,9
26	TL-ST60P26	P1	6,630	6,222	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,540	5,6	1,950	4,3
26	TL-ST60Q26	Q1	6,630	6,222	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	4,445	9,8	2,858	6,3
27	TL-ST60P27	P1	6,870	6,460	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,631	5,8	2,041	4,5
27	TL-ST60Q27	Q1	6,870	6,460	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	4,491	9,9	2,903	6,4
28	TL-ST60P28	P1	7,110	6,699	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	2,812	6,2	2,223	4,9
28	TL-ST60Q28	Q1	7,110	6,699	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	4,717	10,4	3,130	6,9
29	TL-ST60Q29	Q1	7,350	6,937	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	4,899	10,8	3,311	7,3
30	TL-ST60P30	P1	7,590	7,175	4	1-3/4	2-3/16	1-15/16		3	1-15/32	0,459	3,130	6,9	2,540	5,6
30	TL-ST60Q30	Q1	7,590	7,175	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	5,035	11,1	3,447	7,6
31	TL-ST60Q31	Q1	7,830	7,413	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	5,126	11,3	3,538	7,8
32	TL-ST60Q32	Q1	8,070	7,652	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	5,352	11,8	3,765	8,3
33	TL-ST60Q33	Q1	8,300	7,890	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	5,534	12,2	3,946	8,7
34	TL-ST60Q34	Q1	8,540	8,129	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	5,715	12,6	4,128	9,1
35	TL-ST60Q35	Q1	8,780	8,367	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	5,81	12,8	4,218	9,3
36	TL-ST60Q36	Q1	9,020	8,605	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	6,078	13,4	4,491	9,9
37	TL-ST60Q37	Q1	9,260	8,844	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	6,260	13,8	4,672	10,3
38	TL-ST60Q38	Q1	9,500	9,082	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	6,396	14,1	4,808	10,6
39	TL-ST60Q39	Q1	9,740	9,321	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	6,622	14,6	5,035	11,1
40	TL-ST60Q40	Q1	9,980	9,559	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	6,849	15,1	5,262	11,6
41	TL-ST60Q41	Q1	10,220	9,798	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	6,985	15,4	5,398	11,9
42	TL-ST60Q42	Q1	10,460	10,036	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	7,303	16,1	5,715	12,6
44	TL-ST60Q44	Q1	10,940	10,513	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	7,666	16,9	6,078	13,4



Type 3



Type 4

NEXT >

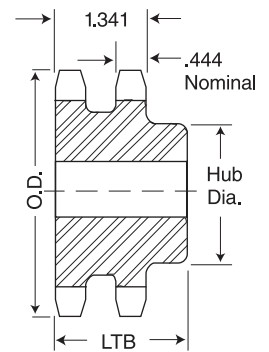


NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
45	TL-ST60Q45	Q1	11,180	10,752	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	7,893	17,4	6,305	13,9
47	TL-ST60Q47	Q1	11,650	11,229	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	8,981	19,8	7,394	16,3
48	TL-ST60Q48	Q1	11,890	11,467	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	9,026	19,9	7,439	16,4
50	TL-ST60Q50	Q1	12,370	11,945	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	9,253	20,4	7,666	16,9
54	TL-ST60Q54	Q1	13,330	12,899	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	10,478	23,1	8,890	19,6
56	TL-ST60Q56	Q1	13,810	13,376	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	10,795	23,8	9,208	20,3
60	TL-ST60Q60	Q1	14,760	14,331	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	11,975	26,4	10,387	22,9
70	TL-ST60Q70	Q1	17,150	16,717	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	15,604	34,4	14,016	30,9
70	TL-ST60R70	R1	17,150	16,717	4	3-3/4	3-5/32	2-7/8		5-3/8	2-13/32	0,459	17,826	39,3	14,424	31,8
72	TL-ST60Q72	Q1	17,630	17,194	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	16,057	35,4	14,470	31,9
72	TL-ST60R72	R1	17,630	17,194	4	3-3/4	3-5/32	2-7/8		5-3/8	2-13/32	0,459	18,869	41,6	15,467	34,1
80	TL-ST60Q80	Q1	19,540	19,103	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	19,323	42,6	17,735	39,1
80	TL-ST60R80	R1	19,540	19,103	4	3-3/4	3-5/32	2-7/8		5-3/8	2-13/32	0,459	22,226	49,0	18,824	41,5
84	TL-ST60Q84	Q1	20,490	20,058	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	20,457	45,1	18,869	41,6
84	TL-ST60R84	R1	20,490	20,058	4	3-3/4	3-5/32	2-7/8		5-3/8	2-13/32	0,459	23,723	52,3	20,321	44,8
96	TL-ST60Q96	Q1	23,360	22,922	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	26,082	57,5	24,494	54,0
96	TL-ST60R96	R1	23,360	22,922	4	3-3/4	3-5/32	2-7/8		5-3/8	2-13/32	0,459	28,803	63,5	25,401	56,0
112	TL-ST60Q112	Q1	27,180	26,742	4	2-11/16	2-25/32	2-1/2		4-1/8	2-1/32	0,459	34,700	76,5	33,112	73,0
112	TL-ST60R112	R1	27,180	26,742	4	3-3/4	3-5/32	2-7/8		5-3/8	2-13/32	0,459	37,195	82,0	33,793	74,5

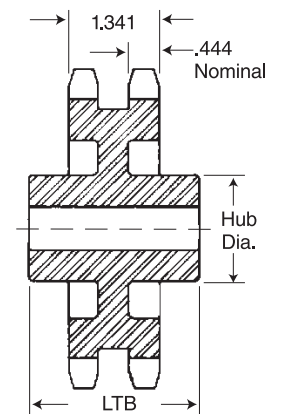
## NO 60-2 3/4" PITCH DOUBLE. TYPE B & C

### Type B, C

NO TEETH	OD Inch	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
			Std	Max	Diameter	LTB	Kgs	Lbs
11	3,000	TL-60-2B11	1	1 1/4	1 13/16	2 1/8	0,735	1,62
12	3,250	TL-60-2B12	1	1 7/16	2 1/8	2 1/8	0,998	2,20
13	3,490	TL-60-2B13	1	1 1/2	2 1/4	2 1/8	1,179	2,60
14	3,740	TL-60-2B14	1	1 3/4	2 1/2	2 1/8	1,470	3,24
15	3,980	TL-60-2B15	1	1 7/8	2 13/16	2 1/8	1,796	3,96
16	4,220	TL-60-2B16	1	2	3	2 1/8	2,096	4,62
17	4,460	TL-60-2B17	1	2 1/4	3 1/4	2 1/8	2,449	5,40
18	4,700	TL-60-2B18	1	2 3/8	3 1/2	2 1/8	2,830	6,24
19	4,950	TL-60-2B19	1	2 1/2	3 11/16	2 1/8	3,175	7,00
20	5,190	TL-60-2B20	1	2 1/2	3 3/4	2 1/8	3,502	7,72
21	5,430	TL-60-2B21	1	2 3/4	4 1/8	2 1/8	4,001	8,82
22	5,670	TL-60-2B22	1	2 3/4	4 1/4	2 1/8	4,391	9,68
23	5,910	TL-60-2B23	1	2 3/4	4 1/4	2 1/8	4,672	10,30
24	6,150	TL-60-2B24	1	2 3/4	4 1/4	2 1/8	5,053	11,14
25	6,390	TL-60-2B25	1	2 3/4	4 1/4	2 1/8	5,425	11,96
26	6,630	TL-60-2B26	1	2 3/4	4 1/4	2 1/8	5,761	12,70
30	7,590	TL-60-2B30	1	2 3/4	4 1/4	2 1/8	7,421	16,36
32	8,070	TL-60-2B32	1 1/4	3	4 1/2	2 3/8	8,854	19,52
35	8,780	TL-60-2B35	1 1/4	3	4 1/2	2 3/8	10,342	22,80
36	9,020	TL-60-2B36	1 1/4	3	4 1/2	2 3/8	10,805	23,82
40	9,980	TL-60-2B40	1 1/4	3 1/4	4 3/4	2 3/4	13,989	30,84
42	10,460	TL-60-2B42	1 1/4	3 1/4	4 3/4	2 3/4	15,005	33,08
45	11,180	TL-60-2B45	1 1/4	3 1/4	4 3/4	2 3/4	16,819	37,08
52	12,850	TL-60-2B52	1 1/4	3 1/4	4 3/4	2 3/4	22,090	48,70
60	14,760	TL-60-2B60	1 1/4	3 1/4	4 3/4	2 3/4	28,622	63,10
68	16,670	TL-60-2C68	1 1/4	3 5/16	5	3	24,349	53,68
72	17,630	TL-60-2C72	1 1/4	3 5/16	5	3	24,376	53,74
76	18,580	TL-60-2C76	1 1/4	3 5/16	5	3	27,343	60,28
95	23,120	TL-60-2C95	1 1/4	3 3/4	5 1/2	3 1/2	39,526	87,14



Type B



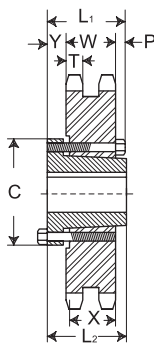
Type C



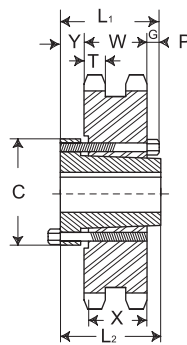
# NO 60-2 3/4" PITCH DOUBLE. TYPE QD

## Type QD

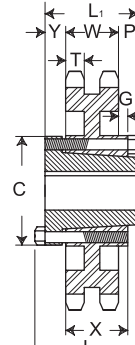
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	X	T	W	Kgs	Lbs	Kgs	Lbs
14	3,740	3,371	SH	B	TL-60-2SH14	1 5/8	1 31/32	1 31/32	2 11/16	1/2					0,444	1,341	1,134	2,5	0,680	1,5
22	5,670	5,270	SDS	B	TL-60-2SDS22	2	1 17/32	1 15/32	3 3/16					3/4	0,444	1,341	2,468	5,44	2,014	4,44
36	9,020	8,605	SF	C1	TL-60-2SF36	2 15/16	2	2 1/4	4 5/8	3/4				1 1/4	0,444	1,341	8,736	19,26	7,375	16,26
42	10,460	10,036	E	C2	TL-60-2E42	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	15,440	34,04	10,904	24,04	
45	11,180	10,752	E	C2	TL-60-2E45	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	17,354	38,26	12,864	28,36	
52	12,850	12,422	E	C2	TL-60-2E52	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	22,462	49,52	17,926	39,52	
60	14,760	14,331	E	C2	TL-60-2E60	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	28,753	63,39	24,376	53,74	
68	16,670	16,240	E	C4	TL-60-2E68	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	24,639	54,32	20,103	44,32	
76	18,580	18,149	E	C4	TL-60-2E76	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	27,887	61,48	23,351	51,48	
95	23,120	22,683	E	C4	TL-60-2E95	3 1/2	2 5/8	2 15/16	6	7/8	13/32	9/32	1 5/8	0,444	1,341	37,630	82,96	33,094	72,96	



QD - Type C1



QD - Type C2



QD - Type C4

# NO 60-2 3/4" PITCH DOUBLE. TYPE TAPER BUSH

## Type Bushed

## Type A, B, C

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs
13	3,493	3,134	1215	B	TL-60-2BTB13	1 1/4	1 1/2	2 1/4	0,544	1,20	0,726	1,60	
14	3,736	3,371	1215	B	TL-60-2BTB14	1 1/4	1 1/2	2 1/2	0,726	1,60	0,771	1,70	
15	3,979	3,607	1615	B	TL-60-2BTB15	1 5/8	1 1/2	2 13/16	0,590	1,30	0,816	1,80	
16	4,221	3,844	1615	B	TL-60-2BTB16	1 5/8	1 1/2	3	0,998	2,20	1,043	2,30	
17	4,462	4,082	1615	B	TL-60-2BTB17	1 5/8	1 1/2	3 1/4	1,134	2,50	1,270	2,80	
18	4,704	4,319	2012	A	TL-60-2BTB18	2	1 1/4		1,361	3,00	1,089	2,40	
19	4,945	4,557	2012	A	TL-60-2BTB19	2	1 3/4		1,588	3,50	1,315	2,90	
20	5,185	4,794	2517	B	TL-60-2BTB20	2 1/2	1 3/4	3 61/64	1,814	4,00	1,315	2,90	
21	5,426	5,032	2517	B	TL-60-2BTB21	2 1/2	1 3/4	4 3/16	2,268	5,00	1,724	3,80	
25	6,387	4,984	2517	B	TL-60-2BTB25	2 1/2	1 3/4	5 5/32	3,402	7,50	3,357	7,40	
30	7,586	7,175	2517	B	TL-60-2BTB30	2 1/2	1 3/4	6 11/32	6,123	13,50	6,033	13,30	

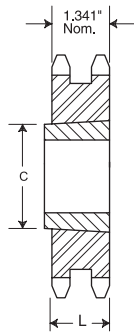


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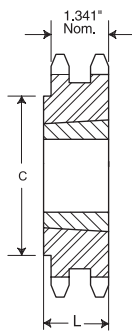
**Type Bushed**

**Type A, B, C**

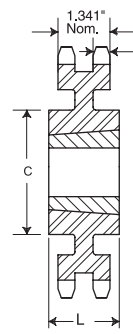
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs
36	9,022	8,605	2517	C1	TL-60-2CTB36	2 1/2	1 3/4	4 1/4	7,938	17,50	7,893	17,40	
42	10,458	10,036	2517	C1	TL-60-2CTB42	2 1/2	1 3/4	4 1/4	11,567	25,50	11,340	25,00	
45	11,118	10,752	2517	C1	TL-60-2CTB45	2 1/2	1 3/4	4 1/4	13,381	29,50	13,290	29,30	
52	12,849	12,422	2517	C	TL-60-2CTB52	2 1/2	1 3/4	4 1/4	18,597	41,00	18,280	40,30	
60	14,761	14,33	2517	C	TL-60-2CTB60	2 1/2	1 3/4	4 1/4	14,742	32,50	15,195	33,50	
68	16,672	16,24	2517	C	TL-60-2CTB68	2 1/2	1 3/4	4 1/2	16,556	36,50	19,595	43,20	
76	18,583	18,149	3020	C	TL-60-2CTB76	3	2	5 1/4	19,278	42,50	21,682	47,80	
95	23,121	22,684	3020	C	TL-60-2CTB95	3	2	5 1/4	22,000	48,50	31,661	69,80	



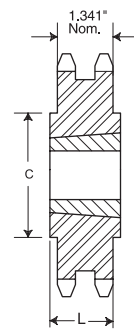
**Type A**



**Type B**



**Type C1**



**Type C**

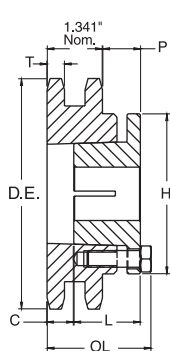
**NO 60-2 3/4" PITCH DOUBLE. TYPE SPLIT TAPER**

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
13	TL-STD60P13	P1	3,490	3,134	16	1-3/4	3-13/16	1-15/16	1 5/8	3	1-13/32	0,444	1,724	3,8	1,134	2,5
14	TL-STD60P14	P1	3,740	3,371	12	1-3/4	3	1-15/16	13/16	3	1-13/32	0,444	1,633	3,6	1,043	2,3
15	TL-STD60P15	P1	3,980	3,607	12	1-3/4	3	1-15/16	13/16	3	1-13/32	0,444	1,814	4,0	1,225	2,7
16	TL-STD60P16	P1	4,220	3,844	13	1-3/4	2-7/32	1-15/16	1/32	3	5/8	0,444	1,678	3,7	1,089	2,4
17	TL-STD60P17	P1	4,460	4,082	13	1-3/4	2-7/32	1-15/16	1/32	3	5/8	0,444	1,860	4,1	1,270	2,8
18	TL-STD60P18	P1	4,700	4,319	13	1-3/4	2-7/32	1-15/16	1/32	3	5/8	0,444	2,132	4,7	1,542	3,4
19	TL-STD60P19	P1	4,950	4,557	13	1-3/4	2-7/32	1-15/16	1/32	3	5/8	0,444	2,404	5,3	1,814	4,0
20	TL-STD60P20	P1	5,190	4,794	13	1-3/4	2-7/32	1-15/16	1/32	3	5/8	0,444	2,722	6,0	2,132	4,7
21	TL-STD60Q21	Q1	5,430	5,032	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	3,765	8,3	2,177	4,8
22	TL-STD60Q22	Q1	5,670	5,270	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	4,128	9,1	2,540	5,6
23	TL-STD60Q23	Q1	5,910	5,508	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	4,445	9,8	2,858	6,3
24	TL-STD60Q24	Q1	6,150	5,746	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	4,763	10,5	3,175	7,0
25	TL-STD60Q25	Q1	6,390	5,984	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	5,171	11,4	3,583	7,9
26	TL-STD60Q26	Q1	6,630	6,222	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	5,579	12,3	3,992	8,8
27	TL-STD60Q27	Q1	6,870	6,460	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	5,942	13,1	4,354	9,6
28	TL-STD60Q28	Q1	7,110	6,699	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	6,350	14,0	4,763	10,5
30	TL-STD60Q30	Q1	7,590	7,175	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	7,167	15,8	5,579	12,3
32	TL-STD60Q32	Q1	8,070	7,652	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	8,074	17,8	6,486	14,3
35	TL-STD60Q35	Q1	8,780	8,367	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	9,616	21,2	8,029	17,7
36	TL-STD60Q36	Q1	9,020	8,605	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	9,934	21,9	8,346	18,4
40	TL-STD60Q40	Q1	9,980	9,559	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	12,428	27,4	10,841	23,9
42	TL-STD60Q42	Q1	10,460	10,036	12	2-11/16	2-25/32	2-1/2	0	4-1/8	1-5/32	0,444	13,517	29,8	11,929	26,3

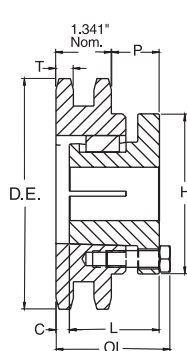
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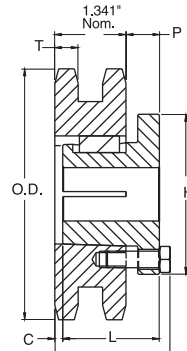
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
42	TL-STD60R42	R1	10,460	10,036	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	15,059	33,2	11,657	25,7
45	TL-STD60R45	R1	11,180	10,752	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	17,100	37,7	13,698	30,2
48	TL-STD60R48	R1	11,890	11,467	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	19,323	42,6	15,921	35,1
52	TL-STD60R52	R1	12,850	12,422	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	22,362	49,3	18,960	41,8
54	TL-STD60R54	R1	13,330	12,899	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	23,859	52,6	20,457	45,1
60	TL-STD60R60	R1	14,760	14,331	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	28,259	62,3	24,857	54,8
68	TL-STD60R68	R1	16,670	16,240	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	36,877	81,3	33,475	73,8
72	TL-STD60R72	R1	17,630	17,194	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	40,506	89,3	37,104	81,8
76	TL-STD60R76	R1	18,580	18,149	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	45,586	100,5	42,184	93,0
84	TL-STD60R84	R1	20,490	20,058	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	53,751	118,5	50,349	111,0
95	TL-STD60R95	R1	23,120	22,683	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	70,534	155,5	67,132	148,0
96	TL-STD60R96	R1	23,360	22,922	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-17/32	0,444	73,709	162,5	70,307	155,0



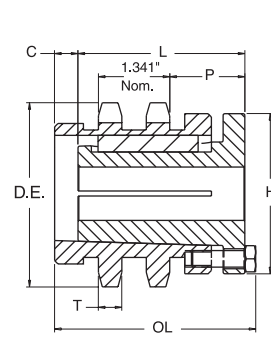
Type 11



Type 12



Type 13



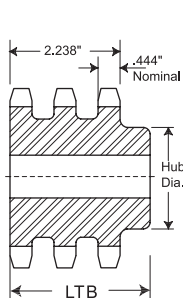
Type 16

## NO 60-3 3/4" PITCH TRIPLE. TYPE QD

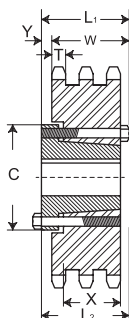
Type QD

Type B, B1

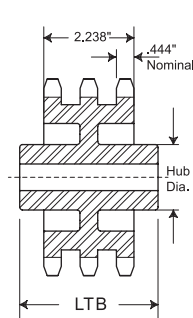
NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM		
	OD Inch	Pitch Inch				Max	L1	L2	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs	Lbs
36	9,020	8,605	E	TL-60-3E36	3 1/2	2 5/8	2 15/16	6	17/64	1/8				1 5/8	0,444	2,238	22,226	49	16,783	37
42	10,460	10,036	E	TL-60-3E42	3 1/2	2 5/8	2 15/16	6	17/64	1/8				1 5/8	0,444	2,238	28,123	62	22,680	50
52	12,850	12,422	E	TL-60-3E52	3 1/2	2 5/8	2 15/16	6	17/64	1/8				1 5/8	0,444	2,238	36,287	80	30,844	68
68	16,670	16,240	E	TL-60-3E68	3 1/2	2 13/16	3 7/64	6	9/16	3/16	1/8	5/16	1 5/8	0,444	2,238	37,648	83	32,205	71	
76	18,580	18,149	E	TL-60-3E76	3 1/2	2 13/16	3 7/64	6	9/16	3/16	1/8	5/16	1 5/8	0,444	2,238	44,906	99	39,463	87	
95	23,120	22,683	E	TL-60-3E95	3 1/2	2 13/16	3 7/64	6	9/16	3/16	1/8	5/16	1 5/8	0,444	2,238	58,513	129	53,070	117	



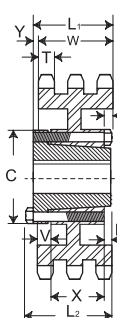
Type B



QD - Type B



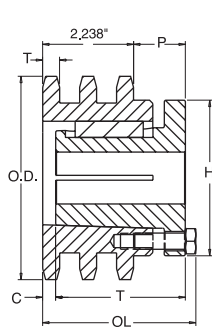
Type C



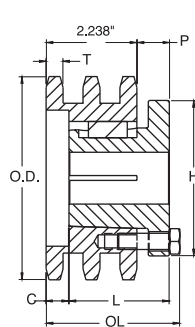
QD - Type B1

# NO 60-3 3/4" PITCH TRIPLE. SPLIT TAPER

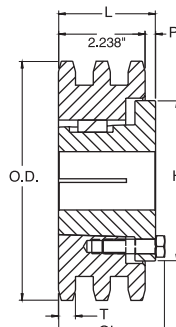
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
13	TL-EST60P13	P2	3,490	3,134	27	1-3/4	4-23/32	2-15/16	1 17/32	3	1-13/32	0,444	2,177	4,8	1,497	3,3
14	TL-EST60P14	P2	3,740	3,371	22	1-3/4	3-29/32	2-15/16	1-23/32	3	1-13/32	0,444	2,177	4,8	1,497	3,3
15	TL-EST60P15	P2	3,980	3,607	22	1-3/4	3-29/32	2-15/16	1-23/32	3	1-13/32	0,444	2,495	5,5	1,814	4,0
16	TL-EST60P16	P1	4,220	3,844	24	1-3/4	3 1/8	1-15/16	15/16	3	5/8	0,444	2,132	4,7	1,542	3,4
17	TL-EST60Q17	Q1	4,460	4,082	27	2-11/16	5	3-1/2	13/32	4-1/8	1-21/32	0,444	3,674	8,1	2,087	4,6
18	TL-EST60Q18	Q1	4,700	4,319	22	2-11/16	4-3/16	3-1/2	13/32	4-1/8	1-21/32	0,444	3,856	8,5	2,268	5,0
19	TL-EST60Q18	Q1	4,950	4,557	22	2-11/16	4-3/16	3-1/2	13/32	4-1/8	1-21/32	0,444	4,264	9,4	2,676	5,9
20	TL-EST60Q20	Q1	5,190	4,794	22	2-11/16	4-3/16	3-1/2	13/32	4-1/8	1-21/32	0,444	4,763	10,5	2,812	6,2
21	TL-EST60Q21	Q1	5,430	5,032	24	2-11/16	3-1/4	2-1/2	15/32	4-1/8	3/4	0,444	4,173	9,2	2,903	6,4
22	TL-EST60Q22	Q1	5,670	5,270	24	2-11/16	3-1/4	2-1/2	15/32	4-1/8	3/4	0,444	4,581	10,1	2,994	6,6
23	TL-EST60Q23	Q1	5,910	5,508	25	2-11/16	2-25/32	2-1/2	0	4-1/8	1/4	0,444	5,080	11,2	3,493	7,7
24	TL-EST60Q24	Q1	6,150	5,746	25	2-11/16	2-25/32	2-1/2	0	4-1/8	1/4	0,444	5,579	12,3	3,992	8,8
25	TL-EST60Q25	Q1	6,390	5,984	25	2-11/16	2-25/32	2-1/2	0	4-1/8	1/4	0,444	6,123	13,5	4,536	10,0
26	TL-EST60Q26	Q1	6,630	6,222	25	2-11/16	2-25/32	2-1/2	0	4-1/8	1/4	0,444	6,622	14,6	5,035	11,1
27	TL-EST60Q27	Q1	6,870	6,460	25	2-11/16	2-25/32	2-1/2	0	4-1/8	1/4	0,444	7,212	15,9	5,625	12,4
28	TL-EST60Q28	Q1	7,110	6,699	25	2-11/16	2-25/32	2-1/2	0	4-1/8	1/4	0,444	7,756	17,1	6,169	13,6
30	TL-EST60R30	R1	7,590	7,175	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	9,752	21,5	6,350	14,0
32	TL-EST60R32	R1	8,070	7,652	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	12,020	26,5	8,618	19,0
35	TL-EST60R35	R1	8,780	8,367	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	13,381	29,5	9,979	22,0
36	TL-EST60R36	R1	9,020	8,605	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	14,016	30,9	10,614	23,4
40	TL-EST60R40	R1	9,980	9,559	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	17,599	38,8	14,197	31,3
42	TL-EST60R42	R1	10,460	10,036	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	19,414	42,8	16,012	35,3
52	TL-EST60R52	R1	12,850	12,422	25	3-3/4	3-5/32	2-7/8	0	5-3/8	5/8	0,444	32,069	70,7	28,667	63,2



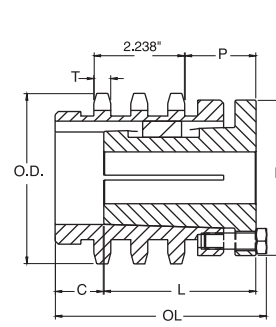
Type 22



Type 24



Type 25



Type 27

# NO 80 1" PITCH TYPE B & C

Type A

Type B, C

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
8	3,010					TL-80B8	B	1	1	1 15/16	1 5/8	0,635	1,4
9	3,350	TL-80A9	15/16	0,363	0,8	TL-80B9	B	1	1 5/16	2 1/4	1 5/8	0,726	1,6
10	3,680	TL-80A10	15/16	0,454	1,0	TL-80B10	B	1	1 1/2	2 9/16	1 5/8	0,998	2,2
11	4,010	TL-80A11	15/16	0,590	1,3	TL-80B11	B	1	1 5/8	2 13/16	1 5/8	1,451	3,2

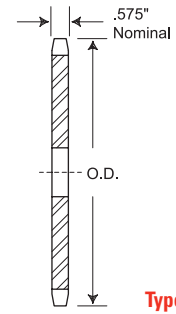
NEXT >



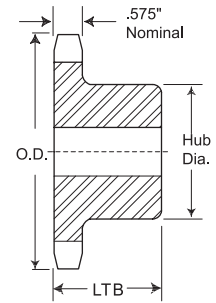
**Type A**

**Type B, C**

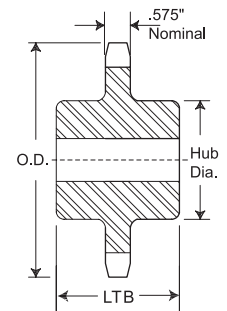
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
12	4,330	TL-80A12	15/16	0,680	1,5	TL-80B12	B	1	1 7/8	3 1/8	1 5/8	1,542	3,4
13	4,660	TL-80A13	15/16	0,816	1,8	TL-80B13	B	1	2	3	1 1/2	1,588	3,5
14	4,980	TL-80A14	15/16	0,998	2,2	TL-80B14	B	1	2 1/4	3 1/4	1 1/2	1,860	4,1
15	5,300	TL-80A15	15/16	1,134	2,5	TL-80B15	B	1	2 1/2	3 13/16	1 1/2	2,404	5,3
16	5,630	TL-80A16	15/16	1,315	2,9	TL-80B16	B	1	2 3/4	4	1 1/2	2,676	5,9
17	5,950	TL-80A17	15/16	1,497	3,3	TL-80B17	B	1	2 3/4	4	1 1/2	2,994	6,6
18	6,270	TL-80A18	15/16	1,678	3,7	TL-80B18	B	1	2 3/4	4 1/4	1 1/2	3,311	7,3
19	6,590	TL-80A19	15/16	1,860	4,1	TL-80B19	B	1	2 3/4	4 1/4	1 1/2	3,538	7,8
20	6,910	TL-80A20	15/16	2,132	4,7	TL-80B20	B	1	2 3/4	4 1/4	1 1/2	3,810	8,4
21	7,240	TL-80A21	15/16	2,223	4,9	TL-80B21	B	1	2 3/4	4 1/4	1 3/4	4,264	9,4
22	7,560	TL-80A22	15/16	2,495	5,5	TL-80B22	B	1	2 3/4	4 1/4	1 3/4	4,536	10,0
23	7,880	TL-80A23	15/16	2,858	6,3	TL-80B23	B	1	2 3/4	4 1/4	1 3/4	4,853	10,7
24	8,200	TL-80A24	15/16	3,039	6,7	TL-80B24	B	1	2 3/4	4 1/4	1 3/4	5,126	11,3
25	8,520	TL-80A25	15/16	3,266	7,2	TL-80B25	B	1	2 3/4	4 1/4	1 3/4	5,398	11,9
26	8,840	TL-80A26	1 3/16	3,538	7,8	TL-80B26	B	1 1/4	3 1/4	4 3/4	2	6,486	14,3
27	9,160	TL-80A27	1 3/16	3,901	8,6	TL-80B27	B	1 1/4	3 1/4	4 3/4	2	6,985	15,4
28	9,480	TL-80A28	1 3/16	4,218	9,3	TL-80B28	B	1 1/4	3 1/4	4 3/4	2	7,257	16,0
29	9,800	TL-80A29	1 3/16	4,445	9,8	TL-80B29	B	1 3/16	3 1/4	4 3/4	2	7,756	17,1
30	10,110	TL-80A30	1 3/16	4,853	10,7	TL-80B30	B	1 3/16	3 1/4	4 3/4	2	7,893	17,4
31	10,430	TL-80A31	1 3/16	5,126	11,3	TL-80B31	B	1 3/16	3 1/4	4 3/4	2	8,482	18,7
32	10,750	TL-80A32	1 3/16	5,488	12,1	TL-80B32	B	1 3/16	3 1/4	4 3/4	2	8,845	19,5
33	11,070	TL-80A33	1 3/16	6,169	13,6	TL-80B33	B	1 3/16	3 1/4	4 3/4	2	8,890	19,6
34	11,390	TL-80A34	1 3/16	6,486	14,3	TL-80B34	B	1 3/16	3 1/4	4 3/4	2	9,662	21,3
35	11,710	TL-80A35	1 3/16	6,713	14,8	TL-80B35	B	1 3/16	3 1/4	4 3/4	2	10,024	22,1
36	12,030	TL-80A36	1 3/16	7,303	16,1	TL-80B36	B	1 3/16	3 1/4	4 3/4	2	10,478	23,1
37	12,350	TL-80A37	1 3/16	7,620	16,8	TL-80B37	B	1 3/16	3 1/4	4 3/4	2	10,795	23,8
38	12,670	TL-80A38	1 3/16	7,802	17,2	TL-80B38	B	1 3/16	3 1/4	4 3/4	2	11,204	24,7
39	12,990	TL-80A39	1 3/16	8,119	17,9	TL-80B39	B	1 3/16	3 1/4	4 3/4	2	11,612	25,6
40	13,310	TL-80A40	1 3/16	8,573	18,9	TL-80B40	B	1 3/16	3 1/4	4 3/4	2	12,111	26,7
41	13,630	TL-80A41	1 1/4	9,525	21,0	TL-80B41	B	1 1/4	3 1/4	4 3/4	2	12,610	27,8
42	13,940	TL-80A42	1 1/4	9,888	21,8	TL-80B42	B	1 1/4	3 1/4	4 3/4	2	13,018	28,7
43	14,260	TL-80A43	1 1/4	10,705	23,6	TL-80B43	B	1 1/4	3 1/4	4 3/4	2	13,336	29,4
44	14,580	TL-80A44	1 1/4	11,022	24,3	TL-80B44	B	1 1/4	3 1/4	4 3/4	2	13,562	29,9
45	14,900	TL-80A45	1 1/4	11,431	25,2	TL-80B45	B	1 1/4	3 1/4	4 3/4	2	14,243	31,4
46	15,220	TL-80A46	1 1/4	12,066	26,6	TL-80B46	B	1 1/4	3 1/4	4 3/4	2	15,014	33,1
47	15,540	TL-80A47	1 1/4	11,975	26,4	TL-80B47	B	1 1/4	3 1/4	4 3/4	2	15,422	34,0
48	15,860	TL-80A48	1 1/4	12,610	27,8	TL-80B48	B	1 1/4	3 1/4	4 3/4	2	16,103	35,5
49	16,180	TL-80A49	1 1/4	13,109	28,9	TL-80B49	B	1 1/4	3 1/4	4 3/4	2	16,239	35,8
50	16,500	TL-80A50	1 1/4	14,016	30,9	TL-80B50	B	1 1/4	3 1/4	4 3/4	2	16,919	37,3
51	16,810	TL-80A51	1 1/4	14,606	32,2	TL-80B51	B	1 1/4	3 1/4	4 3/4	2	17,509	38,6
52	17,130	TL-80A52	1 1/4	14,969	33,0	TL-80B52	B	1 1/4	3 1/4	4 3/4	2	17,872	39,4
53	17,450	TL-80A53	1 1/4	15,830	34,9	TL-80B53	B	1 1/4	3 1/4	4 3/4	2	18,733	41,3
54	17,770	TL-80A54	1 1/4	16,601	36,6	TL-80B54	B	1 1/4	3 1/2	5 1/4	2	20,276	44,7
55	18,090	TL-80A55	1 1/4	17,010	37,5	TL-80B55	B	1 1/4	3 1/2	5 1/4	2	20,684	45,6
56	18,410	TL-80A56	1 1/4	17,872	39,4	TL-80B56	B	1 1/4	3 1/2	5 1/4	2	21,546	47,5
57	18,730	TL-80A57	1 1/4	18,325	40,4	TL-80B57	B	1 1/4	3 1/2	5 1/4	2	21,999	48,5
58	19,040	TL-80A58	1 1/4	18,733	41,3	TL-80B58	B	1 1/4	3 1/2	5 1/4	2	22,906	50,5
59	19,360	TL-80A59	1 1/4	19,459	42,9	TL-80B59	B	1 1/4	3 1/2	5 1/4	2	23,632	52,1
60	19,680	TL-80A60	1 1/4	20,548	45,3	TL-80B60	B	1 1/4	3 1/2	5 1/4	2	24,721	54,5
65	21,270	TL-80A65	1 1/4	23,678	52,2	TL-80B65	B	1 1/4	3 1/2	5 1/4	2	28,032	61,8
70	22,870	TL-80A70	1 1/2	27,125	59,8	TL-80C70	C	1 1/2	4 1/4	6 1/4	3 1/2	34,337	75,7
72	23,500	TL-80A72	1 1/2	29,801	65,7	TL-80C72	C	1 1/2	4 1/4	6 1/4	3 1/2	36,922	81,4
76	24,780	TL-80A76	1 1/2	31,842	70,2	TL-80C76	C	1 1/2	4 1/4	6 1/4	3 1/2	39,825	87,8
80	26,050	TL-80A80	1 1/2	36,106	79,6	TL-80C80	C	1 1/2	4 1/4	6 1/4	3 1/2	40,778	89,9
84	27,330	TL-80A84	1 1/2	39,054	86,1	TL-80C84	C	1 1/2	4 1/4	6 1/4	3 1/2	44,996	99,2
90	29,240	TL-80A90	1 1/2	45,813	101	TL-80C90	C	1 1/2	4 1/4	6 1/4	3 1/2	48,081	106
96	31,150	TL-80A96	1 1/2	54,431	120	TL-80C96	C	1 1/2	4 1/4	6 1/4	3 1/2	53,070	117
112	36,240	TL-80A112	1 1/2	74,843	165	TL-80C112	C	1 1/2	4 1/4	6 1/4	3 1/2	69,853	154



**Type A**



**Type B**



**Type C**

# NO 80 1" PITCH TYPE BS

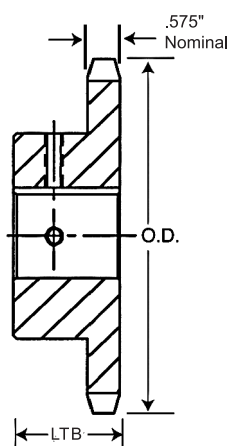
## Type BS

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT BUSHING	
				Kgs	Lbs
9	3,350	TL-80BS9	1 5/8	0,726	1,6
10	3,680	TL-80BS10	1 5/8	0,771	1,7
10	3,680	TL-80BS10	1 5/8	0,771	1,7
11	4,010	TL-80BS11	1 5/8	0,816	1,8
11	4,010	TL-80BS11	1 5/8	0,816	1,8
12	4,330	TL-80BS12	1 5/8	1,361	3,0
12	4,330	TL-80BS12	1 5/8	1,361	3,0
13	4,660	TL-80BS13	1 1/2	1,588	3,5
14	4,980	TL-80BS14	1 1/2	1,860	4,1
15	5,300	TL-80BS15	1 1/2	2,359	5,2
15	5,300	TL-80BS15	1 1/2	2,404	5,3
16	5,630	TL-80BS16	1 1/2	2,495	5,5
17	5,950	TL-80BS17	1 1/2	2,722	6,0
18	6,270	TL-80BS18	1 1/2	2,948	6,5
18	6,270	TL-80BS18	1 1/2	2,722	6,0
19	6,590	TL-80BS19	1 1/2	3,175	7,0
20	6,910	TL-80BS20	1 1/2	3,629	8,0
21	7,240	TL-80BS21	1 3/4	4,037	8,9
22	7,560	TL-80BS22	1 3/4	4,309	9,5
23	7,880	TL-80BS23	1 3/4	4,627	10,2
24	8,200	TL-80BS24	1 3/4	4,899	10,8
25	8,520	TL-80BS25	1 3/4	5,171	11,4
26	8,840	TL-80BS26	2	6,350	14,0
27	9,160	TL-80BS27	2	6,668	14,7
28	9,480	TL-80BS28	2	6,940	15,3
29	9,800	TL-80BS29	2	7,439	16,4
30	10,110	TL-80BS30	2	7,575	16,7
31	10,430	TL-80BS31	2	8,165	18,0

NEXT >

## Type BS

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT BUSHING	
				Kgs	Lbs
32	10,750	TL-80BS32	2	8,528	18,8
33	11,070	TL-80BS33	2	8,573	18,9
34	11,390	TL-80BS34	2	9,344	20,6
35	11,710	TL-80BS35	2	9,707	21,4
36	12,030	TL-80BS36	2	10,160	22,4
37	12,350	TL-80BS37	2	10,841	23,9
38	12,670	TL-80BS38	2	10,886	24,0
39	12,990	TL-80BS39	2	11,294	24,9
40	13,310	TL-80BS40	2	11,793	26,0
41	13,630	TL-80BS41	2	12,292	27,1
42	13,940	TL-80BS42	2	12,701	28,0
43	14,260	TL-80BS43	2	13,290	29,3
44	14,580	TL-80BS44	2	13,290	29,3
45	14,900	TL-80BS45	2	13,925	30,7
46	15,220	TL-80BS46	2	14,696	32,4
47	15,540	TL-80BS47	2	15,105	33,3
48	15,860	TL-80BS48	2	15,785	34,8
49	16,180	TL-80BS49	2	15,921	35,1
50	16,500	TL-80BS50	2	16,601	36,6
51	16,810	TL-80BS51	2	17,463	38,5
52	17,130	TL-80BS52	2	18,280	40,3
53	17,450	TL-80BS53	2	19,142	42,2
54	17,770	TL-80BS54	2	19,958	44,0
55	18,090	TL-80BS55	2	21,001	46,3
56	18,410	TL-80BS56	2	21,455	47,3
57	18,730	TL-80BS57	2	22,181	48,9
58	19,040	TL-80BS58	2	22,952	50,6
59	19,360	TL-80BS59	2	23,678	52,2
60	19,680	TL-80BS60	2	26,671	58,8



Delivered with two Setscrews disposed at 90°.  
Keyway is cut at the tooth centerline.

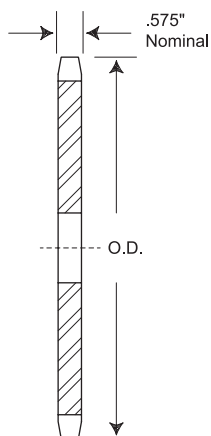
Bore to size in inches or mm.  
Screw drawn to keyway center.

# NO 80 1" PITCH STAINLESS STEEL

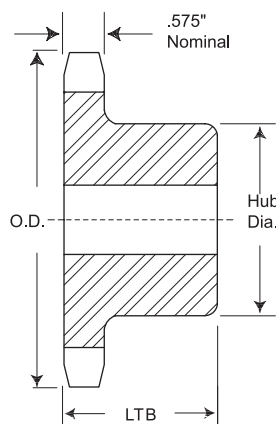
## Type A

## Type B

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
10	3,680					TL-80BSS10	1	1 1/2	2 9/16	1 5/8	0,971	2,14
11	4,010					TL-80BSS11	1	1 5/8	2 13/16	1 5/8	1,234	2,72
12	4,330	TL-80ASS12	15/16	1,50		TL-80BSS12	1	1 7/8	3 1/8	1 5/8	1,551	3,42
13	4,660	TL-80ASS13	15/16	1,80		TL-80BSS13	1	2	3	1 1/2	1,601	3,53
14	4,980	TL-80ASS14	15/16	2,20		TL-80BSS14	1	2 1/4	3 1/4	1 1/2	1,901	4,19
15	5,300	TL-80ASS15	15/16	2,50		TL-80BSS15	1	2 1/2	3 13/16	1 1/2	2,440	5,38
16	5,630	TL-80ASS16	15/16	2,90		TL-80BSS16	1	2 3/4	4	1 1/2	2,753	6,07
17	5,950	TL-80ASS17	15/16	3,30		TL-80BSS17	1	2 3/4	4	1 1/2	2,926	6,45
18	6,270	TL-80ASS18	15/16	3,70		TL-80BSS18	1	2 3/4	4 1/4	1 1/2	3,329	7,34
19	6,590	TL-80ASS19	15/16	4,10		TL-80BSS19	1	2 3/4	4 1/4	1 1/2	3,538	7,80
20	6,910	TL-80ASS20	15/16	4,70		TL-80BSS20	1	2 3/4	4 1/4	1 1/2	3,729	8,22
21	7,240	TL-80ASS21	15/16	2,313	5,10	TL-80BSS21	1	2 3/4	4 1/4	1 3/4	4,264	9,40
22	7,560	TL-80ASS22	15/16	2,545	5,61	TL-80BSS22	1	2 3/4	4 1/4	1 3/4	4,536	10,00
23	7,880	TL-80ASS23	15/16	2,767	6,10	TL-80BSS23	1	2 3/4	4 1/4	1 3/4	4,853	10,70
24	8,200	TL-80ASS24	15/16	3,053	6,73	TL-80BSS24	1	2 3/4	4 1/4	1 3/4	5,153	11,36
25	8,520	TL-80ASS25	15/16	3,293	7,26	TL-80BSS25	1	2 3/4	4 1/4	1 3/4	5,398	11,90
26	8,840	TL-80ASS26	1 3/16	3,053	6,73	TL-80BSS26	1 1/4	3 1/4	4 3/4	2	6,609	14,57
30	10,110	TL-80ASS30	1 3/16	4,776	10,53	TL-80BSS30	1 3/16	3 1/4	4 3/4	2	7,938	17,50
35	11,710	TL-80ASS35	1 3/16	5,928	13,07	TL-80BSS35	1 3/16	3 1/4	4 3/4	2	9,743	21,48
40	13,310	TL-80ASS40	1 3/16	8,718	19,22	TL-80BSS40	1 3/16	3 1/4	4 3/4	2	11,793	26,00



Type A



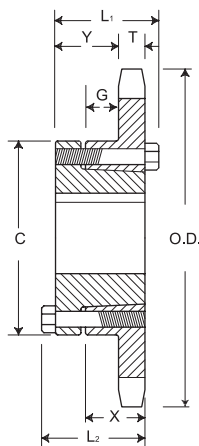
Type B



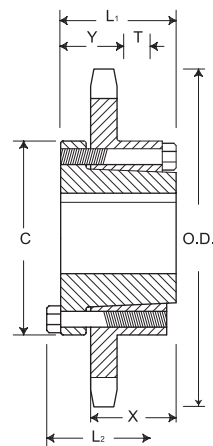
# NO 80 1" PITCH TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L <sub>1</sub>	L <sub>2</sub>	C	Y	P	G	X	T	Kgs	Lbs	Kgs
11	4,010	3,550	SH	B	TL-80SH11	1 5/8	1 7/16	1 7/16	2 11/16	2 1/32		15/64	13/16	0,575	0,907	2,0	0,454	1,0
12	4,330	3,864	SH	B	TL-80SH12	1 5/8	1 7/16	1 7/16	2 11/16	2 1/32		15/64	13/16	0,575	1,089	2,4	0,635	1,4
13	4,660	4,179	SDS	B	TL-80SDS13	2	1 1/2	1 1/2	3 3/16	47/64		11/64	3/4	0,575	1,134	2,5	0,680	1,5
14	4,980	4,494	SDS	B	TL-80SDS14	2	1 1/2	1 1/2	3 3/16	47/64		11/64	3/4	0,575	1,270	2,8	0,816	1,8
15	5,300	4,810	SK	B	TL-80SK15	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	0,575	2,041	4,5	1,134	2,5
16	5,630	5,126	SK	B	TL-80SK16	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	0,575	2,313	5,1	1,406	3,1
17	5,950	5,442	SK	B	TL-80SK17	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	0,575	2,495	5,5	1,588	3,5
18	6,270	5,759	SK	B	TL-80SK18	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	0,575	2,676	5,9	1,769	3,9
19	6,590	6,076	SK	B	TL-80SK19	2 5/8	2 1/8	2 1/8	3 7/8	1 19/64		21/32	1 1/4	0,575	2,903	6,4	1,996	4,4
20	6,910	6,392	SF	B	TL-80SF20	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	3,765	8,3	2,404	5,3
21	7,240	6,710	SF	B	TL-80SF21	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	3,946	8,7	2,585	5,7
22	7,560	7,027	SF	B	TL-80SF22	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	4,218	9,3	2,858	6,3
23	7,880	7,344	SF	B	TL-80SF23	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	4,445	9,8	3,084	6,8
24	8,200	7,661	SF	B	TL-80SF24	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	4,763	10,5	3,402	7,5
25	8,520	7,979	SF	B	TL-80SF25	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	4,990	11,0	3,629	8,0
26	8,840	8,296	SF	B	TL-80SF26	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	5,262	11,6	3,901	8,6
27	9,160	8,614	SF	B	TL-80SF27	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	5,625	12,4	4,264	9,4
28	9,480	8,931	SF	B	TL-80SF28	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	5,987	13,2	4,627	10,2
30	10,110	9,567	SF	B	TL-80SF30	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	6,486	14,3	5,126	11,3
32	10,750	10,202	SF	B	TL-80SF32	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	7,257	16,0	5,897	13,0
33	11,070	10,520	SF	B	TL-80SF33	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	7,484	16,5	6,123	13,5
34	11,390	10,838	SF	B	TL-80SF34	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	7,756	17,1	6,396	14,1
35	11,710	11,156	SF	B	TL-80SF35	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	8,391	18,5	7,031	15,5
36	12,030	11,474	SF	B	TL-80SF36	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	9,026	19,9	7,666	16,9
40	13,310	12,746	SF	B	TL-80SF40	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	10,705	23,6	9,344	20,6
42	13,940	13,382	SF	B	TL-80SF42	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	11,521	25,4	10,160	22,4
45	14,900	14,336	SF	B	TL-80SF45	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	12,746	28,1	11,385	25,1
48	15,860	15,290	SF	B	TL-80SF48	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	14,334	31,6	12,973	28,6
54	17,770	17,198	SF	B	TL-80SF54	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	18,053	39,8	16,692	36,8
60	19,680	19,107	SF	B	TL-80SF60	2 15/16	2 1/4	2 1/4	4 5/8	1 27/64		21/32	1 1/4	0,575	22,135	48,8	20,775	45,8
70	22,870	22,289	E	C	TL-80E70	3 1/2	2 5/8	2 15/16	6	7/8	1 3/16	1 3/64	1 5/8	0,575	29,756	65,6	25,220	55,6
72	23,500	22,926	E	C	TL-80E72	3 1/2	2 5/8	2 15/16	6	7/8	1 3/16	1 3/64	1 5/8	0,575	31,434	69,3	26,898	59,3
80	26,050	25,471	E	C	TL-80E80	3 1/2	2 5/8	2 15/16	6	7/8	1 3/16	1 3/64	1 5/8	0,575	35,925	79,2	31,389	69,2
84	27,330	26,744	E	C	TL-80E84	3 1/2	2 5/8	2 15/16	6	7/8	1 3/16	1 3/64	1 5/8	0,575	38,510	84,9	33,974	74,9
96	31,150	30,563	E	C	TL-80E96	3 1/2	2 5/8	2 15/16	6	7/8	1 3/16	1 3/64	1 5/8	0,575	48,988	108	44,225	97,5
112	36,240	35,655	F	C	TL-80F112	3 15/16	3 5/8	4	6 5/8	1	2 1/16	1 59/64	2 1/2	0,575	65,771	145	60,781	134



QD - Type B



QD - Type C

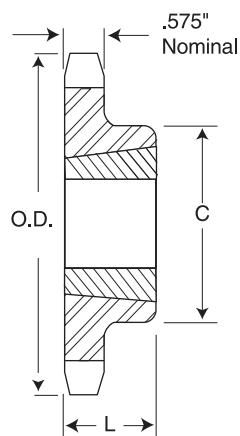


# NO 80 1" PITCH TYPE TAPER BUSH

## Taper Bushed

## Type B

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch				Max	L	C	Kgs	Lbs	Kgs
10	3,678	3,236	1215	TL-80BTB10	1 1/4	1 1/2	2 3/8	0,499	1,1	0,363	0,8
11	4,006	3,549	1215	TL-80BTB11	1 1/4	1 1/2	2 15/32	0,680	1,5	0,363	0,8
12	4,332	3,864	1615	TL-80BTB12	1 5/8	1 1/2	3	0,816	1,8	0,544	1,2
13	4,657	4,179	1615	TL-80BTB13	1 5/8	1 1/2	3	1,043	2,3	0,544	1,2
14	4,982	4,494	1615	TL-80BTB14	1 5/8	1 1/2	3 11/32	1,134	2,5	0,544	1,2
15	5,305	4,810	1615	TL-80BTB15	1 5/8	1 1/2	3 1/2	1,225	2,7	0,544	1,2
16	5,627	5,126	2012	TL-80BTB16	2	1 1/4	4	1,270	2,8	0,771	1,7
17	5,950	5,442	2012	TL-80BTB17	2	1 1/4	4	1,406	3,1	0,771	1,7
18	6,271	5,759	2012	TL-80BTB18	2	1 1/4	3 9/16	1,179	2,6	0,771	1,7
19	6,593	6,076	2012	TL-80BTB19	2	1 1/4	3 9/16	1,860	4,1	0,771	1,7
20	6,914	6,392	2517	TL-80BTB20	2 1/2	1 3/4	4 1/4	2,495	5,5	0,771	1,7
21	7,235	6,710	2517	TL-80BTB21	2 1/2	1 3/4	4 1/4	2,722	6,0	1,588	3,5
22	7,555	7,027	2517	TL-80BTB22	2 1/2	1 3/4	4 1/4	2,948	6,5	1,588	3,5
23	7,875	7,344	2517	TL-80BTB23	2 1/2	1 3/4	4 1/4	3,175	7,0	1,588	3,5
24	8,196	7,661	2517	TL-80BTB24	2 1/2	1 3/4	4 1/4	3,402	7,5	1,588	3,5
25	8,516	7,979	2517	TL-80BTB25	2 1/2	1 3/4	4 1/4	3,674	8,1	1,588	3,5
26	8,836	8,296	2517	TL-80BTB26	2 1/2	1 3/4	4 1/4	3,992	8,8	1,588	3,5
27	9,156	8,614	2517	TL-80BTB27	2 1/2	1 3/4	4 1/4	4,082	9,0	1,588	3,5
28	9,475	8,931	2517	TL-80BTB28	2 1/2	1 3/4	4 1/4	4,309	9,5	1,588	3,5
30	10,114	9,567	2517	TL-80BTB30	2 1/2	1 3/4	4 1/4	5,216	11,5	1,588	3,5
32	10,753	10,202	2517	TL-80BTB32	2 1/2	1 3/4	4 1/4	5,443	12,0	1,588	3,5
35	11,711	11,156	2517	TL-80BTB35	2 1/2	1 3/4	4 1/4	6,895	15,2	1,588	3,5
36	12,030	11,474	2517	TL-80BTB36	2 1/2	1 3/4	4 1/4	7,711	17,0	1,588	3,5
40	13,306	12,746	2517	TL-80BTB40	2 1/2	1 3/4	4 1/4	9,525	21,0	1,588	3,5
45	14,901	14,336	2517	TL-80BTB45	2 1/2	1 3/4	4 1/4	12,020	26,5	1,588	3,5
48	15,857	15,290	2517	TL-80BTB48	2 1/2	1 3/4	4 1/4	13,381	29,5	1,588	3,5
54	17,769	17,198	2517	TL-80BTB54	2 1/2	1 3/4	4 1/4	17,463	38,5	1,588	3,5
60	19,681	19,107	2517	TL-80BTB60	2 1/2	1 3/4	4 1/4	20,412	45,0	1,588	3,5
70	22,867	22,289	3020	TL-80BTB70	3	2	5 1/4	23,723	52,3	2,948	6,5
80	26,052	25,471	3020	TL-80BTB80	3	2	5 1/4	31,389	69,2	2,948	6,5

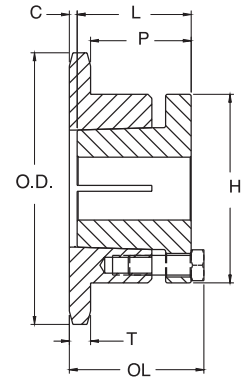


Type B

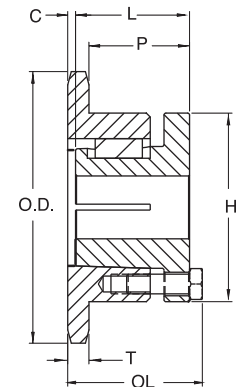


# NO 80 1" PITCH TYPE SPLIT TAPER

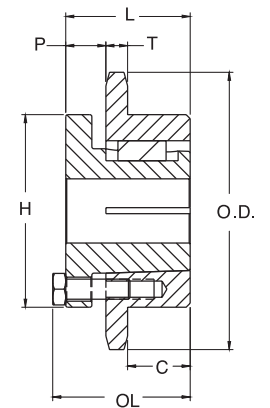
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T(nom)	Kgs	Lbs	Kgs	Lbs
10	TL-ST80H10	H	3,680	3,236	3	1-1/2	2-3/32	1-1/4	21/32	2-1/2	1-21/64	0,575	1,270	2,8	0,907	2,0
11	TL-ST80H11	H	4,010	3,550	3	1-1/2	1-1/2	1-1/4	1/16	2-1/2	3/4	0,575	0,953	2,1	0,590	1,3
11	TL-ST80P11	P	4,010	3,550	4	1-3/4	2-11/32	1-15/16	5/32	3	1-17/32	0,575	1,089	2,4	0,726	1,6
12	TL-ST80P12	P1	4,330	3,864	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	1,497	3,3	0,907	2,0
13	TL-ST80P13	P1	4,660	4,179	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	1,678	3,7	1,089	2,4
14	TL-ST80P14	P1	4,980	4,494	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	1,769	3,9	1,179	2,6
14	TL-ST80Q14	Q1	4,980	4,494	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	2,903	6,4	1,315	2,9
15	TL-ST80P15	P1	5,300	4,810	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	1,950	4,3	1,361	3,0
15	TL-ST80Q15	Q1	5,300	4,810	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	3,130	6,9	1,542	3,4
16	TL-ST80P16	P1	5,630	5,126	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	2,177	4,8	1,588	3,5
16	TL-ST80Q16	Q1	5,630	5,126	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	3,674	8,1	2,087	4,6
17	TL-ST80P17	P1	5,950	5,442	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	2,313	5,1	1,724	3,8
17	TL-ST80Q17	Q1	5,950	5,442	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	3,992	8,8	2,404	5,3
18	TL-ST80P18	P1	6,270	5,759	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	2,585	5,7	1,996	4,4
18	TL-ST80Q18	Q1	6,270	5,759	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	4,309	9,5	2,722	6,0
19	TL-ST80P19	P1	6,590	6,076	4	1-3/4	2-3/16	1-15/16	0	3	1-3/8	0,575	2,812	6,2	2,223	4,9
19	TL-ST80Q19	Q1	6,590	6,076	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	4,536	10,0	2,948	6,5
20	TL-ST80Q20	Q1	6,910	6,392	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	4,763	10,5	3,175	7,0
21	TL-ST80Q21	Q1	7,240	6,710	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	4,899	10,8	3,311	7,3
22	TL-ST80Q22	Q1	7,560	7,027	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	5,307	11,7	3,719	8,2
23	TL-ST80Q23	Q1	7,880	7,344	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	5,579	12,3	3,992	8,8
24	TL-ST80Q24	Q1	8,200	7,661	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	5,715	12,6	4,128	9,1
25	TL-ST80Q25	Q1	8,520	7,979	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	5,942	13,1	4,354	9,6
26	TL-ST80Q26	Q1	8,840	8,296	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	6,396	14,1	4,808	10,6
27	TL-ST80Q27	Q1	9,160	8,614	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	6,532	14,4	4,944	10,9
28	TL-ST80Q28	Q1	9,480	8,931	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	7,212	15,9	5,625	12,4
29	TL-ST80Q29	Q1	9,800	9,249	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	7,303	16,1	5,715	12,6
30	TL-ST80Q30	Q1	10,110	9,567	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	7,666	16,9	6,078	13,4
31	TL-ST80Q31	Q1	10,430	9,885	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	7,893	17,4	6,305	13,9
32	TL-ST80Q32	Q1	10,750	10,202	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	8,301	18,3	6,713	14,8
33	TL-ST80Q33	Q1	11,070	10,520	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	8,618	19,0	7,031	15,5
34	TL-ST80Q34	Q1	11,390	10,838	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	8,981	19,8	7,394	16,3
35	TL-ST80Q35	Q1	11,710	11,156	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	9,662	21,3	8,074	17,8
36	TL-ST80Q36	Q1	12,030	11,474	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	9,798	21,6	8,210	18,1
36	TL-ST80R36	R1	12,030	11,474	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	12,247	27,0	8,845	19,5
37	TL-ST80Q37	Q1	12,350	11,792	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	9,979	22,0	8,391	18,5
38	TL-ST80Q38	Q1	12,670	12,110	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	10,659	23,5	9,072	20,0
39	TL-ST80R39	R1	12,990	12,428	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	13,744	30,3	10,342	22,8
40	TL-ST80Q40	Q1	13,310	12,746	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	11,521	25,4	9,934	21,9
40	TL-ST80R40	R1	13,310	12,746	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	14,016	30,9	10,614	23,4
41	TL-ST80R41	R1	13,630	13,064	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	14,243	31,4	10,841	23,9
42	TL-ST80Q42	Q1	13,940	13,382	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	12,383	27,3	10,795	23,8
42	TL-ST80R42	R1	13,940	13,382	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	14,923	32,9	11,521	25,4
44	TL-ST80R44	R1	14,580	14,018	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	15,740	34,7	12,338	27,2
45	TL-ST80Q45	Q1	14,900	14,336	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	14,197	31,3	12,610	27,8
45	TL-ST80R45	R1	14,900	14,336	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	16,329	36,0	12,927	28,5
47	TL-ST80R47	R1	15,540	14,972	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	17,463	38,5	14,061	31,0
48	TL-ST80Q48	Q1	15,860	15,290	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	15,558	34,3	13,971	30,8
48	TL-ST80R48	R1	15,860	15,290	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	18,053	39,8	14,651	32,3
50	TL-ST80R50	R1	16,500	15,926	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	19,323	42,6	15,921	35,1
54	TL-ST80Q54	Q1	17,770	17,198	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	19,051	42,0	17,463	38,5
54	TL-ST80R54	R1	17,770	17,198	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	21,909	48,3	18,507	40,8
56	TL-ST80R56	R1	18,410	17,835	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	23,360	51,5	19,958	44,0



Type 3



Type 4



Type 5

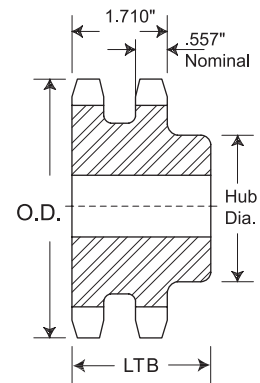
NEXT >

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
60	TL-ST80Q60	Q1	19,680	19,107	4	2-11/16	2-25/32	2-1/2	0	4-1/8	1-15/16	0,575	22,816	50,3	21,228	46,8
60	TL-ST80R60	R1	19,680	19,107	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	24,857	54,8	21,455	47,3
70	TL-ST80Q70	Q1	22,870	22,289	4	2-11/16	2-25/32	2-1/2	0	4-1/8	2-5/16	0,575	28,803	63,5	27,216	60,0
70	TL-ST80R70	R1	22,870	22,289	4	3-3/4	3-5/32	2-7/8	0	5-3/8	2-5/16	0,575	32,205	71,0	28,803	63,5
72	TL-ST80Q72	Q1	23,500	22,926	4	2-11/16	2-25/32	2-1/2	0	4-1/8	2-5/16	0,575	32,205	71,0	30,617	67,5
72	TL-ST80R72	R1	23,500	22,926	5	3-3/4	3-5/32	2-7/8	1-7/16	5-3/8	7/8	0,575	34,881	76,9	31,479	69,4
80	TL-ST80R80	R1	26,050	25,471	5	3-3/4	3-5/32	2-7/8	1-7/16	5-3/8	7/8	0,575	41,957	92,5	38,555	85,0
84	TL-ST80R84	R1	27,330	26,744	5	3-3/4	3-5/32	2-7/8	1-7/16	5-3/8	7/8	0,575	44,225	97,5	40,823	90,0
96	TL-ST80R96	R1	31,150	30,563	5	3-3/4	3-5/32	2-7/8	1-7/16	5-3/8	7/8	0,575	53,297	117,5	49,895	110,0
112	TL-ST80S112	S1	36,240	36,655	5	4-1/4	4-3/4	4-3/8	2-3/4	6-3/8	1-1/8	0,575	80,966	178,5	74,843	165,0

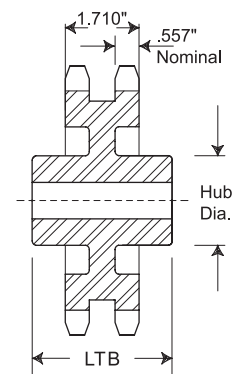
## NO 80-2 1" PITCH DOUBLE. TYPE B & C

### Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
10	3,680	B	TL-80-2B10	1	1 1/2	2 9/16	2 3/4	1,633	3,6
11	4,010	B	TL-80-2B11	1	1 3/4	2 1/2	2 1/2	1,814	4,0
12	4,330	B	TL-80-2B12	1	1 7/8	2 27/32	2 1/2	2,313	5,1
13	4,660	B	TL-80-2B13	1	2 1/4	3 5/32	2 1/2	2,858	6,3
14	4,980	B	TL-80-2B14	1	2 3/8	3 15/32	2 1/2	3,447	7,6
15	5,300	B	TL-80-2B15	1	2 1/2	3 51/64	2 1/2	4,082	9,0
16	5,630	B	TL-80-2B16	1	2 3/4	4	2 3/4	4,990	11,0
17	5,950	B	TL-80-2B17	1	3	4 27/64	2 3/4	5,987	13,2
18	6,270	B	TL-80-2B18	1	3 1/4	4 27/64	2 3/4	6,804	15,0
19	6,590	B	TL-80-2B19	1	3 5/16	5	2 3/4	7,711	17,0
20	6,910	B	TL-80-2B20	1	3 5/16	5	2 3/4	8,255	18,2
21	7,240	B	TL-80-2B21	1	3 5/16	5	2 3/4	8,890	19,6
22	7,560	B	TL-80-2B22	1	3 5/16	5	2 3/4	9,525	21,0
23	7,880	B	TL-80-2B23	1	3 5/16	5	2 3/4	10,342	22,8
24	8,200	B	TL-80-2B24	1	3 1/2	5 1/4	2 3/4	11,385	25,1
25	8,520	B	TL-80-2B25	1	3 1/2	5 1/4	3	12,837	28,3
26	8,840	B	TL-80-2B26	1	3 1/2	5 1/4	3	13,562	29,9
30	10,110	B	TL-80-2B30	1 1/4	3 3/4	5 3/4	3	17,917	39,5
32	10,750	B	TL-80-2B32	1 1/4	3 3/4	5 3/4	3	19,867	43,8
35	11,710	B	TL-80-2B35	1 1/4	3 3/4	5 3/4	3	22,271	49,1
36	12,030	B	TL-80-2B36	1 1/4	3 3/4	5 3/4	3 1/8	24,585	54,2
42	13,940	B	TL-80-2B42	1 1/4	3 3/4	5 3/4	3 1/8	32,432	71,5
45	14,900	B	TL-80-2B45	1 1/4	3 3/4	5 3/4	3 1/8	33,339	73,5
52	17,130	C	TL-80-2C52	1 1/2	3 3/4	5 3/4	3 3/4	35,562	78,4
60	19,680	C	TL-80-2C60	1 1/2	3 3/4	5 3/4	3 3/4	42,320	93,3
68	22,230	C	TL-80-2C68	1 1/2	3 13/16	6	4	43,636	96,2
76	24,780	C	TL-80-2C76	1 1/2	3 13/16	6	4	51,256	113
95	30,830	C	TL-80-2C95	1 1/2	4	6	4 1/4	74,843	165



Type B



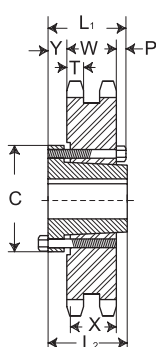
Type C

# NO 80-2 1" PITCH DOUBLE. TYPE QD

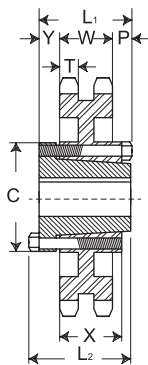
## Type QD

## Type C1, C3, C4

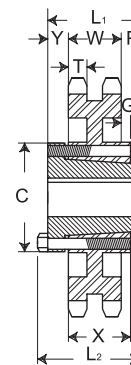
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM		
	OD Inch	Pitch Inch					L <sub>1</sub>	L <sub>2</sub>	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs	Lbs	
36	12,030	11,474	E	C1	TL-80-2E36	3 1/2	2 5/8	2 15/16	6	51/64	1/8				1 5/8	0,557	1,710	21,909	48,3	17,327	38,2
42	13,940	13,382	E	C1	TL-80-2E42	3 1/2	2 5/8	2 15/16	6	51/64	1/8			1 5/8	0,557	1,710	29,620	65,3	25,084	55,3	
45	14,900	14,336	E	C1	TL-80-2E45	3 1/2	2 5/8	2 15/16	6	51/64	1/8			1 5/8	0,557	1,710	33,838	74,6	29,302	64,6	
52	17,130	16,562	E	C3	TL-80-2E52	3 1/2	2 5/8	2 15/16	6	51/64	1/8	3/32		1 5/8	0,557	1,710	30,935	68,2	26,399	58,2	
60	19,680	19,107	E	C3	TL-80-2E60	3 1/2	2 5/8	2 15/16	6	51/64	1/8	3/32		1 5/8	0,557	1,710	35,471	78,2	30,935	68,2	
68	22,230	21,653	E	C3	TL-80-2E68	3 1/2	2 5/8	2 15/16	6	51/64	1/8	3/32		1 5/8	0,557	1,710	38,192	84,2	33,657	74,2	
76	24,780	24,198	E	C3	TL-80-2E76	3 1/2	2 5/8	2 15/16	6	51/64	1/8	3/32		1 5/8	0,557	1,710	45,359	100	40,869	90,1	
95	30,830	30,245	F	C4	TL-D80F95	3 15/16	3 5/8	4	6 5/8	1	59/64	51/64		2 1/2	0,557	1,710	68,946	152	63,503	140	



QD - Type C1



QD - Type C3



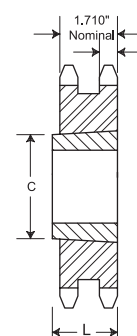
QD - Type C4

# NO 80-2 1" PITCH DOUBLE. TYPE TAPER BUSH

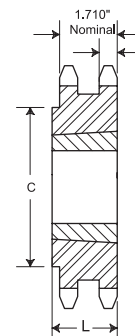
## Type Bushed

## Type A, B, C

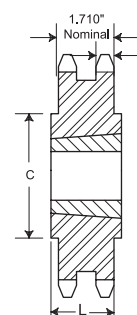
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					L	C	Kgs	Lbs	Kgs	Lbs	
13	4,657	4,179	1615	A	TL-802ATB13	1 5/8	1 1/2			1,542	3,4	0,544	1,2
14	4,982	4,494	2012	A	TL-802ATB14	2	1 1/4			1,588	3,5	0,771	1,7
15	5,305	4,810	2012	A	TL-802ATB15	2	1 1/4			1,950	4,3	0,771	1,7
16	5,627	5,126	2517	A	TL-802ATB16	2 1/2	1 3/4	3 1/8		1,724	3,8	1,588	3,5
17	5,950	5,442	2517	A	TL-802ATB17	2 1/2	1 3/4	3 1/8		2,313	5,1	1,588	3,5
18	6,271	5,759	2517	A	TL-802ATB18	2 1/2	1 3/4	3 1/8		2,903	6,4	1,588	3,5
19	6,593	6,076	3020	B	TL-802BTB19	3	2	5		2,540	5,6	2,948	6,5
20	6,914	6,392	3020	B	TL-802BTB20	3	2	5 1/4		3,221	7,1	2,948	6,5
21	7,235	6,710	3020	B	TL-802BTB21	3	2	5 9/16		4,037	8,9	2,948	6,5
25	8,516	7,979	3020	B	TL-802BTB25	3	2	6 7/8		7,484	16,5	2,948	6,5
30	10,114	9,567	3020	C	TL-802CTB30	3	2	5 1/4		11,385	25,1	2,948	6,5
36	12,030	11,474	3020	C	TL-802CTB36	3	2	5 1/4		17,872	39,4	2,948	6,5
42	13,944	13,392	3020	C	TL-802CTB42	3	2	5 1/4		16,511	36,4	2,948	6,5
45	14,901	14,336	3020	C1	TL-802CTB45	3	2	5 1/4		18,779	41,4	2,948	6,5
52	17,132	16,562	3020	C1	TL-802CTB52	3	2	5 1/4		25,492	56,2	2,948	6,5
60	19,681	19,107	3020	C1	TL-802CTB60	3	2	5 1/4		30,073	66,3	2,948	6,5
68	22,230	21,653	3020	C1	TL-802CTB68	3	2	5 1/4		32,659	72,0	2,948	6,5
76	24,778	24,198	3020	C1	TL-802CTB76	3	2	5 1/4		40,415	89,1	2,948	6,5
95	30,828	30,245	3020	C1	TL-802CTB95	3	2	5 1/4		50,802	112	2,948	6,5



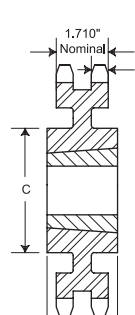
Type A



Type B



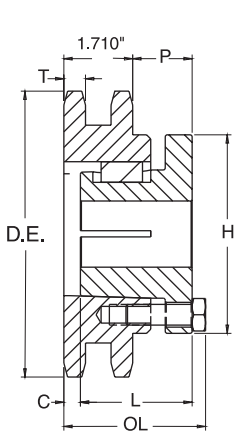
Type C



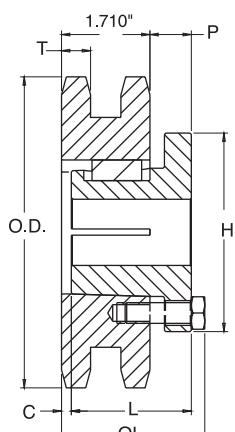
Type C1

# NO 80-2 1" PITCH DOUBLE. TYPE SPLIT TAPER

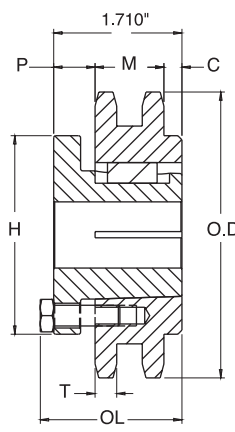
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
13	TL-STD80P13	P1	4,660	4,179	13	1-3/4	2-19/32	1-15/16	13/32	3	5/8	0,557	2,223	4,9	1,633	3,6
14	TL-STD80Q14	Q2	4,980	4,494	16	2-5/8	4-5/8	3-1/2	27/32	4-1/8	1-3/4	0,557	4,491	9,9	2,449	5,4
15	TL-STD80Q15	Q2	5,300	4,810	12	2-5/8	3-25/32	3-1/2	0	4-1/8	1-3/4	0,557	4,491	9,9	2,449	5,4
16	TL-STD80Q16	Q1	5,630	5,126	13	2-11/16	2-25/32	2-1/2	0	4-1/8	3-4	0,557	3,765	8,3	2,177	4,8
17	TL-STD80Q17	Q1	5,950	5,442	13	2-11/16	2-25/32	2-1/2	0	4-1/8	3-4	0,557	4,309	9,5	2,722	6,0
18	TL-STD80Q18	Q1	6,270	5,759	13	2-11/16	2-25/32	2-1/2	0	4-1/8	3-4	0,557	4,899	10,8	3,311	7,3
19	TL-STD80Q19	Q1	6,590	6,076	13	2-11/16	2-25/32	2-1/2	0	4-1/8	3-4	0,557	5,443	12,0	3,856	8,5
20	TL-STD80R20	R1	6,910	6,392	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	6,940	15,3	3,538	7,8
21	TL-STD80R21	R1	7,240	6,710	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	7,666	16,9	4,264	9,4
22	TL-STD80R22	R1	7,560	7,027	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	8,301	18,3	4,899	10,8
23	TL-STD80R23	R1	7,880	7,344	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	8,981	19,8	5,579	12,3
24	TL-STD80R24	R1	8,200	7,661	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	9,798	21,6	6,396	14,1
25	TL-STD80R25	R1	8,520	7,979	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	10,569	23,3	7,167	15,8
26	TL-STD80R26	R1	8,840	8,296	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	11,612	25,6	8,210	18,1
27	TL-STD80R27	R1	9,160	8,614	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	12,655	27,9	9,253	20,4
28	TL-STD80R28	R1	9,480	8,931	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	13,698	30,2	10,297	22,7
30	TL-STD80R30	R1	10,110	9,567	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	15,558	34,3	12,156	26,8
36	TL-STD80R36	R1	12,030	11,474	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	22,271	49,1	18,869	41,6
42	TL-STD80R42	R1	13,940	13,382	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	29,710	65,5	26,308	58,0
45	TL-STD80R45	R1	14,900	14,336	12	3-3/4	3-5/32	2-7/8	0	5-3/8	1-5/32	0,557	34,246	75,5	30,844	68,0
48	TL-STD80R48	R2	15,860	15,290	15	3-5/8	5-5/32	4-7/8	2-9/32	5-3/8	7/8	0,557	43,998	97,0	39,009	86,0
52	TL-STD80R52	R2	17,130	16,562	15	3-5/8	5-5/32	4-7/8	2-9/32	5-3/8	7/8	0,557	51,710	114,0	46,720	103,0
54	TL-STD80R54	R2	17,770	17,198	15	3-5/8	5-5/32	4-7/8	2-9/32	5-3/8	7/8	0,557	55,338	122,0	50,349	111,0
60	TL-STD80R60	R2	19,680	19,107	15	3-5/8	5-5/32	4-7/8	2-9/32	5-3/8	7/8	0,557	66,224	146,0	61,235	135,0
68	TL-STD80R68	R2	22,230	21,653	15	3-5/8	5-5/32	4-7/8	2-9/32	5-3/8	7/8	0,557	84,822	187,0	79,832	176,0
72	TL-STD80R72	R2	23,500	22,926	15	3-5/8	5-5/32	4-7/8	2-9/32	5-3/8	7/8	0,557	94,801	209,0	89,811	198,0
76	TL-STD80U76	U0	24,780	24,198	15	5-1/2	5-23/32	5-1/4	2-1/32	8-3/8	1-1/2	0,557	112,945	249,0	99,337	219,0
95	TL-STD80U95	U0	30,830	30,245	15	5-1/2	5-23/32	5-1/4	2-1/32	8-3/8	1-1/2	0,557	168,736	372,0	155,129	342,0



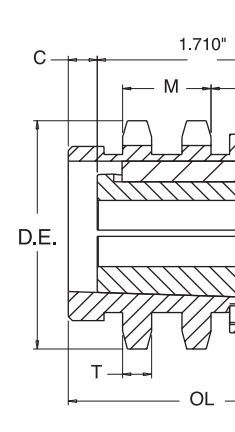
Type 12



Type 13



Type 15

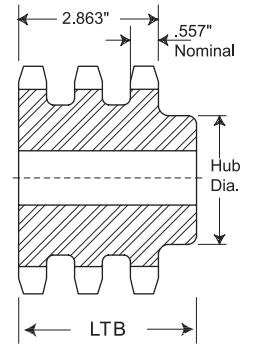


Type 16

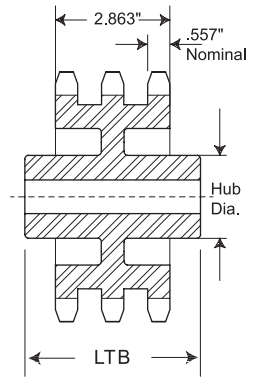
# NO 80-3 1" PITCH TRIPLE. TYPE B & C

## Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
11	4,010	B	TL-80-3B11	1	1 3/4	2 1/2	3 5/8	2,676	5,9
12	4,330	B	TL-80-3B12	1	1 7/8	2 27/32	3 5/8	3,402	7,5
13	4,660	B	TL-80-3B13	1	2 1/4	3 5/32	3 5/8	4,173	9,2
14	4,980	B	TL-80-3B14	1	2 3/8	3 15/32	3 5/8	4,990	11,0
15	5,300	B	TL-80-3B15	1	2 1/2	3 51/64	3 5/8	5,942	13,1
16	5,630	B	TL-80-3B16	1	2 3/4	4	3 7/8	7,167	15,8
17	5,950	B	TL-80-3B17	1	3	4 27/64	3 7/8	8,437	18,6
18	6,270	B	TL-80-3B18	1	3 1/4	4 47/64	3 7/8	9,616	21,2
19	6,590	B	TL-80-3B19	1	3 5/16	5	3 7/8	10,750	23,7
20	6,910	B	TL-80-3B20	1	3 5/16	5	3 7/8	11,793	26,0
21	7,240	B	TL-80-3B21	1	3 5/16	5	3 7/8	12,882	28,4
22	7,560	B	TL-80-3B22	1	3 5/16	5	3 7/8	14,061	31,0
23	7,880	B	TL-80-3B23	1	3 5/16	5	3 7/8	15,241	33,6
24	8,200	B	TL-80-3B24	1	3 1/2	5 1/4	3 7/8	16,828	37,1
25	8,520	B	TL-80-3B25	1	3 1/2	5 1/4	3 7/8	18,189	40,1
26	8,840	B	TL-80-3B26	1	3 1/2	5 1/4	3 7/8	19,459	42,9
30	10,110	B	TL-80-3B30	1 1/4	3 3/4	5 3/4	4 1/4	24,721	54,5
35	11,710	B	TL-80-3B35	1 1/4	3 3/4	5 3/4	4 1/4	36,061	79,5
36	12,030	B	TL-80-3B36	1 1/4	3 3/4	5 3/4	4 1/4	38,056	83,9
42	13,940	C	TL-80-3C42	1 1/4	3 13/16	6	4 1/2	38,510	84,9
45	14,900	C	TL-80-3C45	1 1/4	3 13/16	6	4 1/2	41,912	92,4
52	17,130	C	TL-80-3C52	1 1/2	3 13/16	6	4 1/2	48,534	107
60	19,680	C	TL-80-3C60	1 1/2	4 1/4	6 1/4	4 3/4	58,060	128
68	22,230	C	TL-80-3C68	1 1/2	4 1/4	6 1/4	4 3/4	63,503	140
76	24,780	C	TL-80-3C76	1 1/2	4 1/4	6 1/4	4 3/4	74,843	165
95	30,830	C	TL-80-3C95	1 1/2	4 1/2	6 3/4	5	108,862	240



Type B



Type C

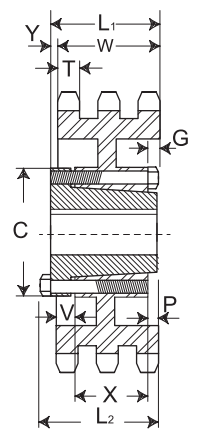
# NO 80-3 1" PITCH TRIPLE. TYPE QD

## Type QD

## Type B, B1

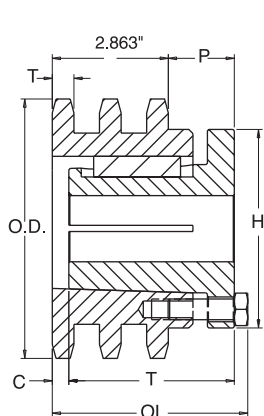
## QD - Type B1

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs
36	12,030	11,474	E	B	TL-80-3EE36	3 1/2	3 7/64	3 27/64	6	1/4	31/64	1/8	5/8	1 5/8	0,557	2,863	29,529	65,1	24,993	55,1
42	13,940	13,382	E	B	TL-80-3EE42	3 1/2	3 7/64	3 27/64	6	1/4	31/64	1/8	5/8	1 5/8	0,557	2,863	37,149	81,9	32,613	71,9
45	14,900	14,336	E	B1	TL-80-3EE45	3 1/2	3 7/64	3 27/64	6	1/4	31/64	1/8	5/8	1 5/8	0,557	2,863	34,156	75,3	29,620	65,3
52	17,130	16,562	E	B1	TL-80-3EE52	3 1/2	3 7/64	3 27/64	6	1/4	31/64	1/8	5/8	1 5/8	0,557	2,863	40,823	90,0	36,287	80,0
60	19,680	19,107	F	B1	TL-80-3EF60	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	0,557	2,863	50,802	112	45,359	100
68	22,230	21,653	F	B1	TL-80-3EF68	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	0,557	2,863	59,874	132	54,431	120
76	24,780	24,198	F	B1	TL-80-3EF76	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	0,557	2,863	68,039	150	62,596	138
95	30,830	30,245	F	B1	TL-80-3EF95	3 15/16	3 43/64	4 3/64	6 5/8	13/16	3/64	1/8	3/16	2 1/2	0,557	2,863	94,347	208	88,904	196

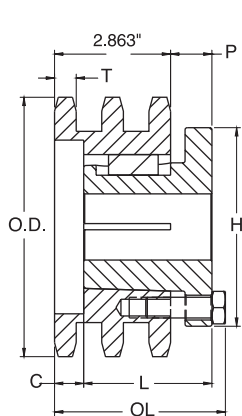


# NO 80-3 1" PITCH TRIPLE. SPLIT TAPER

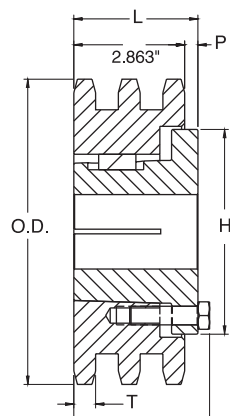
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
13	TL-STT80P13	P2	4,660	4,179	24	1-3/4	3-3/4	2-15/16	9/16	3	5/8	0,557	3,266	7,2	2,585	5,7
14	TL-STT80Q14	Q2	4,980	4,494	27	2-5/8	5-25/32	3-1/2	2	4-1/8	1-3/4	0,557	5,443	12,0	3,402	7,5
15	TL-STT80Q15	Q2	5,300	4,810	22	2-5/8	4-29/32	3-1/2	1-1/8	4-1/8	1-3/4	0,557	5,715	12,6	3,674	8,1
16	TL-STT80Q16	Q2	5,630	5,126	25	2-5/8	3-7/8	3-1/2	3/32	4-1/8	3/4	0,557	6,260	13,8	4,218	9,3
17	TL-STT80Q17	Q2	5,950	5,442	24	2-5/8	3-29/32	3-1/2	1/8	4-1/8	3/4	0,557	6,486	14,3	4,445	9,8
18	TL-STT80Q18	Q2	6,270	5,759	24	2-5/8	3-29/32	3-1/2	1/8	4-1/8	3/4	0,557	7,484	16,5	5,443	12,0
19	TL-STT80Q19	Q2	6,590	6,076	24	2-5/8	3-29/32	3-1/2	1/8	4-1/8	3/4	0,557	8,346	18,4	6,305	13,9
20	TL-STT80R20	R1	6,910	6,392	24	3-3/4	4-1/32	2-7/8	7/8	5-3/8	7/8	0,557	8,029	17,7	4,627	10,2
21	TL-STT80R21	R1	7,240	6,710	24	3-3/4	4-1/32	2-7/8	7/8	5-3/8	7/8	0,557	9,026	19,9	5,625	12,4
22	TL-STT80R22	R1	7,560	7,027	24	3-3/4	4-1/32	2-7/8	7/8	5-3/8	7/8	0,557	10,024	22,1	6,622	14,6
23	TL-STT80R23	R1	7,880	7,344	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	10,614	23,4	7,212	15,9
24	TL-STT80R24	R1	8,200	7,661	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	3,266	7,2	8,391	18,5
25	TL-STT80R25	R1	8,520	7,979	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	5,443	12,0	9,208	20,3
26	TL-STT80R26	R1	8,840	8,296	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	5,715	12,6	10,614	23,4
27	TL-STT80R27	R1	9,160	8,614	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	6,260	13,8	11,703	25,8
28	TL-STT80R28	R1	9,480	8,931	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	6,486	14,3	12,746	28,1
30	TL-STT80R30	R1	10,110	9,567	25	3-3/4	3-5/32	2-7/8	0	5-3/8	0	0,557	7,484	16,5	15,105	33,3
36	TL-STT80S36	S1	12,030	11,474	22	4-1/4	5-1/8	4-3/8	0	6-3/8	1-1/2	0,557	8,346	18,4	30,391	67,0
42	TL-STT80S42	S1	13,940	13,382	22	4-1/4	5-1/8	4-3/8	0	6-3/8	1-1/2	0,557	8,029	17,7	43,590	96,1
45	TL-STT80S45	S1	14,900	14,336	22	4-1/4	5-1/8	4-3/8	0	6-3/8	1-1/2	0,557	9,026	19,9	50,802	112,0
52	TL-STT80U52	U0	17,130	16,562	22	5-1/2	5-23/32	5-1/4	0	8-3/8	1-25/32	0,557	10,024	22,1	68,039	150,0
60	TL-STT80U60	U0	19,680	19,107	22	5-1/2	5-23/32	5-1/4	0	8-3/8	1-25/32	0,557	10,614	23,4	93,894	207,0
68	TL-STT80U68	U0	22,230	21,653	22	5-1/2	5-23/32	5-1/4	0	8-3/8	1-25/32	0,557	10,614	23,4	122,924	271,0
76	TL-STT80U76	U0	24,780	24,198	22	5-1/2	5-23/32	5-1/4	0	8-3/8	1-25/32	0,557	10,614	23,4	156,036	344,0
95	TL-STT80U95	U0	30,830	30,245	25	5-1/2	5-55/64	5-1/4	1/32	8-3/8	1-13/32	0,557	10,614	23,4	83,007	183,0



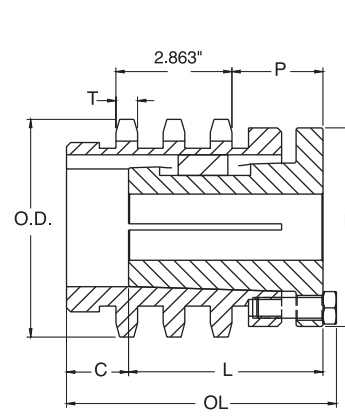
Type 22



Type 24



Type 25



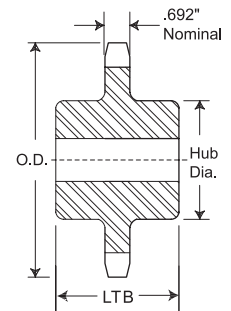
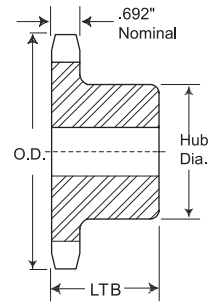
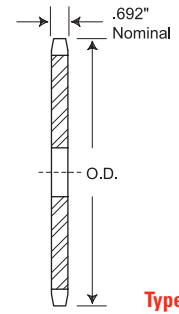
Type 27

# NO 100 1 1/4" PITCH TYPE A, B & C

## Type A

## Type B, C

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
7	3,350	TL-100A7	1	0,544	1,2								
8	3,770	TL-100A8	1	0,635	1,4	TL-100B8	B	1	1 1/4	2 7/16	1 7/8	1,043	2,3
9	4,180	TL-100A9	1	0,726	1,6	TL-100B9	B	1	1 5/8	2 13/16	1 7/8	1,451	3,2
10	4,600	TL-100A10	1	0,907	2,0	TL-100B10	B	1	1 7/8	3 1/4	1 7/8	1,860	4,1
11	5,010	TL-100A11	1 1/4	1,134	2,5	TL-100B11	B	1	2 1/4	3 9/16	1 7/8	2,404	5,3
12	5,420	TL-100A12	1 1/4	1,361	3,0	TL-100B12	B	1	2 1/4	4	1 7/8	2,903	6,4
13	5,820	TL-100A13	1 1/4	1,588	3,5	TL-100B13	B	1	2 3/8	3 7/8	1 5/8	2,994	6,6
14	6,230	TL-100A14	1 1/4	1,860	4,1	TL-100B14	B	1 1/4	2 3/4	4 3/16	1 5/8	3,357	7,4
15	6,630	TL-100A15	1 1/4	2,132	4,7	TL-100B15	B	1 1/4	3	4 1/2	1 3/4	4,173	9,2
16	7,030	TL-100A16	1 1/4	2,449	5,4	TL-100B16	B	1 5/16	3	4 1/2	1 3/4	4,491	9,9
17	7,440	TL-100A17	1 1/4	2,767	6,1	TL-100B17	B	1 5/16	3	4 1/2	1 3/4	4,899	10,8
18	7,840	TL-100A18	1 1/4	3,175	7,0	TL-100B18	B	1 5/16	3	4 1/2	1 3/4	5,216	11,5
19	8,240	TL-100A19	1 1/4	3,538	7,8	TL-100B19	B	1 5/16	3	4 1/2	2	5,942	13,1
20	8,640	TL-100A20	1 1/4	3,992	8,8	TL-100B20	B	1 5/16	3	4 1/2	2	6,441	14,2
21	9,040	TL-100A21	1 1/4	4,445	9,8	TL-100B21	B	1 5/16	3	4 1/2	2	6,940	15,3
22	9,440	TL-100A22	1 1/4	4,763	10,5	TL-100B22	B	1 5/16	3	4 1/2	2	7,303	16,1
23	9,840	TL-100A23	1 1/4	5,352	11,8	TL-100B23	B	1 1/4	3	4 1/2	2	7,802	17,2
24	10,250	TL-100A24	1 1/4	5,806	12,8	TL-100B24	B	1 1/4	3	4 1/2	2	8,709	19,2
25	10,650	TL-100A25	1 1/4	6,305	13,9	TL-100B25	B	1 1/4	3	4 1/2	2	8,845	19,5
26	11,050	TL-100A26	1 1/4	6,804	15,0	TL-100B26	B	1 1/4	3 5/16	5	2	9,843	21,7
27	11,440	TL-100A27	1 1/4	7,257	16,0	TL-100B27	B	1 1/4	3 5/16	5	2	10,433	23,0
28	11,840	TL-100A28	1 1/4	7,893	17,4	TL-100B28	B	1 1/4	3 5/16	5	2	11,068	24,4
29	12,240	TL-100A29	1 1/4	8,890	19,6	TL-100B29	B	1 1/4	3 5/16	5	2	11,340	25,0
30	12,640	TL-100A30	1 1/4	9,117	20,1	TL-100B30	B	1 1/4	3 5/16	5	2	12,202	26,9
31	13,040	TL-100A31	1 1/4	9,752	21,5								
32	13,440	TL-100A32	1 1/4	10,251	22,6	TL-100B32	B	1 1/4	3 5/16	5	2	13,517	29,8
33	13,840	TL-100A33	1 1/4	10,932	24,1								
34	14,240	TL-100A34	1 1/4	11,793	26,0								
35	14,640	TL-100A35	1 1/4	12,338	27,2	TL-100B35	B	1 1/4	3 5/16	5	2 1/2	16,738	36,9
36	15,040	TL-100A36	1 1/4	13,608	30,0	TL-100B36	B	1 1/4	3 5/16	5	2 1/2	17,509	38,6
37	15,440	TL-100A37	1 1/4	14,061	31,0								
38	15,840	TL-100A38	1 1/4	14,969	33,0	TL-100B38	B	1 1/4	3 5/16	5	2 1/2	18,824	41,5
39	16,230	TL-100A39	1 1/4	15,876	35,0	TL-100B39	B	1 1/4	3 5/16	5	2 1/2	19,777	43,6
40	16,630	TL-100A40	1 1/4	16,329	36,0	TL-100B40	B	1 1/4	3 5/16	5	2 1/2	21,273	46,9
41	17,030	TL-100A41	1 1/4	17,690	39,0								
42	17,430	TL-100A42	1 1/4	18,144	40,0	TL-100B42	B	1 1/4	3 5/16	5	2 1/2	22,861	50,4
43	17,830	TL-100A43	1 1/2	19,504	43,0								
44	18,230	TL-100A44	1 1/2	20,412	45,0								
45	18,630	TL-100A45	1 1/2	21,319	47,0	TL-100B45	B	1 1/2	3 5/16	5	2 1/2	24,494	54,0
46	19,020	TL-100A46	1 1/2	21,772	48,0								
47	19,420	TL-100A47	1 1/2	23,587	52,0								
48	19,820	TL-100A48	1 1/2	24,494	54,0	TL-100B48	B	1 1/2	4	6	2 1/2	29,937	66,0
49	20,220	TL-100A49	1 1/2	25,401	56,0								
50	2,620	TL-100A50	1 1/2	25,855	57,0								
51	21,020	TL-100A51	1 1/2	28,576	63,0								
52	21,420	TL-100A52	1 1/2	29,030	64,0								
53	21,810	TL-100A53	1 1/2	29,121	64,2								
54	22,210	TL-100A54	1 1/2	30,844	68,0	TL-100C54	C	1 1/2	4	6	3 1/4	35,380	78,0
55	22,610	TL-100A55	1 1/2	31,751	70,0								
56	23,010	TL-100A56	1 1/2	32,659	72,0								
57	23,410	TL-100A57	1 1/2	34,382	75,8								
58	23,810	TL-100A58	1 1/2	34,473	76,0								
59	24,200	TL-100A59	1 1/2	34,927	77,0								



NEXT >



**Type A**

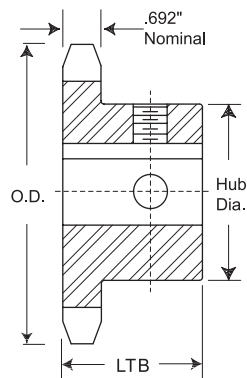
**Type B, C**

NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
60	24,600	TL-100A60	1 1/2	36,287	80,0	TL-100C60	C	1 1/2	4	6	3 1/4	40,370	89,0
70	28,580	TL-100A70	1 1/2	51,256	113	TL-100C70	C	1 1/2	5 1/4	7	3 3/4	56,699	125
72	29,380	TL-100A72	1 1/2	53,977	119	TL-100C72	C	1 1/2	5 1/4	7	3 3/4	60,781	134
76	30,973	TL-100A76	1 1/2	60,328	133	TL-100C76	C	1 1/2	5 1/4	7	3 3/4	64,864	143
80	32,570	TL-100A80	1 1/2	66,224	146	TL-100C80	C	1 1/2	5 1/4	7	3 3/4	68,492	151
84	34,160	TL-100A84	1 1/2	73,482	162	TL-100C84	C	1 1/2	5 1/4	7	3 3/4	77,111	170
90	36,550	TL-100A90	1 1/2	87,543	193	TL-100C90	C	1 1/2	5 1/4	7	3 3/4	83,461	184
96	38,930	TL-100A96	1 1/2	97,522	215	TL-100C96	C	1 1/2	5 1/4	7	4 1/2	92,079	203

**NO 100 1 1/4" PITCH  
TYPE BS**

**Type BS**

NO TEETH	OD Inch	REFERENCE	LTB	WEIGHT	
				Kgs	Lbs
8	3,770	TL-100BS8	1 7/8	1,270	2,8
9	4,180	TL-100BS9	1 7/8	1,361	3,0
10	4,600	TL-100BS10	1 7/8	1,769	3,9
11	5,010	TL-100BS11	1 7/8	2,223	4,9
12	5,420	TL-100BS12	1 7/8	2,722	6,0
13	5,820	TL-100BS13	1 5/8	2,812	6,2
14	6,230	TL-100BS14	1 5/8	2,994	6,6
15	6,630	TL-100BS15	1 3/4	3,810	8,4
16	7,030	TL-100BS16	1 3/4	4,082	9,0
17	7,440	TL-100BS17	1 3/4	4,491	9,9
18	7,840	TL-100BS18	1 3/4	4,808	10,6
19	8,240	TL-100BS19	2	5,488	12,1
20	8,640	TL-100BS20	2	5,987	13,2
21	9,040	TL-100BS21	2	6,486	14,3
22	9,440	TL-100BS22	2	6,849	15,1
23	9,840	TL-100BS23	2	7,303	16,1
24	10,250	TL-100BS24	2	8,210	18,1
25	10,650	TL-100BS25	2	8,346	18,4



Delivered with two Setscrews disposed at 90°.  
Keyway is cut at the tooth centerline.

Bore to size in inches or mm.  
Screw drawn to keyway center.

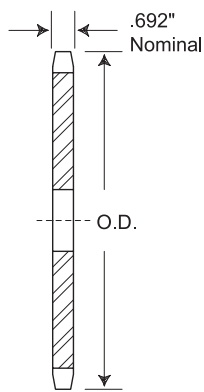


# NO 100 1 1/4" PITCH TYPE STAINLESS STEEL

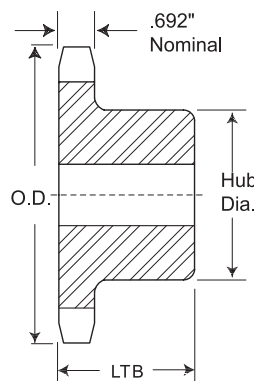
## Type A

## Type B, C

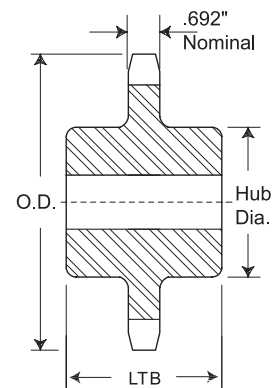
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
11	5,010					TL-100BSS11	1	2 1/4	3 9/16	1 7/8	2,404	5,3
12	5,420					TL-100BSS12	1	2 1/4	4	1 7/8	2,903	6,4
13	5,820					TL-100BSS13	1	2 3/8	3 7/8	1 5/8	2,994	6,6
14	6,230					TL-100BSS14	1 1/4	2 3/4	4 3/16	1 5/8	3,357	7,4
15	6,630					TL-100BSS15	1 1/4	3	4 1/2	1 3/4	4,173	9,2
16	7,030	TL-100ASS16	1 1/4	2,449	5,4	TL-100BSS16	1 5/16	3	4 1/2	1 3/4	4,491	9,9
17	7,440	TL-100ASS17	1 1/4	2,767	6,1	TL-100BSS17	1 5/16	3	4 1/2	1 3/4	4,899	10,8
18	7,840	TL-100ASS18	1 1/4	3,175	7,0	TL-100BSS18	1 5/16	3	4 1/2	1 3/4	5,216	11,5
19	8,240	TL-100ASS19	1 1/4	3,538	7,8	TL-100BSS19	1 5/16	3	4 1/2	2	5,942	13,1
20	8,640	TL-100ASS20	1 1/4	3,992	8,8	TL-100BSS20	1 5/16	3	4 1/2	2	6,441	14,2
21	9,040	TL-100ASS21	1 1/4	4,445	9,8	TL-100BSS21	1 5/16	3	4 1/2	2	6,940	15,3



Type A



Type B

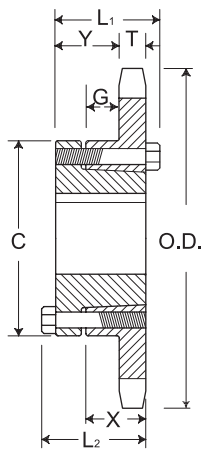


Type C

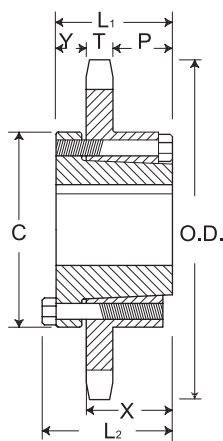
# NO 100 1 1/4" PITCH TYPE QD

## Type QD

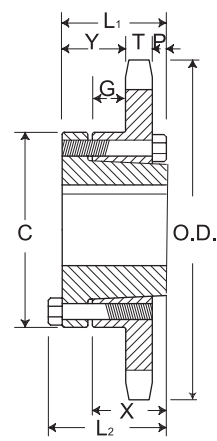
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	X	T	Kgs	Lbs	Kgs
11	5,010	4,437	SDS	B	TL-100SDS11	2	1 1/2	1 1/2	3 3/16	5/8		1/16	3/4	0,692	1,361	3,0	0,907	2,0
12	5,420	4,830	SDS	B	TL-100SDS12	2	1 1/2	1 1/2	3 3/16	5/8		1/16	3/4	0,692	1,633	3,6	1,179	2,6
13	5,820	5,223	SK	B	TL-100SK13	2 5/8	2 1/8	2 1/8	3 7/8	1 13/64		9/16	1 1/4	0,692	2,404	5,3	1,497	3,3
14	6,230	5,617	SK	B	TL-100SK14	2 5/8	2 1/8	2 1/8	3 7/8	1 13/64		9/16	1 1/4	0,692	2,767	6,1	1,860	4,1
15	6,630	6,012	SF	B	TL-100SF15	2 15/16	2 1/4	2 1/4	4 5/8	1 19/64		9/16	1 1/4	0,692	3,538	7,8	2,177	4,8
16	7,030	6,407	SF	B	TL-100SF16	2 15/16	2 1/4	2 1/4	4 5/8	1 19/64		9/16	1 1/4	0,692	3,901	8,6	2,540	5,6
17	7,440	6,803	SF	B	TL-100SF17	2 15/16	2 1/4	2 1/4	4 5/8	1 19/64		9/16	1 1/4	0,692	4,309	9,5	2,948	6,5
18	7,840	7,198	E	B1	TL-100E18	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	8,618	19,0	4,082	9,0
19	8,240	7,595	E	B1	TL-100E19	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	9,163	20,2	4,627	10,2
20	8,640	7,991	E	B1	TL-100E20	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	9,798	21,6	5,262	11,6
21	9,040	8,387	E	B1	TL-100E21	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	10,206	22,5	5,670	12,5
22	9,440	8,783	E	B1	TL-100E22	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	10,659	23,5	6,123	13,5
23	9,840	9,180	E	B1	TL-100E23	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	11,158	24,6	6,622	14,6
24	10,250	9,577	E	B1	TL-100E24	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	11,657	25,7	7,121	15,7
25	10,650	9,973	E	B1	TL-100E25	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	12,156	26,8	7,620	16,8
26	11,050	10,370	E	B1	TL-100E26	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	12,746	28,1	8,210	18,1
27	11,440	10,767	E	B1	TL-100E27	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	13,245	29,2	8,709	19,2
28	11,840	11,164	E	B1	TL-100E28	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	13,925	30,7	9,389	20,7
30	12,640	11,958	E	B1	TL-100E30	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	15,059	33,2	10,523	23,2
32	13,440	12,753	E	B1	TL-100E32	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	16,057	35,4	11,521	25,4
35	14,640	13,945	E	B1	TL-100E35	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	18,370	40,5	13,835	30,5
36	15,040	14,342	E	B1	TL-100E36	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	19,278	42,5	14,651	32,3
40	16,630	15,932	E	B1	TL-100E40	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	22,271	49,1	17,735	39,1
42	17,430	16,727	E	B1	TL-100E42	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	24,222	53,4	19,686	43,4
45	18,630	17,920	E	B1	TL-100E45	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	26,717	58,9	22,181	48,9
48	19,820	19,112	E	B1	TL-100E48	3 1/2	2 5/8	2 15/16	6	1 13/16	1/8	15/16	1 5/8	0,692	29,030	64,0	24,494	54,0
54	22,210	21,498	E	C	TL-100E54	3 1/2	2 5/8	2 15/16	6	7/8	1 1/16	15/16	1 5/8	0,692	32,659	72,0	28,123	62,0
60	24,600	23,884	E	C	TL-100E60	3 1/2	2 5/8	2 15/16	6	7/8	1 1/16	15/16	1 5/8	0,692	38,102	84,0	33,566	74,0
70	28,580	27,862	F	C	TL-100F70	3 15/16	3 5/8	4	6 5/8	1	1 15/16	1 13/16	2 1/2	0,692	50,122	110,5	44,906	99,0
72	29,380	28,657	F	C	TL-100F72	3 15/16	3 5/8	4	6 5/8	1	1 15/16	1 13/16	2 1/2	0,692	53,297	117,5	48,081	106
80	32,570	31,839	F	C	TL-100F80	3 15/16	3 5/8	4	6 5/8	1	1 15/16	1 13/16	2 1/2	0,692	61,008	134,5	55,792	123
84	34,160	33,430	F	C	TL-100F84	3 15/16	3 5/8	4	6 5/8	1	1 15/16	1 13/16	2 1/2	0,692	68,719	151,5	63,503	140



QD - Type B



QD - Type C



QD - Type B1

# NO 100 1 1/4" PITCH TYPE TAPER BUSH

## Taper Bushed

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)	DIMENSIONS		WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch				L	C	Kgs	Lbs	Kgs	Lbs
11	5,007	4,437	1615	TL-100BTB11	1 5/8	1 1/2	3	1,225	2,7	0,544	1,2
12	5,415	4,830	1615	TL-100BTB12	1 5/8	1 1/2	3 1/4	1,588	3,5	0,544	1,2
13	5,821	5,223	2012	TL-100BTB13	2	1 1/4	3 9/16	1,633	3,6	0,771	1,7
14	6,227	5,617	2012	TL-100BTB14	2	1 1/4	3 9/16	1,769	3,9	0,771	1,7
15	6,631	6,012	2517	TL-100BTB15	2 1/2	1 3/4	4 1/4	2,268	5,0	1,588	3,5
16	7,034	6,407	2517	TL-100BTB16	2 1/2	1 3/4	4 1/2	2,903	6,4	1,588	3,5
17	7,437	6,803	2517	TL-100BTB17	2 1/2	1 3/4	4 1/2	3,221	7,1	1,588	3,5
18	7,839	7,198	2517	TL-100BTB18	2 1/2	1 3/4	4 1/2	3,538	7,8	1,588	3,5
19	8,241	7,594	2517	TL-100BTB19	2 1/2	1 3/4	4 1/2	3,946	8,7	1,588	3,5
20	8,642	7,991	2517	TL-100BTB20	2 1/2	1 3/4	4 1/2	4,354	9,6	1,588	3,5
21	9,043	8,387	2517	TL-100BTB21	2 1/2	1 3/4	4 1/2	4,808	10,6	1,588	3,5
22	9,444	8,783	2517	TL-100BTB22	2 1/2	1 3/4	4 1/2	4,990	11,0	1,588	3,5
24	10,245	9,577	2517	TL-100BTB24	2 1/2	1 3/4	4 1/2	5,897	13,0	1,588	3,5
26	11,045	10,370	2517	TL-100BTB26	2 1/2	1 3/4	4 1/2	6,804	15,0	1,588	3,5
28	11,844	11,164	3020	TL-100BTB28	3	2	5 1/4	7,484	16,5	2,948	6,5
30	12,643	11,958	3020	TL-100BTB30	3	2	5 1/4	9,979	22,0	2,948	6,5
32	13,442	12,753	3020	TL-100BTB32	3	2	5 1/4	10,433	23,0	2,948	6,5
35	14,639	13,945	3020	TL-100BTB35	3	2	5 1/4	12,701	28,0	2,948	6,5
36	15,038	14,342	3020	TL-100BTB36	3	2	5 1/4	14,061	31,0	2,948	6,5
40	16,633	15,932	3020	TL-100BTB40	3	2	5 1/4	16,783	37,0	2,948	6,5
45	18,626	17,919	3020	TL-100BTB45	3	2	5 1/4	20,865	46,0	2,948	6,5
48	19,821	19,112	3020	TL-100BTB48	3	2	5 1/4	24,040	53,0	2,948	6,5
54	22,212	21,498	3020	TL-100BTB54	3	2	5 1/4	28,123	62,0	2,948	6,5
60	24,601	23,884	3020	TL-100BTB60	3	2	5 1/4	32,659	72,0	2,948	6,5

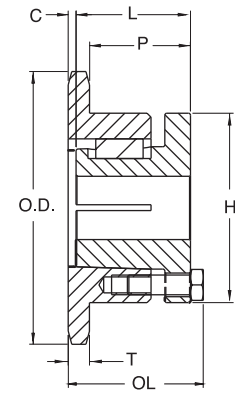
# NO 100 1 1/4" PITCH TYPE SPLIT TAPER

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
11	TL-ST100P11	P1	5,010	4,437	4	1-3/4	2-3/16	1-15/16		3	1-1/4	0,692	1,860	4,1	1,270	2,8
12	TL-ST100Q12	Q1	5,420	4,830	4	2-11/16	2-27/32	2-1/2	1/16	4-1/8	1-7/8	0,692	3,175	7,0	1,588	3,5
13	TL-ST100Q13	Q1	5,820	5,223	4	2-11/16	2-27/32	2-1/2	1-16	4-1/8	1-7/8	0,692	3,538	7,8	1,950	4,3
14	TL-ST100Q14	Q1	6,230	5,617	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	4,128	9,1	2,540	5,6
15	TL-ST100Q15	Q1	6,630	6,012	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	4,581	10,1	2,994	6,6
16	TL-ST100Q16	Q1	7,030	6,407	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	4,944	10,9	3,357	7,4
17	TL-ST100Q17	Q1	7,440	6,803	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	5,307	11,7	3,719	8,2
18	TL-ST100Q18	Q1	7,840	7,198	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	5,670	12,5	4,082	9,0
19	TL-ST100Q19	Q1	8,240	7,595	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	6,033	13,3	4,445	9,8
20	TL-ST100Q20	Q1	8,640	7,991	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	6,532	14,4	4,944	10,9
21	TL-ST100Q21	Q1	9,040	8,387	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	6,940	15,3	5,352	11,8
21	TL-ST100R21	R1	9,040	8,387	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	9,435	20,8	6,033	13,3
22	TL-ST100Q22	Q1	9,440	8,783	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	7,303	16,1	5,715	12,6
23	TL-ST100Q23	Q1	9,840	9,180	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	7,847	17,3	6,260	13,8
24	TL-ST100Q24	Q1	10,250	9,577	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	8,573	18,9	6,985	15,4
24	TL-ST100R24	R1	10,250	9,577	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	10,478	23,1	7,076	15,6
25	TL-ST100Q25	Q1	10,650	9,973	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	8,845	19,5	7,257	16,0
25	TL-ST100R25	R1	10,650	9,973	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	11,113	24,5	7,711	17,0

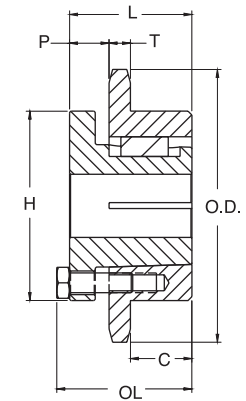
NEXT >

# NO 100 1 1/4" PITCH TYPE SPLIT TAPER

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS					WEIGHT HUB		WEIGHT RIM		
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T(nom)	Kgs	Lbs	Kgs	Lbs
26	TL-ST100Q26	Q1	11,050	10,370	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	9,435	20,8	7,847	17,3
26	TL-ST100R26	R1	11,050	10,370	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	11,521	25,4	8,119	17,9
27	TL-ST100Q27	Q1	11,440	10,767	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	9,843	21,7	8,255	18,2
27	TL-ST100R27	R1	11,440	10,767	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	12,292	27,1	8,890	19,6
28	TL-ST100Q28	Q1	11,840	11,164	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	10,478	23,1	8,890	19,6
28	TL-ST100R28	R1	11,840	11,164	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	12,927	28,5	9,525	21,0
30	TL-ST100Q30	Q1	12,640	11,958	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	11,748	25,9	10,160	22,4
30	TL-ST100R30	R1	12,640	11,958	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	14,515	32,0	11,113	24,5
32	TL-ST100Q32	Q1	13,440	12,753	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	13,063	28,8	11,476	25,3
32	TL-ST100R32	R1	13,440	12,753	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	15,422	34,0	12,020	26,5
35	TL-ST100Q35	Q1	14,640	13,945	4	2-11/16	2-25/32	2-1/2		4-1/8	1-13/16	0,692	15,286	33,7	13,698	30,2
35	TL-ST100R35	R1	14,640	13,945	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	16,919	37,3	18,053	39,8
36	TL-ST100R36	R1	15,040	14,342	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	18,370	40,5	14,969	33,0
40	TL-ST100R40	R1	16,630	15,932	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	21,954	48,4	18,552	40,9
42	TL-ST100R42	R1	17,430	16,727	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	23,496	51,8	20,094	44,3
45	TL-ST100R45	R1	18,630	17,920	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	26,308	58,0	22,906	50,5
48	TL-ST100R48	R1	19,820	19,112	4	3-3/4	3-5/32	2-7/8		5-3/8	2-3/16	0,692	29,484	65,0	26,082	57,5
54	TL-ST100R54	R1	22,210	21,498	5	3-3/4	3-5/32	2-7/8	1-5/16	5-3/8	7/8	0,692	34,700	76,5	31,298	69,0
60	TL-ST100R60	R1	24,600	23,884	5	3-3/4	3-5/32	2-7/8	1-5/16	5-3/8	7/8	0,692	41,504	91,5	38,102	84,0
70	TL-ST100R70	R1	28,580	27,862	5	3-3/4	3-5/32	2-7/8	1-5/16	5-3/8	7/8	0,692	50,576	111,5	47,174	104,0
72	TL-ST100R72	R1	29,380	28,657	5	3-3/4	3-5/32	2-7/8	1-5/16	5-3/8	7/8	0,692	51,483	113,5	48,081	106,0
80	TL-ST100R80	R1	32,570	31,839	5	3-3/4	3-5/32	2-7/8	1-5/16	5-3/8	7/8	0,692	64,637	142,5	61,235	135,0
84	TL-ST100R84	R1	34,160	33,430	5	3-3/4	3-5/32	2-7/8	1-5/16	5-3/8	7/8	0,692	65,998	145,5	62,596	138,0



Type 4

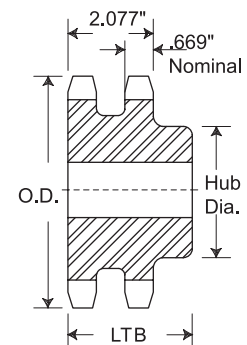
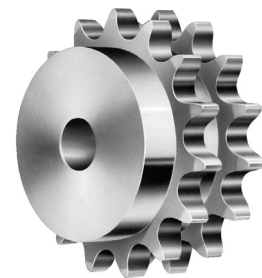


Type 5

# NO 100-2 1 1/4" PITCH DOUBLE. TYPE B & C

Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
9	4,180	B	TL-100-2B9	1	1 5/8	2 3/8	2 7/8	2,087	4,6
10	4,600	B	TL-100-2B10	1	1 7/8	2 3/4	2 7/8	2,812	6,2
11	5,010	B	TL-100-2B11	1	2 1/8	3 1/8	2 7/8	3,583	7,9
12	5,420	B	TL-100-2B12	1 1/8	2 1/4	3 3/8	2 7/8	4,218	9,3
13	5,820	B	TL-100-2B13	1 1/8	2 1/2	3 13/16	2 7/8	5,171	11,4
14	6,230	B	TL-100-2B14	1 1/8	2 3/4	4 3/16	2 7/8	6,169	13,6
15	6,630	B	TL-100-2B15	1 1/4	3 1/8	4 5/8	3 1/8	7,756	17,1
16	7,030	B	TL-100-2B16	1 1/4	3 5/16	5	3 1/8	9,117	20,1
17	7,440	B	TL-100-2B17	1 1/4	3 1/2	5 1/4	3 1/8	10,478	23,1
18	7,840	B	TL-100-2B18	1 1/4	3 1/2	5 1/4	3 1/8	11,521	25,4
19	8,240	B	TL-100-2B19	1 1/4	3 3/4	5 1/2	3 3/8	13,426	29,6
20	8,640	B	TL-100-2B20	1 1/4	3 3/4	5 1/2	3 3/8	14,696	32,4
21	9,040	B	TL-100-2B21	1 1/4	3 3/4	5 1/2	3 3/8	16,012	35,3
22	9,440	B	TL-100-2B22	1 1/4	3 3/4	5 1/2	3 3/8	17,418	38,4
23	9,840	B	TL-100-2B23	1 1/4	3 3/4	5 1/2	3 3/8	18,733	41,3
24	10,250	B	TL-100-2B24	1 1/4	3 3/4	5 3/4	3 3/8	20,457	45,1



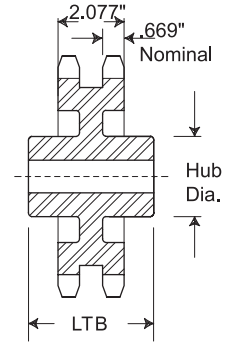
Type B

NEXT >



### Type B, C

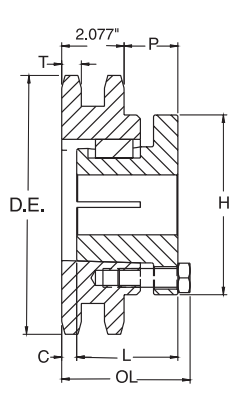
NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
25	10,650	B	TL-100-2B25	1 1/4	3 3/4	5 3/4	3 3/8	21,999	48,5
26	11,050	B	TL-100-2B26	1 1/2	3 3/4	5 3/4	3 3/8	23,360	51,5
30	12,640	B	TL-100-2B30	1 1/2	3 3/4	5 3/4	3 3/8	29,484	65,0
35	14,640	C	TL-100-2C35	1 1/2	3 13/16	6	4 1/4	34,019	75,0
45	18,630	C	TL-100-2C45	1 1/2	3 13/16	6	4 1/2	46,720	103
60	24,600	C	TL-100-2C60	1 1/2	5 3/8	7 1/2	5	79,379	175
70	28,580	C	TL-100-2C70	1 1/2	5 3/8	7 1/2	5	89,358	197
80	32,570	C	TL-100-2C80	1 1/2	5 3/8	7 1/2	5	104,780	231



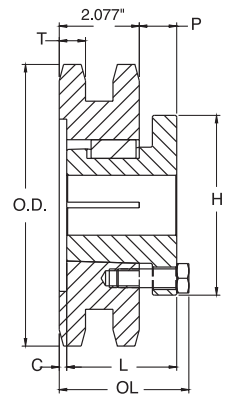
Type C

## NO 100-2 1 1/4" PITCH DOUBLE. SPLIT TAPER

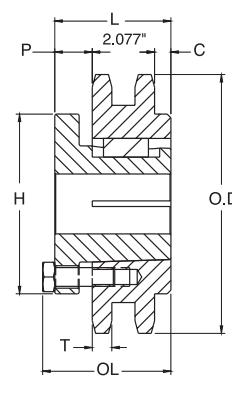
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
11	TL-STD100P11	P1	5,010	4,437	14	1-3/4	2-15/16	1-15/16	3/4	3	5/8	0,669	2,722	6,0	2,132	4,7
12	TL-STD100Q12	Q2	5,420	4,830	12	2-5/8	4-7/32	3-1/2	7/16	4-1/8	1-55/64	0,669	4,717	10,4	2,676	5,9
13	TL-STD100Q13	Q2	5,820	5,223	12	2-5/8	4-7/32	3-1/2	7/16	4-1/8	1-55/64	0,669	5,625	12,4	3,583	7,9
14	TL-STD100Q14	Q1	6,230	5,617	14	2-11/16	3-3/32	2-1/2	5/16	4-1/8	3/4	0,669	4,944	10,9	3,357	7,4
15	TL-STD100Q15	Q1	6,630	6,012	14	2-11/16	3-3/32	2-1/2	5/16	4-1/8	3/4	0,669	5,715	12,6	4,128	9,1
16	TL-STD100Q16	Q1	7,030	6,407	14	2-11/16	3-3/32	2-1/2	5/16	4-1/8	3/4	0,669	6,532	14,4	4,944	10,9
17	TL-STD100R17	R1	7,440	6,803	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	7,938	17,5	4,536	10,0
18	TL-STD100R18	R1	7,840	7,198	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	8,981	19,8	5,579	12,3
19	TL-STD100R19	R1	8,240	7,595	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	10,160	22,4	6,759	14,9
20	TL-STD100R20	R1	8,640	7,991	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	11,294	24,9	7,893	17,4
21	TL-STD100R21	R1	9,040	8,387	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	12,610	27,8	9,208	20,3
22	TL-STD100R22	R1	9,440	8,783	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	13,744	30,3	10,342	22,8
24	TL-STD100R23	R1	10,250	9,577	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	16,783	37,0	13,381	29,5
35	TL-STD100R35	R1	14,640	13,945	14	3-3/4	3-7/32	2-7/8	1/16	5-3/8	7/8	0,669	38,238	84,3	34,836	76,8
45	TL-STD100S45	S1	18,630	17,920	15	4-1/4	4-3/4	4-3/8	1-15/64	6-3/8	1-1/16	0,669	68,719	151,5	62,596	138,0
60	TL-STD100S60	S1	24,600	23,884	15	4-1/4	4-3/4	4-3/8	1-15/64	6-3/8	1-1/16	0,669	119,975	264,5	113,852	251,0
70	TL-STD100S70	S1	28,580	27,862	18	4-1/4	7-1/8	6-3/4	2-1/4	6-3/8	2-7/16	0,669	168,510	371,5	162,386	358,0
80	TL-STD100S80	S1	32,570	31,839	18	4-1/4	7-1/8	6-3/4	2-1/4	6-3/8	2-7/16	0,669	201,622	444,5	195,498	431,0



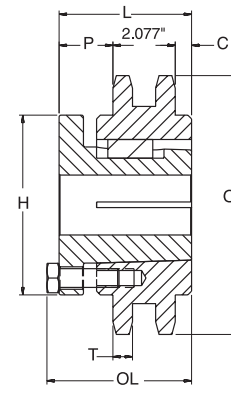
Type 12



Type 14



Type 15



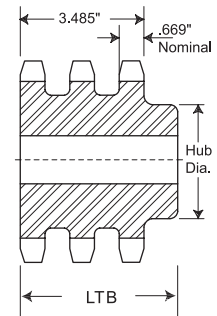
Type 18



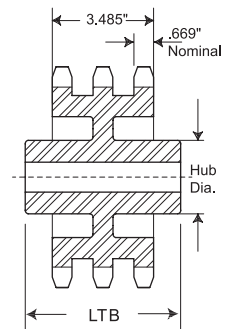
# NO 100-3 1 1/4" PITCH TRIPLE. TYPE B & C

## Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
11	5,010	B	TL-100-3B11	1	2 1/8	3 1/8	4 1/4	5,307	11,70
12	5,420	B	TL-100-3B12	1 1/8	2 1/4	3 3/8	4 1/4	6,214	13,70
13	5,820	B	TL-100-3B13	1 1/8	2 1/2	3 13/16	4 1/4	7,666	16,90
14	6,230	B	TL-100-3B14	1 1/8	2 3/4	4 3/16	4 1/4	9,163	20,20
15	6,630	B	TL-100-3B15	1 1/4	3 1/8	4 5/8	4 1/2	11,340	25,00
16	7,030	B	TL-100-3B16	1 1/4	3 5/16	5	4 1/2	13,290	29,30
17	7,440	B	TL-100-3B17	1 1/4	3 1/2	5 1/4	4 1/2	15,331	33,80
18	7,840	B	TL-100-3B18	1 1/4	3 1/2	5 1/4	4 3/4	17,509	38,60
19	8,240	B	TL-100-3B19	1 1/4	3 3/4	5 1/2	4 3/4	19,641	43,30
20	8,640	B	TL-100-3B20	1 1/4	3 3/4	5 1/2	4 3/4	21,727	47,90
21	9,040	B	TL-100-3B21	1 1/4	3 3/4	5 1/2	4 3/4	23,723	52,30
22	9,440	B	TL-100-3B22	1 1/4	3 3/4	5 1/2	4 3/4	26,082	57,50
23	9,840	B	TL-100-3B23	1 1/4	3 3/4	5 1/2	4 3/4	28,350	62,50
24	10,250	B	TL-100-3B24	1 1/4	3 3/4	5 3/4	4 3/4	31,298	69
25	10,650	B	TL-100-3B25	1 1/4	3 3/4	5 3/4	4 3/4	33,112	73
26	11,050	B	TL-100-3B26	1 1/2	3 13/16	5 3/4	4 3/4	35,834	79
30	12,640	B	TL-100-3B30	1 1/2	3 13/16	5 3/4	4 3/4	46,720	103
35	14,640	C	TL-100-3C35	1 1/2	4	6	5	48,988	108
45	18,630	C	TL-100-3C45	1 1/2	4	6	5	64,864	143
60	24,600	C	TL-100-3C60	1 1/2	5 3/8	7 1/2	5	98,430	217
70	28,580	C	TL-100-3C70	1 1/2	5 3/8	7 1/2	5	118,841	262
80	32,570	C	TL-100-3C80	1 1/2	5 3/8	7 1/2	5	141,974	313



Type B

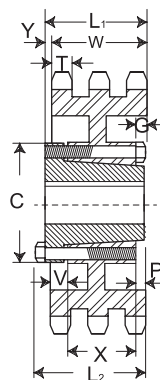


Type C

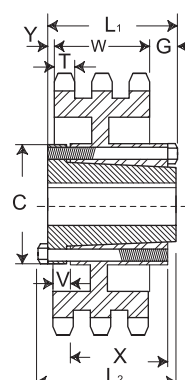
# NO 100-3 1 1/4" PITCH TRIPLE. TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs
35	14,640	13,945	F	B1	TL-100-3F35	3 15/16	3 63/64	4 23/64	6 5/8	1/2	23/64	1/8	1/2	2 1/2	0,669	3,485	50,802	112	45,359	100
45	18,630	17,820	F	B1	TL-100-3F45	3 15/16	3 63/64	4 23/64	6 5/8	1/2	23/64	1/8	1/2	2 1/2	0,669	3,485	63,049	139	54,431	120
60	24,600	28,884	J	C3	TL-100-3J60	4 7/16	4 1/2	5	7 1/4	1/2	33/64	3/8	11/16	3 3/16	0,669	3,485	89,358	197	80,739	178
70	28,580	27,862	J	C3	TL-100-3J70	4 7/16	4 1/2	5	7 1/4	1/2	33/64	3/8	11/16	3 3/16	0,669	3,485	112,037	247	103,419	228
80	32,570	31,839	J	C3	TL-100-3J80	4 7/16	4 1/2	5	7 1/4	1/2	33/64	3/8	11/16	3 3/16	0,669	3,485	130,181	287	121,563	268



QD - Type B1



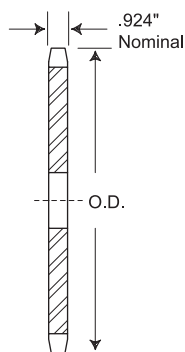
QD - Type C3

# NO 120 1 1/2" PITCH TYPE A, B & C

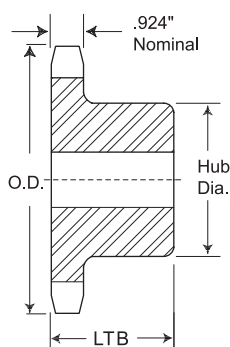
## Type A

## Type B, C

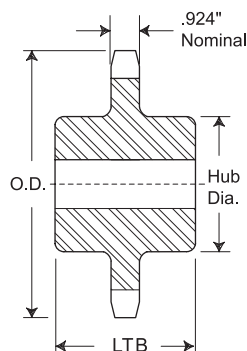
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
8	4,520	TL-120A8	1 1/4	1,089	2,40								
9	5,020	TL-120A9	1 1/4	1,361	3,00	TL-120B9	B	1 3/8	1 13/16	3 3/8	2 1/4	2,404	5,30
10	5,520	TL-120A10	1 1/4	1,724	3,80	TL-120B10	B	1 3/8	2 1/4	3 3/4	2 1/4	3,221	7,10
11	6,010	TL-120A11	1 1/4	2,177	4,80	TL-120B11	B	1 3/8	2 3/8	3 9/16	2 1/8	3,447	7,60
12	6,500	TL-120A12	1 1/4	2,631	5,80	TL-120B12	B	1 3/8	2 3/4	4 1/8	2 1/8	4,491	9,90
13	6,990	TL-120A13	1 1/4	3,039	6,70	TL-120B13	B	1 3/8	3	4 9/16	2 1/4	5,625	12,40
14	7,470	TL-120A14	1 1/4	3,629	8,00	TL-120B14	B	1 3/8	3 1/4	4 3/4	2 1/4	6,532	14,40
15	7,960	TL-120A15	1 1/4	4,128	9,10	TL-120B15	B	1 1/4	3 1/4	4 3/4	2 3/8	7,575	16,70
16	8,440	TL-120A16	1 1/4	4,808	10,60	TL-120B16	B	1 1/4	3 1/2	5 1/4	2 3/8	9,026	19,90
17	8,920	TL-120A17	1 1/4	5,715	12,60	TL-120B17	B	1 1/4	3 1/2	5 1/4	2 3/8	9,435	20,80
18	9,410	TL-120A18	1 1/4	6,169	13,60	TL-120B18	B	1 1/4	3 1/2	5 1/4	2 3/8	10,070	22,20
19	9,890	TL-120A19	1 1/4	6,849	15,10	TL-120B19	B	1 1/4	3 1/2	5 1/4	2 3/8	11,249	24,80
20	10,370	TL-120A20	1 1/4	7,666	16,90	TL-120B20	B	1 1/4	3 1/2	5 1/4	2 3/8	11,703	25,80
21	10,850	TL-120A21	1 1/4	8,482	18,70	TL-120B21	B	1 1/4	3 1/2	5 1/4	2 3/8	12,111	26,70
22	11,330	TL-120A22	1 1/4	9,072	20,00	TL-120B22	B	1 1/4	3 1/2	5 1/4	2 3/8	12,791	28,20
23	11,810	TL-120A23	1 1/4	10,024	22,10	TL-120B23	B	1 1/4	3 1/2	5 1/4	2 3/8	13,744	30,30
24	12,290	TL-120A24	1 1/4	11,249	24,80	TL-120B24	B	1 1/4	3 1/2	5 1/4	2 3/8	14,560	32,10
25	12,770	TL-120A25	1 1/4	12,156	26,80	TL-120B25	B	1 1/4	3 1/2	5 1/4	2 3/8	15,694	34,60
26	13,250	TL-120A26	1 1/2	12,837	28,30	TL-120B26	B	1 1/2	4	6	2 1/2	18,144	40,00
27	13,730	TL-120A27	1 1/2	14,016	30,90								
28	14,210	TL-120A28	1 1/2	15,241	33,60	TL-120B28	B	1 1/2	4	6	2 1/2	20,366	44,90
30	15,170	TL-120A30	1 1/2	17,690	39,00	TL-120B30	B	1 1/2	4	6	2 1/2	22,770	50,20
32	16,130	TL-120A32	1 1/2	19,913	43,90	TL-120B32	B	1 1/2	4	6	2 1/2	25,401	56,00
33	16,610	TL-120A33	1 1/2	21,863	48,20								
34	17,090	TL-120A34	1 1/2	22,680	50								
35	17,570	TL-120A35	1 1/2	23,587	52	TL-120B35	B	1 1/2	4	6	2 1/2	28,304	62,40
36	18,050	TL-120A36	1 1/2	25,401	56	TL-120B36	B	1 1/2	4	6	2 1/2	30,119	66,40
40	19,960	TL-120A40	1 1/2	32,205	71	TL-120C40	C	1 1/2	4	6	3 3/4	41,730	92,00
42	20,920	TL-120A42	1 1/2	34,019	75	TL-120C42	C	1 1/2	4	6	3 3/4	44,452	98,00
45	22,350	TL-120A45	1 1/2	39,916	88	TL-120C45	C	1 1/2	4	6	3 3/4	44,996	99,20
48	23,790	TL-120A48	1 1/2	46,720	103	TL-120C48	C	1 1/2	4	6	4	51,256	113
54	26,650	TL-120A54	1 1/2	63,503	140	TL-120C54	C	1 1/2	4	6	4	60,328	133
60	29,520	TL-120A60	1 1/2	72,575	160	TL-120C60	C	1 1/2	5 1/4	7	4	72,575	160
70	34,300	TL-120A70	1 1/2	97,976	216	TL-120C70	C	1 1/2	5 3/8	7 1/2	4 1/2	93,440	206
80	39,080	TL-120A80	1 1/2	128,820	284	TL-120C80	C	1 1/2	5 3/8	7 1/2	4 1/2	115,212	254
90	43,850	TL-120A90	1 1/2	162,386	358								



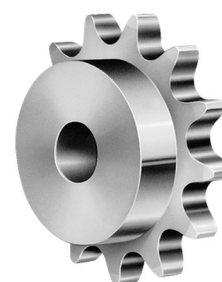
Type A



Type B



Type C

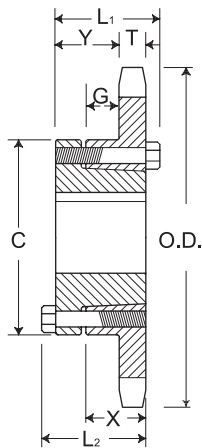




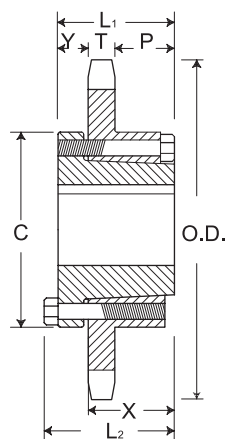
# NO 120 1 1/2" PITCH TYPE QD

## Type QD

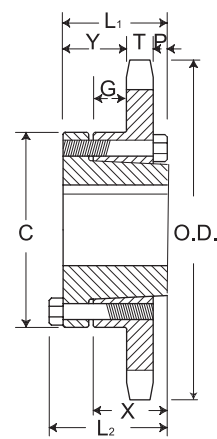
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	X	T	Kgs	Lbs	Kgs
12	6,500	5,796	SF	B	TL-120SF12	2 15/16	2 1/4	2 1/4	4 5/8	1 5/64		21/64	1 1/4	0,924	3,493	7,7	2,132	4,7
13	6,990	6,268	SF	B	TL-120SF13										4,128	9,1	2,767	6,1
14	7,470	6,740	SF	B	TL-120SF14										4,717	10,4	3,357	7,4
15	7,960	7,215	SF	B1	TL-120SF15	2 15/16	2 1/4	2 1/4	4 5/8	1 5/64		21/64	1 1/4	0,924	5,352	11,8	3,629	8,0
16	8,440	7,689	E	B1	TL-120E16	3 1/2	2 5/8	2 5/16	6	1 9/16	1/8	45/64	1 5/8	0,924	9,616	21,2	5,080	11,2
17	8,920	8,163	E	B1	TL-120E17										10,614	23,4	6,078	13,4
18	9,410	8,638	E	B1	TL-120E18										11,249	24,8	6,713	14,8
19	9,890	9,113	E	B1	TL-120E19										12,020	26,5	7,484	16,5
20	10,370	9,589	E	B1	TL-120E20										13,245	29,2	8,709	19,2
21	10,850	10,064	E	B1	TL-120E21										13,562	29,9	9,026	19,9
22	11,330	10,540	E	B1	TL-120E22										14,334	31,6	9,798	21,6
23	11,810	11,016	E	B1	TL-120E23										15,331	33,8	10,795	23,8
24	12,290	11,492	E	B1	TL-120E24										16,239	35,8	11,703	25,8
25	12,770	11,968	E	B1	TL-120E25										17,282	38,1	12,746	28,1
26	13,250	12,444	E	B1	TL-120E26										18,098	39,9	13,562	29,9
28	14,210	13,397	E	B1	TL-120E28										22,544	49,7	15,740	34,7
30	15,170	14,350	E	B1	TL-120E30	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64	1 5/8	0,924	22,407	49,4	17,872	39,4
32	16,130	15,303	F	C	TL-120F32	3 15/16	3 5/8	4	6 5/8	1	1 11/16	1 37/64	2 1/2	0,924	28,123	62,0	22,906	50,5
35	17,570	16,734	F	C	TL-120F35										32,205	71,0	26,989	59,5
36	18,050	17,211	F	C	TL-120F36										33,974	74,9	28,758	63,4
40	19,960	19,118	F	C	TL-120F40										40,143	88,5	34,927	77,0
42	20,920	20,072	F	C	TL-120F42										42,864	94,5	37,648	83,0
45	22,350	21,503	F	C	TL-120F45										43,318	95,5	38,102	84,0
48	23,790	22,935	F	C	TL-120F48										46,947	103,5	41,730	92,0
54	26,650	25,798	F	C	TL-120F54	3 15/16	3 5/8	4	6 5/8	1	1 11/16	1 37/64	2 1/2	0,924	56,699	125	51,710	114
60	29,520	28,661	J	C	TL-120J60	4 7/16	4 1/2	5	7 1/4	1 3/16	2 5/16	2 17/64	3 3/16	0,924	72,121	159	63,503	140
70	34,300	33,434	J	C	TL-120J70	4 7/16	4 1/2	5	7 1/4	1 3/16	2 5/16	2 17/64	3 3/16	0,924	88,904	196	80,286	177
80	39,080	38,207	J	C	TL-120J80	4 7/16	4 1/2	5	7 1/4	1 3/16	2 5/16	2 17/64	3 3/16	0,924	109,316	241	100,698	222



QD - Type B



QD - Type C

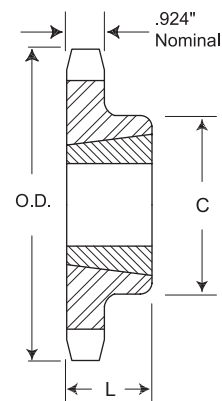


QD - Type B1

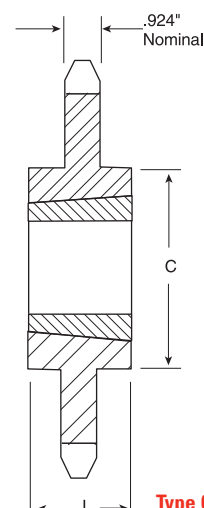
# NO 120 1 1/2" PITCH TYPE TAPER BUSH

## Type Bushed

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs
12	6,498	5,796	2012	B	TL-120BTB12	2	1 1/4	3 9/16	2,495	5,5	0,771	1,7	
13	6,896	6,268	2517	B	TL-120BTB13	2 1/2	1 3/4	4 1/4	2,722	6,0	1,588	3,5	
14	7,472	6,741	2517	B	TL-120BTB14	2 1/2	1 3/4	4 1/4	3,175	7,0	1,588	3,5	
15	7,957	7,215	2517	B	TL-120BTB15	2 1/2	1 3/4	4 1/4	3,629	8,0	1,588	3,5	
16	8,441	7,689	3020	B	TL-120BTB16	3	2	5 1/4	4,536	10,0	2,948	6,5	
17	8,924	8,163	3020	B	TL-120BTB17	3	2	5 1/4	4,990	11,0	2,948	6,5	
18	9,407	8,638	3020	B	TL-120BTB18	3	2	5 1/4	5,443	12,0	2,948	6,5	
19	9,889	9,113	3020	B	TL-120BTB19	3	2	5 1/4	6,350	14,0	2,948	6,5	
20	10,371	9,588	3020	B	TL-120BTB20	3	2	5 1/4	7,031	15,5	2,948	6,5	
21	10,851	10,064	3020	B	TL-120BTB21	3	2	5 1/4	7,938	17,5	2,948	6,5	
24	12,294	11,492	3020	B	TL-120BTB24	3	2	5 1/4	10,659	23,5	2,948	6,5	
26	13,254	12,444	3020	B	TL-120BTB26	3	2	5 1/4	12,927	28,5	2,948	6,5	
30	15,171	14,351	3020	B	TL-120BTB30	3	2	5 1/4	15,195	33,5	2,948	6,5	
35	17,566	16,734	3020	C	TL-120CTB35	3	2	5 1/4	23,587	52,0	2,948	6,5	
45	22,351	21,503	3030	C	TL-120CTB45	3	3	5 7/8	37,195	82,0	4,173	9,2	
60	29,522	28,661	3535	C	TL-120CTB60	3 1/2	3 1/2	6 1/2	63,503	140,0	6,350	14,0	
70	34,301	33,434	3535	C	TL-120CTB70	3 1/2	3 1/2	6 1/2	79,379	175,0	6,350	14,0	
80	39,078	38,207	3535	C	TL-120CTB80	3 1/4	3 1/2	6 1/2	99,790	220,0	6,350	14,0	



Type B



Type C

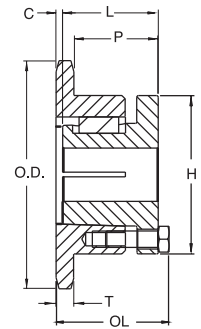
# NO 120 1 1/2" PITCH TYPE SPLIT TAPER

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
11	TL-ST120Q11	Q1	6,010	5,324	4	2-11/16	2-25/32	2-1/2	4-1/8	1 9/16	0,924	3,765	8,3	2,177	4,8	
12	TL-ST120Q12	Q1	6,500	5,796	4	2-11/16	2-25/32	2-1/2	4-1/8	1 9/16	0,924	4,445	9,8	2,858	6,3	
13	TL-ST120Q13	Q1	6,990	6,268	4	2-11/16	2-25/32	2-1/2	4-1/8	1 9/16	0,924	5,171	11,4	3,583	7,9	
14	TL-ST120Q14	Q1	7,470	6,741	4	2-11/16	2-25/32	2-1/2	4-1/8	1 9/16	0,924	5,761	12,7	4,173	9,2	
15	TL-ST120Q15	Q1	7,960	7,215	4	2-11/16	2-25/32	2-1/2	4-1/8	1 9/16	0,924	6,305	13,9	4,717	10,4	
16	TL-ST120Q16	Q1	8,440	7,689	4	2-11/16	2-25/32	2-1/2	4-1/8	1-15/16	0,924	6,940	15,3	5,352	11,8	
16	TL-ST120R16	R1	8,440	7,689	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	8,845	19,5	5,443	12,0	
17	TL-ST120Q17	Q1	8,920	8,163	4	2-11/16	2-25/32	2-1/2	4-1/8	1-15/16	0,924	7,666	16,9	6,078	13,4	
17	TL-ST120R17	R1	8,920	8,163	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	9,616	21,2	6,214	13,7	
18	TL-ST120Q18	Q1	9,410	8,638	4	2-11/16	2-25/32	2-1/2	4-1/8	1-15/16	0,924	8,664	19,1	7,076	15,6	
18	TL-ST120R18	R1	9,410	8,638	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	10,206	22,5	6,804	15,0	
19	TL-ST120R19	R1	9,890	9,113	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	11,068	24,4	7,666	16,9	
20	TL-ST120R20	R1	10,370	9,589	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	11,929	26,3	8,528	18,8	
21	TL-ST120R21	R1	10,850	10,064	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	12,791	28,2	9,389	20,7	
22	TL-ST120R22	R1	11,330	10,540	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	13,608	30,0	10,206	22,5	
23	TL-ST120R23	R1	11,810	11,016	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	14,424	31,8	11,022	24,3	
24	TL-ST120R24	R1	12,290	11,492	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	15,694	34,6	12,292	27,1	
25	TL-ST120R25	R1	12,770	11,968	4	3-3/4	3-5/32	2-7/8	5-3/8	1-15/16	0,924	16,601	36,6	13,200	29,1	
26	TL-ST120R26	R1	13,250	12,444	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	18,507	40,8	15,105	33,3

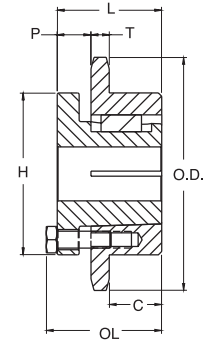
NEXT >



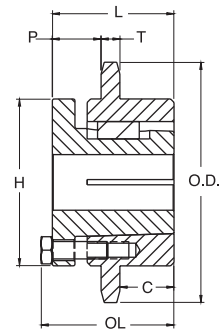
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS					WEIGHT HUB		WEIGHT RIM		
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T(nom)	Kgs	Lbs	Kgs	Lbs
28	TL-ST120R28	R1	14,210	13,397	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	20,638	45,5	17,237	38,0
30	TL-ST120R30	R1	15,170	14,350	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	23,042	50,8	19,641	43,3
32	TL-ST120R32	R1	16,130	15,303	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	25,809	56,9	22,407	49,4
35	TL-ST120R35	R2	17,570	16,734	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	35,834	79,0	30,844	68,0
36	TL-ST120R36	R2	18,050	17,211	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	37,648	83,0	32,659	72,0
40	TL-ST120R40	R2	19,960	19,118	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	42,184	93,0	37,195	82,0
40	TL-ST120S40	S1	19,960	19,118	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	43,772	96,5	37,648	83,0
42	TL-ST120S42	S1	20,920	20,072	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	46,947	103,5	40,823	90,0
45	TL-ST120R45	R2	22,350	21,503	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	51,256	113,0	46,266	102,0
45	TL-ST120S45	S1	22,350	21,503	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	51,483	113,5	45,359	100,0
48	TL-ST120S48	S1	23,790	22,935	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	56,472	124,5	50,349	111,0
54	TL-ST120S54	S1	26,650	25,798	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	68,719	151,5	62,596	138,0
60	TL-ST120R60	R2	29,520	28,661	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	86,183	190,0	81,193	179,0
60	TL-ST120S60	S1	29,520	28,661	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	87,770	193,5	81,647	180,0
70	TL-ST120R70	R2	34,300	33,434	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	72,121	159,0	67,132	148,0
70	TL-ST120S70	S2	34,300	33,434	5	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-15/16	0,924	84,368	186,0	75,750	167,0
80	TL-ST120R80	R2	39,080	38,207	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-15/16	0,924	136,985	302,0	131,995	291,0
80	TL-ST120S80	S2	39,080	38,207	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-15/16	0,924	146,964	324,0	138,346	305,0



Type 4



Type 5

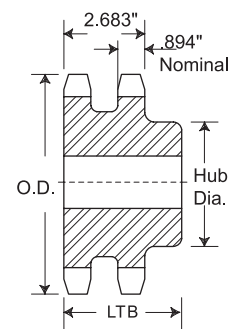


Type 6

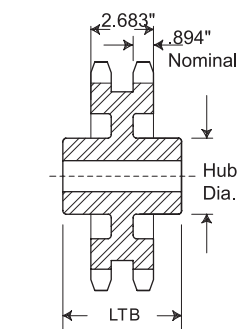
## NO 120-2 1 1/2" PITCH DOUBLE. TYPE B & C

### Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
11	6,010	B	TL-120-2B11	1 1/2	2 3/8	3 9/16	3 3/4	6,169	13,6
12	6,500	B	TL-120-2B12	1 1/2	2 3/4	4 1/16	3 3/4	7,847	17,3
13	6,990	B	TL-120-2B13	1 1/2	3	4 1/2	3 3/4	9,571	21,1
14	7,470	B	TL-120-2B14	1 1/2	3 5/16	5	3 3/4	11,612	25,6
15	7,960	B	TL-120-2B15	1 1/2	3 1/2	5 1/4	3 3/4	13,562	29,9
16	8,440	B	TL-120-2B16	1 1/2	3 1/2	5 1/4	3 3/4	15,331	33,8
17	8,920	B	TL-120-2B17	1 1/2	3 1/2	5 1/4	3 3/4	16,738	36,9
18	9,410	B	TL-120-2B18	1 1/2	3 1/2	5 1/4	3 3/4	19,006	41,9
19	9,890	B	TL-120-2B19	1 1/2	3 1/2	5 1/4	3 3/4	21,092	46,5
20	10,370	B	TL-120-2B20	1 1/2	3 1/2	5 1/2	3 3/4	22,770	50,2
21	10,850	B	TL-120-2B21	1 1/2	3 1/2	5 1/2	3 3/4	25,220	55,6
22	11,330	B	TL-120-2B22	1 1/2	3 13/16	5 3/4	4	29,030	64,0
23	11,810	B	TL-120-2B23	1 1/2	4	6 1/2	4	34,019	75,0
24	12,290	B	TL-120-2B24	1 1/2	4	6 1/2	4	35,834	79,0
25	12,770	B	TL-120-2B25	1 1/2	4	6 1/2	4	38,102	84,0
26	13,250	B	TL-120-2B26	1 1/2	4	6 1/2	4	40,823	90,0
30	15,170	B	TL-120-2B30	1 1/2	4	6 1/2	4	53,977	119
35	17,570	C	TL-120-2C35	1 1/2	5 3/8	7 1/2	6	67,132	148
45	22,350	C	TL-120-2C45	1 1/2	5 3/8	7 1/2	6	85,275	188
60	29,520	C	TL-120-2C60	1 1/2	6 3/8	9 1/2	6 1/4	139,253	307



Type B



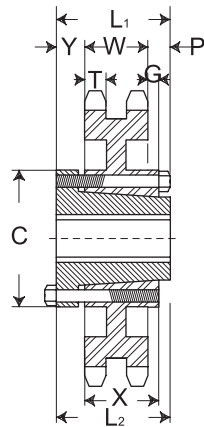
Type C



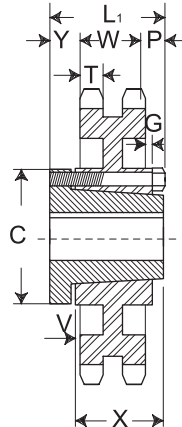
# NO 120-2 1 1/2" PITCH DOUBLE. TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs
30	15,170	14,350	J	C5	TL-120-2J30	4 7/16	4 1/2	5	7 1/4	1 1/32	25/32	21/32	5/32	3 3/16	0,894	2,683	44,225	97,5	35,380	78,0
35	17,570	16,734	J	C5	TL-120-2J35	4 7/16	4 1/2	5	7 1/4	1 1/32	25/32	21/32	5/32	3 3/16	0,894	2,683	50,802	112	42,184	93,0
45	22,350	21,502	J	C5	TL-120-2J45	4 7/16	4 1/2	5	7 1/4	1 1/32	25/32	21/32	5/32	3 3/16	0,894	2,683	71,214	157	62,596	138
60	29,520	28,661	M	C6	TL-120-2M60	5 1/2	6 3/4	6 3/4	9	2 9/32	125/32	121/32	27/32	5 3/16	0,894	2,683	122,924	271	106,141	234



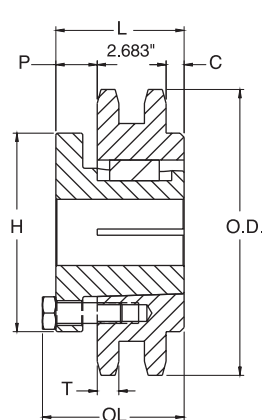
QD - Type C5



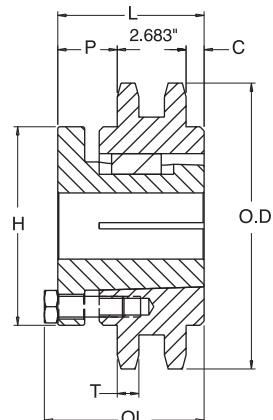
QD - Type C6

# NO 120-2 1 1/2" PITCH DOUBLE. SPLIT TAPER

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
30	TL-STD120S30	S1	15,170	14,350	15	4-1/4	4-3/4	4-3/8	5/8	6-3/8	1-1/16	0,894	53,751	118,5	47,627	105,0
35	TL-STD120S35	S1	17,570	16,734	15	4-1/4	4-3/4	4-3/8	5/8	6-3/8	1-1/16	0,894	73,255	161,5	67,132	148,0
45	TL-STD120S45	S2	22,350	21,503	18	4-3/16	7-1/8	6-3/4	1-27/32	6-3/8	2-7/32	0,894	130,181	287,0	121,563	268,0
60	TL-STD120U60	U0	29,520	28,661	15	5-1/2	5-23/32	5-1/4	1-9/32	8-3/8	19-32	0,894	96,615	213,0	83,007	183,0



Type 15



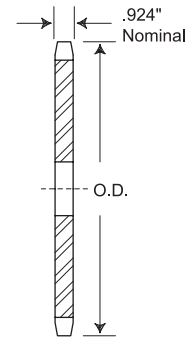
Type 18

# NO 140 1 3/4" PITCH TYPE B & C

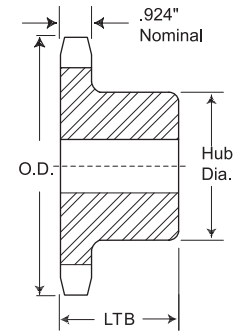
## Type A

## Type B, C

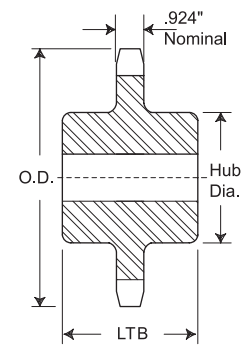
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
11	7,010	TL-140A11	1 1/2	2,268	5,0	TL-140B11	B	1 1/2	2 3/4	4 1/4	2 1/4	5,126	11,3
12	7,580	TL-140A12	1 1/2	3,538	7,8	TL-140B12	B	1 1/2	3	4 1/2	2 1/4	5,987	13,2
13	8,150	TL-140A13	1 1/2	3,719	8,2	TL-140B13	B	1 1/2	3 9/16	5 5/16	2 3/8	8,573	18,9
14	8,720	TL-140A14	1 1/2	4,536	10,0	TL-140B14	B	1 1/2	3 3/4	5 1/2	2 3/8	9,253	20,4
15	9,280	TL-140A15	1 1/2	4,990	11,0	TL-140B15	B	1 1/2	4 1/4	6 1/4	2 3/8	11,385	25,1
16	9,850	TL-140A16	1 1/2	6,350	14,0	TL-140B16	B	1 1/2	4 1/4	6 1/4	2 1/2	12,655	27,9
17	10,410	TL-140A17	1 1/2	7,257	16,0	TL-140B17	B	1 1/2	4 1/4	6 1/4	2 1/2	13,517	29,8
18	10,980	TL-140A18	1 1/2	8,165	18,0	TL-140B18	B	1 1/2	4 1/4	6 1/4	2 1/2	14,515	32,0
19	11,540	TL-140A19	1 1/2	9,525	21,0	TL-140B19	B	1 1/2	4 1/4	6 1/4	2 1/2	15,467	34,1
20	12,100	TL-140A20	1 1/2	10,433	23,0	TL-140B20	B	1 1/2	4 1/4	6 1/4	2 1/2	16,329	36,0
21	12,660	TL-140A21	1 1/2	11,340	25,0	TL-140B21	B	1 1/2	4 1/4	6 1/4	2 1/2	17,554	38,7
22	13,220	TL-140A22	1 1/2	12,701	28,0	TL-140B22	B	1 1/2	4 1/4	6 1/4	2 1/2	18,416	40,6
23	13,780	TL-140A23	1 1/2	13,608	30,0	TL-140B23	B	1 1/2	4 1/4	6 1/4	2 1/2	19,096	42,1
24	14,340	TL-140A24	1 1/2	14,969	33,0	TL-140B24	B	1 1/2	4 1/4	6 1/4	2 1/2	20,956	46,2
25	14,900	TL-140A25	1 1/2	15,422	34,0	TL-140B25	B	1 1/2	4 1/4	6 1/4	2 1/2	21,682	47,8
26	15,460	TL-140A26	1 1/2	17,690	39,0	TL-140B26	B	1 1/2	4 1/4	6 1/4	3	25,945	57,2
27	16,020	TL-140A27	1 1/2	18,597	41,0	TL-140B27	B	1 1/2	4 1/4	6 1/4	3	26,535	58,5
28	16,580	TL-140A28	1 1/2	20,412	45,0	TL-140B28	B	1 1/2	4 1/4	6 1/4	3	28,213	62,2
30	17,700	TL-140A30	1 1/2	23,587	52,0	TL-140B30	B	1 1/2	4 1/4	6 1/4	3	31,661	69,8
31	18,260	TL-140A31	1 1/2	25,401	56,0								
32	18,820	TL-140A32	1 1/2	27,216	60,0	TL-140B32	B	1 1/2	4 1/4	6 1/4	3	34,609	76,3
35	20,490	TL-140A35	1 1/2	33,112	73,0	TL-140C35	C	1 1/2	5 1/4	7	4	48,988	108
36	21,050	TL-140A36	1 1/2	34,927	77,0								
40	23,290	TL-140A40	1 1/2	42,184	93,0	TL-140C40	C	1 1/2	5 1/4	7	4	54,885	121
45	26,080	TL-140A45	1 1/2	59,421	131	TL-140C45	C	1 1/2	5 1/4	7	4	64,410	142
48	27,750	TL-140A48	1 1/2	60,781	134	TL-140C48	C	1 1/2	5 1/4	7	4	68,039	150
54	31,100	TL-140A54	1 1/2	78,471	173	TL-140C54	C	1 1/2	5 1/4	7	4	80,286	177
60	34,440	TL-140A60	1 1/2	99,337	219	TL-140C60	C	1 1/2	5 1/4	7	5	99,790	220
70	40,020	TL-140A70	1 1/2	132,449	292	TL-140C70	C	1 1/2	5 3/8	7 1/2	5	127,913	282
80	45,590	TL-140A80	1 1/2	182,344	402	TL-140C80	C	1 1/2	5 3/8	7 1/2	5	150,139	331



Type A



Type B



Type C

# NO 140 1 3/4" PITCH TYPE QD

## Type QD

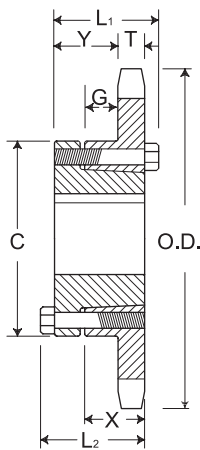
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS								WEIGHT WITH HUB		WEIGHT RIM		
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	Kgs	Lbs	Kgs
11	7,010	6,212	SF	B	TL-140SF11	2 15/16	2 1/4	2 1/4	4 5/8	1 5/64		21/64		1 1/4	0,924	3,901	8,6	2,540	5,6
12	7,580	6,762	SF	B	TL-140SF12	2 15/16	2 1/4	2 1/4	4 5/8	1 5/64		21/64		1 1/4	0,924	4,717	10,4	3,357	7,4
13	8,150	7,313	SF	B	TL-140SF13	2 15/16	2 1/4	2 1/4	4 5/8	1 5/64		21/64		1 1/4	0,924	5,398	11,9	4,037	8,9
14	8,720	7,864	E	B1	TL-140E14	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	9,798	21,6	5,262	11,6
15	9,280	8,417	E	B1	TL-140E15	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	10,977	24,2	6,441	14,2
16	9,850	8,970	E	B1	TL-140E16	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	11,748	25,9	7,212	15,9
17	10,410	9,524	E	B1	TL-140E17	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	12,701	28,0	8,165	18,0
18	10,980	10,078	E	B1	TL-140E18	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	13,426	29,6	8,890	19,6
19	11,540	10,632	E	B1	TL-140E19	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	14,515	32,0	9,979	22,0
20	12,100	11,187	E	B1	TL-140E20	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64		1 5/8	0,924	15,694	34,6	11,158	24,6

NEXT >

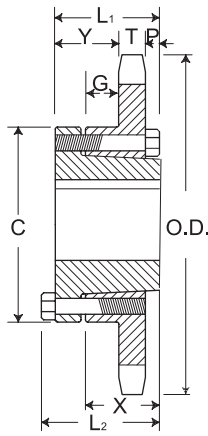


## Type QD

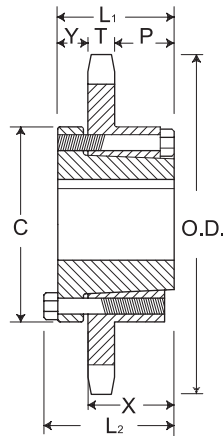
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	Kgs	Lbs	Kgs	Lbs
21	12,660	11,742	E	B1	TL-140E21	3 1/2	2 5/8	2 15/16	6	1 9/16	1/8	45/64	1 5/8	0,924	17,055	37,6	12,519	27,6		
22	13,220	12,297	E	B1	TL-140E22	3 1/2	2 5/8	3 15/16	6	1 9/16	1/8	45/64	1 5/8	0,924	17,917	39,5	13,381	29,5		
23	13,780	12,852	F	B1	TL-140F23	3 15/16	3 5/8	4	6 5/8	2 9/16	1/8	1 37/64	2 1/2	0,924	21,772	48,0	16,511	36,4		
24	14,340	13,407	F	B1	TL-140F24	4 15/16	3 5/8	4	6 5/8	2 9/16	1/8	1 37/64	2 1/2	0,924	23,405	51,6	18,189	40,1		
25	14,900	13,963	F	B1	TL-140F25	5 15/16	3 5/8	4	6 5/8	2 9/16	1/8	1 37/64	2 1/2	0,924	24,403	53,8	19,187	42,3		
26	15,460	14,518	F	B1	TL-140F26	6 15/16	3 5/8	4	6 5/8	2 9/16	1/8	1 37/64	2 1/2	0,924	26,308	58,0	21,092	46,5		
30	17,700	16,742	F	B1	TL-140F30	3 15/16	3 5/8	4	6 5/8	2 9/16	1/8	1 37/64	2 1/2	0,924	32,659	72,0	27,397	60,4		
35	20,490	19,523	F	C	TL-140F35	3 15/16	3 5/8	4	6 5/8	1	1 11/16	1 37/64	2 1/2	0,924	40,597	89,5	35,380	78,0		
36	21,050	20,079	F	C	TL-140F36	3 15/16	3 5/8	4	6 5/8	1	1 11/16	1 37/64	2 1/2	0,924	43,318	95,5	38,102	84,0		
40	23,290	22,305	J	C	TL-140J40	4 7/16	4 1/2	5	7 1/4	1 3/16	2 3/8	2 17/64	3 3/16	0,924	53,070	117	44,452	98		
45	26,080	25,087	J	C	TL-140J45	4 7/16	4 1/2	5	7 1/4	1 3/16	2 3/8	2 17/64	3 3/16	0,924	63,049	139	54,431	120		
48	27,750	26,757	J	C	TL-140J48	4 7/16	4 1/2	5	7 1/4	1 3/16	2 3/8	2 17/64	3 3/16	0,924	67,132	148	58,513	129		
54	31,100	30,097	J	C	TL-140J54	4 7/16	4 1/2	5	7 1/4	1 3/16	2 3/8	2 17/64	3 3/16	0,924	76,204	168	67,585	149		
60	34,440	33,438	J	C	TL-140J60	4 7/16	4 1/2	5	7 1/4	1 3/16	2 3/8	2 17/64	3 3/16	0,924	92,986	205	84,368	186		
70	40,020	39,006	M	C1	TL-140M70	5 1/2	6 3/4	6 3/4	9	2 29/32	2 29/32	2 17/32	1 13/32	5 3/16	0,924	136,531	301	119,748	264	
80	45,590	44,575	M	C1	TL-140M80	5 1/2	6 3/4	6 3/4	9	2 29/32	2 29/32	2 17/32	1 13/32	5 3/16	0,924	174,633	385	157,850	348	



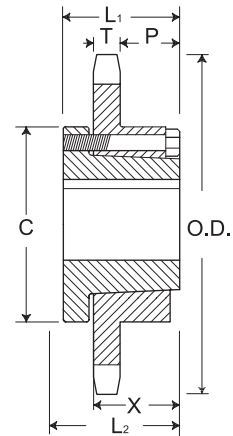
QD - Type B



QD - Type B1



QD - Type C

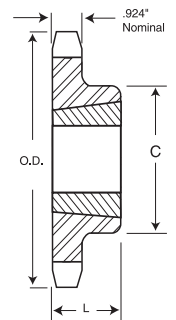


QD - Type C1

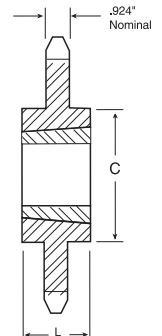
## NO 140 1 3/4" PITCH TAPER BUSH

### Taper Bushed

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS				WEIGHT RIM		WEIGHT BRUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs	
12	7,581	6,762	B	2517	TL-140BTB12	2 1/2	1 3/4	4 1/2	3,175	7,0	1,588	3,5		
13	8,150	7,313	B	3020	TL-140BTB13	3	2	5 1/4	3,629	8,0	2,948	6,5		
14	8,718	7,864	B	3020	TL-140BTB14	3	2	5 1/4	4,536	10,0	2,948	6,5		
15	9,283	8,417	B	3020	TL-140BTB15	3	2	5 1/4	5,443	12,0	2,948	6,5		
16	9,848	8,970	B	3020	TL-140BTB16	3	2	5 1/4	6,350	14,0	2,948	6,5		
17	10,411	10,411	B	3020	TL-140BTB17	3	2	5 1/4	7,257	16,0	2,948	6,5		
18	10,975	10,975	B	3020	TL-140BTB18	3	2	5 1/4	8,165	18,0	2,948	6,5		
19	11,537	11,537	B	3020	TL-140BTB19	3	2	5 1/4	9,072	20,0	2,948	6,5		
21	12,660	12,660	B	3020	TL-140BTB21	3	2	5 1/4	10,886	24,0	2,948	6,5		
26	15,463	15,463	B	3020	TL-140BTB26	3	2	5 1/4	18,144	40,0	2,948	6,5		
35	20,494	20,494	C	3535	TL-140CTB35	3 1/2	3 1/2	6 1/2	35,380	78,0	6,350	14		
45	26,076	26,076	C	4040	TL-140CTB46	4	4	7 3/4	53,524	118,0	9,979	22		
60	34,442	34,442	C	4040	TL-140CTB60	4	4	7 3/4	85,275	188,0	9,979	22		
70	40,017	40,017	C	4040	TL-140CTB70	4	4	7 3/4	109,316	241,0	9,979	22		



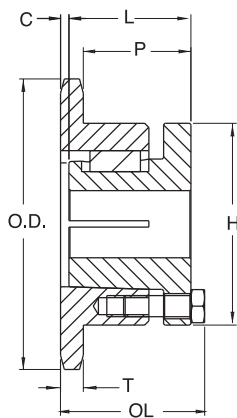
Type B



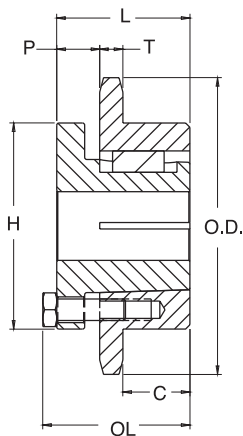
Type C

# NO 140 1 3/4" PITCH SPLIT TAPER

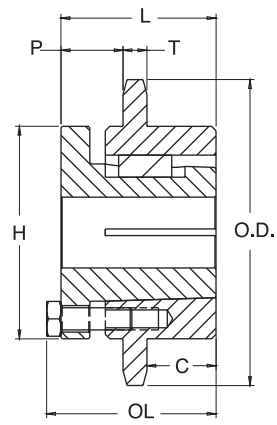
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
11	TL-ST140Q11	Q1	7,010	6,212	4	2-11/16	2-25/32	2-1/2		4-1/8	1-9/16	0,924	4,491	9,9	2,903	6,4
12	TL-ST140Q12	Q1	7,580	6,762	4	2-11/16	2-25/32	2-1/2		4-1/8	1-9/16	0,924	5,670	12,5	4,082	9,0
13	TL-ST140R13	R1	8,150	7,313	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	8,437	18,6	5,035	11,1
14	TL-ST140R14	R1	8,720	7,864	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	9,117	20,1	5,715	12,6
15	TL-ST140R15	R1	9,280	8,417	4	3-3/4	3-5/32	2-7/8		5-3/8	1-1/16	0,924	10,070	22,2	6,668	14,7
16	TL-ST140R16	R1	9,850	8,970	4	3-3/4	3-5/32	2-7/8		5-3/8	1-1/16	0,924	10,886	24,0	7,484	16,5
17	TL-ST140R17	R1	10,410	9,524	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	11,793	26,0	8,391	18,5
18	TL-ST140R18	R1	10,980	10,078	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	12,701	28,0	9,299	20,5
19	TL-ST140R19	R1	11,540	10,632	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	13,835	30,5	10,433	23,0
20	TL-ST140R20	R1	12,100	11,187	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	14,923	32,9	11,521	25,4
21	TL-ST140R21	R1	12,660	11,742	4	3-3/4	3-5/32	2-7/8		5-3/8	1-15/16	0,924	16,012	35,3	12,610	27,8
22	TL-ST140R22	R1	13,220	12,297	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	18,144	40,0	14,742	32,5
23	TL-ST140R23	R1	13,780	12,852	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	19,731	43,5	16,329	36,0
24	TL-ST140R24	R1	14,340	13,407	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	20,457	45,1	17,055	37,6
25	TL-ST140R25	R1	14,900	13,963	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	21,682	47,8	18,280	40,3
26	TL-ST140R26	R1	15,460	14,518	5	3-3/4	3-5/32	2-7/8	1-1/16	5-3/8	7/8	0,924	23,360	51,5	19,958	44,0
30	TL-ST140R30	R2	17,700	16,742	5	3-5/8	5-5/32	4-7/8	2	5-3/8	7/8	0,924	35,834	79,0	30,844	68,0
35	TL-ST140R35	R2	20,490	19,523	6	3-5/8	5-5/32	4-7/8	2	5-3/8	7/8	0,924	44,906	99,0	39,916	88,0
36	TL-ST140R36	R2	21,050	20,079	6	3-5/8	5-5/32	4-7/8	2	5-3/8	7/8	0,924	45,813	101,0	40,823	90,0
36	TL-ST140S36	S1	21,050	20,079	5	4-1/4	43/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	46,493	102,5	40,370	89,0
40	TL-ST140R40	R2	23,290	22,305	6	3-5/8	5-5/32	4-7/8	2	5-3/8	7/8	0,924	54,431	120,0	49,442	109,0
40	TL-ST140S40	S1	23,290	22,305	5	4-1/4	4-3/4	4-3/8	2-3/8	6-3/8	1-1/16	0,924	54,658	120,5	48,534	107,0
45	TL-ST140S45	S1	26,080	25,087	5	4-1/4	4-3/4	43/8	2-3/8	6-3/8	1-1/16	0,924	65,998	145,5	59,874	132,0
48	TL-ST140S48	S2	27,750	26,757	6	4-3/16	7-1/2	6-3/4	2-7/8	6-3/8	2-15/16	0,924	85,275	188,0	76,657	169,0
54	TL-ST140S54	S2	31,100	30,097	6	4-3/16	7-1/2	6-3/4	2-7/8	6-3/8	2-15/16	0,924	102,965	227,0	94,347	208,0
60	TL-ST140S60	S2	34,440	33,438	6	4-3/16	7-1/2	6-3/4	2-7/8	6-3/8	2-15/16	0,924	112,945	249,0	104,326	230,0
70	TL-ST140S70	S2	40,020	39,006	6	4-3/16	7-1/2	6-3/4	2-7/8	6-3/8	2-15/16	0,924	149,685	330,0	141,067	311,0
80	TL-ST140S80	S2	45,590	44,575	6	4-3/16	7-1/2	6-3/4	2-7/8	6-3/8	2-15/16	0,924	118,388	261,0	109,769	242,0



Type 4



Type 5

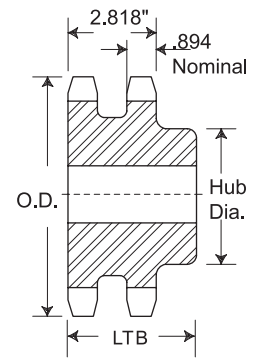


Type 6

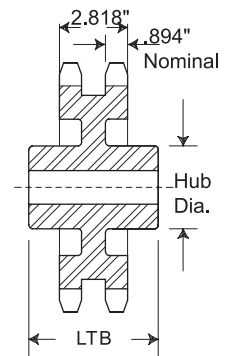
# NO 140-2 1 3/4" PITCH DOUBLE. TYPE B & C

## Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
13	8,150	B	TL-140-2B13	1 5/8	3 5/16	5	3 3/4	13,154	29
14	8,720	B	TL-140-2B14	1 5/8	3 3/4	5 1/2	3 3/4	15,785	34,8
15	9,280	B	TL-140-2B15	1 5/8	4 1/2	6 1/2	3 3/4	19,278	42,5
16	9,850	B	TL-140-2B16	1 5/8	5 1/4	7	4	21,818	48,1
17	10,410	B	TL-140-2B17	1 5/8	5 1/4	7	4	26,082	57,5
18	10,980	B	TL-140-2B18	1 3/4	5 1/4	7	4	29,756	65,6
19	11,540	B	TL-140-2B19	1 3/4	5 1/4	7	4	32,659	72,0
20	12,100	B	TL-140-2B20	1 3/4	5 1/4	7	4	34,473	76,0
21	12,660	B	TL-140-2B21	1 3/4	5 1/4	7	4	37,195	82,0
22	13,220	B	TL-140-2B22	1 3/4	5 1/4	7	4	42,638	94,0
23	13,780	B	TL-140-2B23	1 3/4	5 1/4	7	4	45,359	100
24	14,340	B	TL-140-2B24	1 3/4	5 1/4	7	4	47,174	104
25	14,900	B	TL-140-2B25	1 3/4	5 1/4	7	4	54,431	120
26	15,460	B	TL-140-2B26	1 3/4	5 1/4	7	4	58,060	128
35	20,490	C	TL-140-2C35	1 1/2	5 3/8	7 1/2	6	81,647	180
45	26,080	C	TL-140-2C45	1 1/2	5 3/8	7 1/2	6	105,233	232
60	34,440	C	TL-140-2C60	1 1/2	6 3/8	9 1/2	6 1/4	168,736	372



Type B

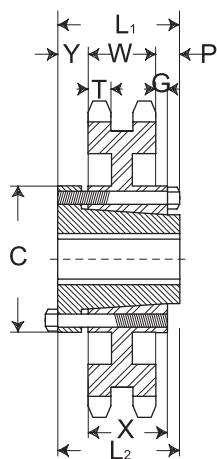


Type C

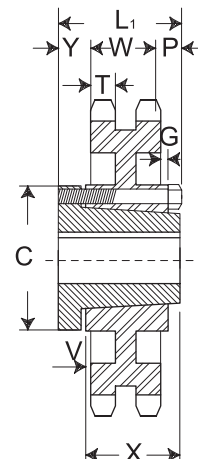
# NO 140-2 1 3/4" PITCH DOUBLE. TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					L1	L2	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs	Lbs
35	20,490	19,523	J	C5	TL-140-2J35	4 7/16	4 1/2	5	7 1/4	31/32	23/32	19/32	7/32	3 3/16	0,894	2,818	62,142	137	58,060	128
45	26,080	25,087	J	C5	TL-140-2J45	4 7/16	4 1/2	5	7 1/4	31/32	23/32	19/32	7/32	3 3/16	0,894	2,818	88,451	195	79,832	176
60	34,440	33,438	M	C6	TL-140-2M60	5 1/2	6 3/4	6 3/4	9	2 7/32	1 23/32	1 19/32	25/32	5 3/16	0,894	2,818	153,768	339	136,985	302



OD - Type C5



OD - Type C6

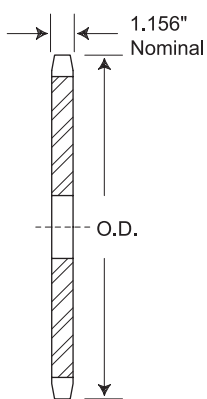


# NO 160 2" PITCH TYPE A, B & C

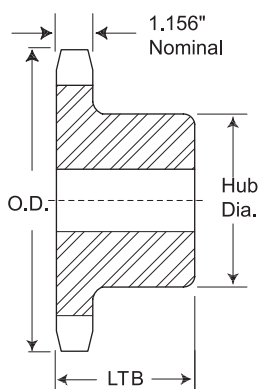
## Type A

## Type B, C

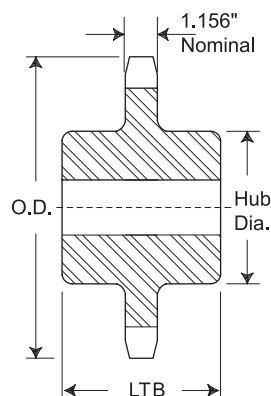
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
8	6,030	TL-160A8	1 1/2	2,268	5,0	TL-160B8	B	1 1/2	1 7/8	3 1/4	2 1/4	3,629	8,0
9	6,700	TL-160A9	1 1/2	3,175	7,0	TL-160B9	B	1 1/2	2 1/8	3 5/8	2 1/4	4,536	10,0
10	7,360	TL-160A10	1 1/2	3,629	8,0	TL-160B10	B	1 1/2	2 3/4	4 1/8	2 1/4	5,443	12,0
11	8,010	TL-160A11	1 1/2	4,536	10,0	TL-160B11	B	1 1/2	3 1/4	4 3/4	2 1/2	7,711	17,0
12	8,660	TL-160A12	1 1/2	5,443	12,0	TL-160B12	B	1 1/2	3 3/4	5 1/2	2 1/2	9,525	21,0
13	9,310	TL-160A13	1 1/2	7,257	16,0	TL-160B13	B	1 1/2	4	6	2 3/4	12,701	28,0
14	9,960	TL-160A14	1 1/2	7,711	17,0	TL-160B14	B	1 1/2	4 1/2	6 1/2	2 3/4	14,515	32,0
15	10,610	TL-160A15	1 1/2	9,525	21,0	TL-160B15	B	1 1/2	5 1/4	7	2 3/4	16,783	37,0
16	11,260	TL-160A16	1 1/2	10,886	24,0	TL-160B16	B	1 1/2	5 1/4	7	2 3/4	18,597	41,0
17	11,900	TL-160A17	1 1/2	12,247	27,0	TL-160B17	B	1 1/2	5 1/4	7	2 3/4	20,412	45,0
18	12,540	TL-160A18	1 1/2	13,608	30,0	TL-160B18	B	1 1/2	5 1/4	7	2 3/4	21,772	48,0
19	13,190	TL-160A19	1 1/2	15,422	34,0	TL-160B19	B	1 1/2	5 1/4	7	2 3/4	23,587	52,0
20	13,830	TL-160A20	1 1/2	17,237	38,0	TL-160B20	B	1 1/2	5 1/4	7	2 3/4	25,401	56,0
21	14,470	TL-160A21	1 1/2	19,051	42,0	TL-160B21	B	1 1/2	5 1/4	7	2 3/4	26,762	59,0
22	15,110	TL-160A22	1 1/2	20,865	46,0	TL-160B22	B	1 1/2	5 1/4	7	2 3/4	29,484	65,0
23	15,750	TL-160A23	1 1/2	22,680	50,0	TL-160B23	B	1 1/2	5 1/4	7	2 3/4	30,844	68,0
24	16,390	TL-160A24	1 1/2	25,401	56,0	TL-160B24	B	1 1/2	5 1/4	7	3	34,927	77,0
25	17,030	TL-160A25	1 1/2	27,669	61,0	TL-160B25	B	1 1/2	5 1/4	7	3	36,741	81,0
26	17,670	TL-160A26	1 1/2	29,484	65,0	TL-160B26	B	1 1/2	5 1/4	7	3	39,009	86,0
27	18,310	TL-160A27	1 1/2	32,205	71,0	TL-160B27	B	1 1/2	5 1/4	7	3	41,277	91,0
28	18,950	TL-160A28	1 1/2	34,927	77,0	TL-160B28	B	1 1/2	5 1/4	7	3	44,452	98,0
30	20,230	TL-160A30	1 1/2	40,823	90,0	TL-160B30	B	1 1/2	5 1/4	7	3	48,988	108
35	23,420	TL-160C35	1 1/2	54,885	121	TL-160C35	C	1 1/2	5 1/2	8	4 1/2	69,853	154
40	26,610	TL-160C40	1 1/2	62,596	138	TL-160C40	C	1 1/2	5 1/2	8	4 1/2	88,904	196
45	29,800	TL-160C45	1 1/2	92,533	204	TL-160C45	C	1 1/2	5 1/2	8	5	106,141	234
54	35,540	TL-160C54	1 1/2	133,356	294	TL-160C54	C	1 1/2	5 1/2	8	5	125,191	276
60	39,360	TL-160C60	1 1/2	166,015	366	TL-160C60	C	1 1/2	5 1/2	8	5	149,232	329
70	45,730	TL-160C70	1 1/2	229,971	507	TL-160C70	C	1 1/2	5 1/2	8	5	202,302	446
80	52,100	TL-160C80	1 1/2	297,557	656	TL-160C80	C	1 1/2	5 1/2	8	5	277,599	612



Type A



Type B

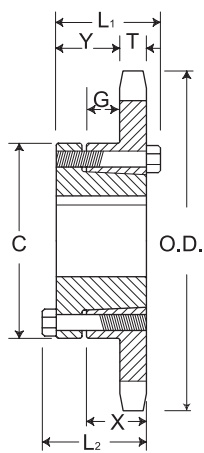


Type C

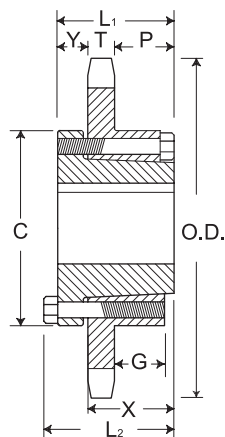
# NO 160 2" PITCH TYPE QD

## Type QD

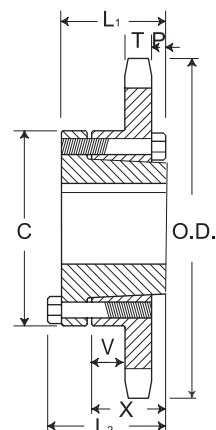
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS											WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	Kgs	Lbs	Kgs	Lbs	
12	8,660	7,727	E	B1	TL-160E12	3 1/2	2 5/8	2 15/16	6	1 5/16	1/8	16/32		1 5/8	1,156	9,525	21,0	4,990	11		
13	9,310	8,357	E	B1	TL-160E13	3 1/2	2 5/8	2 15/16	6	1 5/16	1/8	16/32		1 5/8	1,156	10,886	24,0	6,350	14		
14	9,960	8,988	E	B1	TL-160E14	3 1/2	2 5/8	2 15/16	6	1 5/16	1/8	16/32		1 5/8	1,156	11,793	26,0	7,257	16		
15	10,610	9,620	F	B1	TL-160E15	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	16,103	35,5	10,886	24		
16	11,260	10,252	F	B1	TL-160E16	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	17,463	38,5	12,247	27		
17	11,900	10,885	F	B1	TL-160E17	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	19,278	42,5	14,061	31		
18	12,540	11,518	F	B1	TL-160E18	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	21,092	46,5	15,876	35		
19	13,190	12,151	F	B1	TL-160E19	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	22,453	49,5	17,237	38		
20	13,830	12,785	F	B1	TL-160E20	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	24,267	53,5	19,051	42		
21	14,470	13,419	F	B1	TL-160E21	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	25,628	56,5	20,412	45		
22	15,110	14,053	F	B1	TL-160E22	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	28,350	62,5	23,133	51		
23	15,750	14,688	F	B1	TL-160E23	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	30,164	66,5	24,948	55		
24	16,390	15,323	F	B1	TL-160E24	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	31,978	70,5	26,762	59		
25	17,030	15,958	F	B1	TL-160E25	3 15/16	3 5/8	4	6 5/8	2 5/16	1/8	1 11/32		2 1/2	1,156	34,246	75,5	29,030	64		
26	17,670	16,593	J	C	TL-160J26	4 7/16	4 1/2	5	7 1/4	1 3/16	2 1/8	2 1/32		3 3/16	1,156	41,957	92,5	33,566	74		
28	18,950	17,863	J	C	TL-160J28	4 7/16	4 1/2	5	7 1/4	1 3/16	2 1/8	2 1/32		3 3/16	1,156	46,720	103	38,102	84		
30	20,230	19,134	J	C	TL-160J30	4 7/16	4 1/2	5	7 1/4	1 3/16	2 1/8	2 1/32		3 3/16	1,156	52,163	115	43,545	96		
35	23,420	22,312	J	C	TL-160J35	4 7/16	4 1/2	5	7 1/4	1 3/16	2 1/8	2 1/32		3 3/16	1,156	61,235	135	52,617	116		
40	26,610	25,491	M	C1	TL-160M40	5 1/2	6 3/4	6 3/4	9	2 11/16	2 11/16	2 13/32	1 10/32	5 3/16	1,156	95,708	211	78,925	174		
45	29,800	28,671	M	C1	TL-160M45	5 1/2	6 3/4	6 3/4	9	2 11/16	2 11/16	2 13/32	1 10/32	5 3/16	1,156	111,130	245	94,347	208		
54	35,540	34,397	M	C1	TL-160M54	5 1/2	6 3/4	6 3/4	9	2 11/16	2 11/16	2 13/32	1 10/32	5 3/16	1,156	135,624	299	118,841	262		
60	39,360	38,215	M	C1	TL-160M60	5 1/2	6 3/4	6 3/4	9	2 11/16	2 11/16	2 13/32	1 10/32	5 3/16	1,156	157,397	347	140,614	310		
70	45,730	44,578	M	C1	TL-160M70	5 1/2	6 3/4	6 3/4	9	2 11/16	2 11/16	2 13/32	1 10/32	5 3/16	1,156	212,281	468	195,498	431		
80	52,100	50,943	M	C1	TL-160M80	5 1/2	6 3/4	6 3/4	9	2 11/16	2 11/16	2 13/32	1 10/32	5 3/16	1,156	257,187	567	240,404	530		



QD - Type B1



QD - Type C

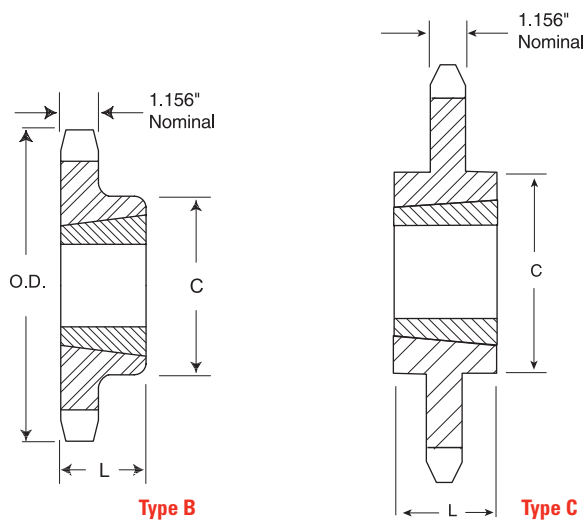


QD - Type C1

# NO 160 2" PITCH TYPE TAPER BUSH

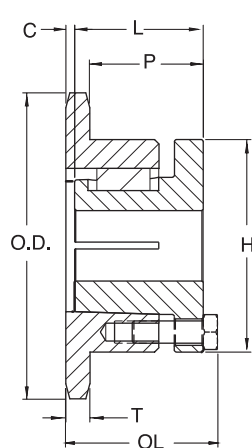
## Taper Bush

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS			WEIGHT RIM		WEIGHT BUSHING	
	OD Inch	Pitch Inch					Max	L	C	Kgs	Lbs	Kgs	Lbs
11	8,011	7,099	2517	B	TL-160BTB11	2 1/2	1 3/4	4 1/4	4,082	9,0	1,588	3,5	
12	8,664	7,727	3020	B	TL-160BTB12	3	2	5 1/4	4,990	11,0	2,948	6,5	
13	9,314	8,357	3020	B	TL-160BTB13	3	2	5 1/4	5,897	13,0	2,948	6,5	
14	9,963	8,988	3020	B	TL-160BTB14	3	2	5 1/4	7,257	16,0	2,948	6,5	
15	10,609	9,620	3535	B	TL-160BTB15	3 1/2	3 1/2	6 1/2	11,340	25,0	6,350	14,0	
16	11,255	10,252	3535	B	TL-160BTB16	3 1/2	3 1/2	6 1/2	12,701	28,0	6,350	14,0	
17	11,899	10,885	3535	B	TL-160BTB17	3 1/2	3 1/2	6 1/2	14,515	32,0	6,350	14,0	
18	12,543	11,518	3535	B	TL-160BTB18	3 1/2	3 1/2	6 1/2	15,876	35,0	6,350	14,0	
19	13,185	12,151	3535	B	TL-160BTB19	3 1/2	3 1/2	6 1/2	17,690	39,0	6,350	14,0	
21	14,470	13,419	3535	B	TL-160BTB21	3 1/2	3 1/2	6 1/2	21,772	48,0	6,350	14,0	
26	17,671	16,593	3535	B	TL-160BTB26	3 1/2	3 1/2	6 1/2	30,844	68,0	6,350	14,0	
35	23,422	22,312	4040	C	TL-160CTB35	4	4	7 3/4	53,524	118	6,350	14,0	
45	29,802	28,671	4040	C	TL-160CTB45	4	4	7 3/4	84,368	186	9,979	22,0	
60	39,362	38,215	4545	C	TL-160CTB60	4 1/2	4 1/2	8 3/4	132,449	292	13,608	30,0	

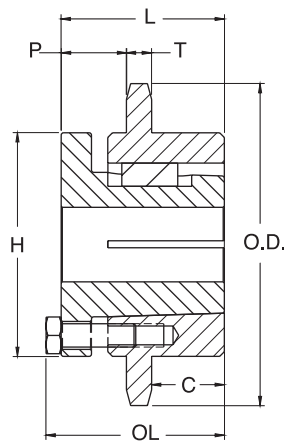


# NO 160 2" PITCH TYPE SPLIT TAPER

NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIMENSIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
11	TL-ST160R11	R1	8,010	7,099	4	3-3/4	3-13/32	2-7/8	1/4	5-3/8	1-31/32	1,156	8,301	18,3	4,899	10,8
12	TL-ST160R12	R1	8,660	7,727	4	3-3/4	3-13/32	2-7/8	1/4	5-3/8	1-31/32	1,156	9,843	21,7	6,441	14,2
13	TL-ST160R13	R1	9,310	8,357	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	10,433	23,0	7,031	15,5
14	TL-ST160R14	R1	9,960	8,988	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	11,793	26,0	8,391	18,5
15	TL-ST160R15	R1	10,610	9,620	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	13,200	29,1	9,798	21,6
16	TL-ST160R16	R1	11,260	10,252	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	14,742	32,5	11,340	25,0
17	TL-ST160R17	R1	11,900	10,885	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	16,103	35,5	12,701	28,0
18	TL-ST160R18	R1	12,540	11,518	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	17,872	39,4	14,470	31,9
19	TL-ST160R19	R1	13,190	12,151	4	3-3/4	3-5/32	2-7/8		5-3/8	1-23/32	1,156	19,686	43,4	16,284	35,9
20	TL-ST160R20	R2	13,830	12,785	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	28,123	62,0	23,133	51,0
21	TL-ST160R21	R2	14,470	13,419	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	30,391	67,0	25,401	56,0
22	TL-ST160R22	R2	15,110	14,053	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	32,205	71,0	27,216	60,0
23	TL-ST160R23	R2	15,750	14,688	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	34,473	76,0	29,484	65,0
24	TL-ST160R24	R2	16,390	15,323	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	37,421	82,5	32,432	71,5
25	TL-ST160R25	R2	17,030	15,958	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	38,555	85,0	33,566	74,0
26	TL-ST160R26	R2	17,670	16,593	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	40,823	90,0	35,834	79,0
26	TL-ST160S26	S2	17,670	16,593	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156	44,452	98,0	35,834	79,0
28	TL-ST160R28	R2	18,950	17,863	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	50,258	110,8	45,269	99,8
28	TL-ST160S28	S2	19,950	17,863	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156	53,887	118,8	45,269	99,8
30	TL-ST160R30	R2	20,230	19,134	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-23/32	1,156	53,070	117,0	48,081	106,0
30	TL-ST160S30	S2	20,230	19,134	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156	60,781	134,0	52,163	115,0
35	TL-ST160S35	S2	23,420	22,312	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156	76,657	169,0	68,039	150,0
40	TL-ST160S40	S2	26,610	25,491	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156	83,461	184,0	74,843	165,0
45	TL-ST160S45	S2	29,800	28,671	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156	101,151	223,0	92,533	204,0
60	TL-ST160U60	U0	39,360	38,215	6	5-1/2	5 25/32	5-1/4	1-15/16	8-3/8	1-21/32	1,156	153,314	338,0	139,706	308,0
70	TL-ST160U70	U0	45,730	44,578	6	5-1/2	5 25/32	5-1/4	1-15/16	8-3/8	1-21/32	1,156	174,179	384,0	160,572	354,0
80	TL-ST160S80	S2	52,100	50,943	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-23/32	1,156				
80	TL-ST160U80	U1	52,100	50,943	6	5-1/2	7-19/32	7-1/8	2-7/8	8-3/8	2 19/32	1,156	196,859	434,0	178,715	394,0



Type 4

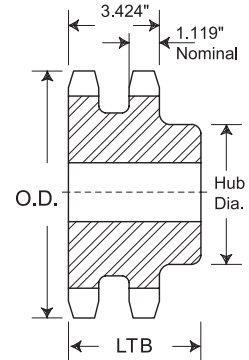


Type 6

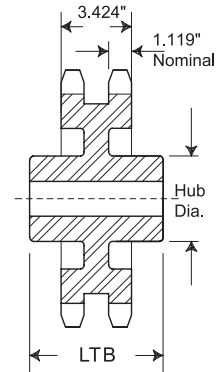
# NO 160-2 2" PITCH TYPE B & C

## Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
13	9,310	B	TL-D160B13	2	4	6	4 3/4	21,772	48
14	9,960	B	TL-D160B14	2	4 3/4	6 3/4	4 3/4	26,308	58
15	10,610	B	TL-D160B15	2	5 1/4	7	4 3/4	30,844	68
16	11,260	B	TL-D160B16	2	5 1/4	7	4 3/4	34,019	75
17	11,900	B	TL-D160B17	2	5 1/4	7	4 3/4	41,277	91
18	12,540	B	TL-D160B18	2	5 1/4	7	4 3/4	43,545	96
19	13,190	B	TL-D160B19	2	5 1/4	7	4 3/4	48,534	107
20	13,830	B	TL-D160B20	2	5 1/4	7	4 3/4	53,977	119
21	14,470	B	TL-D160B21	2	5 3/8	7 1/2	4 3/4	58,967	130
22	15,110	B	TL-D160B22	2	5 3/8	7 1/2	4 3/4	63,957	141
23	15,750	B	TL-D160B23	2	5 3/8	7 1/2	4 3/4	71,214	157
24	16,390	B	TL-D160B24	2	5 3/8	7 1/2	4 3/4	77,564	171
25	17,030	B	TL-D160B25	2	5 3/8	7 1/2	4 3/4	84,822	187
26	17,670	B	TL-D160B26	2	5 3/8	7 1/2	4 3/4	91,172	201
35	23,420	C	TL-D160C35	1 1/2	6 3/4	9 1/2	6 5/8	138,799	306
45	29,800	C	TL-D160C45	1 1/2	7	10	7 1/8	195,498	431
60	39,360	C	TL-D160C60	1 1/2	7	10	7 1/8	255,826	564



Type B

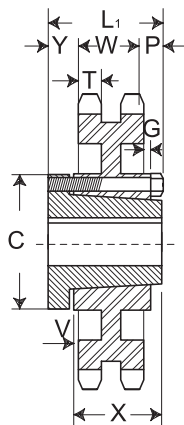


Type C

# NO 160-2 2" PITCH TYPE QD

## Type QD

NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					L1	L2	C	Y	P	G	V	X	T	W	Kgs	Lbs	Kgs	Lbs
35	22,420	22,312	M	C6	TL-160-2M35	5 1/2	6 3/4	6 3/4	9	2 3/64	1 9/32	1 5/32	30/64	5 3/16	1,119	3,424	117,480	259	100,698	222
45	28,671	28,671	N	C6	TL-160-2N45	6	8 1/8	8 1/8	10	2 11/32	2 23/64	2 5/32	21/32	6 1/4	1,119	3,424	171,004	377	154,221	340
60	38,215	38,215	N	C6	TL-160-2N60	6	8 1/8	8 1/8	10	2 11/32	2 23/64	2 5/32	21/32	6 1/4	1,119	3,424	230,879	509	214,096	472



QD - Type C6

# NO 180 2 1/4" PITCH TYPE B & C

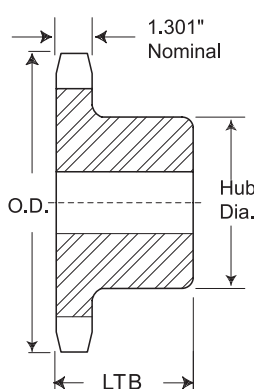
## Type A

## Type B, C

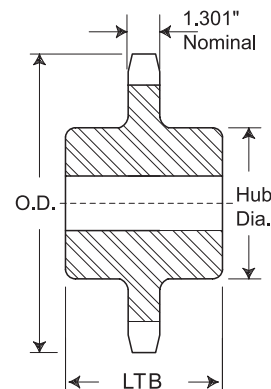
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs		Std	Max	Diameter	LTB	Kgs	Lbs
11	9,010	TL-180A11	1 1/2	6,350	14	TL-180B11	1 1/2	3 5/8	5 1/2	3	13,154	29
12	9,750	TL-180A12	1 1/2	7,257	16	TL-180B12	1 1/2	4	6	3	14,515	32
13	10,480	TL-180A13	1 1/2	9,072	20	TL-180B13	1 1/2	4 5/8	6 3/4	3 1/8	18,144	40
14	11,210	TL-180A14	1 1/2	10,886	24	TL-180B14	1 1/2	5 1/4	7	3 1/8	19,958	44
15	11,930	TL-180A15	1 1/2	12,701	28	TL-180B15	1 1/2	5 1/4	7	3 1/8	21,772	48
16	12,660	TL-180A16	1 1/2	14,515	32	TL-180B16	1 1/2	5 1/4	7	3 1/8	23,587	52
17	13,390	TL-180A17	1 1/2	16,783	37	TL-180B17	1 1/2	5 1/4	7	3 1/8	26,308	58
18	14,110	TL-180A18	1 1/2	19,504	43	TL-180B18	1 1/2	5 1/4	7	3 1/8	28,576	63
19	14,830	TL-180A19	1 1/2	21,319	47	TL-180B19	1 1/2	5 3/8	7 1/2	3 3/8	33,566	74
20	15,560	TL-180A20	1 1/2	24,040	53	TL-180B20	1 1/2	5 3/8	7 1/2	3 3/8	36,741	81
21	16,280	TL-180A21	1 1/2	25,855	57	TL-180B21	1 1/2	5 3/8	7 1/2	3 3/8	37,648	83
22	17,000	TL-180A22	1 1/2	28,123	62	TL-180B22	1 1/2	5 3/8	7 1/2	3 3/8	41,730	92
23	17,720	TL-180A23	1 1/2	31,298	69	TL-180B23	1 1/2	5 3/8	7 1/2	3 3/8	44,906	99
24	18,440	TL-180A24	1 1/2	34,927	77	TL-180B24	1 1/2	5 3/8	7 1/2	3 3/8	47,627	105
25	19,160	TL-180A25	1 1/2	38,102	84	TL-180B25	1 1/2	5 3/8	7 1/2	3 3/8	51,256	113
28	21,320	TL-180A28	1 1/2	47,174	104	TL-180B28	1 1/2	5 1/2	8	3 1/2	61,235	135
30	22,760	TL-180A30	1 1/2	54,431	120	TL-180C30	1 1/2	5 3/4	8 1/2	4 3/8	81,647	180
35	26,350	TL-180A35	1 1/2	78,018	172	TL-180C35	1 1/2	5 3/4	8 1/2	4 3/8	100,698	222
40	29,940	TL-180A40	1 1/2	103,873	229	TL-180C40	1 1/2	5 3/4	8 1/2	4 3/8	122,470	270
45	33,530	TL-180A45	1 1/2	128,820	284	TL-180C45	1 1/2	6	9	5	142,882	315
54	39,980	TL-180A54	1 1/2	190,509	420	TL-180C54	1 1/2	6	9	5	216,364	477
60	44,280	TL-180A60	1 1/2	229,064	505	TL-180C60	1 1/2	6 1/2	9 1/2	5 3/8	221,807	489



Type A



Type B



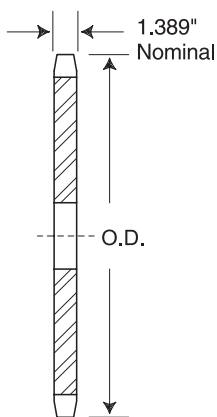
Type C

# NO 200 2 1/2" PITCH TYPE A, B & C

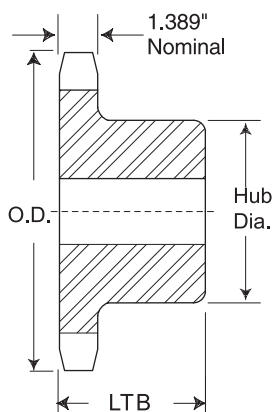
## Type A

## Type B, C

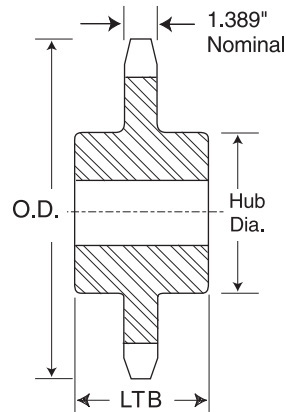
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
10	9,200	TL-200A10	1 1/2	7,257	16	TL-200B10	B	1 1/2	3 3/4	5 1/2	3	11,793	26
11	10,020	TL-200A11	1 1/2	9,072	20	TL-200B11	B	1 1/2	4	6	3	14,969	33
12	10,830	TL-200A12	1 1/2	10,886	24	TL-200B12	B	1 1/2	4 1/2	6 1/2	3	16,783	37
13	11,640	TL-200A13	1 1/2	13,608	30	TL-200B13	B	1 1/2	5 1/4	7	3	20,865	46
14	12,460	TL-200A14	1 1/2	14,515	32	TL-200B14	B	1 1/2	5 3/8	7 1/2	3 1/2	26,762	59
15	13,260	TL-200A15	1 1/2	18,144	40	TL-200B15	B	1 1/2	5 3/8	7 1/2	3 1/2	29,030	64
16	14,070	TL-200A16	1 1/2	20,865	46	TL-200B16	B	1 1/2	5 3/8	7 1/2	3 1/2	32,659	72
17	14,870	TL-200A17	1 1/2	23,133	51	TL-200B17	B	1 1/2	5 3/8	7 1/2	3 1/2	34,473	76
18	15,680	TL-200A18	1 1/2	25,855	57	TL-200B18	B	1 1/2	5 3/8	7 1/2	3 1/2	38,102	84
19	16,480	TL-200A19	1 1/2	29,484	65	TL-200B19	B	1 1/2	5 3/8	7 1/2	3 1/2	41,277	91
20	17,290	TL-200A20	1 1/2	32,659	72	TL-200B20	B	1 1/2	5 3/8	7 1/2	3 1/2	44,452	98
21	18,090	TL-200A21	1 1/2	37,195	82	TL-200B21	B	1 1/2	5 3/8	7 1/2	3 1/2	48,081	106
22	18,890	TL-200A22	1 1/2	39,916	88	TL-200B22	B	1 1/2	5 3/4	8 1/2	4	59,421	131
23	19,690	TL-200A23	1 1/2	43,091	95	TL-200B23	B	1 1/2	5 3/4	8 1/2	4	61,689	136
24	20,490	TL-200A24	1 1/2	47,627	105	TL-200B24	B	1 1/2	5 3/4	8 1/2	4	64,410	142
25	21,290	TL-200A25	1 1/2	51,256	113	TL-200B25	B	1 1/2	5 3/4	8 1/2	4	69,400	153
26	22,090	TL-200A26	1 1/2	56,245	124	TL-200C26	C	1 1/2	5 3/4	8 1/2	4 1/2	80,739	178
28	23,690	TL-200A28	1 1/2	65,317	144	TL-200C28	C	1 1/2	5 3/4	8 1/2	4 1/2	88,451	195
30	25,290	TL-200A30	1 1/2	75,750	167	TL-200C30	C	1 1/2	5 3/4	8 1/2	4 1/2	96,162	212
32	26,880	TL-200A32	1 1/2	88,451	195	TL-200C32	C	1 1/2	5 3/4	8 1/2	4 1/2	99,790	220
35	29,280	TL-200A35	1 1/2	102,965	227	TL-200C35	C	1 1/2	5 3/4	8 1/2	4 1/2	115,212	254
40	33,270	TL-200A40	1 1/2	136,531	301	TL-200C40	C	1 1/2	6	9	5	145,150	320
45	37,250	TL-200A45	1 1/2	176,901	390	TL-200C45	C	1 1/2	6	9	5	165,108	364
54	44,420	TL-200A54	1 1/2	251,744	555	TL-200C54	C	1 1/2	6 1/2	9 1/2	5 1/2	232,239	512
60	49,200	TL-200A60	1 1/2	313,886	692	TL-200C60	C	1 1/2	6 1/2	9 1/2	5 1/2	296,649	654



Type A



Type B



Type C

# NO 200 2 1/2" PITCH TYPE QD

## Type QD

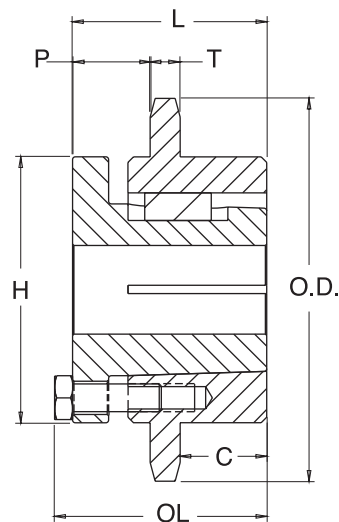
NO TEETH	DIAMETER		BUSHING	TYPE	REFERENCE	BORE (Inch)	DIMENSIONS										WEIGHT WITH HUB		WEIGHT RIM	
	OD Inch	Pitch Inch					Max	L1	L2	C	Y	P	G	V	X	T	Kgs	Lbs	Kgs	Lbs
12	10,830	9,660	F	C	TL-200F12	3 15/16	3 5/8	4	6 5/8	1	1 5/16	1 5/8		2 1/2	1,389	11,567	25,5	10,886	24	
13	11,640	10,447	J	C	TL-200J13	4 7/16	4 1/2	5	7 1/4	1 3/16	2	1 13/16		3 3/16	1,389	22,906	50,5	14,515	32	
14	12,460	11,235	J	C	TL-200J13	4 7/16	4 1/2	5	7 1/4	1 3/16	2	1 13/16		3 3/16	1,389	26,082	57,5	17,690	39	
15	13,260	12,025	J	C	TL-200J13	4 7/16	4 1/2	5	7 1/4	1 3/16	2	1 13/16		3 3/16	1,389	28,350	62,5	19,958	44	
16	14,070	12,815	J	C	TL-200J16	4 7/16	4 1/2	5	7 1/4	1 3/16	2	1 13/16		3 3/16	1,389	31,071	68,5	22,680	50	
17	14,870	13,605	M	C1	TL-200M17	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	51,256	113	34,473	76	
18	15,680	14,397	M	C1	TL-200M18	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	53,977	119	37,195	82	
19	16,480	15,910	M	C1	TL-200M19	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	56,699	125	39,916	88	
20	17,290	15,982	M	C1	TL-200M20	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	60,781	134	43,998	97	
21	18,090	16,775	M	C1	TL-200M21	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	63,503	140	46,720	103	
22	18,890	17,567	M	C1	TL-200M22	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	67,585	149	50,802	112	
23	19,690	18,360	M	C1	TL-200M23	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	71,214	157	54,431	120	
24	20,490	19,152	M	C1	TL-200M24	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	76,204	168	59,421	131	
25	21,290	19,947	M	C1	TL-200M25	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	79,379	175	62,596	138	
26	22,090	20,740	M	C1	TL-200M26	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	83,915	185	67,132	148	
28	23,690	22,330	M	C1	TL-200M28	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	92,986	205	76,204	168	
30	25,290	23,917	M	C1	TL-200M30	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	102,965	227	86,183	190	
32	26,880	25,505	M	C1	TL-200M32	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	113,852	251	97,069	214	
35	29,280	27,890	M	C1	TL-200M35	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	120,202	265	103,419	228	
40	33,270	31,865	M	C1	TL-200M40	5 1/2	6 3/4	6 3/4	9	2 23/32	2 23/32	2 5/16	1 1/2	5 3/16	1,389	142,882	315	126,099	278	
45	37,250	35,840	N	C1	TL-200N45	5 7/8	8 1/8	8 1/8	10	3 13/32	3 13/32	3 3/16	1 11/16	6 1/4	1,389	183,705	405	157,850	348	
54	44,420	42,995	N	C1	TL-200N54	5 7/8	8 1/8	8 1/8	10	3 13/32	3 13/32	3 3/16	1 11/16	6 1/4	1,389	242,672	535	216,817	478	
60	49,200	47,767	N	C1	TL-200N60	5 7/8	8 1/8	8 1/8	10	3 13/32	3 13/32	3 3/16	1 11/16	6 1/4	1,389	301,639	665	275,784	608	





# NO 200 2 1/2" PITCH TYPE SPLIT TAPER

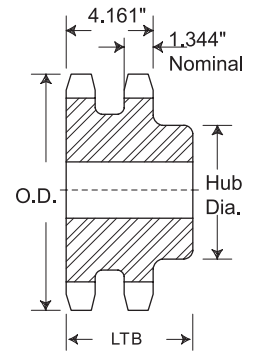
NO TEETH	REFERENCE	BUSHING	DIAMETER		TYPE	MAX. BORE	DIAMENCIONS						WEIGHT HUB		WEIGHT RIM	
			Outside Dia.	Pitch Dia.			OL	L	C	H	P	T (nom)	Kgs	Lbs	Kgs	Lbs
12	TL-ST200R12	R2	10,830	9,660	6	3-5/8	5-5/32	4-7/8	2	5-3/8	1-1/2	1,389	21,001	46,3	16,012	35,3
13	TL-ST200S13	S2	11,640	10,447	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-1/2	1,389	32,296	71,2	23,678	52,2
14	TL-ST200S14	S2	12,460	11,235	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-1/2	1,389	34,700	76,5	26,082	57,5
15	TL-ST200S15	S2	13,260	12,025	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-1/2	1,389	36,287	80,0	27,669	61,0
16	TL-ST200S16	S2	14,070	12,815	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-1/2	1,389	40,823	90,0	32,205	71,0
17	TL-ST200S17	S2	14,870	13,605	6	4-3/16	7-1/8	6-3/4	2-7/8	6-3/8	2-1/2	1,389	44,452	98,0	35,834	79,0
18	TL-ST200U18	U0	15,680	14,397	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	48,308	106,5	34,700	76,5
19	TL-ST200U19	U0	16,480	15,190	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	51,573	113,7	37,966	83,7
20	TL-ST200U20	U0	17,290	15,982	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	55,021	121,3	41,413	91,3
21	TL-ST200U21	U0	18,090	16,775	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	58,695	129,4	45,087	99,4
22	TL-ST200U22	U0	18,890	17,567	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	63,503	140,0	49,895	110,0
23	TL-ST200U23	U0	19,690	18,360	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	66,678	147,0	53,070	117,0
24	TL-ST200U24	U0	20,490	19,152	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	70,760	156,0	57,153	126,0
25	TL-ST200U25	U0	21,290	19,947	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	77,111	170,0	63,503	140,0
26	TL-ST200U26	U0	22,090	20,740	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	81,647	180,0	68,039	150,0
28	TL-ST200U27	U0	23,690	22,330	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	90,265	199,0	76,657	169,0
30	TL-ST200U30	U0	25,290	23,917	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	98,883	218,0	85,275	188,0
32	TL-ST200U32	U0	26,880	25,505	6	5-1/2	5-23/32	5-1/4	1-5/8	8-3/8	2-17/32	1,389	109,769	242,0	96,162	212,0
35	TL-ST200U35	U1	29,280	27,890	6	5-1/2	7-19/32	7-1/8	2-7/8	8-3/8	2-7/8	1,389	132,449	292,0	114,305	252,0
40	TL-ST200U40	U1	33,270	31,865	6	5-1/2	7-19/32	7-1/8	2-7/8	8-3/8	2-7/8	1,389	156,943	346,0	138,799	306,0
45	TL-ST200U45	U1	37,250	35,840	6	5-1/2	7-19/32	7-1/8	2-7/8	8-3/8	2-7/8	1,389	149,685	330,0	131,542	290,0
54	TL-ST200U54	U2	44,420	42,995	6	5	10-19/32	10-1/8	4-1/4	8-3/8	3-29/32	1,389	197,313	435,0	174,633	385,0
60	TL-ST200U60	U2	49,200	47,767	6	5	10-19/32	10-1/8	4-1/4	8-3/8	3-29/32	1,389	224,528	495,0	201,849	445,0



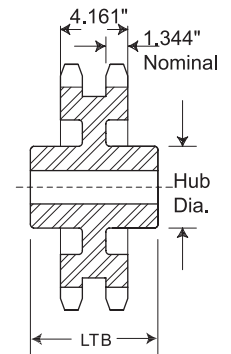
# NO 200-2 2 1/2" PITCH TYPE B & C

## Type B, C

NO TEETH	OD Inch	TYPE	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Std	Max	Diameter	LTB	Kgs	Lbs
11	10,020	B	TL-200-2B11	2	3 3/4	5 1/2	5 7/8	25,855	57
12	10,830	B	TL-200-2B12	2	4 1/2	6 1/2	6 1/4	36,287	80
13	11,640	B	TL-200-2B13	2	5 1/4	7	6 3/8	43,545	96
14	12,460	B	TL-200-2B14	2	5 1/2	8	6 3/8	53,977	119
15	13,260	B	TL-200-2B15	2	5 3/4	8 1/2	6 3/8	62,596	138
16	14,070	B	TL-200-2B16	2	5 3/4	8 1/2	6 5/8	73,028	161
17	14,870	B	TL-200-2B17	2	5 3/4	8 1/2	6 5/8	80,739	178
18	15,680	B	TL-200-2B18	2	5 3/4	8 1/2	6 5/8	88,904	196
19	16,480	B	TL-200-2B19	2	5 3/4	8 1/2	6 5/8	98,430	217
20	17,290	B	TL-200-2B20	2	5 3/4	8 1/2	6 5/8	107,048	236
21	18,090	B	TL-200-2B21	2	5 3/4	8 1/2	6 5/8	113,398	250
22	18,890	B	TL-200-2B22	2	5 3/4	8 1/2	6 5/8	128,820	284
23	19,690	B	TL-200-2B23	2	5 3/4	8 1/2	6 5/8	139,706	308
24	20,490	B	TL-200-2B24	2	5 3/4	8 1/2	6 5/8	149,685	330
25	21,290	B	TL-200-2B25	2	5 3/4	8 1/2	6 5/8	162,386	358
26	22,090	B	TL-200-2B26	2	5 3/4	8 1/2	6 5/8	175,087	386
45	37,250	C	TL-200-2C45	2 1/2	7	10	8 1/2	301,639	665
60	49,200	C	TL-200-2C60	2 1/2	7	10	9	440,892	972



Type B



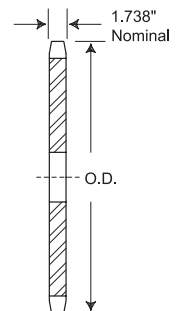
Type C

# NO 240 3" PITCH TYPE A, B & C

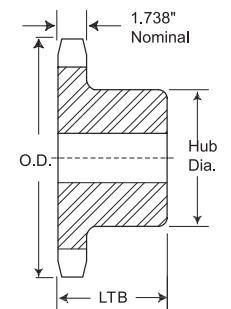
## Type A

## Type B, C

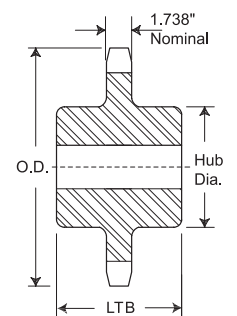
NO TEETH	OD Inch	REFERENCE	BORE (Inch)	WEIGHT		REFERENCE	TYPE	BORE (Inch)		HUB (Inch)		WEIGHT	
				Kgs	Lbs			Std	Max	Diameter	LTB	Kgs	Lbs
10	11,030	TL-240A10	1 1/2	13,608	30	TL-240B10	B	1 1/2	4 1/2	6 1/2	3 3/8	22,226	49
11	12,020	TL-240A11	1 1/2	16,783	37	TL-240B11	B	1 1/2	4 3/4	7	3 7/8	29,937	66
12	13,000	TL-240A12	1 1/2	20,412	45	TL-240B12	B	1 1/2	5 3/8	7 1/2	3 7/8	32,659	72
13	13,970	TL-240A13	1 1/2	24,494	54	TL-240B13	B	1 1/2	5 3/8	7 1/2	3 7/8	36,741	81
14	14,940	TL-240A14	1 1/2	28,123	62	TL-240B14	B	1 1/2	5 3/8	7 1/2	3 7/8	39,916	88
15	15,910	TL-240A15	1 1/2	30,844	68	TL-240B15	B	1 1/2	5 3/8	7 1/2	3 7/8	44,452	98
16	16,880	TL-240A16	1 1/2	37,195	82	TL-240B16	B	1 1/2	5 1/2	8	4 1/8	54,431	120
17	17,850	TL-240A17	1 1/2	42,184	93	TL-240B17	B	1 1/2	5 1/2	8	4 1/8	62,142	137
18	18,810	TL-240A18	1 1/2	48,988	108	TL-240B18	B	1 1/2	5 1/2	8	4 1/8	64,410	142
19	19,780	TL-240A19	1 1/2	54,431	120	TL-240B19	B	1 1/2	5 1/2	8	4 1/8	69,853	154
20	20,740	TL-240A20	1 1/2	58,060	128	TL-240B20	B	1 1/2	5 1/2	8	4 1/8	76,657	169
21	21,710	TL-240A21	1 1/2	67,132	148	TL-240B21	B	1 1/2	5 1/2	8	4 1/8	84,368	186
25	25,550	TL-240A25	1 1/2	94,347	208	TL-240B25	B	1 1/2	5 1/2	8	4 1/8	115,212	254
30	30,340	TL-240A30	1 1/2	140,614	310	TL-240C30	C	1 1/2	6	9	6 1/4	180,530	398
35	35,130	TL-240A35	1 1/2	188,694	416	TL-240C35	C	1 1/2	6	9	6 1/4	239,043	527
40	39,920	TL-240A40	1 1/2	248,569	548	TL-240C40	C	1 1/2	7	10	6 3/4	304,814	672
45	44,700	TL-240A45	1 1/2	318,422	702	TL-240C45	C	1 1/2	7	10	6 3/4	385,554	850
54	53,310	TL-240A54	1 1/2	463,571	1022	TL-240C54	C	1 1/2	7	10	6 3/4	520,724	1148
60	59,040	TL-240A60	1 1/2	575,155	1268	TL-240C60	C	1 1/2	7	10	6 3/4	643,648	1419



Type A



Type B

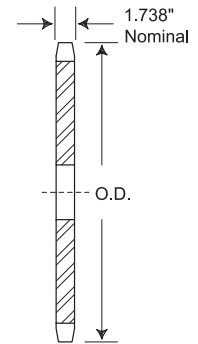
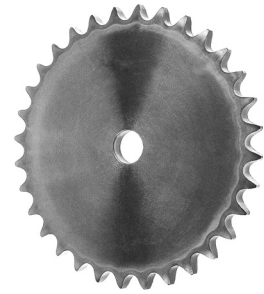


Type C

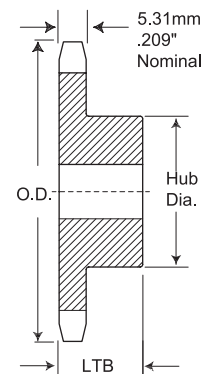
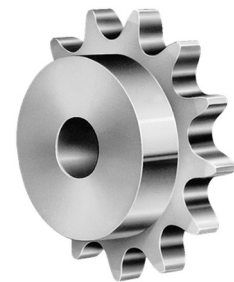
# IB. ISO SPROCKETS

## NO 06B-1 METRIC 35 3/8" (9,525 mm) PITCH

Type A					Type B					
NO TEETH	PITCH DIA.	REFERENCE	BORE	WEIGHT	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
						Std mm	Max mm	Dia. mm	LTB mm	
8	24,89				TL-06B8	8	9	13	22	0,03
9	27,85				TL-06B9	8	11	16	22	0,04
10	30,82				TL-06B10	8	12	20	22	0,06
11	33,81				TL-06B11	8	14	23	25	0,09
12	36,80				TL-06B12	8	16	26	25	0,10
13	39,80				TL-06B13	10	18	29	25	0,11
14	42,80				TL-06B14	10	16	31	25	0,12
15	45,81	TL-06A15	8	0,07	TL-06B15	10	20	34	25	0,14
16	48,82	TL-06A16	10	0,08	TL-06B16	10	22	37	25	0,18
17	51,84	TL-06A17	10	0,18	TL-06B17	10	25	40	28	0,20
18	54,85	TL-06A18	10	0,11	TL-06B18	10	25	43	28	0,23
19	57,87	TL-06A19	10	0,12	TL-06B19	10	28	46	28	0,25
20	60,89	TL-06A20	10	0,13	TL-06B20	10	30	49	28	0,31
21	63,91	TL-06A21	10	0,14	TL-06B21	12	30	50	28	0,36
22	66,93	TL-06A22	10	0,15	TL-06B22	12	32	51	28	0,37
23	69,95	TL-06A23	10	0,17	TL-06B23	12	32	52	28	0,39
24	72,97	TL-06A24	10	0,19	TL-06B24	12	32	54	28	0,40
25	76,00	TL-06A25	10	0,20	TL-06B25	12	35	57	28	0,41
26	79,02	TL-06A26	10	0,21	TL-06B26	12	38	60	28	0,42
27	82,05	TL-06A27	10	0,22	TL-06B27	12	38	60	28	0,44
28	85,07	TL-06A28	10	0,23	TL-06B28	12	38	60	28	0,45
29	88,10	TL-06A29	10	0,25	TL-06B29	12	38	60	28	0,47
30	91,12	TL-06A30	10	0,27	TL-06B30	12	38	60	30	0,48
32	97,18	TL-06A32	12	0,20	TL-06B32	14	40	65	30	0,56
35	106,26	TL-06A35	12	0,27	TL-06B35	14	40	65	30	0,68
36	109,29	TL-06A36	12	0,28	TL-06B36	16	45	70	30	0,71
38	115,35	TL-06A38	14	0,43	TL-06B38	16	45	70	30	0,77
40	121,40	TL-06A40	14	0,45	TL-06B40	16	45	70	30	0,81
42	127,46	TL-06A342	14	0,48	TL-06B42	16	45	70	30	0,85
45	136,55	TL-06A45	14	0,51	TL-06B45	16	45	75	30	0,91
48	145,64	TL-06A48	14	0,54	TL-06B48	16	45	75	30	0,97
54	163,82	TL-06A54	14	0,61	TL-06B54	16	45	75	30	1,09
57	172,91	TL-06A57	18	0,86	TL-06B57	19	45	75	30	1,27
60	182,00	TL-06A60	18	0,91	TL-06B60	19	45	75	30	1,34
64	194,12	TL-06A64	18	0,97	TL-06B64	19	45	75	30	1,43
70	212,30	TL-06A70	18	1,06	TL-06B70	19	45	75	30	1,56
72	218,37	TL-06A72	18	1,09	TL-06B72	19	45	75	30	1,60
76	230,49	TL-06A76	18	1,45	TL-06B76	19	45	75	30	1,91
80	242,61	TL-06A80	18	1,53	TL-06B80	19	45	75	30	2,01
84	254,74	TL-06A84	18	1,60	TL-06B84	19	45	75	30	2,11
90	272,93	TL-06A90	18	1,72	TL-06B90	19	52	75	30	2,26
95	288,08	TL-06A95	18	2,18	TL-06B95	19	52	75	30	2,61
96	291,11	TL-06A96	18	2,20	TL-06B96	19	52	75	30	2,64
114	345,68	TL-06A114	18	3,13	TL-06B114	19	52	75	30	3,63



Type A

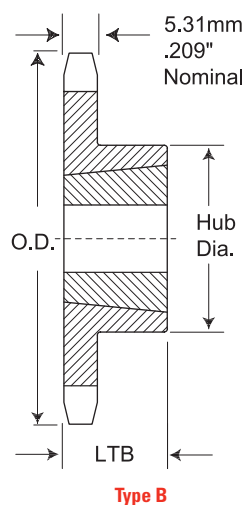


Type B

# NO 06B-1 METRIC 35 3/8" (9,525 mm) PITCH TYPE TAPER BUSH

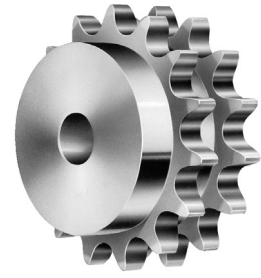
## Taper Bushed

NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
18	54,85	TL-06BTB18	1008	25,40	22,23	47,63	0,18	0,14
19	57,87	TL-06BTB19	1008	25,40	22,23	46,04	0,23	0,14
20	60,89	TL-06BTB20	1008	25,40	22,23	49,20	0,27	0,14
21	63,91	TL-06BTB21	1008	25,40	22,23	52,39	0,32	0,14
22	66,93	TL-06BTB22	1210	31,75	25,40	60,33	0,36	0,27
23	69,95	TL-06BTB23	1210	31,75	25,40	61,91	0,41	0,27
24	72,97	TL-06BTB24	1210	31,75	25,40	61,91	0,41	0,27
25	76,00	TL-06BTB25	1210	31,75	25,40	61,91	0,54	0,27
26	79,02	TL-06BTB26	1610	41,28	25,40	73,03	0,5	0,41
28	85,07	TL-06BTB28	1610	41,28	25,40	73,03	0,54	0,41
30	91,12	TL-06BTB30	1610	41,28	25,40	79,38	0,54	0,41
32	97,18	TL-06BTB32	1610	41,28	25,40	82,55	0,59	0,41
35	106,26	TL-06BTB35	1610	41,28	25,40	82,55	0,64	0,41
36	109,29	TL-06BTB36	1610	41,28	25,40	82,55	0,64	0,41
38	115,35	TL-06BTB38	1610	41,28	25,40	82,55	0,68	0,41
40	121,40	TL-06BTB40	1610	41,28	25,40	82,55	0,86	0,41
45	136,55	TL-06BTB45	1610	41,28	25,40	82,55	0,95	0,41
48	145,65	TL-06BTB48	1610	41,28	25,40	82,55	1,04	0,41
54	163,82	TL-06BTB54	1610	41,28	25,40	82,55	1,18	0,41
57	172,91	TL-06BTB57	1610	41,28	25,40	82,55	1,25	0,41
60	182,00	TL-06BTB60	1610	41,28	25,40	82,55	1,36	0,41
70	212,30	TL-06BTB70	1610	41,28	25,40	82,55	1,68	0,41
76	230,49	TL-06BTB76	1610	41,28	25,40	82,55	1,82	0,41
95	288,08	TL-06BTB95	1610	41,28	25,40	82,55	2,28	0,41

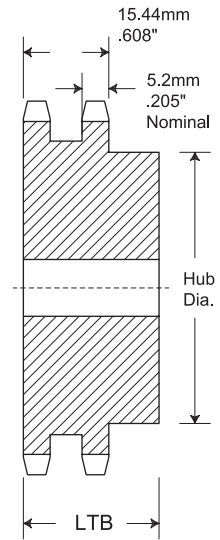


# NO 06B-2 METRIC 35-2 3/8" (9,525 mm) PITCH

## Type B



NO TEETH	PITCH DIA.	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
			Std mm	Max mm	Dia. mm	LTB mm	
	mm						Kgs
12	36,80	TL-06B-2B12	10	16	25	25	0,16
13	39,79	TL-06B-2B13	10	18	28	25	0,20
14	42,80	TL-06B-2B14	10	18	31	25	0,25
15	45,81	TL-06B-2B15	10	20	34	25	0,29
16	48,82	TL-06B-2B16	12	20	37	30	0,34
17	51,83	TL-06B-2B17	12	24	40	30	0,39
18	54,85	TL-06B-2B18	12	25	43	30	0,45
19	57,87	TL-06B-2B19	12	28	46	30	0,52
20	60,89	TL-06B-2B20	12	30	49	30	0,59
21	63,91	TL-06B-2B21	12	30	52	30	0,68
22	66,93	TL-06B-2B22	12	35	55	30	0,75
23	69,95	TL-06B-2B23	12	38	58	30	0,80
24	72,97	TL-06B-2B24	12	39	61	30	0,84
25	76,00	TL-06B-2B25	12	40	64	30	0,89
26	79,02	TL-06B-2B26	12	42	67	30	0,91
27	82,05	TL-06B-2B27	12	45	70	30	1,00
28	85,07	TL-06B-2B28	12	48	73	30	1,07
29	88,10	TL-06B-2B29	12	50	76	30	1,14
30	91,12	TL-06B-2B30	12	52	80	30	1,22
32	98,18	TL-06B-2B32	16	52	80	30	1,30
35	106,26	TL-06B-2B35	16	52	80	30	1,42
36	109,29	TL-06B-2B36	16	60	90	30	1,58
38	115,35	TL-06B-2B38	16	60	90	30	1,72
40	121,40	TL-06B-2B40	16	52	80	35	1,81
42	127,46	TL-06B-2B42	19	60	90	35	2,05
45	136,55	TL-06B-2B45	19	60	90	35	2,35
48	145,64	TL-06B-2B48	19	60	90	35	2,75
52	157,75	TL-06B-2B52	19	60	90	35	3,13
57	172,91	TL-06B-2B57	19	60	90	35	3,47
60	182,00	TL-06B-2B60	19	60	90	35	3,78
68	206,24	TL-06B-2B68	19	60	90	35	4,43
70	212,30	TL-06B-2B70	19	60	90	35	4,56
72	218,37	TL-06B-2B72	19	60	90	35	4,89
76	230,49	TL-06B-2B76	19	60	90	38	5,67
84	254,74	TL-06B-2B84	19	60	90	38	7,10
95	288,08	TL-06B-2B95	25	62	95	38	8,64
96	291,11	TL-06B-2B96	25	62	95	38	8,75
114	345,68	TL-06B-2B114	25	62	95	38	11,12

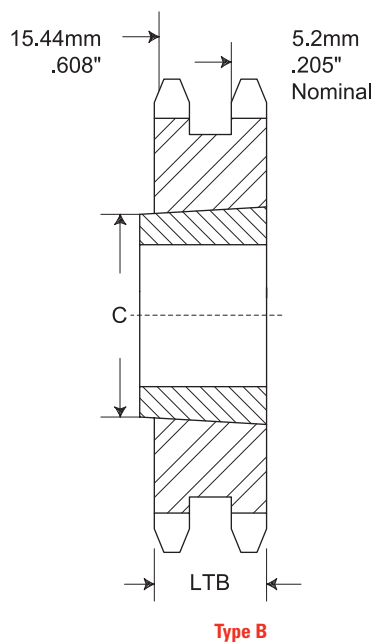


Type B

# NO 06B-2 METRIC 35-2 3/8" (9,525 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

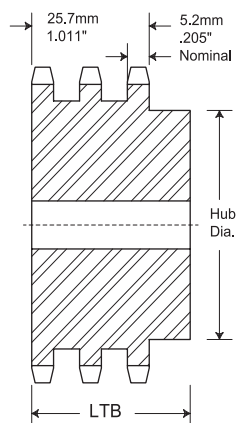
NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
19	57,87	TL-06B-2BTB19	1008	25,40	22,23	46,43	0,6	0,14
20	60,89	TL-06B-2BTB20	1008	25,40	22,23	49,20	0,8	0,14
21	63,91	TL-06B-2BTB21	1008	25,40	22,23	52,39	1,4	0,14
22	66,93	TL-06B-2BTB22	1008	25,40	22,23	55,56	1,7	0,14
24	72,97	TL-06B-2BTB24	1210	31,75	25,40	61,91	1,8	0,27
25	76,00	TL-06B-2BTB25	1210	31,75	25,40	61,91	1,9	0,27
26	79,02	TL-06B-2BTB26	1210	31,75	25,40	66,68	2,0	0,27
30	91,12	TL-06B-2BTB30	1610	41,28	25,40	79,38	1,8	0,41
32	97,18	TL-06B-2BTB32	1610	41,28	25,40	82,55	2,0	0,41
35	106,26	TL-06B-2BTB35	1610	41,28	25,40	82,55	2,3	0,41
38	115,34	TL-06B-2BTB38	1610	41,28	25,40	82,55	2,5	0,41
40	121,40	TL-06B-2BTB40	1610	41,28	25,40	82,55	2,9	0,41
45	136,55	TL-06B-2BTB45	1610	41,28	25,40	82,55	3,2	0,41
48	145,65	TL-06B-2BTB48	1610	41,28	25,40	92,08	3,5	0,41
54	163,82	TL-06B-2BTB54	1610	41,28	25,40	92,08	3,9	0,41
57	172,91	TL-06B-2BTB57	1610	41,28	25,40	92,08	4,1	0,41
60	182,00	TL-06B-2BTB60	1610	41,28	25,40	92,08	4,9	0,41
70	212,30	TL-06B-2BTB70	1610	41,28	25,40	92,08	6,3	0,41
76	230,49	TL-06B-2BTB76	1610	41,28	25,40	92,08	6,8	0,41
95	288,08	TL-06B-2BTB95	1610	41,28	25,40	92,08	6,9	0,41



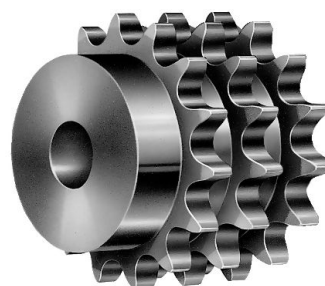
# NO 06B-3 METRIC 35-3 3/8" (9,525 mm) PITCH

## Type B

NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
12	36,80	TL-06B-3B12	12	16	25	35	0,23
13	39,80	TL-06B-3B13	12	18	28	35	0,27
14	42,80	TL-06B-3B14	12	18	31	35	0,32
15	45,81	TL-06B-3B15	12	20	34	35	0,36
16	48,82	TL-06B-3B16	12	20	37	35	0,45
17	51,84	TL-06B-3B17	12	24	40	35	0,54
18	54,85	TL-06B-3B18	12	25	43	35	0,64
19	57,87	TL-06B-3B19	12	28	46	35	0,72
20	60,89	TL-06B-3B20	12	30	49	35	0,77
21	63,91	TL-06B-3B21	14	30	52	40	0,86
22	66,93	TL-06B-3B22	14	35	54	40	0,95
23	69,95	TL-06B-3B23	14	38	58	40	1,04
24	72,97	TL-06B-3B24	14	39	61	40	1,18
25	76,00	TL-06B-3B25	14	40	64	40	1,27
26	79,02	TL-06B-3B26	14	42	67	40	1,31
27	82,05	TL-06B-3B27	14	45	70	40	1,36
28	85,07	TL-06B-3B28	14	48	73	40	1,50
29	88,10	TL-06B-3B29	14	50	76	40	1,68
30	91,12	TL-06B-3B30	14	52	80	40	1,72
32	97,18	TL-06B-3B32	16	52	80	48	2,00
35	106,26	TL-06B-3B35	16	52	80	48	2,25
36	109,29	TL-06B-3B36	16	60	90	40	2,33
38	115,34	TL-06B-3B38	16	60	90	40	2,49
40	121,40	TL-06B-3B40	16	52	80	48	2,65
42	127,46	TL-06B-3B42	19	60	90	48	2,81
45	136,55	TL-06B-3B45	19	60	90	48	3,00
48	145,64	TL-06B-3B48	19	60	90	48	3,20
52	157,75	TL-06B-3B52	19	60	90	48	3,46
57	172,91	TL-06B-3B57	19	60	90	48	4,77
60	182,00	TL-06B-3B60	19	60	80	48	5,02
68	206,24	TL-06B-3B68	19	60	90	48	5,69
72	218,37	TL-06B-3B72	19	60	90	48	6,02
76	230,49	TL-06B-3B76	19	64	100	48	8,48
84	254,74	TL-06B-3B84	19	64	100	48	9,37
95	288,08	TL-06B-3B95	25	64	100	54	13,61
96	291,11	TL-06B-3B96	25	64	100	54	13,75
114	345,68	TL-06B-3B114	25	64	100	54	17,48



Type B

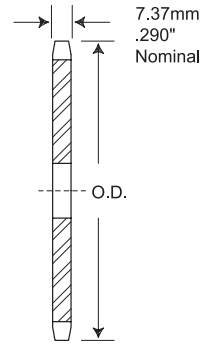
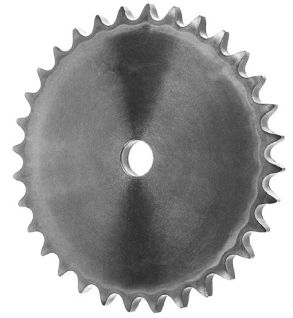


# NO 08B-1 METRIC 40 1/2" (12,700 mm) PITCH

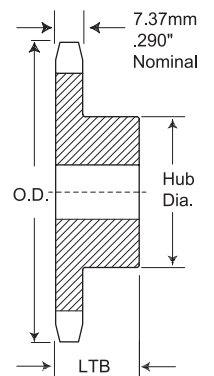
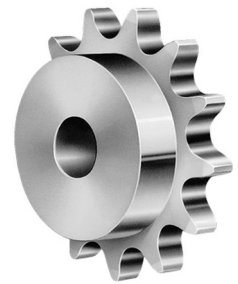
## Type A

## Type B

NO TEETH	PITCH DIA.	REFERENCE	BORE	WEIGHT	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
						Std mm	Max mm	Dia. mm	LTB mm	
9	37,13				TL-08B9	10	15	21	25	0,14
10	41,10				TL-08B10	10	20	26	25	0,15
11	45,08				TL-08B11	10	22	30	25	0,17
12	49,07	TL-08A12	10	0,08	TL-08B12	10	22	34	28	0,24
13	53,07	TL-08A13	10	0,1	TL-08B13	10	25	38	28	0,25
14	57,07	TL-08A14	10	0,12	TL-08B14	10	28	42	28	0,31
15	61,08	TL-08A15	10	0,14	TL-08B15	10	30	46	28	0,33
16	65,10	TL-08A16	10	0,15	TL-08B16	12	32	50	28	0,37
17	69,12	TL-08A17	10	0,16	TL-08B17	12	35	54	28	0,51
18	73,14	TL-08A18	10	0,2	TL-08B18	12	38	57	28	0,54
19	77,16	TL-08A19	10	0,21	TL-08B19	12	40	64	28	0,65
20	81,18	TL-08A20	10	0,25	TL-08B20	12	42	67	28	0,76
21	85,21	TL-08A21	12	0,26	TL-08B21	12	45	70	28	0,82
22	89,24	TL-08A22	12	0,3	TL-08B22	12	48	73	28	0,88
23	93,27	TL-08A23	12	0,33	TL-08B23	12	51	78	28	1,05
24	97,30	TL-08A24	12	0,37	TL-08B24	14	53	82	28	1,05
25	101,33	TL-08A25	12	0,4	TL-08B25	14	53	82	28	1,13
26	105,36	TL-08A26	16	0,43	TL-08B26	16	53	82	30	1,15
27	109,40	TL-08A27	16	0,44	TL-08B27	16	53	82	30	1,19
28	113,43	TL-08A28	16	0,5	TL-08B28	16	53	82	30	1,30
29	117,46	TL-08A29	16	0,55	TL-08B29	16	53	82	30	1,33
30	121,50	TL-08A30	15	0,57	TL-08B30	16	53	89	30	1,36
31	125,53	TL-08A31	15	0,64	TL-08B31	16	60	89	30	1,41
32	129,57	TL-08A32	15	0,67	TL-08B32	16	60	89	30	1,46
33	133,61	TL-08A33	15	0,71	TL-08B33	16	60	89	30	1,51
34	137,64	TL-08A34	15	0,74	TL-08B34	16	60	89	30	1,56
35	141,68	TL-08A35	15	0,77	TL-08B35	16	60	89	30	1,61
36	145,72	TL-08A36	15	0,83	TL-08B36	16	60	89	35	1,69
37	149,75	TL-08A37	15	0,87	TL-08B37	16	60	89	35	1,74
38	153,79	TL-08A38	15	0,91	TL-08B38	16	60	89	35	1,78
39	157,83	TL-08A39	18	0,92	TL-08B39	19	60	89	35	1,83
40	161,87	TL-08A40	18	1,01	TL-08B40	19	60	89	35	1,88
42	169,94	TL-08A42	18	1,13	TL-08B42	19	60	89	35	1,97
45	182,06	TL-08A45	18	1,43	TL-08B45	19	60	89	35	2,11
48	194,18	TL-08A48	18	1,46	TL-08B48	19	64	100	35	2,76
54	218,42	TL-08A54	18	2,01	TL-08B54	19	64	100	35	3,11
57	230,54	TL-08A57	18	2,27	TL-08B57	19	64	100	35	3,28
60	242,66	TL-08A60	18	2,03	TL-08B60	19	64	100	35	3,45
64	258,83	TL-08A64	18	2,17	TL-08B64	19	64	100	35	3,68
70	283,07	TL-08A70	18	3,28	TL-08B70	19	64	100	35	4,02
72	291,15	TL-08A72	18	3,51	TL-08B72	19	64	100	35	4,13
76	307,32	TL-08A76	18	3,70	TL-08B76	19	64	100	35	5,73
80	323,49	TL-08A80	18	4,63	TL-08B80	19	64	100	35	6,03
84	339,65	TL-08A84	18	4,57	TL-08B84	19	64	100	35	6,33
95	384,11	TL-08A95	24	5,45	TL-08B95	25	64	100	35	8,90
96	388,15	TL-08A96	24	5,51	TL-08B96	25	64	100	35	8,99
114	460,91	TL-08A114	24	6,54	TL-08B114	25	64	100	35	11,17



Type A



Type B



# NO 08B-1 METRIC 40 1/2" (12,700 mm) PITCH TYPE TAPER BUSH

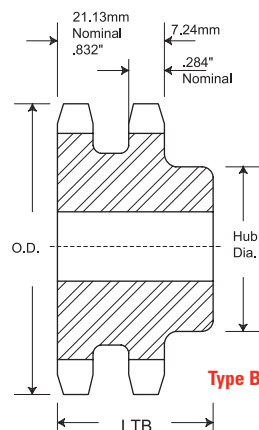
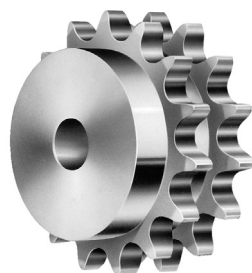
## Taper Bushed

NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm					L mm	C mm	Rim Kgs
14	57,07	TL-08BTB14	1008	25,40	22,23	46,00	0,18	0,14
15	61,08	TL-08BTB15	1008	25,40	22,23	46,00	0,18	0,14
16	65,10	TL-08BTB16	1008	25,40	22,23	46,00	0,23	0,14
17	69,12	TL-08BTB17	1210	31,75	25,40	60,00	0,23	0,14
18	73,14	TL-08BTB18	1210	31,75	25,40	62,00	0,27	0,27
19	77,16	TL-08BTB19	1210	31,75	25,40	62,00	0,32	0,27
20	81,18	TL-08BTB20	1610	41,28	25,40	70,00	0,41	0,41
21	85,21	TL-08BTB21	1610	41,28	25,40	70,00	0,45	0,41
22	89,24	TL-08BTB22	1610	41,28	25,40	70,00	0,50	0,41
23	93,27	TL-08BTB23	1610	41,28	25,40	76,00	0,59	0,41
24	97,30	TL-08BTB24	1610	41,28	25,40	82,00	0,73	0,41
25	101,33	TL-08BTB25	1610	41,28	25,40	82,00	0,73	0,41
26	105,36	TL-08BTB26	1610	41,28	25,40	82,00	0,73	0,41
27	109,40	TL-08BTB27	1610	41,28	25,40	76,00	0,70	0,41
28	113,43	TL-08BTB28	1610	41,28	25,40	76,00	0,73	0,41
29	117,46	TL-08BTB29	1610	41,28	25,40	76,00	0,76	0,41
30	121,50	TL-08BTB30	1610	41,28	25,40	73,00	0,82	0,41
32	129,57	TL-08BTB32	1610	41,28	25,40	76,00	0,87	0,41
35	141,68	TL-08BTB35	1610	41,28	25,40	76,00	0,96	0,41
36	145,72	TL-08BTB36	1610	41,28	25,40	76,00	0,98	0,41
38	153,79	TL-08BTB38	1610	41,28	25,40	76,00	1,23	0,41
40	161,87	TL-08BTB40	1610	41,28	25,40	76,00	1,29	0,41
42	169,94	TL-08BTB42	1610	41,28	25,40	76,00	1,36	0,41
45	182,06	TL-08BTB45	1610	41,28	25,40	76,00	1,46	0,41
48	194,18	TL-08BTB48	1610	41,28	25,40	76,00	1,55	0,41
54	218,42	TL-08BTB54	1610	41,28	25,40	76,00	1,75	0,41
57	230,54	TL-08BTB57	1610	41,28	25,40	76,00	2,63	0,41
60	242,66	TL-08BTB60	1610	41,28	25,40	76,00	2,77	0,41
70	283,07	TL-08BTB70	2012	50,80	31,75	90,00	3,93	0,41
72	291,15	TL-08BTB72	2012	50,80	31,75	90,00	4,05	0,41
76	307,32	TL-08BTB76	2012	50,80	31,75	90,00	4,27	0,77
80	323,49	TL-08BTB80	2012	50,80	31,75	90,00	4,49	0,77
84	339,65	TL-08BTB84	2012	50,80	31,75	90,00	4,72	0,77
95	384,11	TL-08BTB95	2012	50,80	31,75	90,00	6,81	0,77
96	388,15	TL-08BTB96	2012	50,80	31,75	90,00	6,88	0,77
114	460,91	TL-08BTB114	2517	63,50	44,45	108,00	10,44	0,77

# NO 08B-2 METRIC 40-2 1/2" (12,700 mm) PITCH

## Type B

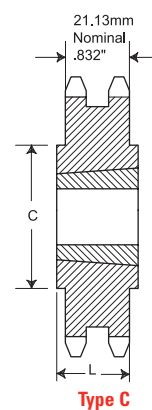
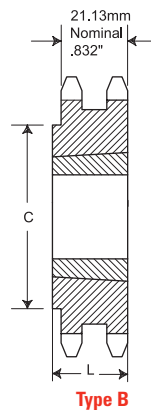
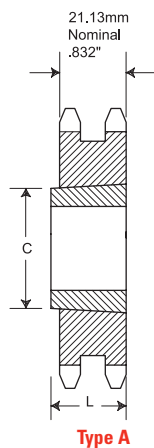
NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
10	41,10	TL-08B-2B10	10	18	26	32	0,22
11	45,08	TL-08B-2B11	11	21	30	35	0,22
12	49,07	TL-08B-2B12	12	23	34	35	0,26
13	53,07	TL-08B-2B13	12	25	38	35	0,28
14	57,07	TL-08B-2B14	12	28	42	35	0,34
15	61,08	TL-08B-2B15	12	30	46	35	0,36
16	65,10	TL-08B-2B16	14	33	50	35	0,35
17	69,12	TL-08B-2B17	14	36	54	35	0,44
18	73,14	TL-08B-2B18	14	38	58	35	0,49
19	77,16	TL-08B-2B19	14	40	62	35	0,57
20	81,18	TL-08B-2B20	14	40	66	35	0,65
21	85,21	TL-08B-2B21	16	45	70	40	0,72
22	89,24	TL-08B-2B22	16	45	70	40	0,73
23	93,27	TL-08B-2B23	16	45	70	40	0,83
24	97,30	TL-08B-2B24	16	50	75	40	0,94
25	101,33	TL-08B-2B25	16	52	80	40	0,98
26	105,36	TL-08B-2B26	20	56	85	40	1,04
27	109,40	TL-08B-2B27	20	56	85	40	1,08
28	113,43	TL-08B-2B28	20	60	90	40	1,10
29	117,46	TL-08B-2B29	20	62	95	40	1,14
30	121,50	TL-08B-2B30	20	64	100	40	1,16
32	129,57	TL-08B-2B32	20	64	100	40	1,24
35	141,68	TL-08B-2B35	20	64	100	40	1,35
36	145,72	TL-08B-2B36	20	73	110	40	2,05
38	153,79	TL-08B-2B38	20	73	110	45	2,17
40	161,87	TL-08B-2B40	20	73	110	45	2,28
42	169,94	TL-08B-2B42	20	73	110	45	2,32
45	182,06	TL-08B-2B45	20	73	110	45	2,49
48	194,18	TL-08B-2B48	20	73	110	45	2,65
54	218,42	TL-08B-2B54	25	73	110	45	2,98
57	230,54	TL-08B-2B57	25	73	110	45	3,88
60	242,66	TL-08B-2B60	25	73	110	45	4,08
68	283,07	TL-08B-2B68	25	73	110	45	4,63
72	291,16	TL-08B-2B72	25	73	110	45	4,90
76	307,32	TL-08B-2B76	30	80	120	45	6,60
84	339,65	TL-08B-2B84	30	80	120	45	7,29
95	384,11	TL-08B-2B95	30	80	120	45	9,89
96	388,15	TL-08B-2B96	30	80	120	45	9,99
114	460,90	TL-08B-2B114	30	80	120	45	12,88



# NO 08B-2 METRIC 40-2 1/2" (12,700 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

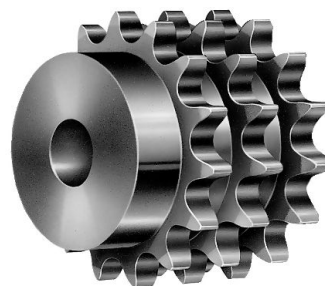
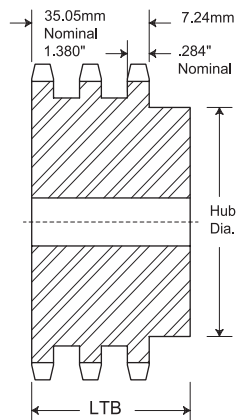
NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT		
	mm				Max mm	L mm	C mm	Rim Kgs	Bushing Kgs
15	61,08	TL-08B-2ATB15	1008	25,40	22,22			0,18	0,13
16	65,10	TL-08B-2ATB16	1008	25,40	22,22			0,22	0,13
17	69,12	TL-08B-2ATB17	1008	25,40	22,22			0,27	0,13
18	73,14	TL-08B-2BTB18	1210	31,75	25,40	58		0,27	0,27
19	77,16	TL-08B-2BTB19	1210	31,75	25,40	63		0,36	0,27
20	81,18	TL-08B-2BTB20	1610	41,27	25,40	70		0,37	0,41
21	85,21	TL-08B-2BTB21	1610	41,27	25,40	70		0,46	0,41
22	89,24	TL-08B-2BTB22	1610	41,27	25,40	74		0,55	0,41
23	93,27	TL-08B-2BTB23	1610	41,27	25,40	78		0,59	0,41
24	97,30	TL-08B-2BTB24	2012	41,27	25,40	83		0,70	0,41
25	101,33	TL-08B-2BTB25	2012	50,80	31,75	87		0,77	0,77
26	105,36	TL-08B-2BTB26	2012	50,80	31,75	87		0,80	0,77
28	113,43	TL-08B-2BTB28	2012	50,80	31,75	99		1,06	0,77
30	121,50	TL-08B-2BTB30	2012	50,80	31,75	108		1,59	0,77
35	141,68	TL-08B-2BTB35	2012	50,80	31,75	108		1,86	0,77
36	145,72	TL-08B-2BTB36	2012	50,80	31,75	108		1,91	0,77
38	153,79	TL-08B-2BTB38	2012	50,80	31,75	108		3,18	0,77
42	169,94	TL-08B-2CTB42	2517	50,80	44,45	108		5,57	1,59
45	182,06	TL-08B-2CTB45	2517	63,50	44,45	108		5,97	1,59
48	194,18	TL-08B-2CTB48	2517	63,50	44,45	108		6,37	1,59
54	218,42	TL-08B-2CTB54	2517	63,50	44,45	108		7,17	1,59
57	230,54	TL-08B-2CTB57	2517	63,50	44,45	108		7,56	1,59
60	242,66	TL-08B-2CTB60	2517	63,50	44,45	108		12,05	1,59
68	274,99	TL-08B-2CTB68	2517	63,50	44,45	108		13,66	1,59
70	283,07	TL-08B-2CTB70	2517	63,50	44,45	108		14,06	1,59
72	291,05	TL-08B-2CTB72	2517	63,50	44,45	108		14,46	1,59
76	307,32	TL-08B-2CTB76	2517	63,50	44,45	108		15,26	1,59
84	339,65	TL-08B-2CTB84	2517	63,50	44,45	108		16,87	1,59
95	384,11	TL-08B-2CTB95	2517	63,50	44,45	108		19,08	1,59
96	388,15	TL-08B-2CTB96	2517	63,50	44,45	108		19,28	1,59
114	460,91	TL-08B-2CTB114	2517	63,50	44,45	108		22,90	1,59



# NO 08B-3 METRIC 40-3 1/2" (12,700 mm) PITCH

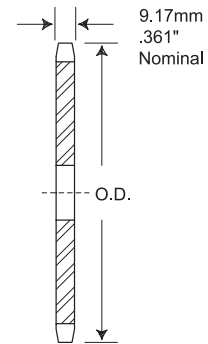
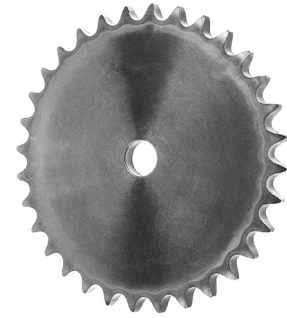
## Type B

NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
11	45,08	TL-08B-3B11	14	22	30	50	0,32
12	49,07	TL-08B-3B12	14	24	34	50	0,45
13	53,06	TL-08B-3B13	14	25	38	50	0,59
14	57,07	TL-08B-3B14	14	28	42	50	0,72
15	61,08	TL-08B-3B15	14	31	46	50	0,81
16	65,10	TL-08B-3B16	16	35	50	50	0,90
17	69,12	TL-08B-3B17	16	36	54	50	1,04
18	73,14	TL-08B-3B18	16	38	58	50	1,22
19	77,16	TL-08B-3B19	16	40	62	50	1,41
20	81,18	TL-08B-3B20	16	40	66	50	1,58
21	85,21	TL-08B-3B21	20	45	70	55	1,81
22	89,24	TL-08B-3B22	20	45	70	55	2,03
23	93,27	TL-08B-3B23	20	45	70	55	2,27
24	97,30	TL-08B-3B24	20	50	75	55	2,44
25	101,33	TL-08B-3B25	20	52	80	55	2,54
26	105,36	TL-08B-3B26	20	56	85	55	2,85
27	109,40	TL-08B-3B27	20	56	85	55	2,85
28	113,43	TL-08B-3B28	20	60	90	55	3,16
29	117,46	TL-08B-3B29	20	62	95	55	3,34
30	121,50	TL-08B-3B30	20	64	100	55	3,48
35	141,68	TL-08B-3B35	20	73	110	55	4,79
36	145,72	TL-08B-3B36	25	80	120	55	5,43
38	153,79	TL-08B-3B38	25	80	120	60	6,49
42	169,94	TL-08B-3B42	25	80	120	60	7,17
45	182,06	TL-08B-3B45	25	80	120	60	7,69
48	194,18	TL-08B-3B48	25	80	120	60	8,20
52	210,34	TL-08B-3B52	25	80	120	60	8,88
54	218,43	TL-08B-3B54	25	80	120	60	9,22
57	230,54	TL-08B-3B57	25	80	120	60	12,62
60	242,66	TL-08B-3B60	25	85	130	65	13,84
68	274,99	TL-08B-3B68	25	85	130	65	15,69
72	291,15	TL-08B-3B72	25	85	130	65	16,61
76	307,32	TL-08B-3B76	30	85	130	65	22,23
84	339,65	TL-08B-3B84	30	85	130	65	24,57
95	384,11	TL-08B-3B95	30	85	130	65	33,11
114	460,91	TL-08B-3B114	30	85	130	65	41,90

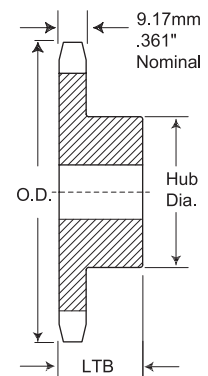
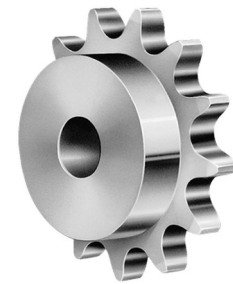


Type B

# NO 10B-1 METRIC 50 5/8" (15,875 mm) PITCH



Type A



Type B

NO TEETH	PITCH DIA.	Type A			Type B			HUB (Inch)		WEIGHT
		REFERENCE	BORE	WEIGHT	REFERENCE	BORE (Inch)		Dia. mm	LTB mm	
	mm		mm	Kgs		Std mm	Max mm			
8	41,48				TL-10B8	12	16	22	25	0,09
9	46,42				TL-10B9	12	19	27	25	0,14
10	51,37				TL-10B10	12	22	32	25	0,23
11	56,35				TL-10B11	12	25	37	25	0,27
12	61,34	TL-10A12	12	0,15	TL-10B12	12	32	43	25	0,32
13	66,33	TL-10A13	12	0,19	TL-10B13	12	33	48	25	0,36
14	71,34	TL-10A14	12	0,23	TL-10B14	12	36	53	25	0,45
15	76,36	TL-10A15	12	0,25	TL-10B15	12	38	57	25	0,59
16	81,37	TL-10A16	12	0,31	TL-10B16	12	44	63	25	0,68
17	86,39	TL-10A17	12	0,35	TL-10B17	12	47	67	25	0,82
18	91,42	TL-10A18	12	0,39	TL-10B18	12	48	73	25	0,91
19	96,45	TL-10A19	16	0,43	TL-10B19	16	51	76	25	1,04
20	101,48	TL-10A20	16	0,48	TL-10B20	16	51	76	25	1,13
21	106,51	TL-10A21	16	0,51	TL-10B21	16	51	76	25	1,18
22	111,55	TL-10A22	16	0,59	TL-10B22	16	51	76	25	1,27
23	116,59	TL-10A23	16	0,65	TL-10B23	16	51	76	25	1,45
24	121,62	TL-10A24	15	0,68	TL-10B24	16	51	76	32	1,50
25	126,66	TL-10A25	15	0,73	TL-10B25	16	51	76	32	1,59
26	131,70	TL-10A26	15	0,78	TL-10B26	16	51	76	32	1,63
27	136,74	TL-10A27	18	0,89	TL-10B27	19	51	76	32	1,68
28	141,79	TL-10A28	18	0,93	TL-10B28	19	51	76	32	1,72
29	146,83	TL-10A29	18	1,07	TL-10B29	19	51	76	32	1,91
30	151,87	TL-10A30	18	1,15	TL-10B30	19	57	82	32	2,04
31	156,92	TL-10A31	18	1,27	TL-10B31	19	57	82	32	2,13
32	161,96	TL-10A32	18	1,23	TL-10B32	19	57	82	32	2,27
33	167,01	TL-10A33	18	1,42	TL-10B33	19	57	82	32	2,33
34	172,05	TL-10A34	18	1,45	TL-10B34	19	57	82	32	2,36
35	177,10	TL-10A35	18	1,51	TL-10B35	19	57	82	32	2,48
36	182,15	TL-10A36	18	1,73	TL-10B36	19	57	82	32	2,56
37	187,19	TL-10A37	18	1,81	TL-10B37	19	57	82	32	2,68
38	192,24	TL-10A38	18	1,88	TL-10B38	19	57	82	32	2,72
39	197,29	TL-10A39	18	2,00	TL-10B39	19	57	82	32	2,86
40	202,33	TL-10A40	18	2,02	TL-10B40	19	57	82	32	2,95
41	207,38	TL-10A41	18	2,20	TL-10B41	19	57	82	32	3,01
42	212,43	TL-10A42	18	2,26	TL-10B42	19	57	82	32	3,16
43	217,48	TL-10A43	18	2,38	TL-10B43	19	57	82	32	3,20
44	222,53	TL-10A44	18	2,46	TL-10B44	19	57	82	32	3,44
45	227,58	TL-10A45	18	2,69	TL-10B45	19	64	95	32	3,73
46	232,63	TL-10A46	18	2,91	TL-10B46	19	64	95	32	3,85
47	237,68	TL-10A47	18	2,95	TL-10B47	19	64	95	32	3,89
48	242,73	TL-10A48	24	2,98	TL-10B48	25	64	95	32	4,18
49	247,78	TL-10A49	24	3,20	TL-10B49	25	64	95	32	4,21
50	252,82	TL-10A50	24	3,22	TL-10B50	25	64	95	32	4,40
51	257,87	TL-10A51	24	3,32	TL-10B51	25	64	95	32	4,48
52	262,92	TL-10A52	24	3,62	TL-10B52	25	64	95	32	4,64
53	267,97	TL-10A53	24	3,67	TL-10B53	25	64	95	32	4,75
54	273,03	TL-10A54	24	3,76	TL-10B54	25	64	95	32	4,86
55	278,08	TL-10A55	24	3,88	TL-10B55	25	64	95	32	4,96
56	283,13	TL-10A56	24	4,04	TL-10B56	25	64	95	32	5,22
57	288,18	TL-10A57	24	4,25	TL-10B57	25	64	95	32	5,27
58	293,23	TL-10A58	24	4,67	TL-10B58	25	64	95	32	5,36
59	298,28	TL-10A59	24	4,76	TL-10B59	25	64	95	32	5,59

NEXT >



# NO 10B-1 METRIC 50 5/8" (15,875 mm) PITCH

## Type A

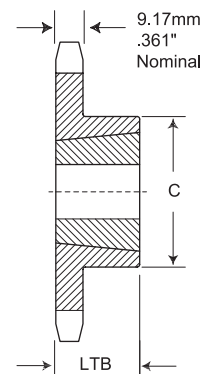
## Type B

NO TEETH	PITCH DIA. mm	REFERENCE	BORE mm	WEIGHT Kgs	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
						Std mm	Max mm	Dia. mm	LTB mm	
60	303,33	TL-10A60	24	4,90	TL-10B60	25	64	95	32	5,90
70	353,84	TL-10A70	24	6,35	TL-10B70	25	64	95	44	8,24
72	363,94	TL-10A72	24	6,91	TL-10B72	25	64	95	44	8,84
76	384,15	TL-10A76	24	9,11	TL-10B76	25	64	95	44	11,03
80	404,36	TL-10A80	24	9,53	TL-10B80	25	70	108	44	11,22
84	424,57	TL-10A84	24	10,02	TL-10B84	25	70	108	44	11,57
95	480,14	TL-10A95	24	12,25	TL-10B95	25	70	108	44	14,57
96	485,19	TL-10A96	24	12,43	TL-10B96	25	70	108	44	14,93
112	566,03	TL-10A112	24	17,10	TL-10B112	25	70	108	44	19,05
114	576,13	TL-10A114	24	17,84	TL-10B114	25	70	108	44	20,61

# NO 10B-1 METRIC 50 5/8" (15,875 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
12	61,34	TL-10BTB12	1008	25,40	22,23	49,20	0,23	0,14
13	66,33	TL-10BTB13	1008	25,40	22,23	46,02	0,23	0,14
14	71,34	TL-10BTB14	1008	25,40	22,23	49,20	0,27	0,14
15	76,35	TL-10BTB15	1210	31,75	25,40	62,69	0,32	0,27
16	81,37	TL-10BTB16	1610	41,28	25,40	70,64	0,41	0,41
17	86,39	TL-10BTB17	1610	41,28	25,40	70,64	0,41	0,41
18	91,42	TL-10BTB18	1610	41,28	25,40	70,64	0,41	0,41
19	96,45	TL-10BTB19	1610	41,28	25,40	76,20	0,64	0,41
20	101,48	TL-10BTB20	1610	41,28	25,40	76,20	0,68	0,41
21	106,51	TL-10BTB21	1610	41,28	25,40	76,20	0,73	0,41
22	111,55	TL-10BTB22	1610	41,28	25,40	76,20	0,78	0,41
23	116,59	TL-10BTB23	2012	50,80	31,75	90,47	0,82	0,77
24	121,62	TL-10BTB24	2012	50,80	31,75	90,47	0,91	0,77
25	126,66	TL-10BTB25	2012	50,80	31,75	90,47	1,09	0,77
26	131,70	TL-10BTB26	2012	50,80	31,75	90,47	1,14	0,77
27	136,74	TL-10BTB27	2012	50,80	31,75	90,47	1,18	0,77
28	141,79	TL-10BTB28	2012	50,80	31,75	90,47	1,29	0,77
30	151,87	TL-10BTB30	2012	50,80	31,75	90,47	1,41	0,77
32	161,96	TL-10BTB32	2012	50,80	31,75	90,47	1,63	0,77
35	177,10	TL-10BTB35	2012	50,80	31,75	90,47	1,91	0,77
36	182,15	TL-10BTB36	2012	50,80	31,75	90,47	1,95	0,77
38	192,24	TL-10BTB38	2012	50,80	31,75	90,47	2,22	0,77
40	202,33	TL-10BTB40	2012	50,80	31,75	90,47	2,36	0,77
42	212,43	TL-10BTB42	2012	50,80	31,75	90,47	2,68	0,77
45	227,58	TL-10BTB45	2012	50,80	31,75	90,47	2,95	0,77
48	242,73	TL-10BTB48	2012	50,80	31,75	90,47	3,31	0,77



Type B

NEXT >

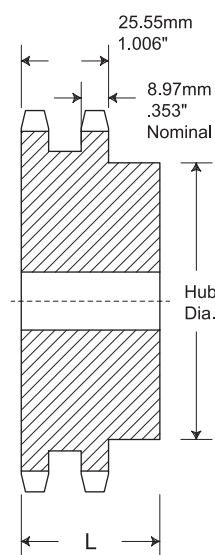
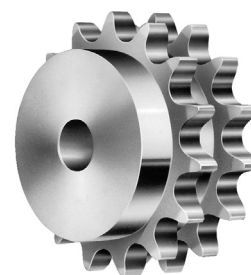
## Taper Bushed

NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm				Max mm	L mm	C mm	Rim Kgs
54	273,03	TL-10BTB54	2012	50,80	31,75	90,47	4,08	0,77
57	288,18	TL-10BTB57	2012	50,80	31,75	90,47	4,59	0,77
60	303,33	TL-10BTB60	2012	50,80	31,75	90,47	4,90	0,77
70	353,84	TL-10BTB70	2517	63,50	44,45	107,95	6,35	1,59
72	363,94	TL-10BTB72	2517	63,50	44,45	107,95	7,03	1,59
76	384,15	TL-10BTB76	2517	63,50	44,45	107,95	8,31	1,59
80	404,36	TL-10BTB80	2517	63,50	44,45	107,95	8,85	1,59
84	424,57	TL-10BTB84	2517	63,50	44,45	107,95	10,21	1,59
95	480,14	TL-10BTB95	2517	63,50	44,45	107,95	12,76	1,59
96	485,19	TL-10BTB96	2517	63,50	44,45	107,95	13,15	1,59
114	576,13	TL-10BTB114	2517	63,50	44,45	107,95	19,61	1,59

## NO 10B-2 METRIC 50-2 5/8" (15,875 mm) PITCH

### Type B

NO TEETH	PITCH DIA.	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
			Std mm	Max mm	Dia. mm	LTB mm	
11	56,35	TL-10B-2B11	14	24	37	40	0,44
12	61,34	TL-10B-2B12	14	28	43	40	0,57
13	66,33	TL-10B-2B13	14	33	48	40	0,71
14	71,34	TL-10B-2B14	14	35	53	40	0,84
15	76,35	TL-10B-2B15	14	38	58	40	1,01
16	81,37	TL-10B-2B16	16	40	63	45	1,19
17	86,39	TL-10B-2B17	16	45	68	45	1,38
18	91,42	TL-10B-2B18	16	48	73	45	1,62
19	96,45	TL-10B-2B19	16	52	79	45	1,77
20	101,48	TL-10B-2B20	16	56	84	45	1,93
21	106,51	TL-10B-2B21	16	56	85	45	2,22
22	111,55	TL-10B-2B22	16	60	90	45	2,53
23	116,59	TL-10B-2B23	16	62	95	45	2,77
24	121,62	TL-10B-2B24	16	64	100	45	2,95
25	126,66	TL-10B-2B25	16	68	105	45	3,15
26	131,70	TL-10B-2B26	20	73	110	45	3,42
27	136,74	TL-10B-2B27	20	73	110	45	3,98
28	141,79	TL-10B-2B28	20	76	115	45	4,20
29	146,83	TL-10B-2B29	20	76	115	45	4,43
30	151,87	TL-10B-2B30	20	80	120	45	4,66
32	161,96	TL-10B-2B32	20	80	120	45	5,16
35	177,10	TL-10B-2B35	20	80	120	45	5,96
36	182,15	TL-10B-2B36	20	80	120	45	6,70
38	192,24	TL-10B-2B38	20	80	120	50	7,67
40	202,33	TL-10B-2B40	30	80	120	50	7,92
45	227,58	TL-10B-2B45	30	80	120	50	9,21



Type B

NEXT >

# NO 10B-2 METRIC 50-2 5/8" (15,875 mm) PITCH

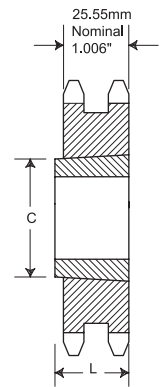
## Type B

NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
48	242,73	TL-10B-2B48	30	80	120	60	10,92
57	288,18	TL-10B-2B57	32	85	130	60	15,07
60	303,33	TL-10B-2B60	32	85	130	60	16,27
70	353,84	TL-10B-2B70	32	85	130	60	21,99
76	384,15	TL-10B-2B76	32	85	130	60	26,31
80	404,36	TL-10B-2B80	32	85	130	60	27,98
95	480,14	TL-10B-2B95	32	85	130	60	32,69
114	576,13	TL-10B-2B114	32	85	130	60	49,30

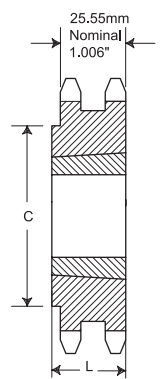
# NO 10B-2 METRIC 50-2 5/8" (15,875 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

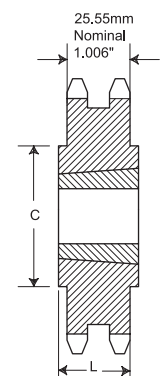
NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
14	71,34	TL-10B-2ATB14	1008	25,40	22,23		0,45	0,14
15	76,35	TL-10B-2ATB15	1210	31,75	25,40		0,48	0,27
16	81,37	TL-10B-2ATB16	1210	31,75	25,40		0,50	0,27
17	86,39	TL-10B-2ATB17	1610	41,28	25,40		0,57	0,41
18	91,42	TL-10B-2ATB18	1610	41,28	25,40		0,64	0,41
19	96,45	TL-10B-2ATB19	1610	41,28	25,40		0,71	0,41
20	101,49	TL-10B-2BTB20	2012	50,80	25,40	84	0,82	0,77
21	106,52	TL-10B-2BTB21	2012	50,80	25,40	89	0,86	0,77
22	111,55	TL-10B-2BTB22	2012	50,80	31,75	99	1,45	0,77
23	116,59	TL-10B-2BTB23	2012	50,80	31,75	109	1,72	0,77
25	126,66	TL-10B-2BTB25	2012	50,80	31,75	134	3,40	0,77
30	151,87	TL-10B-2BTB30	2517	63,50	44,45	107,95	3,92	1,59
36	182,15	TL-10B-2CTB31	2517	63,50	44,45	107,95	4,54	1,59
38	192,24	TL-10B-2CTB38	2517	63,50	44,45	107,95	5,68	1,59
42	212,43	TL-10B-2CTB42	2517	63,50	44,45	107,95	7,95	1,59
48	242,73	TL-10B-2CTB48	2517	63,50	44,45	107,95	11,35	1,59
57	288,18	TL-10B-2CTB57	2517	63,50	44,45	107,95	19,69	1,59
60	303,33	TL-10B-2CTB60	2517	63,50	44,45	107,95	22,47	1,59
68	343,74	TL-10B-2CTB68	2517	63,50	44,45	107,95	25,47	1,59
76	384,15	TL-10B-2CTB76	2517	63,50	44,45	107,95	37,30	1,59
84	424,15	TL-10B-2CTB84	2517	63,50	44,45	107,95	44,72	1,59
95	480,14	TL-10B-2CTB95	2517	63,50	44,45	107,95	52,14	1,59
114	576,13	TL-10B-2CTB114	2517	63,50	44,45	107,95	62,57	1,59



Type A



Type B



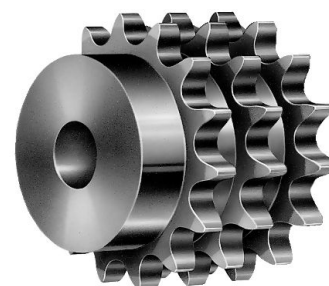
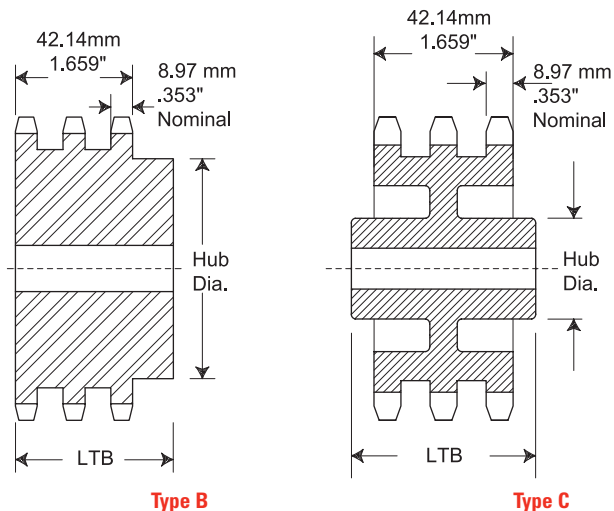
Type C



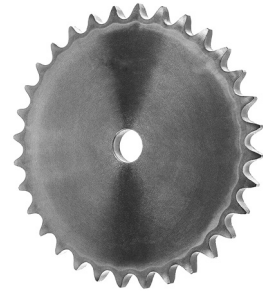
# NO 10B-3 METRIC 50-3 5/8" (15,875 mm) PITCH

## Type B

NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
11	56,35	TL-10B-3B11	16	24	37	55	0,68
12	61,34	TL-10B-3B12	16	29	43	55	0,82
13	66,33	TL-10B-3B13	16	34	48	55	1,05
14	71,34	TL-10B-3B14	16	35	53	55	1,23
15	76,35	TL-10B-3B15	16	38	58	55	1,36
16	81,37	TL-10B-3B16	16	42	63	60	1,55
17	86,39	TL-10B-3B17	16	45	68	60	1,81
18	91,42	TL-10B-3B18	16	48	73	60	2,09
19	96,45	TL-10B-3B19	16	52	79	60	2,40
20	101,48	TL-10B-3B20	16	56	84	60	2,72
21	106,51	TL-10B-3B21	20	56	85	60	3,04
22	111,55	TL-10B-3B22	20	60	90	60	3,36
23	116,59	TL-10B-3B23	20	62	95	60	3,67
24	121,62	TL-10B-3B24	20	64	100	60	4,00
25	126,66	TL-10B-3B25	20	68	105	60	4,31
26	131,70	TL-10B-3B26	20	73	110	60	5,18
27	136,74	TL-10B-3B27	20	73	110	60	5,63
28	141,79	TL-10B-3B28	20	76	115	60	6,04
29	146,83	TL-10B-3B29	20	76	115	60	6,22
30	151,87	TL-10B-3B30	20	80	120	60	6,36
32	161,96	TL-10B-3B32	20	80	120	60	7,26
35	177,10	TL-10B-3B35	20	80	120	60	8,60
36	182,15	TL-10B-3B36	25	80	120	60	9,34
38	192,24	TL-10B-3B38	25	80	120	60	11,03
45	227,58	TL-10B-3B45	30	80	120	75	14,94
48	242,73	TL-10B-3B48	30	80	120	75	16,62
57	288,18	TL-10B-3B57	32	80	120	75	21,77
60	303,33	TL-10B-3B60	32	80	120	75	22,22
76	384,15	TL-10B-3C76	32	80	120	89	23,13
80	404,36	TL-10B-3C80	32	80	120	89	25,14
95	480,14	TL-10B-3C95	32	80	120	95	32,66
114	576,13	TL-10B-3C114	32	80	120	95	44,76



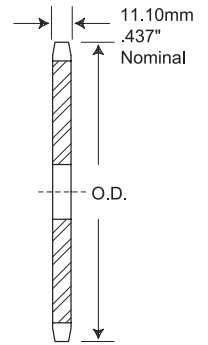
# NO 12B-1 METRIC 60 3/4" (19,050 mm) PITCH



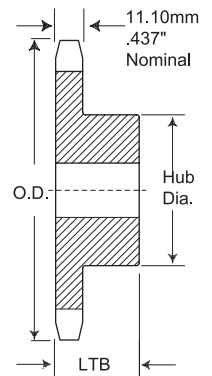
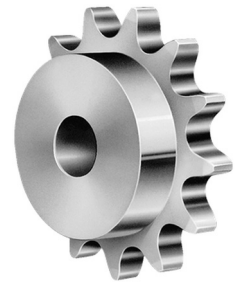
## Type A

## Type B

NO TEETH	PITCH DIA.	REFERENCE	BORE	WEIGHT	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
						Std mm	Max mm	Dia. mm	LTB mm	
11	67,62	TL-12A11	14	0,36	TL-12B11	12	32	47	35	0,53
12	73,60	TL-12A12	14	0,42	TL-12B12	12	35	53	35	0,67
13	79,60	TL-12A13	14	0,48	TL-12B13	12	38	59	35	0,75
14	85,61	TL-12A14	14	0,54	TL-12B14	12	42	64	35	0,91
15	91,63	TL-12A15	14	0,60	TL-12B15	12	45	70	35	1,14
16	97,65	TL-12A16	14	0,68	TL-12B16	16	50	75	35	1,27
17	103,67	TL-12A17	14	0,77	TL-12B17	16	52	80	35	1,46
18	109,71	TL-12A18	14	0,85	TL-12B18	16	52	80	35	1,69
19	115,74	TL-12A19	14	0,95	TL-12B19	16	60	90	35	1,69
20	121,78	TL-12A20	14	1,08	TL-12B20	16	64	90	35	1,78
21	127,82	TL-12A21	16	1,15	TL-12B21	20	64	100	40	2,10
22	133,86	TL-12A22	16	1,24	TL-12B22	20	64	100	40	2,27
23	139,90	TL-12A23	16	1,33	TL-12B23	20	67	100	40	2,49
24	145,95	TL-12A24	19	1,47	TL-12B24	20	67	100	40	2,62
25	151,99	TL-12A25	19	1,63	TL-12B25	20	67	100	40	2,78
26	158,04	TL-12A26	19	1,72	TL-12B26	20	67	100	40	2,89
27	164,09	TL-12A27	19	1,91	TL-12B27	20	67	100	40	3,05
28	170,14	TL-12A28	19	1,99	TL-12B28	20	67	100	40	3,12
29	176,19	TL-12A29	19	2,44	TL-12B29	20	67	100	40	3,30
30	182,25	TL-12A30	19	2,28	TL-12B30	20	67	100	40	3,44
31	188,30	TL-12A31	19	2,49	TL-12B31	20	67	100	40	3,50
32	194,35	TL-12A32	19	2,62	TL-12B32	20	67	100	40	3,75
33	200,41	TL-12A33	19	2,77	TL-12B33	20	67	100	40	3,82
34	206,46	TL-12A34	19	2,91	TL-12B34	20	67	100	40	3,99
35	212,52	TL-12A35	19	3,19	TL-12B35	20	67	100	40	4,10
36	218,57	TL-12A36	19	3,21	TL-12B36	20	67	100	40	4,35
37	224,63	TL-12A37	19	3,52	TL-12B37	20	67	100	40	4,64
38	230,69	TL-12A38	24	3,67	TL-12B38	25	70	107	40	4,92
39	236,74	TL-12A39	24	3,87	TL-12B39	25	70	107	40	5,15
40	242,80	TL-12A40	24	4,00	TL-12B40	25	70	107	40	5,22
41	248,86	TL-12A41	24	4,24	TL-12B41	25	70	107	40	5,51
42	254,92	TL-12A42	24	4,53	TL-12B42	25	70	107	40	5,78
43	260,98	TL-12A43	24	4,58	TL-12B43	25	70	107	40	5,90
44	267,03	TL-12A44	25	4,99	TL-12B44	25	70	107	40	6,30
45	273,09	TL-12A45	25	5,14	TL-12B45	25	70	107	40	6,34
46	279,15	TL-12A46	25	5,33	TL-12B46	25	70	107	40	6,62
47	285,21	TL-12A47	25	5,70	TL-12B47	25	70	107	40	6,80
48	291,27	TL-12A48	25	5,75	TL-12B48	25	70	107	40	7,18
50	303,39	TL-12A50	25	6,45	TL-12B50	25	70	107	40	8,01
54	327,63	TL-12A54	32	7,33	TL-12B54	32	70	110	45	9,80
57	345,81	TL-12A57	32	8,11	TL-12B57	32	70	110	45	10,10
60	363,99	TL-12A60	32	9,19	TL-12B60	32	70	110	45	11,44
65	394,30	TL-12A65	32	10,65	TL-12B65	32	70	110	45	13,12
70	424,61	TL-12A70	32	12,45	TL-12B70	32	70	110	45	14,51
72	436,73	TL-12A72	32	13,22	TL-12B72	32	80	120	50	15,50
76	460,98	TL-12A76	32	14,78	TL-12B76	32	80	120	50	17,26
80	485,23	TL-12A80	32	20,75	TL-12B80	32	80	120	50	19,00
84	509,48	TL-12A84	32	21,78	TL-12B84	32	80	120	50	21,07
95	576,17	TL-12A95	32	23,46	TL-12B95	32	92	140	55	23,83
96	582,23	TL-12A96	32	23,71	TL-12B96	32	92	140	55	26,61
114	691,36	TL-12A114	32	28,16	TL-12B114	32	92	140	55	33,98



Type A

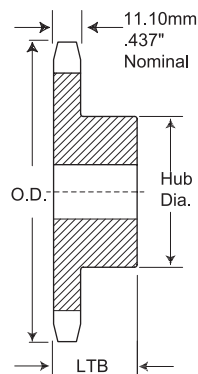


Type B

# NO 12B-1 METRIC 60 3/4" (19,050 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

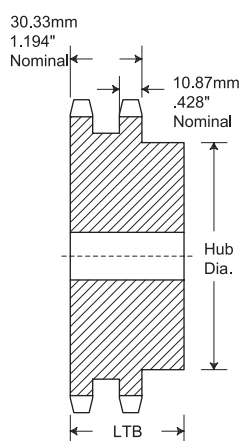
NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm				Max mm	L mm	C mm	Rim Kgs
11	67,62	TL-12BTB11	1008	25,40	22,23	46,04	0,27	0,14
12	73,61	TL-12BTB12	1008	25,40	22,23	49,21	0,36	0,14
13	79,60	TL-12BTB13	1210	31,75	25,40	62,69	0,41	0,27
14	85,61	TL-12BTB14	1210	31,75	25,40	62,69	0,45	0,27
15	91,63	TL-12BTB15	1610	41,28	25,40	70,64	0,54	0,41
16	97,65	TL-12BTB16	1610	41,28	25,40	76,20	0,73	0,41
17	103,67	TL-12BTB17	1610	41,28	25,40	82,55	0,82	0,41
18	109,70	TL-12BTB18	1610	41,28	25,40	82,55	0,91	0,41
19	115,74	TL-12BTB19	1610	41,28	25,40	82,55	1,00	0,41
20	121,78	TL-12BTB20	2012	50,80	31,75	90,47	1,00	0,77
21	127,82	TL-12BTB21	2012	50,80	31,75	90,47	1,18	0,77
22	133,86	TL-12BTB22	2012	50,80	31,75	90,47	1,27	0,77
23	139,90	TL-12BTB23	2012	50,80	31,75	90,47	1,27	0,77
24	145,95	TL-12BTB24	2012	50,80	31,75	90,47	1,50	0,77
25	151,99	TL-12BTB25	2012	50,80	31,75	90,47	1,74	0,77
26	158,04	TL-12BTB26	2012	50,80	31,75	90,47	1,74	0,77
27	164,09	TL-12BTB27	2012	50,80	31,75	90,47	1,80	0,77
28	170,14	TL-12BTB28	2012	50,80	31,75	90,47	2,04	0,77
30	182,25	TL-12BTB30	2012	50,80	31,75	90,47	2,32	0,77
32	194,35	TL-12BTB32	2012	50,80	31,75	90,47	2,48	0,77
35	212,52	TL-12BTB35	2012	50,80	31,75	90,47	2,71	0,77
36	218,57	TL-12BTB36	2012	50,80	31,75	90,47	2,78	0,77
38	230,69	TL-12BTB38	2012	50,80	31,75	90,47	3,36	0,77
40	242,80	TL-12BTB40	2012	50,80	31,75	90,47	3,53	0,77
42	254,92	TL-12BTB42	2012	50,80	31,75	90,47	3,71	0,77
45	273,09	TL-12BTB45	2012	50,80	31,75	90,47	3,98	0,77
48	291,27	TL-12BTB48	2012	50,80	31,75	90,47	4,24	0,77
54	327,63	TL-12BTB54	2517	63,50	44,45	107,95	8,30	1,59
57	345,81	TL-12BTB57	2517	63,50	44,45	107,95	8,76	1,59
60	363,99	TL-12BTB60	2517	63,50	44,45	107,95	9,22	1,59
68	412,49	TL-12BTB68	2517	63,50	44,45	107,95	10,45	1,59
70	424,61	TL-12BTB70	2517	63,50	44,45	107,95	10,76	1,59
72	436,73	TL-12BTB72	2517	63,50	44,45	107,95	11,06	1,59
76	460,98	TL-12BTB76	2517	63,50	44,45	107,95	11,68	1,59
84	509,48	TL-12BTB84	2517	63,50	44,45	107,95	12,91	1,59
95	576,17	TL-12BTB95	2517	63,50	44,45	107,95	14,60	1,59
96	582,23	TL-12BTB96	2517	63,50	44,45	107,95	14,75	1,59
114	691,36	TL-12BTB114	2517	63,50	44,45	107,95	17,52	1,59



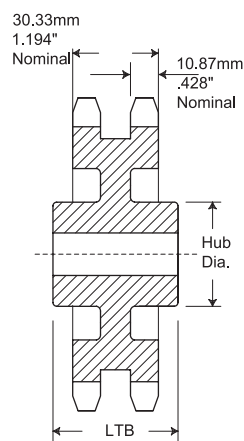
# NO 12B-2 METRIC 60-2 3/4" (19,050 mm) PITCH

## Type B, C

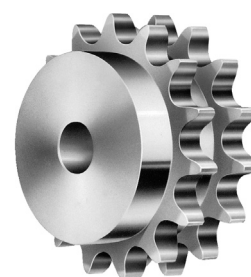
NO TEETH	PITCH DIA.	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
			Std mm	Max mm	Dia. mm	LTB mm	
11	67,62	TL-12B-2B11	16	32	47	50	1,00
12	73,60	TL-12B-2B12	16	36	53	50	1,23
13	79,60	TL-12B-2B13	16	38	59	50	1,41
14	85,61	TL-12B-2B14	16	42	65	50	1,68
15	91,63	TL-12B-2B15	16	45	71	50	1,95
16	97,65	TL-12B-2B16	20	51	77	50	2,27
17	103,67	TL-12B-2B17	20	54	83	50	2,63
18	109,70	TL-12B-2B18	20	60	89	50	3,18
19	115,74	TL-12B-2B19	20	62	95	50	3,50
20	121,78	TL-12B-2B20	20	64	100	50	3,72
21	127,82	TL-12B-2B21	20	64	100	50	4,31
22	133,86	TL-12B-2B22	20	64	100	50	4,77
23	139,90	TL-12B-2B23	20	73	110	50	4,99
24	145,95	TL-12B-2B24	20	73	110	50	5,45
25	151,99	TL-12B-2B25	20	80	120	50	5,67
26	158,04	TL-12B-2B26	20	80	120	50	6,13
27	164,09	TL-12B-2B27	20	80	120	50	6,49
28	170,14	TL-12B-2B28	20	80	120	50	6,81
29	176,19	TL-12B-2B29	20	80	120	50	7,13
30	182,25	TL-12B-2B30	20	80	120	50	7,49
32	194,35	TL-12B-2B32	20	85	130	50	9,31
35	212,52	TL-12B-2B35	20	85	130	50	10,18
36	218,57	TL-12B-2B36	25	85	130	50	12,31
38	230,69	TL-12B-2B38	25	85	130	50	12,99
40	242,80	TL-12B-2B40	25	85	130	50	13,67
45	273,09	TL-12B-2B45	25	85	130	50	15,38
48	291,27	TL-12B-2B48	25	85	130	50	16,41
57	345,81	TL-12B-2B57	32	85	130	65	25,34
60	363,99	TL-12B-2B60	32	85	130	65	26,67
68	412,49	TL-12B-2C68	32	85	130	75	30,48
76	460,98	TL-12B-2C76	40	85	130	75	25,63
80	485,23	TL-12B-2C80	40	85	130	75	26,98
95	576,17	TL-12B-2C95	40	93	140	85	39,24
96	582,23	TL-12B-2C96	40	93	140	85	39,65
114	691,36	TL-12B-2C114	40	93	140	85	41,86



Type B



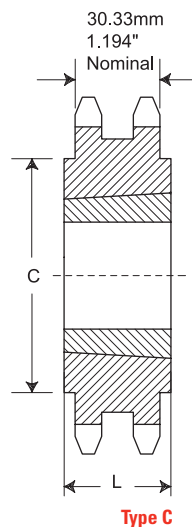
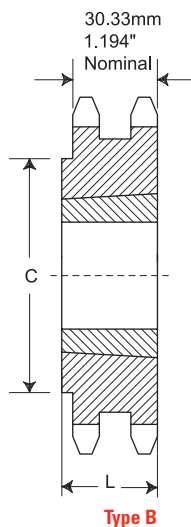
Type C



# NO 12B-2 METRIC 60-2 3/4" (19,050 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

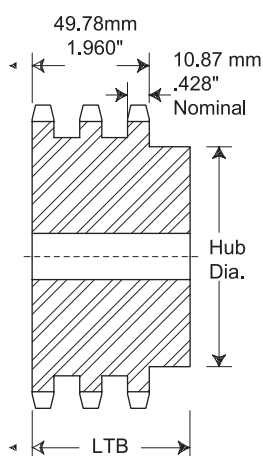
NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm			Max mm	L mm	C mm	Rim Kgs	Bushing Kgs
12	73,60	TL-12B-2BTB12	1215	31,75	38,10	53,54	0,61	0,73
13	79,60	TL-12B-2BTB13	1215	31,75	38,10	59,74	0,66	0,77
14	85,61	TL-12B-2BTB14	1215	31,75	38,10	65,91	0,84	0,82
15	91,63	TL-12B-2BTB15	1615	41,28	38,10	72,09	0,7	0,77
16	97,65	TL-12B-2BTB16	1615	41,28	38,10	76,20	1,11	0,77
17	103,67	TL-12B-2BTB17	1615	41,28	38,10	82,93	1,25	0,77
18	109,70	TL-12B-2BTB18	2012	50,80	31,75	90,50	1,56	0,77
19	115,74	TL-12B-2BTB19	2012	50,80	31,75	96,60	1,81	0,77
20	121,78	TL-12B-2BTB20	2517	63,50	44,45	102,00	2,04	1,59
21	127,82	TL-12B-2BTB21	2517	63,50	44,45	107,95	2,50	1,59
22	133,86	TL-12B-2BTB22	2517	63,50	44,45	107,95	2,78	1,59
23	139,90	TL-12B-2BTB23	2517	63,50	44,45	107,95	3,07	1,59
24	145,95	TL-12B-2BTB24	2517	63,50	44,45	107,95	3,35	1,59
25	151,99	TL-12B-2BTB25	2517	63,50	44,45	107,95	3,63	1,59
26	158,04	TL-12B-2BTB26	2517	63,50	44,45	107,95	3,91	1,59
27	164,09	TL-12B-2BTB27	2517	63,50	44,45	107,95	4,20	1,59
28	170,14	TL-12B-2BTB28	2517	63,50	44,45	107,95	4,48	1,59
30	182,25	TL-12B-2BTB30	2517	63,50	44,45	107,95	5,04	1,59
32	194,35	TL-12B-2BTB32	2517	63,50	44,45	107,95	5,61	1,59
35	212,52	TL-12B-2BTB35	2517	63,50	44,45	107,95	6,46	1,59
38	230,69	TL-12B-2CTB38	2517	63,50	44,45	107,95	8,40	1,59
40	242,80	TL-12B-2CTB40	2517	63,50	44,45	107,95	9,56	1,59
42	254,92	TL-12B-2CTB42	2517	63,50	44,45	107,95	10,73	1,59
45	273,09	TL-12B-2CTB45	2517	63,50	44,45	107,95	12,48	1,59
48	291,27	TL-12B-2CTB48	2517	63,50	44,45	107,95	14,23	1,59
54	327,63	TL-12B-2CTB54	2517	63,50	44,45	107,95	17,73	1,59
57	345,81	TL-12B-2CTB57	2517	63,50	44,45	107,95	19,48	1,59
60	363,99	TL-12B-2CTB60	2517	63,50	44,45	107,95	21,23	1,59
65	394,30	TL-12B-2CTB65	2517	63,50	44,45	107,95	24,15	1,59
70	424,61	TL-12B-2CTB70	2517	63,50	44,45	107,95	27,06	1,59
75	454,92	TL-12B-2CTB75	3020	76,20	50,80	133,35	19,27	2,95
76	460,98	TL-12B-2CTB76	3020	76,20	50,80	133,35	19,52	2,95
84	509,48	TL-12B-2CTB84	3020	76,20	50,80	133,35	21,58	2,95
95	576,17	TL-12B-2CTB95	3020	76,20	50,80	133,35	24,40	2,95
96	582,23	TL-12B-2CTB96	3020	76,20	50,80	133,35	24,66	2,95
114	691,36	TL-12B-2CTB114	3020	76,20	50,80	133,35	29,28	2,95



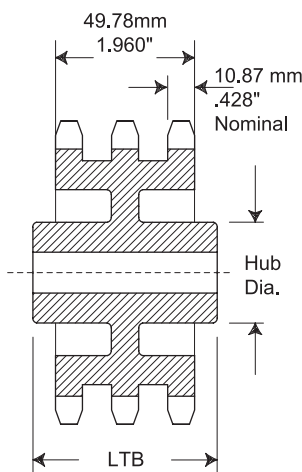
# NO 12B-3 METRIC 60-3 3/4" (19,050 mm) PITCH

## Type B, C

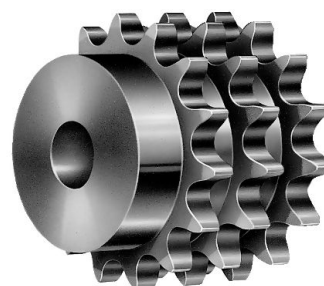
NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
11	67,62	TL-12B-3B11	20	32	47	70	1,13
12	73,60	TL-12B-3B12	20	36	53	70	1,50
13	79,60	TL-12B-3B13	20	38	59	70	1,77
14	85,61	TL-12B-3B14	20	42	65	70	2,04
15	91,63	TL-12B-3B15	20	45	71	70	2,45
16	97,65	TL-12B-3B16	20	51	77	70	2,95
17	103,67	TL-12B-3B17	20	54	83	70	3,49
18	109,70	TL-12B-3B18	20	60	89	70	3,86
19	115,74	TL-12B-3B19	20	62	95	70	4,54
20	121,78	TL-12B-3B20	20	64	100	70	5,08
21	127,82	TL-12B-3B21	20	64	100	70	5,67
22	133,86	TL-12B-3B22	20	64	100	70	5,99
23	139,90	TL-12B-3B23	20	73	110	70	6,62
24	145,95	TL-12B-3B24	20	73	110	70	7,17
25	151,99	TL-12B-3B25	20	80	120	70	7,71
26	158,04	TL-12B-3B26	20	80	120	70	8,44
27	164,09	TL-12B-3B27	20	80	120	70	8,99
28	170,14	TL-12B-3B28	20	80	120	70	9,49
29	176,19	TL-12B-3B29	20	80	120	70	9,99
30	182,25	TL-12B-3B30	20	80	120	70	10,53
35	212,52	TL-12B-3B35	25	85	130	70	18,95
36	218,57	TL-12B-3B36	25	85	130	70	19,49
38	230,69	TL-12B-3B38	25	85	130	70	20,57
45	273,10	TL-12B-3B45	25	85	130	70	24,36
48	291,27	TL-12B-3B48	25	85	130	70	25,98
57	245,81	TL-12B-3C57	32	82	130	85	33,73
60	363,99	TL-12B-3C60	32	82	130	85	35,51
68	412,49	TL-12B-3C68	32	82	130	85	40,24
76	460,98	TL-12B-3C76	40	95	140	85	37,19
80	485,23	TL-12B-3C80	40	95	140	85	39,15
95	576,17	TL-12B-3C95	40	95	140	100	47,63



Type B



Type C

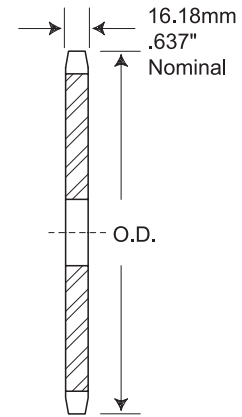


# NO 16B-1 METRIC 80 1" (25,400 mm) PITCH

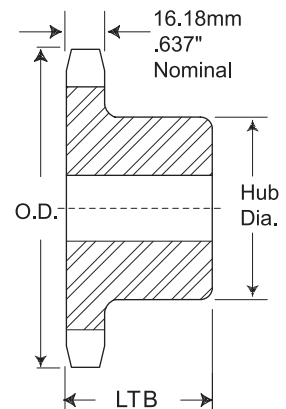
## Type A

## Type B, C

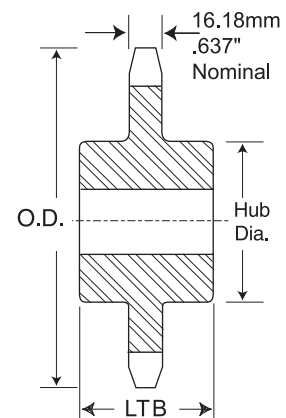
NO TEETH	PITCH DIA.	REFERENCE	BORE	WEIGHT	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
						Std mm	Max mm	Dia. mm	LTB mm	
11	90,16	TL-16A11	14	0,82	TL-16B11	16	41	63	40	1,45
12	98,14	TL-16A12	14	0,91	TL-16B12	16	47	72	40	1,82
13	106,14	TL-16A13	14	1,04	TL-16B13	16	52	79	40	1,82
14	114,15	TL-16A14	14	1,22	TL-16B14	16	60	88	40	2,09
15	122,17	TL-16A15	14	1,36	TL-16B15	16	62	96	40	2,59
16	130,20	TL-16A16	14	1,54	TL-16B16	20	67	100	45	3,00
17	138,23	TL-16A17	14	1,81	TL-16B17	25	67	102	45	3,18
18	146,27	TL-16A18	24	2,00	TL-16B18	25	70	108	45	3,77
19	154,32	TL-16A19	24	2,13	TL-16B19	25	70	108	45	3,86
20	162,37	TL-16A20	24	2,49	TL-16B20	25	70	108	45	4,09
21	170,42	TL-16A21	24	2,63	TL-16B21	25	70	108	50	4,54
22	178,48	TL-16A22	24	2,82	TL-16B22	25	70	108	50	4,99
23	186,56	TL-16A23	24	3,04	TL-16B23	25	70	108	50	5,08
24	194,60	TL-16A24	24	3,45	TL-16B24	25	70	108	50	5,54
25	202,66	TL-16A25	24	3,63	TL-16B25	25	70	108	50	5,76
26	210,72	TL-16A26	30	3,90	TL-16B26	32	80	120	50	7,03
27	218,79	TL-16A27	30	4,31	TL-16B27	32	80	120	50	7,53
28	226,86	TL-16A28	30	4,58	TL-16B28	32	80	120	50	7,58
29	234,93	TL-16A29	30	4,81	TL-16B29	32	80	120	50	7,94
30	243,00	TL-16A30	32	5,22	TL-16B30	32	80	120	50	8,26
31	251,07	TL-16A31	32	5,56	TL-16B31	32	80	120	50	8,62
32	259,14	TL-16A32	32	5,90	TL-16B32	32	80	120	50	8,98
33	267,21	TL-16A33	32	6,24	TL-16B33	32	80	120	50	9,33
34	275,28	TL-16A34	32	6,58	TL-16B34	32	80	120	50	9,69
35	283,36	TL-16A35	32	6,92	TL-16B35	32	80	120	50	10,05
36	291,43	TL-16A36	32	7,26	TL-16B36	32	80	120	50	10,41
37	299,51	TL-16A37	32	7,60	TL-16B37	32	80	120	50	10,76
38	307,58	TL-16A38	32	7,94	TL-16B38	32	80	120	50	11,12
39	315,66	TL-16A39	32	8,48	TL-16B39	32	80	120	50	11,48
40	323,74	TL-16A40	32	9,01	TL-16B40	32	80	120	50	11,83
41	331,81	TL-16A41	32	9,55	TL-16B41	32	80	120	50	12,19
42	339,89	TL-16A42	32	10,09	TL-16B42	32	80	120	50	12,55
43	347,97	TL-16A43	32	10,62	TL-16B43	32	80	120	50	12,91
44	356,05	TL-16A44	32	11,16	TL-16B44	32	80	120	50	13,27
45	364,12	TL-16A45	32	11,70	TL-16B45	32	80	120	50	13,62
46	372,20	TL-16A46	32	12,23	TL-16B46	32	80	120	50	13,98
47	380,28	TL-16A47	32	12,77	TL-16B47	32	80	120	50	14,34
48	388,36	TL-16A48	32	12,31	TL-16B48	32	80	120	50	14,70
49	396,44	TL-16A49	32	13,85	TL-16B49	32	80	120	50	15,05
50	404,52	TL-16A50	32	14,38	TL-16B50	32	80	120	50	15,41
54	436,84	TL-16A54	32	16,53	TL-16B54	32	85	130	50	20,99
57	461,08	TL-16A57	32	18,14	TL-16B57	32	85	130	50	22,16
60	485,33	TL-16A60	32	19,75	TL-16B60	32	85	130	50	23,33
65	525,73	TL-16A65	32	22,43	TL-16B65	32	85	130	50	25,27
70	566,15	TL-16A70	40	25,47	TL-16C70	40	108	159	90	33,59
72	582,31	TL-16A72	40	27,94	TL-16C72	40	108	159	90	35,48
76	614,64	TL-16A76	40	32,89	TL-16C76	40	108	159	90	39,24
80	646,97	TL-16A80	40	37,84	TL-16C80	40	108	159	90	43,00
84	679,30	TL-16A84	40	42,78	TL-16C84	40	108	159	90	46,77
90	727,80	TL-16A90	40	50,21	TL-16C90	40	108	159	90	52,41
95	768,22	TL-16A95	40	56,39	TL-16C95	40	108	159	90	57,12
96	766,31	TL-16A96	40	57,63	TL-16C96	40	108	159	90	58,06
114	921,81	TL-16A114	40	76,36	TL-16C114	40	108	159	90	75,00



Type A



Type B

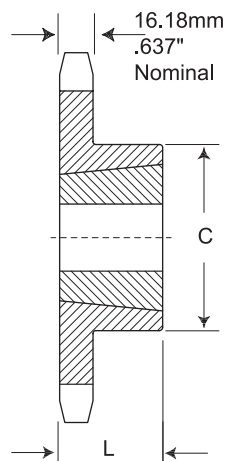


Type C

# NO 16B-1 METRIC 80 1" (25,400 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
10	82,20	TL-16BTB10	1215	31,75	38,10	62,69	0,73	0,36
11	90,16	TL-16BTB11	1215	31,75	38,10	62,69	0,91	0,36
12	98,14	TL-16BTB12	1615	41,28	38,10	76,20	1,04	0,54
13	106,14	TL-16BTB13	1615	41,28	38,10	76,20	1,27	0,54
14	114,15	TL-16BTB14	1615	41,28	38,10	82,55	1,36	0,54
15	122,17	TL-16BTB15	1615	41,28	38,10	82,55	1,45	0,54
16	130,20	TL-16BTB16	2012	50,80	31,75	90,47	1,55	0,77
17	138,23	TL-16BTB17	2012	50,80	31,75	90,47	1,69	0,77
18	146,27	TL-16BTB18	2012	50,80	31,75	90,47	1,46	0,77
19	154,32	TL-16BTB19	2012	50,80	31,75	90,47	2,14	0,77
20	162,37	TL-16BTB20	2517	63,50	44,45	107,95	2,72	1,59
21	170,42	TL-16BTB21	2517	63,50	44,45	107,95	2,95	1,59
22	178,48	TL-16BTB22	2517	63,50	44,45	107,95	3,18	1,59
23	186,54	TL-16BTB23	2517	63,50	44,45	107,95	3,40	1,59
24	194,60	TL-16BTB24	2517	63,50	44,45	107,95	3,63	1,59
25	202,66	TL-16BTB25	2517	63,50	44,45	107,95	3,90	1,59
26	210,72	TL-16BTB26	2517	63,50	44,45	107,95	4,22	1,59
27	218,79	TL-16BTB27	2517	63,50	44,45	107,95	4,31	1,59
28	226,86	TL-16BTB28	2517	63,50	44,45	107,95	4,54	1,59
30	243,00	TL-16BTB30	2517	63,50	44,45	107,95	5,44	1,59
32	259,14	TL-16BTB32	2517	63,50	44,45	107,95	5,67	1,59
35	283,36	TL-16BTB35	2517	63,50	44,45	107,95	7,12	1,59
36	291,43	TL-16BTB36	2517	63,50	44,45	107,95	7,94	1,59
38	307,58	TL-16BTB38	2517	63,50	44,45	107,95	8,85	1,59
40	323,74	TL-16BTB40	2517	63,50	44,45	107,95	9,75	1,59
45	364,12	TL-16BTB45	2517	63,50	44,45	107,95	12,25	1,59
48	388,36	TL-16BTB48	2517	63,50	44,45	107,95	13,61	1,59
54	436,84	TL-16BTB54	2517	63,50	44,45	107,95	17,69	1,59
57	461,07	TL-16BTB57	2517	63,50	44,45	107,95	19,16	1,59
60	485,33	TL-16BTB60	2517	63,50	44,45	107,95	20,64	1,59
64	517,65	TL-16BTB64	3020	76,20	50,80	133,35	19,35	2,95
70	566,15	TL-16BTB70	3020	76,20	50,80	133,35	23,95	2,95
76	614,64	TL-16BTB76	3020	76,20	50,80	133,35	28,55	2,95
80	646,97	TL-16BTB80	3020	76,20	50,80	133,35	31,62	2,95
84	679,30	TL-16BTB84	3020	76,20	50,80	133,35	34,68	2,95
95	768,22	TL-16BTB95	3020	76,20	50,80	133,35	41,58	2,95
114	921,81	TL-16BTB114	3020	76,20	50,80	133,35	56,15	2,95



Type B

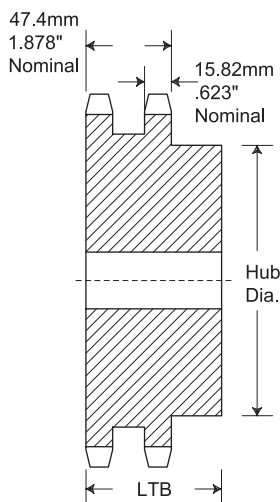




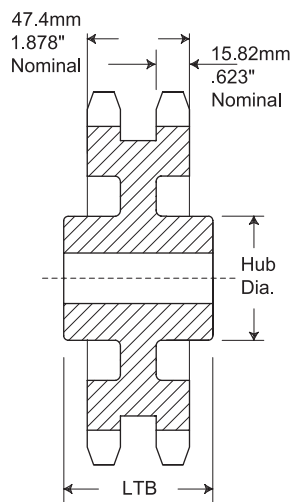
# NO 16B-2 METRIC 80-2 1" (25,400 mm) PITCH

## Type B, C

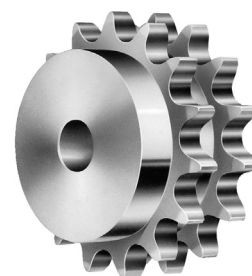
NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
11	90,16	TL-16B-2B11	20	42	63	70	1,82
12	98,14	TL-16B-2B12	20	45	72	70	2,36
13	106,14	TL-16B-2B13	20	52	80	70	2,95
14	114,15	TL-16B-2B14	20	53	88	70	3,50
15	122,17	TL-16B-2B15	20	62	96	70	4,18
16	130,20	TL-16B-2B16	20	66	104	70	5,22
17	138,23	TL-16B-2B17	20	74	112	70	5,99
18	146,27	TL-16B-2B18	20	80	120	70	6,81
19	154,32	TL-16B-2B19	20	84	128	70	7,71
20	162,37	TL-16B-2B20	20	85	130	70	8,26
21	170,42	TL-16B-2B21	25	85	130	70	8,85
22	178,28	TL-16B-2B22	25	85	130	70	9,53
23	186,54	TL-16B-2B23	25	85	130	70	10,43
24	194,60	TL-16B-2B24	25	85	130	70	11,44
25	202,66	TL-16B-2B25	25	85	130	70	12,47
26	210,72	TL-16B-2B26	25	85	130	70	13,62
27	218,79	TL-16B-2B27	25	85	130	70	14,75
28	226,86	TL-16B-2B28	25	85	130	70	15,89
29	234,93	TL-16B-2B29	25	85	130	70	17,02
30	243,00	TL-16B-2B30	25	95	145	75	18,16
32	259,14	TL-16B-2B32	32	95	145	75	19,86
35	283,36	TL-16B-2B35	32	95	145	75	22,27
36	291,43	TL-16B-2B36	32	95	145	80	28,04
38	307,58	TL-16B-2B38	32	95	145	80	29,60
42	339,89	TL-16B-2B42	40	95	145	80	32,20
45	364,12	TL-16B-2C45	40	95	145	95	34,35
57	461,07	TL-16B-2C57	40	95	145	95	38,18
60	485,33	TL-16B-2C60	40	95	145	95	42,77
68	549,98	TL-16B-2C68	40	96	153	102	43,86
76	614,64	TL-16B-2C76	40	96	152	102	68,11
80	646,97	TL-16B-2C80	40	102	152	108	54,88
95	768,22	TL-16B-2C95	40	102	152	108	72,57
114	921,81	TL-16B-2C114	40	102	152	108	78,22



Type B



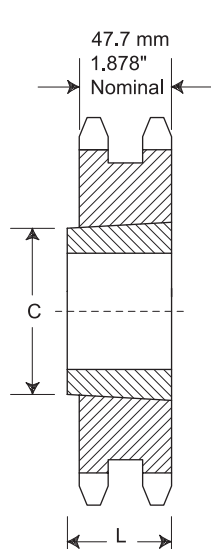
Type C



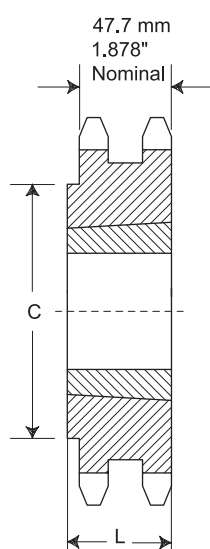
# NO 16B-2 METRIC 80-2 1" (25,400 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

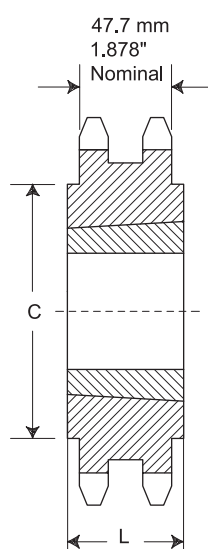
NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
13	106,14	TL-16B-2ATB13	1615	41,28	38,10		1,54	0,77
14	114,15	TL-16B-2ATB14	2012	50,80	31,75		1,68	0,77
15	122,17	TL-16B-2ATB15	2012	50,80	31,75		2,04	0,77
16	130,20	TL-16B-2ATB16	2012	50,80	31,75		2,27	0,77
17	138,23	TL-16B-2ATB17	2517	63,50	44,45		2,50	1,59
18	146,27	TL-16B-2ATB18	2517	63,50	44,45		2,64	1,59
19	154,32	TL-16B-2BTB19	3020	76,20	50,80	127,00	3,18	2,95
20	162,37	TL-16B-2BTB20	3020	76,20	50,80	133,35	3,45	2,95
21	170,42	TL-16B-2BTB21	3020	76,20	50,80	141,28	4,09	2,95
22	178,48	TL-16B-2BTB22	3020	76,20	50,80	149,23	4,73	2,95
23	186,54	TL-16B-2BTB23	3020	76,20	50,80	158,34	5,48	2,95
24	194,60	TL-16B-2BTB24	3020	76,20	50,80	166,68	6,34	2,95
25	202,66	TL-16B-2BTB25	3020	76,20	50,80	174,63	7,72	2,95
26	210,72	TL-16B-2BTB26	3020	76,20	50,80	182,56	8,36	2,95
27	218,79	TL-16B-2BTB27	3020	76,20	50,80	133,35	10,22	2,95
28	226,86	TL-16B-2BTB28	3020	76,20	50,80	133,35	10,59	2,95
30	243,00	TL-16B-2CTB30	3020	76,20	50,80	133,35	11,35	2,95
35	283,36	TL-16B-2CTB35	3020	76,20	50,80	133,35	17,88	2,95
38	307,58	TL-16B-2CTB38	3020	76,20	50,80	133,35	21,79	2,95
42	339,89	TL-16B-2CTB42	3020	76,20	50,80	133,35	22,94	2,95
45	364,12	TL-16B-2CTB45	3020	76,20	50,80	133,35	23,80	2,95
57	461,08	TL-16B-2CTB57	3020	76,20	50,80	133,35	27,24	2,95
76	614,64	TL-16B-2CTB76	3020	76,20	50,80	133,35	37,68	2,95
95	768,22	TL-16B-2CTB95	3020	76,20	50,80	133,35	43,13	2,95
114	921,81	TL-16B-2CTB114	3020	76,20	50,80	133,35	48,58	2,95



Type A



Type B



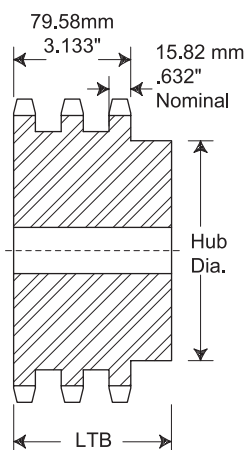
Type C



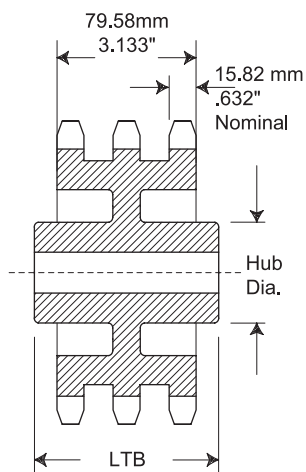
# NO 16B-3 METRIC 80-3 1" (25,400 mm) PITCH

## Type B, C

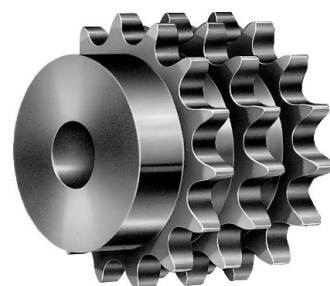
NO TEETH	PITCH DIA.	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
			Std mm	Max mm	Dia. mm	LTB mm	
	mm						Kgs
11	90,16	TL-16B-3B11	25	42	63	100	2,72
12	98,14	TL-16B-3B12	25	45	72	100	3,59
13	106,14	TL-16B-3B13	25	52	80	100	4,13
14	114,15	TL-16B-3B14	25	58	88	100	4,68
15	122,17	TL-16B-3B15	25	62	96	100	5,54
16	130,20	TL-16B-3B16	30	66	104	100	6,81
17	138,23	TL-16B-3B17	30	74	112	100	8,07
18	146,27	TL-16B-3B18	30	80	120	100	9,99
19	154,32	TL-16B-3B19	30	84	128	100	10,89
20	162,37	TL-16B-3B20	30	85	130	100	11,80
21	170,42	TL-16B-3B21	30	85	130	100	13,61
22	178,48	TL-16B-3B22	30	85	130	100	14,07
23	186,54	TL-16B-3B23	30	85	130	100	14,97
24	194,60	TL-16B-3B24	30	85	130	100	16,34
25	202,66	TL-16B-3B25	30	85	130	100	17,70
26	210,72	TL-16B-3B26	30	85	130	100	19,98
27	218,79	TL-16B-3B27	30	85	130	100	21,57
28	226,86	TL-16B-3B28	30	85	130	100	23,15
29	234,93	TL-16B-3B29	30	85	130	100	24,74
30	243,00	TL-16B-3B30	32	95	140	105	26,33
35	283,36	TL-16B-3B35	32	95	140	105	36,06
36	291,43	TL-16B-3B36	32	95	140	105	38,06
38	307,58	TL-16B-3C38	32	97	152	114	41,45
42	339,89	TL-16B-3C42	40	97	152	114	38,51
45	364,12	TL-16B-3C45	40	97	152	114	41,91
57	461,08	TL-16B-3C57	40	107	159	120	51,35
60	485,33	TL-16B-3C60	40	107	159	120	58,06
68	549,98	TL-16B-3C68	40	107	159	120	63,50
76	614,64	TL-16B-3C76	40	107	159	120	77,11
95	768,22	TL-16B-3C95	40	114	171	127	100,70
114	921,81	TL-16B-3C114	40	114	171	127	120,84



Type B



Type C

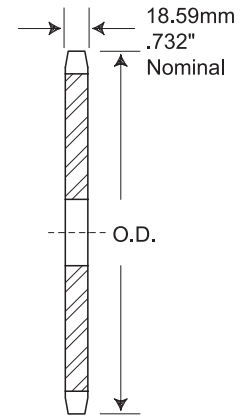


# NO 20B-1 METRIC 100 1 1/4" (31,750 mm) PITCH

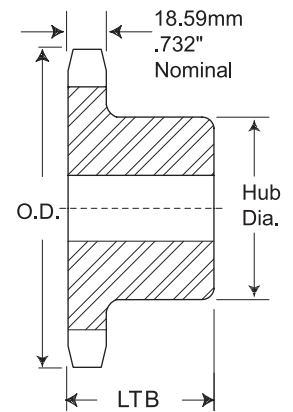
## Type A

## Type B, C

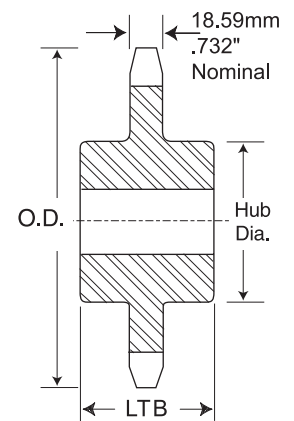
NO TEETH	PITCH DIA. mm	REFERENCE	BORE mm	WEIGHT Kgs	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
						Std mm	Max mm	Dia. mm	LTB mm	
8	82,97	TL-20A8	25	0,63	TL-20B8	25	57	48	48	1,04
9	92,83	TL-20A9	25	0,95	TL-20B9	25	57	58	48	1,45
10	102,75	TL-20A10	25	1,27	TL-20B10	25	60	69	48	1,86
11	112,70	TL-20A11	25	1,59	TL-20B11	25	70	79	48	2,40
12	122,67	TL-20A12	25	1,91	TL-20B12	25	76	90	48	2,95
13	132,67	TL-20A13	25	2,18	TL-20B13	25	76	98	41	3,00
14	142,68	TL-20A14	25	2,49	TL-20B14	25	76	106	41	3,40
15	152,71	TL-20A15	25	2,68	TL-20B15	25	76	114	43	4,31
16	162,75	TL-20A16	24	3,08	TL-20B16	25	76	114	43	4,63
17	172,79	TL-20A17	24	3,54	TL-20B17	32	76	114	43	4,99
18	182,84	TL-20A18	30	3,81	TL-20B18	32	76	114	43	5,44
19	192,90	TL-20A19	30	4,31	TL-20B19	32	76	114	51	5,90
20	202,96	TL-20A20	30	4,58	TL-20B20	32	76	114	51	6,35
21	213,03	TL-20A21	32	5,17	TL-20B21	32	76	114	51	7,03
22	223,10	TL-20A22	32	5,72	TL-20B22	32	76	114	51	7,71
23	233,17	TL-20A23	32	5,99	TL-20B23	32	84	114	51	8,16
24	243,25	TL-20A24	32	6,62	TL-20B24	32	84	114	51	8,62
25	253,32	TL-20A25	32	6,94	TL-20B25	32	84	114	51	9,07
26	263,41	TL-20A26	32	7,62	TL-20B26	32	84	127	51	9,53
27	273,49	TL-20A27	32	8,35	TL-20B27	32	84	127	51	10,43
28	283,57	TL-20A28	32	8,85	TL-20B28	32	84	127	51	11,34
29	293,66	TL-20A29	32	9,43	TL-20B29	32	84	127	51	11,76
30	303,75	TL-20A30	32	9,98	TL-20B30	32	84	127	51	12,02
31	313,83	TL-20A31	32	10,73	TL-20B31	32	84	127	51	12,77
32	323,92	TL-20A32	32	11,49	TL-20B32	32	84	127	51	13,52
33	334,01	TL-20A33	32	12,24	TL-20B33	32	84	127	51	14,59
34	344,10	TL-20A34	32	13,00	TL-20B34	32	84	127	51	15,66
35	354,20	TL-20A35	32	13,75	TL-20B35	32	84	127	64	16,74
36	364,29	TL-20A36	32	14,50	TL-20B36	32	84	127	64	17,51
37	374,28	TL-20A37	32	15,25	TL-20B37	32	84	127	64	18,17
38	384,48	TL-20A38	32	16,01	TL-20B38	32	84	127	64	18,82
39	394,57	TL-20A39	32	16,76	TL-20B39	32	84	127	64	19,78
40	404,67	TL-20A40	32	17,52	TL-20B40	32	84	127	64	21,27
41	414,77	TL-20A41	32	18,27	TL-20B41	32	84	127	64	22,07
42	424,88	TL-20A42	32	19,03	TL-20B42	32	84	127	64	22,86
43	434,96	TL-20A43	32	19,78	TL-20B43	32	84	127	64	23,40
44	445,06	TL-20A44	32	20,53	TL-20B44	32	84	127	64	23,95
45	455,15	TL-20A45	32	21,29	TL-20B45	32	84	127	64	24,49
46	465,25	TL-20A46	32	22,04	TL-20B46	32	84	127	64	26,31
47	475,35	TL-20A47	32	22,79	TL-20B47	32	84	127	64	28,12
48	485,45	TL-20A48	32	23,55	TL-20B48	40	102	152	64	29,94
49	495,55	TL-20A49	32	24,30	TL-20B49	40	102	152	64	31,76
50	505,65	TL-20A50	32	25,06	TL-20B50	40	102	152	64	33,57
51	515,75	TL-20A51	40	24,43	TL-20B51	40	102	152	64	35,39
52	525,85	TL-20A52	40	25,85	TL-20B52	40	102	152	64	37,21
53	535,95	TL-20A53	40	27,27	TL-20B53	40	102	152	64	39,02
54	546,05	TL-20A54	40	25,70	TL-20C54	40	102	152	82	32,90
55	556,15	TL-20A55	40	30,12	TL-20C55	40	102	152	82	34,77
56	566,25	TL-20A56	40	31,34	TL-20C56	40	102	152	82	36,63
57	576,35	TL-20A57	40	32,96	TL-20C57	40	102	152	82	38,50
58	586,45	TL-20A58	40	35,80	TL-20C58	40	102	152	82	40,37
59	596,56	TL-20A59	40	37,22	TL-20C59	40	102	152	82	42,24



Type A



Type B



Type C

NEXT >

**Type A**

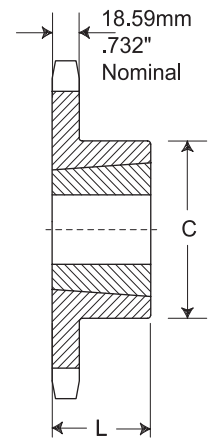
**Type B, C**

NO TEETH	PITCH DIA.	REFERENCE	BORE	WEIGHT	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
	mm					Std mm	Max mm	Dia. mm	LTB mm	
57	606,66	TL-20A60	40	38,64	TL-20C60	40	102	152	82	44,10
60	707,68	TL-20A70	40	52,85	TL-20C70	40	133	178	95	65,36
70	727,89	TL-20A72	40	55,70	TL-20C72	40	133	178	95	67,23
72	768,30	TL-20A76	40	61,38	TL-20C76	40	133	178	95	70,98
76	808,71	TL-20A80	40	67,06	TL-20C80	40	133	178	95	74,70
80	849,13	TL-20A84	40	72,75	TL-20C84	40	133	178	95	78,43
84	909,76	TL-20A90	40	81,27	TL-20C90	40	133	178	95	84,03
90	960,28	TL-20A95	40	102,42	TL-20C95	40	133	178	114	117,18
95	970,38	TL-20A96	40	103,84	TL-20C96	40	133	178	114	117,56
114	1152,27	TL-20A114	40	130,84	TL-20C114	40	133	178	114	124,40

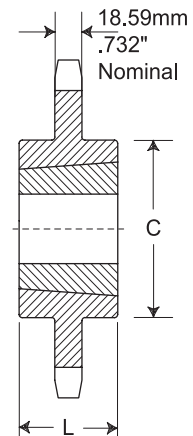
**NO 20B-1 METRIC 100 1 1/4" (31,750 mm) PITCH TYPE TAPER BUSH**

**Taper Bushed**

NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS			WEIGHT	
	mm				Max mm	L mm	C mm	Rim Kgs	Bushing Kgs
11	112,70	TL-20BTB11	1615	41,28	38,10	62,69	1,22	0,54	
12	122,67	TL-20BTB12	1615	41,28	38,10	70,64	1,41	0,54	
13	132,67	TL-20BTB13	2012	50,80	31,75	90,47	1,45	0,77	
14	142,68	TL-20BTB14	2012	50,80	31,75	90,47	1,63	0,77	
15	152,71	TL-20BTB15	2517	63,50	44,45	107,95	2,31	1,59	
16	162,75	TL-20BTB16	2517	63,50	44,45	107,95	2,72	1,59	
17	172,79	TL-20BTB17	2517	63,50	44,45	107,95	3,27	1,59	
18	182,84	TL-20BTB18	2517	63,50	44,45	107,95	3,63	1,59	
19	192,90	TL-20BTB19	2517	63,50	44,45	107,95	4,09	1,59	
20	202,96	TL-20BTB20	2517	63,50	44,45	107,95	4,40	1,59	
21	213,03	TL-20BTB21	2517	63,50	44,45	107,95	4,54	1,59	
22	223,10	TL-20BTB22	2517	63,50	44,45	107,95	4,77	1,59	
23	233,17	TL-20BTB23	2517	63,50	44,45	107,95	5,58	1,59	
24	243,25	TL-20BTB24	2517	63,50	44,45	107,95	6,13	1,59	
25	253,32	TL-20BTB25	2517	63,50	44,45	107,95	6,95	1,59	
26	263,41	TL-20BTB26	2517	63,50	44,45	107,95	7,35	1,59	
28	283,57	TL-20BTB28	3020	76,20	50,80	133,35	7,90	2,95	
30	303,75	TL-20BTB30	3020	76,20	50,80	133,35	9,62	2,95	
32	323,92	TL-20BTB32	3020	76,20	50,80	133,35	11,03	2,95	
35	354,20	TL-20BTB35	3020	76,20	50,80	133,35	13,15	2,95	
36	364,29	TL-20BTB36	3020	76,20	50,80	133,35	13,86	2,95	
38	384,48	TL-20BTB38	3020	76,20	50,80	133,35	15,98	2,95	
40	404,67	TL-20BTB40	3020	76,20	50,80	133,35	19,43	2,95	
45	455,15	TL-20BTB45	3020	76,20	50,80	133,35	25,18	2,95	
48	485,45	TL-20BTB48	3020	76,20	50,80	133,35	28,62	2,95	
54	546,05	TL-20BTB54	3020	76,20	50,80	133,35	35,52	2,95	
57	576,35	TL-20BTB57	3020	76,20	50,80	133,35	37,82	2,95	
60	606,66	TL-20BTB60	3020	76,20	50,80	133,35	41,27	2,95	
70	707,68	TL-20CTB70	3535	88,90	88,90	171,45	51,56	6,35	
72	727,89	TL-20CTB72	3535	88,90	88,90	171,45	53,97	6,35	
76	768,30	TL-20CTB76	3535	88,90	88,90	171,45	60,33	6,35	
80	808,71	TL-20CTB80	3535	88,90	88,90	171,45	66,23	6,35	
84	849,13	TL-20CTB84	3535	88,90	88,90	171,45	73,48	6,35	



**Type B**



**Type C**

NEXT >



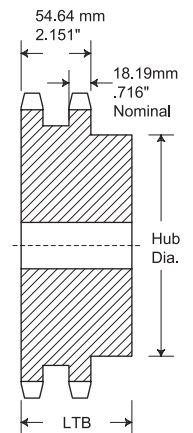
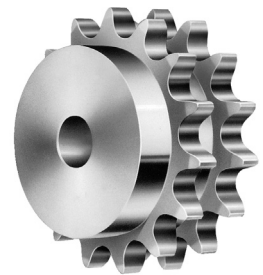
## Taper Bushed

NO TEETH	PITCH DIA. mm	REFERENCE	BUSHING	BORE (Inch) Max mm	DIMENSIONS		WEIGHT	
					L mm	C mm	Rim Kgs	Bushing Kgs
90	909,76	TL-20CTB90	3535	88,90	88,90	171,45	94,33	6,35
95	960,28	TL-20CTB95	3535	88,90	88,90	171,45	96,16	6,35

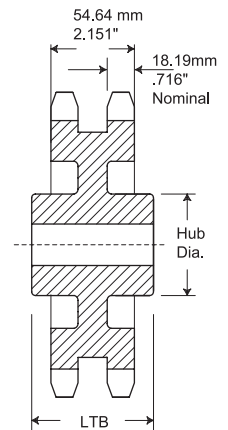
## NO 20B-2 METRIC 100-2 1 1/4" (31,750 mm) PITCH

### Type B, C

NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
10	102,75	TL-20B-2B10	20	45	69	75	2,90
11	112,70	TL-20B-2B11	20	52	79	80	3,67
12	122,67	TL-20B-2B12	20	60	90	80	4,31
13	132,67	TL-20B-2B13	20	64	100	80	5,53
14	142,68	TL-20B-2B14	20	73	110	80	6,62
15	152,71	TL-20B-2B15	20	80	120	80	7,76
16	162,75	TL-20B-2B16	25	80	120	80	9,12
17	172,79	TL-20B-2B17	25	80	120	80	10,44
18	182,84	TL-20B-2B18	25	80	120	80	11,71
19	192,90	TL-20B-2B19	25	80	120	80	12,92
20	202,96	TL-20B-2B20	25	80	120	80	15,43
21	213,03	TL-20B-2B21	25	92	140	80	16,55
22	223,10	TL-20B-2B22	25	92	140	80	17,70
23	233,17	TL-20B-2B23	25	92	140	80	19,05
24	243,25	TL-20B-2B24	32	96	145	80	20,43
25	253,32	TL-20B-2B25	32	96	145	80	21,77
26	263,41	TL-20B-2B26	32	96	145	80	23,15
27	273,49	TL-20B-2B27	32	96	145	80	24,97
28	283,57	TL-20B-2B28	32	96	145	80	26,78
30	303,75	TL-20B-2B30	32	96	145	80	30,41
32	323,92	TL-20B-2B32	32	96	145	80	32,22
35	354,20	TL-20B-2C35	32	100	152	108	34,02
36	364,29	TL-20B-2C36	32	100	152	108	34,70
38	384,48	TL-20B-2C38	32	100	152	114	43,72
42	424,86	TL-20B-2C42	40	100	152	114	43,55
45	455,15	TL-20B-2C45	40	100	152	114	46,72
57	576,35	TL-20B-2C57	40	100	191	127	64,10
60	606,66	TL-20B-2C60	40	125	191	127	79,38
68	687,48	TL-20B-2C68	40	125	191	127	87,74
76	768,30	TL-20B-2C76	40	125	191	127	96,11
80	808,71	TL-20B-2C80	40	125	191	127	100,30
95	960,28	TL-20B-2C95	40	125	191	127	115,98
114	1152,26	TL-20B-2C114	40	125	191	127	135,85



Type B

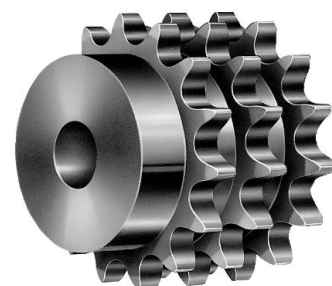
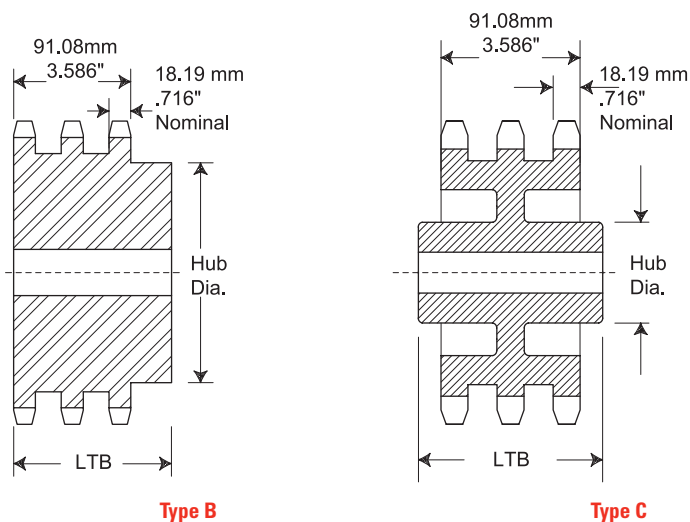


Type C

# NO 20B-3 METRIC 100-3 1 1/4" (31,750 mm) PITCH

## Type B, C

NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
10	102,75	TL-20B-3B10	25	47	69	110	3,95
11	112,70	TL-20B-3B11	25	52	79	115	5,26
12	122,67	TL-20B-3B12	25	60	90	115	6,21
13	132,67	TL-20B-3B13	25	64	100	115	9,26
14	142,68	TL-20B-3B14	25	73	110	115	9,76
15	152,71	TL-20B-3B15	25	80	120	115	10,81
16	162,75	TL-20B-3B16	25	80	120	115	12,76
17	172,79	TL-20B-3B17	25	80	120	115	14,76
18	182,84	TL-20B-3B18	25	80	120	115	16,71
19	192,90	TL-20B-3B19	25	80	120	115	19,13
20	202,96	TL-20B-3B20	25	80	120	115	21,57
21	213,03	TL-20B-3B21	25	92	140	115	23,36
22	223,10	TL-20B-3B22	25	92	140	115	25,65
23	233,17	TL-20B-3B23	25	92	140	115	27,90
24	243,25	TL-20B-3B24	32	95	145	120	27,19
25	253,32	TL-20B-3B25	32	95	145	120	27,90
26	263,41	TL-20B-3B26	32	95	145	120	31,90
27	273,49	TL-20B-3B27	32	95	145	120	35,90
28	283,57	TL-20B-3B28	32	95	145	120	39,90
30	303,75	TL-20B-3B30	32	95	145	120	47,90
32	323,92	TL-20B-3B32	32	95	145	127	51,57
35	354,20	TL-20B-3C35	32	97	152	127	57,29
36	364,29	TL-20B-3C36	32	97	152	127	59,35
38	384,48	TL-20B-3C38	40	97	152	127	62,56
42	424,86	TL-20B-3C42	40	97	152	127	70,12
45	455,15	TL-20B-3C45	40	97	152	127	75,84
57	576,35	TL-20B-3C57	40	102	191	127	100,11
60	606,66	TL-20B-3C60	40	102	191	127	104,86
68	687,48	TL-20B-3C68	40	102	191	127	117,54
76	768,30	TL-20B-3C76	40	102	191	127	130,21
80	808,71	TL-20B-3C80	40	102	191	127	136,55
95	960,28	TL-20B-3C95	40	102	191	127	160,31
114	1152,27	TL-20B-3C114	40	102	191	127	190,41

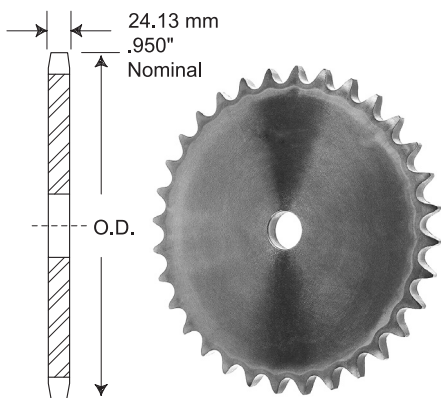


# NO 24B-1 METRIC 120 1 1/2" (38,100 mm) PITCH

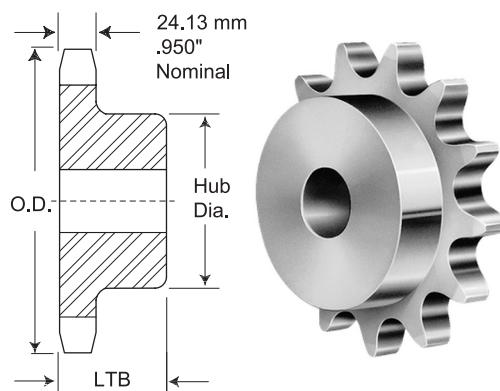
## Type A

## Type B

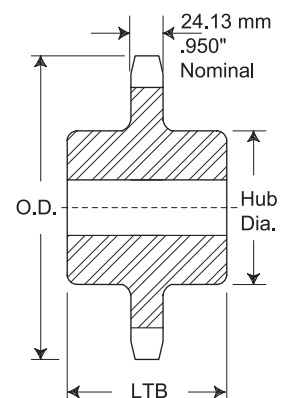
NO TEETH	PITCH DIA. mm	REFERENCE	BORE mm	WEIGHT Kgs	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
						Std mm	Max mm	Dia. mm	LTB mm	
9	111,40	TL-24A9	20	1,69	TL-24B9	20	45	69	45	2,02
10	123,29	TL-24A10	20	1,88	TL-24B10	20	52	80	45	2,61
11	135,23	TL-24A11	20	2,06	TL-24B11	25	60	90	50	3,77
12	147,21	TL-24A12	20	2,68	TL-24B12	25	67	102	50	4,77
13	159,20	TL-24A13	20	3,06	TL-24B13	25	76	114	50	5,91
14	171,22	TL-24A14	32	3,72	TL-24B14	32	86	127	60	6,68
15	183,25	TL-24A15	32	4,31	TL-24B15	32	92	140	60	7,49
16	195,29	TL-24A16	32	4,86	TL-24B16	32	92	140	60	9,08
17	207,35	TL-24A17	32	5,44	TL-24B17	32	92	140	60	9,76
18	219,41	TL-24A18	32	6,13	TL-24B18	32	92	140	60	10,49
19	231,48	TL-24A19	32	7,03	TL-24B19	32	92	140	60	11,21
20	243,55	TL-24A20	32	7,94	TL-24B20	32	92	140	60	12,26
21	255,63	TL-24A21	32	8,62	TL-24B21	32	92	140	60	13,38
22	267,72	TL-24A22	32	9,76	TL-24B22	32	92	140	60	13,67
23	179,80	TL-24A23	32	10,43	TL-24B23	32	92	140	60	14,74
24	291,90	TL-24A24	32	11,35	TL-24B24	32	92	140	60	15,48
25	303,99	TL-24A25	32	12,47	TL-24B25	32	92	140	60	16,38
26	316,09	TL-24A26	40	13,39	TL-24B26	40	102	150	65	19,43
27	328,19	TL-24A27	40	14,53	TL-24B27	40	102	150	65	20,39
28	340,29	TL-24A28	40	15,89	TL-24B28	40	102	150	65	21,34
29	352,39	TL-24A29	40	17,02	TL-24B29	40	102	150	65	22,79
30	364,49	TL-24A30	40	18,39	TL-24B30	40	102	150	65	24,25
31	376,60	TL-24A31	40	20,02	TL-24B31	40	102	150	65	26,19
32	388,71	TL-24A32	40	21,66	TL-24B32	40	102	150	65	28,12
33	400,82	TL-24A33	40	23,29	TL-24B33	40	102	150	65	30,05
34	412,93	TL-24A34	40	24,93	TL-24B34	40	102	150	65	31,99
35	425,04	TL-24A35	40	26,56	TL-24B35	40	102	150	65	33,93
36	437,15	TL-24A36	40	28,19	TL-24B36	40	102	152	65	35,86
38	461,37	TL-24A38	40	31,46	TL-24B38	40	102	152	65	39,73
42	509,83	TL-24A42	40	40,99	TL-24C42	40	102	152	95	45,31
45	546,19	TL-24A45	40	48,14	TL-24C45	40	102	152	95	50,71
48	482,54	TL-24A48	40	55,29	TL-24C48	40	102	152	102	57,43
57	691,62	TL-24A57	40	76,73	TL-24C57	40	133	178	102	76,05
60	727,99	TL-24A60	40	85,19	TL-24C60	40	133	178	102	80,05
76	922,00	TL-24A76	40	116,00	TL-24C76	40	133	191	114	129,62



Type A



Type B



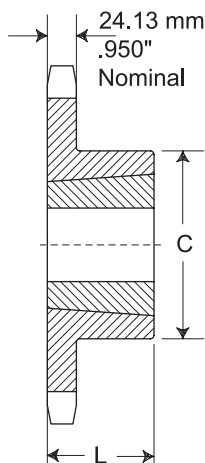
Type C



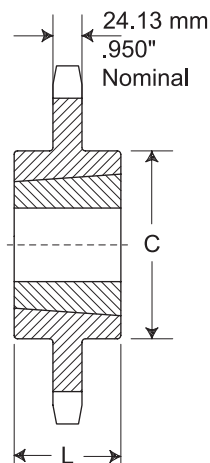
# NO 24B-1 METRIC 120 1 1/2" (38,100 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm				L mm	C mm	Rim Kgs	Bushing Kgs
11	135,23	TL-24BTB11	2012	50,80	31,75	90,49	2,28	0,77
12	147,21	TL-24BTB12	2012	50,80	31,75	90,49	2,49	0,77
13	159,20	TL-24BTB13	2517	63,50	44,45	107,95	2,77	1,59
14	171,22	TL-24BTB14	2517	63,50	44,45	107,95	3,54	1,59
15	183,25	TL-24BTB15	2517	63,50	44,45	107,95	4,31	1,59
16	195,29	TL-24BTB16	3020	76,20	50,80	133,35	4,77	2,95
17	207,35	TL-24BTB17	3020	76,20	50,80	133,35	5,45	2,95
18	219,41	TL-24BTB18	3020	76,20	50,80	133,35	6,13	2,95
19	231,48	TL-24BTB19	3020	76,20	50,80	133,35	6,81	2,95
20	243,55	TL-24BTB20	3020	76,20	50,80	133,35	7,49	2,95
21	255,63	TL-24BTB21	3020	76,20	50,80	133,35	7,94	2,95
22	267,72	TL-24BTB22	3020	76,20	50,80	133,35	8,75	2,95
23	279,80	TL-24BTB23	3020	76,20	50,80	133,35	9,53	2,95
24	291,90	TL-24BTB24	3020	76,20	50,80	133,35	10,67	2,95
25	303,99	TL-24BTB25	3020	76,20	50,80	133,35	11,80	2,95
26	316,09	TL-24BTB26	3020	76,20	50,80	133,35	12,93	2,95
27	328,19	TL-24BTB27	3020	76,20	50,80	133,35	13,50	2,95
28	340,29	TL-24BTB28	3020	76,20	50,80	133,35	14,70	2,95
29	352,29	TL-24BTB29	3020	76,20	50,80	133,35	14,75	2,95
30	364,49	TL-24BTB30	3020	76,20	50,80	133,35	15,20	2,95
32	388,71	TL-24BTB32	3020	76,20	50,80	133,35	15,76	2,95
38	461,37	TL-24CTB38	3030	76,20	76,20	139,70	24,97	4,18
40	485,60	TL-24CTB40	3030	76,20	76,20	139,70	28,46	4,18
42	509,83	TL-24CTB42	3030	76,20	76,20	139,70	31,95	4,18
45	546,19	TL-24CTB45	3030	76,20	76,20	139,70	37,19	4,18
48	582,54	TL-24CTB48	3030	76,20	76,20	139,70	42,43	4,18
50	606,78	TL-24CTB50	3030	76,20	76,20	139,70	45,92	4,18
54	655,26	TL-24CTB54	3535	88,90	88,90	165,10	63,32	6,36
57	691,62	TL-24CTB57	3535	88,90	88,90	165,10	71,46	6,36
60	727,99	TL-24CTB60	3535	88,90	88,90	165,10	79,60	6,36
68	824,97	TL-24CTB68	3535	88,90	88,90	165,10	101,31	6,36
72	873,46	TL-24CTB72	3535	88,90	88,90	165,10	112,17	6,36
76	921,96	TL-24CTB76	3535	88,90	88,90	165,10	123,02	6,36
95	1152,33	TL-24CTB95	4040	101,60	101,60	196,85	196,67	9,98
96	1164,46	TL-24CTB96	4040	101,60	101,60	196,85	201,03	9,98
114	1382,72	TL-24CTB114	4040	101,60	101,60	196,85	279,50	9,98



Type B



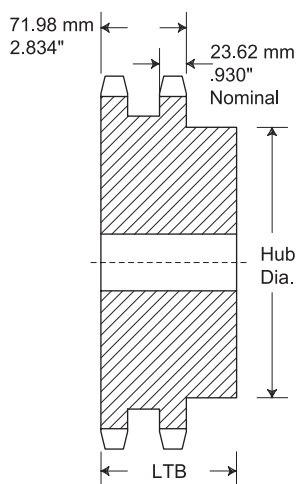
Type C



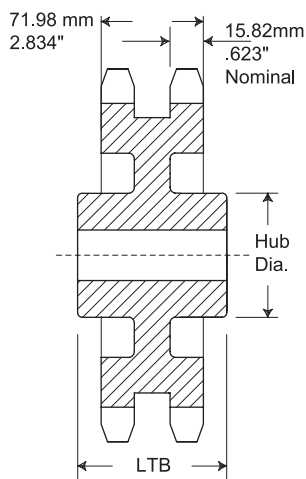
# NO 24B-2 METRIC 120-2 1 1/2" (38,100 mm) PITCH

## Type B, C

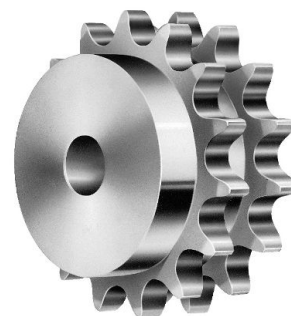
NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
11	135,23	TL-24B-2B11	32	60	90	100	6,50
12	147,21	TL-24B-2B12	32	67	102	100	8,13
13	159,20	TL-24B-2B13	32	76	114	100	9,92
14	171,22	TL-24B-2B14	32	84	128	100	11,98
15	183,25	TL-24B-2B15	32	93	140	100	14,13
16	195,29	TL-24B-2B16	32	100	150	100	16,35
17	207,35	TL-24B-2B17	40	100	150	100	17,85
18	219,41	TL-24B-2B18	40	108	160	100	20,35
19	231,48	TL-24B-2B19	40	108	160	100	22,56
20	243,55	TL-24B-2B20	40	108	160	100	24,78
21	255,63	TL-24B-2B21	40	108	160	100	26,99
22	267,72	TL-24B-2B22	40	108	160	102	29,74
23	279,80	TL-24B-2B23	40	108	160	102	32,87
24	291,90	TL-24B-2B24	40	108	160	102	36,00
25	303,99	TL-24B-2B25	40	108	160	102	39,13
26	316,09	TL-24B-2B26	40	108	160	102	42,26
27	328,19	TL-24B-2B27	40	108	160	102	45,40
28	340,29	TL-24B-2B28	40	108	160	102	48,53
29	352,39	TL-24B-2B29	40	108	160	102	51,66
30	364,49	TL-24B-2B30	40	108	160	102	54,79
32	388,71	TL-24B-2B32	40	108	160	102	61,05
38	461,37	TL-24B-2C38	40	137	190	152	72,01
40	485,60	TL-24B-2C40	40	137	190	152	75,80
42	509,83	TL-24B-2C42	40	137	190	152	79,59
45	546,19	TL-24B-2C45	40	137	190	152	85,28
48	582,54	TL-24B-2C48	40	137	190	152	90,97
50	606,78	TL-24B-2C50	40	137	190	152	94,76
54	655,26	TL-24B-2C54	40	161	238	159	127,46
57	691,62	TL-24B-2C57	40	161	238	159	140,74
60	727,99	TL-24B-2C60	40	161	238	159	154,02
68	824,97	TL-24B-2C68	40	161	238	159	189,45
72	873,46	TL-24B-2C72	40	161	238	159	207,16
76	921,96	TL-24B-2C76	40	161	238	159	224,87
95	1152,33	TL-24B-2C95	40	161	238	159	309,00
96	1164,46	TL-24B-2C96	40	161	238	159	313,43
114	1382,72	TL-24B-2C114	40	161	238	159	393,13



Type B



Type C

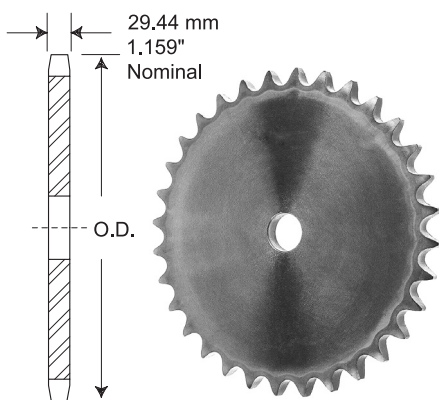


# NO 28B-1 METRIC 140 1 3/4" (44,450 mm) PITCH

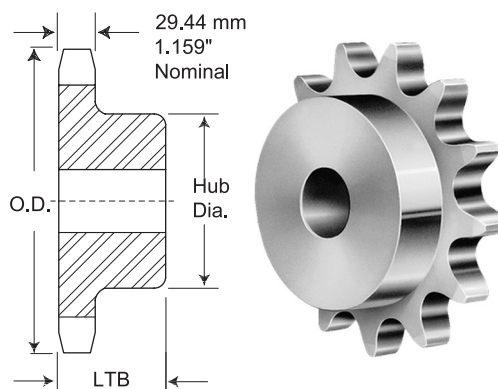
## Type A

## Type B, C

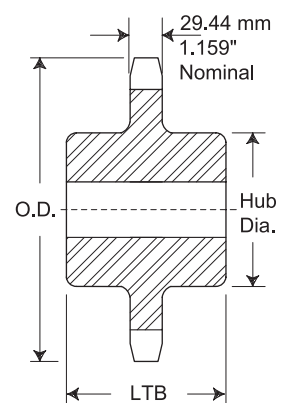
NO TEETH	PITCH DIA. mm	REFERENCE	BORE mm	WEIGHT Kgs	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
						Std mm	Max mm	Dia. mm	LTB mm	
11	157,77	TL-28A11	32	3,18	TL-28B11	40	73	112	70	5,27
12	171,74	TL-28A12	32	3,95	TL-28B12	40	84	125	70	6,40
13	185,74	TL-28A13	32	4,31	TL-28B13	40	93	140	70	8,22
14	199,76	TL-28A14	32	4,77	TL-28B14	40	93	140	60	9,13
15	213,79	TL-28A15	40	5,45	TL-28B15	40	108	160	60	11,40
16	227,84	TL-28A16	40	6,81	TL-28B16	40	108	160	64	12,76
17	241,91	TL-28A17	40	7,71	TL-28B17	40	108	160	64	13,65
18	255,98	TL-28A18	40	8,63	TL-28B18	40	108	160	64	13,65
19	270,06	TL-28A19	40	9,53	TL-28B19	40	108	160	64	15,01
20	284,14	TL-28A20	40	10,44	TL-28B20	40	108	160	64	16,84
21	298,24	TL-28A21	40	11,79	TL-28B21	40	108	160	64	18,19
22	312,34	TL-28A22	40	13,17	TL-28B22	40	108	160	64	19,11
23	326,44	TL-28A23	40	14,06	TL-28B23	40	108	160	64	20,46
24	340,54	TL-28A24	40	15,44	TL-28B24	40	108	160	64	21,84
25	354,65	TL-28A25	40	16,78	TL-28B25	40	108	160	64	22,73
26	368,77	TL-28A26	40	18,61	TL-28B26	40	108	160	64	26,83
27	382,88	TL-28A27	40	20,43	TL-28B27	40	108	160	64	27,74
28	397,00	TL-28A28	40	20,88	TL-28B28	40	108	160	64	30,29
29	411,12	TL-28A29	40	23,06	TL-28B29	40	108	160	64	31,74
30	425,24	TL-28A30	40	25,17	TL-28B30	40	108	160	64	32,73
32	453,49	TL-28A32	40	31,02	TL-28B32	40	134	180	76	34,84
38	538,27	TL-28A38	40	48,58	TL-28C38	40	134	178	102	51,25
40	566,54	TL-28A40	40	52,80	TL-28C40	40	134	178	102	52,84
42	594,81	TL-28A42	40	57,02	TL-28C42	40	134	178	102	54,43
45	637,22	TL-28A45	40	63,35	TL-28C45	40	134	178	102	60,55
48	679,63	TL-28A48	40	69,68	TL-28C48	40	134	178	102	62,72
54	764,47	TL-28A54	40	82,34	TL-28C54	40	134	178	127	74,60
57	806,89	TL-28A57	40	88,67	TL-28C57	40	134	178	127	81,77
60	849,32	TL-28A60	40	97,97	TL-28C60	40	134	178	127	88,94
68	962,47	TL-28A68	40	122,79	TL-28C68	40	137	191	127	108,05
72	1019,04	TL-28A72	40	135,19	TL-28C72	40	137	191	127	117,51
76	1075,62	TL-28A76	40	147,60	TL-28C76	40	137	191	127	127,17
95	1344,39	TL-28A95	40	206,53	TL-28C95	40	137	191	127	172,57
96	1358,53	TL-28A96	40	209,63	TL-28C96	40	137	191	127	174,96
114	1613,18	TL-28A114	40	265,46	TL-28C114	40	137	191	127	217,97



Type A



Type B

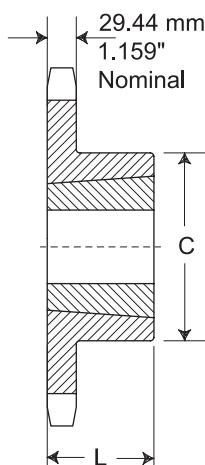


Type C

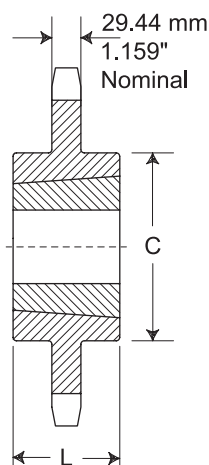
# NO 28B-1 METRIC 140 1 3/4" (44,450 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm			Max mm	L mm	C mm	Rim Kgs	Bushing Kgs
11	157,80	TL-28BTB11	2517	63,50	44,45	107,95	3,53	1,59
12	170,00	TL-28BTB12	2517	63,50	44,45	107,95	3,86	1,59
13	185,80	TL-28BTB13	3020	76,20	50,80	133,35	5,90	2,95
14	199,80	TL-28BTB14	3020	76,20	50,80	133,35	7,04	2,95
15	213,80	TL-28BTB15	3020	76,20	50,80	133,35	8,17	2,95
16	227,90	TL-28BTB16	3020	76,20	50,80	133,35	9,76	2,95
17	241,90	TL-28BTB17	3020	76,20	50,80	133,35	11,35	2,95
18	256,00	TL-28BTB18	3020	76,20	50,80	133,35	12,49	2,95
19	270,10	TL-28BTB19	3020	76,20	50,80	133,35	13,62	2,95
20	284,10	TL-28BTB20	3020	76,20	50,80	133,35	14,30	2,95
21	298,30	TL-28BTB21	3020	76,20	50,80	133,35	14,98	2,95
22	312,30	TL-28BTB22	3020	76,20	50,80	133,35	16,91	2,95
23	326,40	TL-28BTB23	3020	76,20	50,80	133,35	18,84	2,95
24	340,50	TL-28BTB24	3020	76,20	50,80	133,35	20,77	2,95
25	354,70	TL-28BTB25	3020	76,20	50,80	133,35	22,70	2,95
26	368,80	TL-28BTB26	3020	76,20	50,80	133,35	24,63	2,95
27	382,90	TL-28BTB27	3020	76,20	50,80	133,35	26,56	2,95
28	397,00	TL-28BTB28	3020	76,20	50,80	133,35	28,49	2,95
30	425,20	TL-28BTB30	3020	76,20	50,80	133,35	32,35	2,95
32	453,49	TL-28BTB32	3020	76,20	50,80	133,35	36,21	2,95
38	538,30	TL-28CTB38	3535	88,90	88,90	165,10	45,40	6,36
40	566,55	TL-28CTB40	3535	88,90	88,90	165,10	47,79	6,36
42	594,82	TL-28CTB42	3535	88,90	88,90	165,10	50,18	6,36
45	637,21	TL-28CTB45	4040	101,60	101,60	219,08	57,35	9,99
48	679,63	TL-28CTB48	4040	101,60	101,60	219,08	61,17	9,99
54	764,46	TL-28CTB54	4040	101,60	101,60	219,08	68,82	9,99
57	806,90	TL-28CTB57	4040	101,60	101,60	219,08	72,64	9,99
60	849,33	TL-28CTB60	4040	101,60	101,60	219,08	76,44	9,99
68	962,46	TL-28CTB68	4040	101,60	101,60	219,08	86,63	9,99
72	1019,05	TL-28CTB72	4040	101,60	101,60	219,08	91,73	9,99
76	1075,60	TL-28CTB76	4040	101,60	101,60	219,08	96,83	9,99
95	1344,37	TL-28CTB95	4040	101,60	101,60	219,08	121,03	9,99
96	1358,52	TL-28CTB96	4040	101,60	101,60	219,08	122,31	9,99
114	1613,18	TL-28CTB114	4040	101,60	101,60	219,08	145,24	9,99



Type B



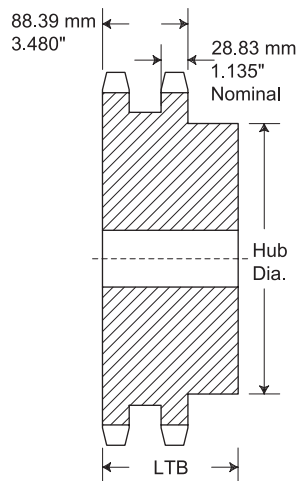
Type C



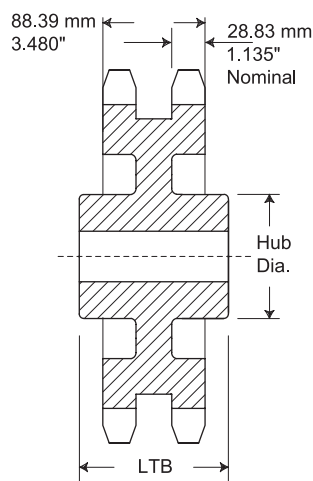
# NO 28B-2 METRIC 140-2 1 3/4" (44,450 mm) PITCH

## Type B, C

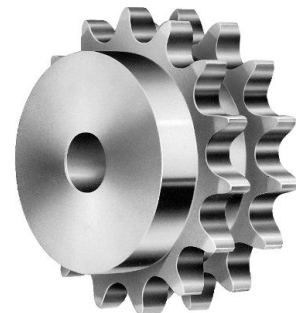
NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
			Std mm	Max mm	Dia. mm	LTB mm	
11	157,77	TL-28B-2B11	40	73	112	120	10,21
12	171,74	TL-28B-2B12	40	84	125	120	13,02
13	185,74	TL-28B-2B13	40	84	130	120	16,00
14	199,76	TL-28B-2B14	40	87	135	120	19,28
15	213,79	TL-28B-2B15	40	96	145	120	22,91
16	227,84	TL-28B-2B16	40	108	160	120	26,92
17	241,91	TL-28B-2B17	40	114	178	120	30,83
18	255,98	TL-28B-2B18	40	114	178	120	34,74
19	270,06	TL-28B-2B19	40	133	178	120	38,93
20	284,14	TL-28B-2B20	40	133	178	120	44,27
21	298,24	TL-28B-2B21	40	133	178	120	45,08
22	312,34	TL-28B-2B22	40	133	178	120	48,15
23	326,44	TL-28B-2B23	40	133	178	120	51,59
24	340,54	TL-28B-2B24	40	133	178	120	55,03
25	354,65	TL-28B-2B25	40	133	178	120	58,47
26	368,77	TL-28B-2B26	40	133	178	120	64,06
28	397,00	TL-28B-2B28	40	133	178	120	76,05
30	425,24	TL-28B-2B30	40	133	178	120	89,16
32	453,49	TL-28B-2B32	40	133	178	120	103,38
38	537,27	TL-28B-2B38	40	133	191	159	97,53
40	566,54	TL-28B-2B40	40	137	191	159	109,47
45	637,22	TL-28B-2B45	40	137	191	159	137,32
48	679,63	TL-28B-2B48	40	137	191	159	153,61
54	764,47	TL-28B-2B54	40	162	241	181	204,44
57	806,89	TL-28B-2B57	40	162	241	181	210,02
60	849,32	TL-28B-2B60	40	162	241	181	230,82
68	962,47	TL-28B-2B68	40	162	241	181	273,98
72	1019,04	TL-28B-2B72	40	162	241	181	305,70
76	1075,62	TL-28B-2B76	40	162	241	181	323,56



Type B



Type C

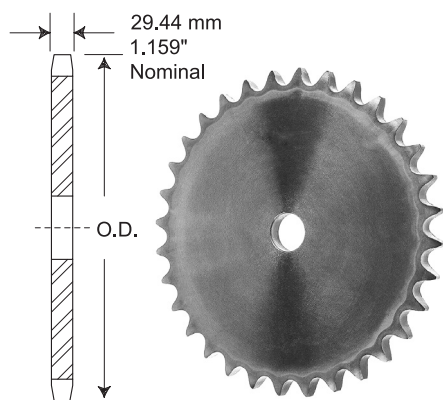


# NO 32B-1 METRIC 160 2"(50,800 mm) PITCH

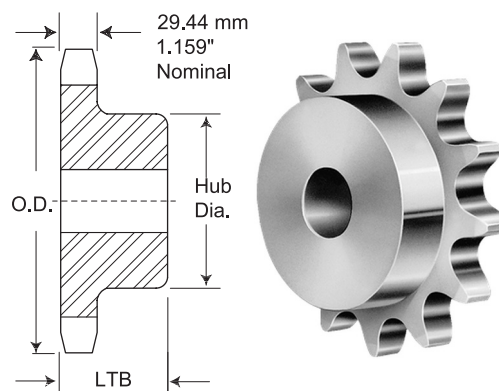
## Type A

## Type B, C

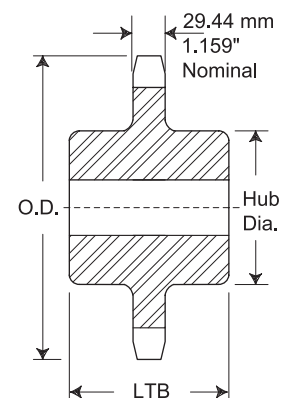
NO TEETH	PITCH DIA. mm	REFERENCE	BORE mm	WEIGHT Kgs	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT Kgs
						Std mm	Max mm	Dia. mm	LTB mm	
11	180,31	TL-32A11	32	5,00	TL-32B11	40	83	120	80	9,04
12	196,28	TL-32A12	32	6,02	TL-32B12	40	89	133	80	11,11
13	212,27	TL-32A13	32	7,12	TL-32B13	40	102	152	70	12,61
14	228,29	TL-32A14	32	8,32	TL-32B14	40	102	152	70	14,97
15	244,33	TL-32A15	40	9,50	TL-32B15	40	102	178	70	17,32
16	260,39	TL-32A16	40	11,64	TL-32B16	40	103	178	70	18,78
17	276,46	TL-32A17	40	12,35	TL-32B17	40	103	178	70	20,23
18	292,55	TL-32A18	40	13,96	TL-32B18	40	103	178	70	21,88
19	308,64	TL-32A19	40	15,57	TL-32B19	40	103	178	70	23,53
20	324,74	TL-32A20	40	17,36	TL-32B20	40	133	178	70	25,37
21	340,84	TL-32A21	40	19,15	TL-32B21	40	133	178	70	27,20
22	356,96	TL-32A22	40	21,13	TL-32B22	40	133	178	70	29,23
23	373,07	TL-32A23	40	23,10	TL-32B23	40	133	178	70	31,25
24	389,19	TL-32A24	40	25,26	TL-32B24	40	133	178	76	35,33
25	405,32	TL-32A25	40	27,41	TL-32B25	40	133	178	76	36,80
26	421,45	TL-32A26	40	30,25	TL-32B26	40	133	181	76	39,41
27	437,58	TL-32A27	40	33,10	TL-32B27	40	133	181	76	42,02
28	453,72	TL-32A28	40	35,94	TL-32B28	40	133	181	76	44,62
29	469,85	TL-32A29	40	38,78	TL-32B29	40	133	181	76	47,23
30	485,99	TL-32A30	40	41,63	TL-32B30	40	133	181	76	49,84
32	518,28	TL-32A32	40	47,31	TL-32B32	40	139	203	76	58,02
38	615,17	TL-32A38	40	64,37	TL-32C38	40	139	203	114	86,78
40	647,47	TL-32A40	40	72,98	TL-32C40	40	139	203	114	91,35
42	679,78	TL-32A42	40	81,60	TL-32C42	40	139	203	114	95,91
45	728,25	TL-32A45	40	94,52	TL-32C45	40	139	203	127	116,97
48	776,72	TL-32A48	40	107,44	TL-32C48	40	139	203	127	130,43
54	873,68	TL-32A54	40	133,29	TL-32C54	40	139	203	127	157,34
57	922,16	TL-32A57	40	146,21	TL-32C57	40	139	203	127	170,79
60	970,65	TL-32A60	40	164,35	TL-32C60	40	139	203	127	184,25
68	1099,96	TL-32A68	40	212,73	TL-32C68	40	139	203	127	220,13
72	1164,62	TL-32A72	40	236,91	TL-32C72	40	139	203	152	282,31
76	1229,28	TL-32A76	40	261,10	TL-32C76	40	139	203	152	297,99



Type A



Type B

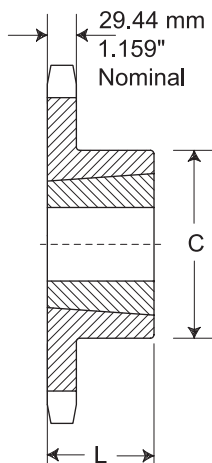


Type C

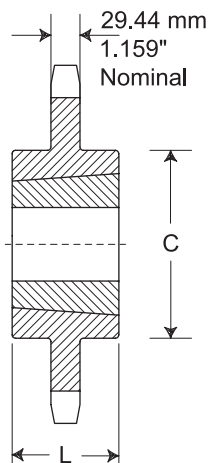
# NO 32B-1 METRIC 160 2" (50,800 mm) PITCH TYPE TAPER BUSH

## Taper Bushed

NO TEETH	PITCH DIA.	REFERENCE	BUSHING	BORE (Inch)	DIMENSIONS		WEIGHT	
	mm			Max mm	L mm	C mm	Rim Kgs	Bushing Kgs
11	180,31	TL-32BTB11	2517	63,50	44,45	107,95	4,51	1,59
12	196,28	TL-32BTB12	3020	76,20	50,80	133,35	5,27	2,95
13	212,27	TL-32BTB13	3020	76,20	50,80	133,35	6,38	2,95
14	228,29	TL-32BTB14	3020	76,20	50,80	133,35	6,87	2,95
15	244,33	TL-32BTB15	3535	88,90	88,90	165,10	11,80	6,36
16	260,39	TL-32BTB16	3535	88,90	88,90	165,10	13,38	6,36
17	276,46	TL-32BTB17	3535	88,90	88,90	165,10	14,98	6,36
18	292,55	TL-32BTB18	3535	88,90	88,90	165,10	16,12	6,36
19	308,64	TL-32BTB19	3535	88,90	88,90	165,10	17,25	6,36
20	324,74	TL-32BTB20	3535	88,90	88,90	165,10	21,10	6,36
21	340,84	TL-32BTB21	3535	88,90	88,90	165,10	24,94	6,36
22	356,96	TL-32BTB22	3535	88,90	88,90	165,10	27,79	6,36
23	373,07	TL-32BTB23	3535	88,90	88,90	165,10	30,64	6,36
24	389,19	TL-32BTB24	3535	88,90	88,90	165,10	33,48	6,36
25	405,32	TL-32BTB25	3535	88,90	88,90	165,10	36,32	6,36
26	421,45	TL-32BTB26	3535	88,90	88,90	165,10	39,16	6,36
27	437,58	TL-32BTB27	3535	88,90	88,90	165,10	42,00	6,36
28	453,72	TL-32BTB28	3535	88,90	88,90	165,10	44,84	6,36
30	486,99	TL-32BTB30	3535	88,90	88,90	165,10	50,52	6,36
32	518,28	TL-32BTB32	3535	88,90	88,90	165,10	56,20	6,36
38	615,17	TL-32CTB38	4040	101,60	101,60	219,08	68,10	10
40	647,47	TL-32CTB40	4040	101,60	101,60	219,08	77,08	10
45	728,25	TL-32CTB45	4040	101,60	101,60	219,08	99,53	10
48	776,72	TL-32CTB48	4040	101,60	101,60	219,08	113,01	10
54	873,68	TL-32CTB54	4040	101,60	114,30	219,08	139,95	10
57	922,16	TL-32CTB57	4545	114,30	114,30	247,65	136,20	13,62
60	970,65	TL-32CTB60	4545	114,30	114,30	247,65	158,84	13,62
64	1035,30	TL-32CTB64	4545	114,30	114,30	247,65	189,03	13,62
70	1132,29	TL-32CTB70	4545	114,30	114,30	247,65	234,32	13,62



Type B



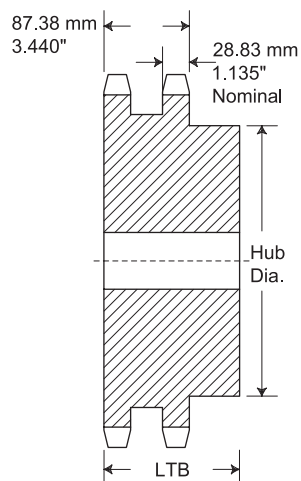
Type C



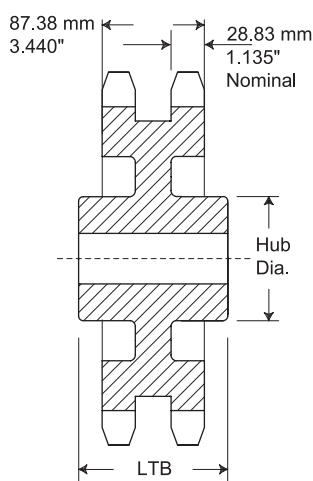
# NO 32B-2 METRIC 160-2 2" (50,800 mm) PITCH

## Type B, C

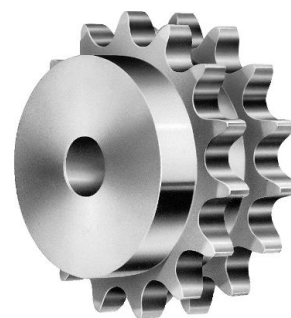
NO TEETH	PITCH DIA. mm	REFERENCE	BORE (Inch)		HUB (Inch)		WEIGHT
			Std mm	Max mm	Dia. mm	LTB mm	Kgs
11	180,31	TL-32B-2B11	40	80	125	120	10,42
12	196,28	TL-32B-2B12	40	89	133	120	16,32
13	212,27	TL-32B-2B13	40	96	145	120	21,77
14	228,29	TL-32B-2B14	40	103	155	120	26,31
15	244,33	TL-32B-2B15	40	106	160	120	30,84
16	260,39	TL-32B-2B16	40	120	178	120	34,02
17	276,46	TL-32B-2B17	40	120	178	120	41,28
18	292,55	TL-32B-2B18	40	120	178	120	43,55
19	308,64	TL-32B-2B19	40	120	178	120	48,53
20	324,74	TL-32B-2B20	40	130	191	120	53,98
21	340,84	TL-32B-2B21	40	130	191	120	58,97
22	356,96	TL-32B-2B22	40	130	191	120	63,96
23	373,07	TL-32B-2B23	40	130	191	120	71,21
24	389,19	TL-32B-2B24	40	130	191	120	77,57
25	405,32	TL-32B-2B25	40	130	191	120	84,82
26	421,45	TL-32B-2B26	40	130	191	120	91,17
27	437,58	TL-32B-2B27	40	130	191	120	97,52
28	453,72	TL-32B-2B28	40	130	191	120	101,13
30	485,99	TL-32B-2B30	40	130	191	120	116,57
38	615,17	TL-32B-2B38	40	178	254	181	170,25
40	647,47	TL-32B-2C40	40	178	254	181	177,46
45	728,25	TL-32B-2C45	40	178	254	181	195,50
48	776,72	TL-32B-2C48	40	178	254	181	204,51
54	873,68	TL-32B-2C54	40	178	254	181	222,53
57	922,16	TL-32B-2C57	40	178	254	181	231,54
60	970,65	TL-32B-2C60	40	178	254	181	255,83
76	1229,28	TL-32B-2C76	40	178	254	181	292,83



Type B



Type C





# IC. IDLE SPROCKETS

## Basics

Idle sprockets are very useful elements to maintain the tension in a chain drive system. It consists of a sprocket mounted on an arm, which pulls the sprocket against the chain and keeps the chain tightened. A larger sprocket is indicated as normally will last longer time as the speed is lower.

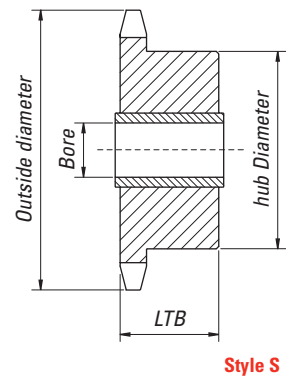
Aside of providing constant tension it helps to guide the chain, provi-

des bigger wrap of the chain in small sprockets, absorbs slack produced by wear, helps to smooth the transmission with uneven loads and as a plus may provide a reverse rotation in case the sprocket is mounted on the outside of the chain.

Our program comprehends a range of bronze-friction bush and ball bearing referred as BZ and BB respectively in the reference number.

### Bronze-bushed-idler sprocket

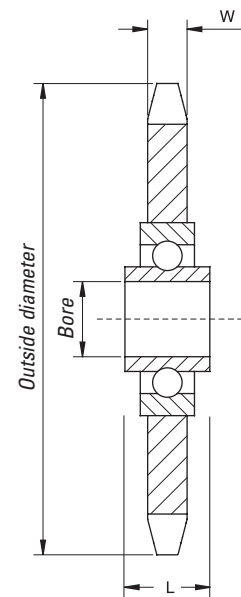
NO OF TEETH	OD	REFERENCE	CHAIN NUMBER	HUB DIA	LTB	BUSH BORE	WEIGHT	
							Lbs	Kg
	Inch			Inch		Diameter		
13	2,329	TL-IS41BZ13	41	1 9/16	15/16	1/2	0,5200	0,236
13	2,329	TL-IS40BZ13	40	1 9/16	15/16	1/2	0,5200	0,236
13	2,911	TL-IS50BZ13	50	2	15/16	1/2	0,9700	0,440
13	5,821	TL-IS100BZ13	100	4	1 9/16	1 1/4	5,7000	2,585
13	6,986	TL-IS120BZ13	120	4 1/2	1 9/16	1 1/4	13,0000	5,897
13	9,318	TL-IS160BZ13	160	5 3/4	2 1/2	1 1/4	26,4000	11,975
13	11,642	TL-IS200BZ13	200	5 3/4	2 1/2	1 1/4	58,0000	26,308
15	1,990	TL-IS35BZ15	35	1 3/8	15/16	1/2	0,3200	0,145
15	3,979	TL-IS60BZ15	60	2 11/16	1 1/16	7/8	2,5000	1,134
15	5,305	TL-IS80BZ15	80	3 1/2	1 9/16	1 1/4	5,6000	2,540
15	9,283	TL-IS140BZ15	140	5 3/4	2 1/2	1 1/4	27,3000	12,383
17	3,719	TL-IS50BZ17	50	2 5/8	1 1/16	7/8	1,8000	0,816
17	4,462	TL-IS60BZ17	60	2 7/8	1 9/16	1 1/4	3,3000	1,497
19	3,296	TL-IS41BZ19	41	2 7/16	1 1/16	7/8	1,3000	0,590
19	3,296	TL-IS40BZ19	40	2 7/16	1 1/16	7/8	1,5000	0,680
21	2,713	TL-IS35BZ21	35	2 1/8	1 1/16	7/8	0,8200	0,372



Style S

### Ball-bearing-idler sprocket

NO OF TEETH	OD	REFERENCE	CHAIN SIZE	BORE	L	W	WEIGHT	
							Lbs	Kg
	Inch			Inch	Inch	Inch		
12	4,360	TL-IS80BB12	80	0,75	0,610	0,575	1,500	0,680
13	3,510	TL-IS50BB13	60	0,638	0,720	0,459	0,760	0,345
15	3,320	TL-IS50BB15	50	0,638	0,720	0,343	0,750	0,340
15	3,980	TL-IS60BB15	60	0,638	0,720	0,459	1,060	0,481
17	2,970	TL-IS40BB17	40	0,638	0,720	0,284	0,520	0,236
17	3,720	TL-IS60BB17	50	0,638	0,720	0,343	0,780	0,354
18	3,140	TL-IS40BB18	40	0,638	0,720	0,284	0,530	0,240
20	2,600	TL-IS35BB20	35	0,638	0,720	0,168	0,380	0,172



Other available versions of Idlers: Nylon material idlers. Needle bearing idlers. Metric versions available.

# ID. DOUBLE PITCH SPROCKETS

## Basics

Used with conveyor chain systems where, broadly speaking, chains operate in longer distances and at lower speeds than transmission chains, they are different from sprocket of single pitch chains.

This type of sprockets are engaged with series 2000 roller chain, which have standard-size rollers having the same roller diameter and width as the ANSI B29.1 Roller Chain Standard of half the pitch. Their pitch is doubled, thus reducing the number of sprocket teeth engaged to half, and by every turn of the sprocket only half of the sprocket's teeth make a function with the result that any tooth of an odd-number sprocket will be engaged on every other turn what means a longer sprocket life.

These sprockets known as Hunting Tooth and Double Duty as well as they extend the useful life of the sprocket twice that of regular sprockets.

By manually advancing one tooth in an even number of teeth, the sprocket life will be as well longer, hence the name known as Double Duty after that effect. These sprockets have the same outside diameter and width as the single-pitch equivalent but have a slightly different profile, which confers a better seating of the chain. In fact, the Double Pitch Roller Chain series 2000 does not seat correctly in a Single Pitch Sprocket as they engage in position higher on the sprocket tooth face what creates stress in both, the chain and to the teeth of sprocket, increasing the wear, vibration, eventually jumping the chain and at the end damaging the unit. The bigger the sprocket the less this effect will be, to the extent that the ANSI Standard sprockets of 30 teeth and above may be used.

These sprockets are labelled as Standard while the chain as Standard Roller Conveyor type.

The reference number of the chain and consequently of the sprocket is formed after adding the number 2000 to the sprocket matching a 2000 chain number and adding the number 2002 to the sprocket matching a 2002 chain number. The chains use the prefix C for Conveyor and an H as a suffix indicating a Heavy style link plates.

The 2002 roller chain series are the same than the 2000 except for the size of the rollers which are larger and protrude above and below the link plates producing a rolling action and that the teeth are cut to engage the roller chain. The sprockets engaged by this chain series are known as Carrier Rollers.

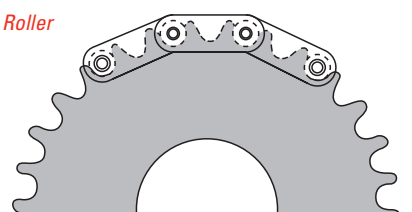
The sprockets for the C-2002 series chain with bigger rollers are cut to engage the chain of same roller diameter, while the sprockets of series C-2000 can not engage Double-pitch chain with Carrier Rollers.

Thus an ANSI 60 sprocket will be referred as a C2060 which will indicate to be 1 1/2" Double Pitch Standard Roller Sprocket engaging a Standard Roller Double Pitch Conveyor Chain or C2060H when engaging a Heavy chain. Alternatively will be referred as C2062 1 1/2" Double Pitch Carrier Roller Sprocket engaging a Double Pitch Big Roller Conveyor Chain or C2052H if engaging a Heavy chain.

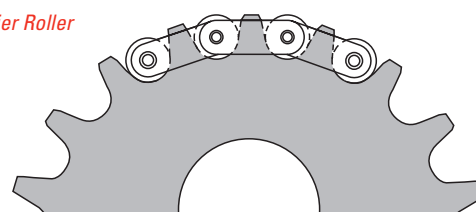
Double Pitch sprockets are cut special for use with Double Pitch chain, and eventually a regular ANSI standard sprocket with 30 teeth and above may be used.



*Standard Roller*



*Carrier Roller*



# NO 2040/C2040 DOUBLE PITCH 1" (25,400 mm) TYPE A STANDARD ROLLER

REFERENCE*	NO TEETH	Ef NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
	11	5,50		1,852	2,000	1,537				TL-2040B11	B	1/2	13/16	1 3/8	7/8	0,154	0,340
	12	6,00		2,000	2,170	1,688				TL-2040B12	B	1/2	1	1	7/8	0,200	0,440
	13	6,50		2,152	2,330	1,824				TL-2040B13	B	1/2	1	1	7/8	0,218	0,480
	14	7,00		2,305	2,490	1,993				TL-2040B14	B	1/2	1	1	7/8	0,272	0,600
	15	7,50		2,458	2,650	2,133				TL-2040B15	B	1/2	1 1/8	1 1/8	7/8	0,299	0,660
	16	8,00		2,613	2,810	2,301				TL-2040B16	B	5/8	1 3/16	1 3/16	7/8	0,345	0,760
	17	8,50		2,768	2,980	2,444				TL-2040B17	B	5/8	1 1/4	1 1/4	7/8	0,454	1,000
	18	9,00		2,924	3,140	2,612				TL-2040B18	B	5/8	1 3/8	1 3/8	7/8	0,526	1,160
	19	9,50		3,080	3,300	2,757				TL-2040B19	B	5/8	1 1/2	1 1/2	7/8	0,617	1,360
	20	10,00		3,236	3,460	2,924				TL-2040B20	B	5/8	1 3/4	1 3/4	1	0,699	1,540
	21	10,50		3,392	3,620	3,070				TL-2040B21	B	5/8	1 3/4	1 3/4	1	0,748	1,650
	22	11,00		3,780	3,549	3,237				TL-2040B22	B	5/8	1 3/4	1 3/4	1	0,907	2,000
TL-2040A23	23	11,50	A	3,940	3,706	3,386	5/8	0,349	0,770	TL-2040B23	B	5/8	1 3/4	1 3/4	1	0,980	2,160
TL-2040A24	24	12,00	A	4,100	3,864	3,552	5/8	0,381	0,840	TL-2040B24	B	5/8	1 3/4	1 3/4	1	1,021	2,250
TL-2040A25	25	12,50	A	4,260	4,021	3,701	5/8	0,413	0,910	TL-2040B25	B	5/8	1 3/4	1 3/4	1	1,043	2,300
TL-2040A26	26	13,00	A	4,420	4,179	3,867	5/8	0,454	1,000	TL-2040B26	B	5/8	1 3/4	1 3/4	1	1,089	2,400
TL-2040A28	28	14,00	A	4,494	4,740	4,182	5/8	0,499	1,100	TL-2040B28	B	5/8	1 3/4	1 3/4	1	1,157	2,550
TL-2040A30	30	15,00	A	4,810	5,060	4,498	5/8	0,590	1,300	TL-2040B30	B	5/8	1 3/4	1 3/4	1	1,243	2,740

\* All measures in inches. See page I15 for A & B drawings.

# NO 2042/C2042 DOUBLE PITCH 1" (25,400 mm) TYPE B CARRIER ROLLER

REFERENCE*	NO TEETH	Ef NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
	8	4,00		2,613	3,010	1,988				TL-2042B8	B	5/8	1 9/32	1 7/8	7/8	0,327	0,720
	9	4,50		2,924	3,350	2,255				TL-2042B9	B	5/8	1 15/32	2 7/32	7/8	0,463	1,020
	10	5,00		3,236	3,680	2,611				TL-2042B10	B	5/8	1 3/4	2 35/64	7/8	0,680	1,500
	11	5,50		3,549	4,000	2,888				TL-2042B11	B	5/8	1 7/8	2 5/8	7/8	0,762	1,680
	12	6,00		3,864	4,330	3,239				TL-2042B12	B	5/8	2 1/4	3 1/16	7/8	1,007	2,220
	13	6,50		4,179	4,660	3,523				TL-2042B13	B	5/8	2 1/4	3 1/4	7/8	1,161	2,560
	14	7,00		4,494	4,980	3,869				TL-2042B14	B	5/8	2 1/4	3 1/4	7/8	1,234	2,720
	15	7,50		4,810	5,300	4,158				TL-2042B15	B	5/8	2 1/4	3 1/4	7/8	1,315	2,900
TL-2042A16	16	8,00	A	5,126	5,630	4,501	19/32	0,590	1,300	TL-2042B16	B	5/8	2 1/4	3 1/4	7/8	1,406	3,100
TL-2042A17	17	8,50	A	5,442	5,950	4,794	19/32	0,726	1,600	TL-2042B17	B	5/8	2 1/4	3 1/4	7/8	1,542	3,400
TL-2042A18	18	9,00	A	5,759	6,270	5,134	19/32	0,816	1,800	TL-2042B18	B	5/8	2 1/4	3 1/4	7/8	1,615	3,560
TL-2042A19	19	9,50	A	6,076	6,590	5,430	19/32	0,907	2,000	TL-2042B19	B	5/8	2 1/4	3 1/4	7/8	1,687	3,720
TL-2042A20	20	10,00	A	6,392	6,910	5,768	23/32	1,089	2,400	TL-2042B20	B	3/4	2 3/8	3 1/2	1	2,141	4,720
TL-2042A21	21	10,50	A	6,710	7,240	6,056	23/32	1,179	2,600	TL-2042B21	B	3/4	2 3/8	3 1/2	1	2,195	4,840
TL-2042A22	22	11,00	A	7,027	7,560	6,402	23/32	1,270	2,800	TL-2042B22	B	3/4	2 3/8	3 1/2	1	2,350	5,180
TL-2042A23	23	11,50	A	7,344	7,880	6,702	23/32	1,406	3,100	TL-2042B23	B	3/4	2 3/8	3 1/2	1	2,286	5,040
TL-2042A24	24	12,00	A	7,661	8,200	7,036	23/32	1,451	3,200	TL-2042B24	B	3/4	2 3/8	3 1/2	1	2,531	5,580
TL-2042A25	25	12,50	A	7,979	8,520	7,338	23/32	1,588	3,500	TL-2042B25	B	3/4	2 3/8	3 1/2	1	2,703	5,960
TL-2042A26	26	13,00	A	8,296	8,840	7,671	23/32	1,678	3,700	TL-2042B26	B	3/4	2 3/8	3 1/2	1	2,821	6,220
TL-2042A28	28	14,00	A	8,931	9,480	8,307	23/32	2,132	4,700	TL-2042B28	B	3/4	2 3/8	3 1/2	1	3,075	6,780
TL-2042A30	30	15,00	A	9,567	10,110	8,942	23/32	2,268	5,000	TL-2042B30	B	3/4	2 3/8	3 1/2	1	3,429	7,560

\* All measures in inches. See page I15 for A & B drawings.



## NO 2050/C2050 DOUBLE PITCH 1 1/4" (31,750 mm) TYPE A STANDARD ROLLER

REFERENCE*	NO TEETH	EF NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
	11	5,50		3,549	4,000	2,888				TL-2050B11	B	5/8	13/16	1 3/4	1	0,281	0,620
	12	6,00		3,864	4,330	3,239				TL-2050B12	B	5/8	1	1 63/64	1	0,363	0,800
	13	6,50		4,179	4,660	3,523				TL-2050B13	B	5/8	1 7/32	1 23/32	1	0,372	0,820
	14	7,00		4,494	4,980	3,869				TL-2050B14	B	5/8	1 9/32	1 15/16	1	0,454	1,000
	15	7,50		4,810	5,300	4,158				TL-2050B15	B	5/8	1 7/16	2 5/32	1	0,553	1,220
	16	8,00		5,126	5,630	4,501				TL-2050B16	B	5/8	1 19/32	2 23/64	1	0,653	1,440
	17	8,50		5,442	5,950	4,794				TL-2050B17	B	5/8	1 3/4	2 9/16	1	0,762	1,680
	18	9,00		5,759	6,270	5,134				TL-2050B18	B	5/8	1 25/32	2 25/32	1	0,880	1,940
	19	9,50		6,076	6,590	5,430				TL-2050B19	B	5/8	1 31/32	2 63/64	1	1,016	2,240
	20	10,00		6,392	6,910	5,768				TL-2050B20	B	5/8	2	3	1	1,043	2,300
TL-2050A21	21	10,50	A	6,710	7,240	6,056	23/32	0,544	1,200	TL-2050B21	B	3/4	2	3	1	1,089	2,400
TL-2050A22	22	11,00	A	7,027	7,560	6,402	23/32	0,590	1,300	TL-2050B22	B	3/4	2	3	1	1,152	2,540
TL-2050A23	23	11,50	A	7,344	7,880	6,702	23/32	0,635	1,400	TL-2050B23	B	3/4	2	3	1	1,207	2,660
TL-2050A24	24	12,00	A	7,661	8,200	7,036	23/32	0,726	1,600	TL-2050B24	B	3/4	2	3	1 1/4	1,497	3,300
TL-2050A25	25	12,50	A	7,979	8,520	7,338	23/32	0,771	1,700	TL-2050B25	B	3/4	2	3	1 1/4	1,551	3,420
TL-2050A26	26	13,00	A	8,296	8,840	7,671	23/32	0,816	1,800	TL-2050B26	B	3/4	2	3	1 1/4	1,642	3,620
TL-2050A28	28	14,00	A	8,931	9,480	8,307	23/32	0,953	2,100	TL-2050B28	B	3/4	2	3	1 1/4	1,715	3,780
TL-2050A30	30	15,00	A	9,567	10,110	8,942	23/32	1,134	2,500	TL-2050B30	B	3/4	2	3 1/4	1 1/4	2,077	4,580

\* All measures in inches. See page I28 for A & B drawings.

## NO 2052/C2052 DOUBLE PITCH 1 1/4" (31,750 mm) TYPE B CARRIER ROLLER

REFERENCE*	NO TEETH	EF NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
										TL-2052B8	B	5/8	1 19/32	2 23/64	1		1,38
										TL-2052B9	B	5/8	1 25/32	2 25/32	1		1,92
										TL-2052B10	B	5/8	2	3	1		2,3
										TL-2052B11	B	5/8	2	3	1	1,152	2,540
TL-2052A12	12	6,00	A	4,830	5,420	4,08	23/32	1,58		TL-2052B12	B	3/4	2	3	1 1/4	1,451	3,200
TL-2052A13	13	6,50	A	5,223	5,820	4,435	23/32	1,82		TL-2052B13	B	3/4	2	3	1 1/4	1,579	3,480
TL-2052A14	14	7,00	A	5,617	6,230	4,867	23/32	2,28		TL-2052B14	B	3/4	2	3	1 1/4	1,760	3,880
TL-2052A15	15	7,50	A	6,012	6,630	5,229	23/32	2,46		TL-2052B15	B	3/4	2 1/4	3 1/4	1 1/4	2,023	4,460
TL-2052A16	16	8,00	A	6,407	7,030	5,657	23/32	2,880		TL-2052B16	B	3/4	2 1/4	3 1/4	1 1/4	2,177	4,800
TL-2052A17	17	8,50	A	6,803	7,440	6,024	23/32	3,280		TL-2052B17	B	3/4	2 1/4	3 1/4	1 1/4	2,422	5,340
TL-2052A18	18	9,00	A	7,198	7,840	6,448	23/32	3,640		TL-2052B18	B	3/4	2 1/4	3 1/4	1 1/4	2,558	5,640
TL-2052A19	19	9,50	A	7,595	8,240	6,819	23/32	4,120		TL-2052B19	B	3/4	2 1/4	3 1/4	1 1/4	2,740	6,040
TL-2052A20	20	10,00	A	7,991	8,640	7,241	23/32	4,720		TL-2052B20	B	3/4	2 1/4	3 1/4	1 1/4	2,939	6,480
TL-2052A21	21	10,50	A	8,387	9,040	7,614	23/32	2,304	5,080	TL-2052B21	B	3/4	2 1/4	3 1/4	1 1/4	3,175	7,000
TL-2052A22	22	11,00	A	8,783	9,440	8,033	23/32	2,359	5,200	TL-2052B22	B	3/4	2 1/4	3 1/4	1 1/4	3,311	7,300
TL-2052A23	23	11,50	A	9,180	9,850	8,409	15/16	2,649	5,840	TL-2052B23	B	1	2 3/4	3 1/4	1 1/4	3,928	8,660
TL-2052A24	24	12,00	A	9,577	10,250	8,827	15/16	3,039	6,700	TL-2052B24	B	15/16	2 3/4	3 1/4	1 1/4	4,227	9,320
TL-2052A25	25	12,50	A	9,973	10,650	9,204	15/16	3,420	7,540	TL-2052B25	B	15/16	2 3/4	3 1/4	1 1/4	4,672	10,300
TL-2052A26	26	13,00	A	10,370	11,050	9,620	15/16	3,738	8,240	TL-2052B26	B	15/16	2 3/4	3 1/4	1 1/4	4,990	11,000
TL-2052A28	28	14,00	A	11,164	11,840	10,414	15/16	3,946	8,700	TL-2052B28	B	15/16	2 3/4	3 1/4	1 1/4	5,307	11,700
TL-2052A30	30	15,00	A	11,958	12,640	11,208	15/16	4,500	9,920	TL-2052B30	B	15/16	2 3/4	3 1/4	1 1/4	5,851	12,900

\* All measures in inches. See page I28 for A & B drawings.



# NO 2060/C2060 DOUBLE PITCH 1 1/2" (38,100 mm) TYPE A STANDARD ROLLER

REFERENCE*	NO TEETH	EF NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
	11	5,50		2,773	3,000	2,276				TL-2060B11	B	3/4	1	2 1/16	1,140	0,517	1,140
	12	6,00		3,000	3,250	2,531				TL-2060B12	B	3/4	1 1/4	2 1/16	1,140	0,662	1,460
	13	6,50		3,228	3,480	2,735				TL-2060B13	B	3/4	1 5/16	2 5/64	1,140	0,689	1,520
	14	7,00		3,457	3,740	2,988				TL-2060B14	B	3/4	1 9/16	2 21/64	1,140	0,844	1,860
	15	7,50		3,688	3,960	3,199				TL-2060B15	B	3/4	1 3/4	2 19/32	1,140	1,016	2,240
	16	8,00		3,920	4,220	3,451				TL-2060B16	B	3/4	1 27/62	2 27/32	1,140	1,197	2,640
	17	8,50		4,152	4,450	3,666				TL-2060B17	B	3/4	2 3/32	3 3/32	1,140	1,397	3,080
	18	9,00		4,386	4,700	3,917				TL-2060B18	B	3/4	2 9/32	3 11/32	1,140	1,615	3,560
TL-2060A19	19	9,50		4,620	4,940	4,135	23/32	0,953	2,100	TL-2060B19	B	3/4	2 11/32	3 1/2	1,140	1,787	3,940
TL-2060A20	20	10,00		4,854	5,190	4,385	23/32	1,089	2,400	TL-2060B20	B	3/4	2 9/16	3 7/8	1,140	2,041	4,500
TL-2060A21	21	10,50	A	5,089	5,420	4,606	23/32	1,134	2,500	TL-2060B21	B	3/4	2 3/4	4	1,140	2,277	5,020
TL-2060A22	22	11,00	A	5,324	5,670	4,855	23/32	1,225	2,700	TL-2060B22	B	3/4	2 3/4	4	1,140	2,386	5,260
TL-2060A23	23	11,50	A	5,560	5,900	5,077	23/32	1,361	3,000	TL-2060B23	B	3/4	2 3/4	4	1,140	2,513	5,540
TL-2060A24	24	12,00	A	5,796	6,150	5,327	23/32	1,451	3,200	TL-2060B24	B	3/4	2 3/4	4	1,140	2,676	5,900
TL-2060A25	25	12,50	A	6,032	6,380	5,551	23/32	1,497	3,300	TL-2060B25	B	3/4	2 3/4	4	1,140	2,758	6,080
TL-2060A26	26	13,00	A	6,268	6,630	5,799	23/32	1,588	3,500	TL-2060B26	B	3/4	2 3/4	4	1,140	2,885	6,360
TL-2060A28	28	14,00	A	6,741	7,110	6,272	23/32	1,814	4,000	TL-2060B28	B	3/4	2 3/4	4	1,140	3,184	7,020
TL-2060A30	30	15,00	A	7,215	7,590	6,746	23/32	2,132	4,700	TL-2060B30	B	3/4	2 3/4	4	1,140	3,420	7,540

\* All measures in inches. See page I43 for A & B drawings.

# NO 2062/C2062 DOUBLE PITCH 1 1/2" (38,100 mm) TYPE B CARRIER ROLLER

REFERENCE*	NO TEETH	EF NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
				3,920	4,520	3,045				TL-2062B8	B	3/4	1 27/32	2 27/32	1 1/4	1,179	2,6
				4,386	5,020	3,444				TL-2062B9	B	3/4	2 9/32	3 11/32	1 1/4	1,579	3,48
				4,584	5,520	3,979				TL-2062B10	B	3/4	2 9/16	3 53/64	1 1/4	2,059	4,54
				5,324	6,010	4,395				TL-2062B11	B	3/4	2 3/4	4	1 1/4	2,359	5,200
TL-2062A12	12	6,00	A	5,796	6,500	4,921	23/32	1,352	2,98	TL-2062B12	B	3/4	2 3/4	4	1 1/4	2,585	5,700
TL-2062A13	13	6,50	A	6,268	6,990	5,347	23/32	1,633	3,600	TL-2062B13	B	3/4	2 3/4	4	1 1/4	2,849	6,280
TL-2062A14	14	7,00	A	6,741	7,470	5,866	23/32	1,823	4,020	TL-2062B14	B	3/4	2 3/4	4	1 1/4	3,094	6,820
TL-2062A15	15	7,50	A	7,215	7,960	6,3	23/32	2,159	4,760	TL-2062B15	B	3/4	2 3/4	4	1 1/4	3,393	7,480
TL-2062A16	16	8,00	A	7,689	8,440	6,814	23/32	2,585	5,700	TL-2062B16	B	3/4	2 3/4	4	1 1/4	3,710	8,180
TL-2062A17	17	8,50	A	8,163	8,920	7,253	15/16	2,794	6,160	TL-2062B17	B	1	2 3/4	4	1 1/4	4,001	8,820
TL-2062A18	18	9,00	A	8,638	9,410	7,763	15/16	3,157	6,960	TL-2062B18	B	1	2 3/4	4	1 1/4	4,246	9,360
TL-2062A19	19	9,50	A	9,113	9,890	8,207	15/16	3,629	8,000	TL-2062B19	B	1	2 3/4	4 1/4	1 1/4	5,035	11,100
TL-2062A20	20	10,00	A	9,589	10,370	8,714	15/16	3,837	8,460	TL-2062B20	B	15/16	2 3/4	4 1/4	1 1/4	5,289	11,660
TL-2062A21	21	10,50	A	10,064	10,850	9,161	15/16	4,051	8,930	TL-2062B21	B	15/16	2 3/4	4 1/4	1 1/4	6,006	13,240
TL-2062A22	22	11,00	A	10,540	11,330	9,665	15/16	4,872	10,740	TL-2062B22	B	15/16	2 3/4	4 1/4	1 1/4	6,251	13,780
TL-2062A23	23	11,50	A	11,016	11,810	10,115	15/16	5,280	11,640	TL-2062B23	B	15/16	2 3/4	4 1/4	1 1/4	6,759	14,900
TL-2062A24	24	12,00	A	11,492	12,290	10,617	15/16	5,733	12,640	TL-2062B24	B	15/16	2 3/4	4 1/4	1 1/4	7,103	15,660
TL-2062A25	25	12,50	A	11,968	12,770	11,07	15/16	6,251	13,780	TL-2062B25	B	15/16	2 3/4	4 1/4	1 1/4	7,620	16,800
TL-2062A26	26	13,00	A	12,444	13,250	11,569	15/16	6,804	15,000	TL-2062B26	B	15/16	2 3/4	4 1/4	1 1/4	9,163	20,200
TL-2062A28	28	14,00	A	13,397	14,210	12,522	1 1/4	7,856	17,320	TL-2062B28	B	1 1/4	2 3/4	4 1/4	1 3/4	9,916	21,860
TL-2062A30	30	15,00	A	14,350	15,170	13,475	1 1/4	8,845	19,500	TL-2062B30	B	1 1/4	2 3/4	4 1/4	1 3/4	11,793	26,000

\* All measures in inches. See page I43 for A & B drawings.



# NO 2080/C2080 DOUBLE PITCH 2" (50,800 mm) TYPE A STANDARD ROLLER

REFERENCE*	NO TEETH	EF NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
	11	5,50		3,694	4,010	3,074				TL-2080B11	B	1	1 1/2	2 13/16	1 3/8	1,134	2,500
	12	6,00		4,000	4,330	3,375				TL-2080B12	B	1	1 3/4	3	1 3/8	1,451	3,200
	13	6,50		4,304	4,640	3,647				TL-2080B13	B	1	1 7/8	3 1/16	1 3/8	1,497	3,300
	14	7,00		4,610	4,980	3,985				TL-2080B14	B	1	2 1/8	3 1/8	1 3/8	1,814	4,000
	15	7,50		4,917	5,290	4,265				TL-2080B15	B	1	2 3/8	3 7/16	1 5/8	2,177	4,800
TL-2080A16	16	8,00		5,226	5,630	4,601	1	1,406	3,100	TL-2080B16	B	1	2 1/4	3 1/4	1 5/8	2,585	5,700
TL-2080A17	17	8,50		5,536	5,940	4,888	1	1,588	3,500	TL-2080B17	B	1	2 1/4	3 1/4	1 5/8	2,903	6,400
TL-2080A18	18	9,00		5,848	6,270	5,223	1	1,814	4,000	TL-2080B18	B	1	2 1/4	3 1/4	1 5/8	3,357	7,400
TL-2080A19	19	9,50		6,160	6,580	5,513	1	1,996	4,400	TL-2080B19	B	1	2 3/4	4	1 5/8	3,493	7,700
TL-2080A20	20	10,00		6,472	6,910	5,845	1	1,996	4,400	TL-2080B20	B	1	2 3/4	4	1 5/8	3,765	8,300
TL-2080A21	21	10,50	A	6,785	7,230	6,141	1	2,268	5,000	TL-2080B21	B	1	2 3/4	4	1 5/8	4,264	9,400
TL-2080A22	22	11,00	A	7,099	7,560	6,474	1	2,540	5,600	TL-2080B22	B	1	2 3/4	4	1 5/8	4,536	10,000
TL-2080A23	23	11,50	A	7,413	7,870	6,77	1	2,812	6,200	TL-2080B23	B	1	2 3/4	4	1 5/8	4,763	10,500
TL-2080A24	24	12,00	A	7,727	8,200	7,102	1	2,994	6,600	TL-2080B24	B	1	2 3/4	4	1 5/8	5,035	11,100
TL-2080A25	25	12,50	A	8,042	8,510	7,401	1	3,175	7,000	TL-2080B25	B	1	2 3/4	4	1 5/8	5,443	12,000
TL-2080A26	26	13,00	A	8,357	8,840	7,732	1 3/8	3,583	7,900	TL-2080B26	B	1 3/8	2	4 3/4	1 7/8	6,713	14,800
TL-2080A28	28	14,00	A	8,988	9,480	8,363	1 3/8	4,082	9,000	TL-2080B28	B	1 3/8	2	4 3/4	1 7/8	7,530	16,600
TL-2080A30	30	15,00	A	9,620	10,110	8,995	1 3/8	4,808	10,600	TL-2080B30	B	1 3/8	2	4 3/4	1 7/8	8,074	17,800

\* All measures in inches. See page I52 for A & B drawings.

# NO 2082/C2082 DOUBLE PITCH 2" (50,800 mm) TYPE B CARRIER ROLLER

REFERENCE*	NO TEETH	EF NO TEETH	TYPE	DIAMETER			BORE	WEIGHT		REFERENCE	TYPE	BORE		HUB		WEIGHT	
				Pitch	Outer	Caliper		Kgs	Lbs			Std	Max	Dia	LTB	Kgs	Lbs
				5,226	6,030	4,101				TL-2082B8	B	1	2 17/32	3 51/64	1 3/4	2,903	6,4
				5,848	6,700	4,634				TL-2082B9	B	1	2 3/4	4 1/4	1 3/4	3,719	8,2
				6,472	7,360	5,347				TL-2082B10	B	1	2 3/4	4 1/4	1 3/4	4,173	9,2
TL-2082A11	11	5,50		7,099	8,010	5,902	1	2,585	5,700	TL-2082B11	B	1	2 3/4	4 1/4	1 3/4	4,581	10,100
TL-2082A12	12	6,00	A	7,727	8,660	6,602	1	3,084	6,800	TL-2082B12	B	1 3/8	2 3/4	4 1/4	1 7/8	5,080	11,200
TL-2082A13	13	6,50	A	8,357	9,320	7,171	1 3/8	3,493	7,700	TL-2082B13	B	1 3/8	3 1/4	4 3/4	1 7/8	6,804	15,000
TL-2082A14	14	7,00	A	8,988	9,960	7,863	1 3/8	4,128	9,100	TL-2082B14	B	1 3/8	3 1/4	4 3/4	1 7/8	7,167	15,800
TL-2082A15	15	7,50	A	9,620	10,610	8,442	1 3/8	4,853	10,700	TL-2082B15	B	1 3/8	3 1/4	4 3/4	1 7/8	8,074	17,800
TL-2082A16	16	8,00	A	10,252	11,260	9,127	1 3/8	5,625	12,400	TL-2082B16	B	1 3/8	3 1/4	4 3/4	1 7/8	8,754	19,300
TL-2082A17	17	8,50	A	10,885	11,900	9,713	1 3/8	6,396	14,100	TL-2082B17	B	1 3/8	3 1/4	4 3/4	1 7/8	9,707	21,400
TL-2082A18	18	9,00	A	11,518	12,540	10,393	1 3/8	6,985	15,400	TL-2082B18	B	1 3/8	3 1/4	4 3/4	1 7/8	10,387	22,900
TL-2082A19	19	9,50	A	12,151	13,190	10,985	1 3/8	8,165	18,000	TL-2082B19	B	1 3/8	3 1/4	4 3/4	1 7/8	11,068	24,400
TL-2082A20	20	10,00	A	12,785	13,830	11,66	1 3/8	8,709	19,200	TL-2082B20	B	1 3/8	3 1/4	4 3/4	1 7/8	12,111	26,700
TL-2082A21	21	10,50	A	13,419	14,470	12,256	1 3/8	9,435	20,800	TL-2082B21	B	1 3/8	3 1/4	4 3/4	1 7/8	12,882	28,400
TL-2082A22	22	11,00	A	14,053	15,110	12,928	1 3/8	10,750	23,700	TL-2082B22	B	1 3/8	3 1/4	4 3/4	1 7/8	17,962	39,600
TL-2082A23	23	11,50	A	14,688	15,750	13,528	1 3/8	11,294	24,900	TL-2082B23	B	1 3/8	3 1/4	4 3/4	1 7/8	14,606	32,200
TL-2082A24	24	12,00	A	15,323	16,390	14,198	1 3/8	12,519	27,600	TL-2082B24	B	1 3/8	3 1/4	4 3/4	1 7/8	15,830	34,900
TL-2082A25	25	12,50	A	15,958	17,030	14,801	1 3/8	13,698	30,200	TL-2082B25	B	1 3/8	3 1/4	4 3/4	1 7/8	17,146	37,800
TL-2082A26	26	13,00	A	16,593	17,670	15,468	1 3/8	14,878	32,800	TL-2082B26	B	1 3/8	3 1/2	5 1/4	2	18,824	41,500
TL-2082A28	28	14,00	A	17,863	18,950	16,738	1 3/8	17,509	38,600	TL-2082B28	B	1 3/8	3 1/2	5 1/4	2	21,636	47,700
TL-2082A30	30	15,00	A	19,134	20,230	18,009	1 3/8	19,867	43,800	TL-2082B30	B	1 3/8	3 1/2	5 1/4	2	24,721	54,500

\* All measures in inches. See page I52 for A & B drawings.



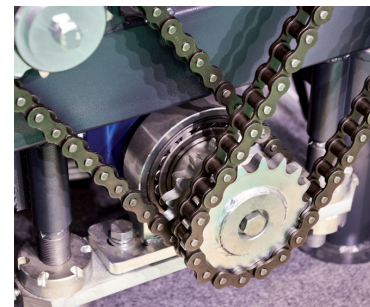
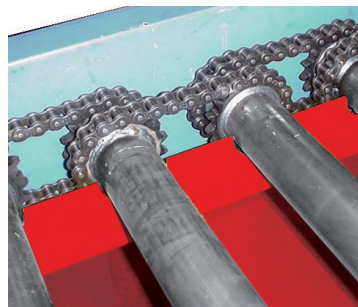
# IE. DOUBLE SINGLE SPROCKETS

## Basics

These sprockets are used to run two single-strand type roller chains, hence the name double-single comes from, thus can run two chains with one only shaft for both.

The sprockets are built with two plates with a certain distance between them in a way that each strand is connected to a different chain, which can drive in different directions.

These sprockets are usually type A although in our program, which starts with ANSI #40 up to, #160 are compatible with Taper Bush and Split Taper Bush.



## Ansi & Metric

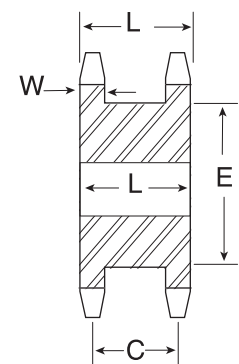
In ANSI standard we start with the No 40, 1/2" pitch up to No 160, 2" pitch receiving either MPB, Taper bush or Split taper while in ME-

TRIC we cover from 06B, 3/8" pitch up to 16B, 1" either MPB or Taper bush type.

## NO 40 1/2" PITCH DOUBLE SINGLE

### Taper A

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS				WEIGHT	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W Nom.	Kgs	Lbs
15	2,650	2,405	TL-DS40A15	1/2	1 1/4	1 13/32	1 1/8	1 13/16	0,284	0,544	1,2
16	2,810	2,563	TL-DS40A16	1/2	1 1/4	1 13/32	1 1/8	2	0,284	0,635	1,4
17	2,980	2,721	TL-DS40A17	1/2	1 5/16	1 13/32	1 1/8	2 1/8	0,284	0,726	1,6
18	3,140	2,879	TL-DS40A18	1/2	1 1/2	1 13/32	1 1/8	2 5/16	0,284	0,816	1,8
19	3,300	3,038	TL-DS40A19	5/8	1 11/16	1 13/32	1 1/8	2 1/2	0,284	0,998	2,2
20	3,460	3,196	TL-DS40A20	5/8	1 3/4	1 13/32	1 1/8	2 5/8	0,284	1,179	2,6
21	3,620	3,355	TL-DS40A21	5/8	1 3/4	1 13/32	1 1/8	2 25/32	0,284	1,315	2,9
22	3,780	3,513	TL-DS40A22	5/8	1 13/16	1 13/32	1 1/8	2 15/16	0,284	1,361	3,0
23	3,940	3,672	TL-DS40A23	5/8	2 1/16	1 13/32	1 1/8	3 3/32	0,284	1,588	3,5
24	4,100	3,831	TL-DS40A24	5/8	2 1/4	1 13/32	1 1/8	3 17/64	0,284	1,814	4,0
25	4,260	3,989	TL-DS40A25	5/8	2 1/4	1 13/32	1 1/8	3 7/16	0,284	2,041	4,5

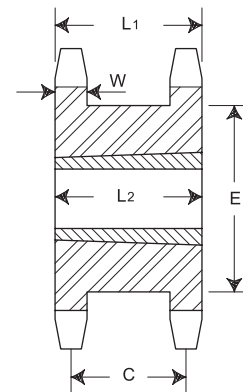


Type A

# NO 40 1/2" PITCH DOUBLE SINGLE. TYPE TAPER BUSH

## Type Taper Bush

NO TEETH	DIAMETER		REFERENCE	BUSH	BORE		DIMENSIONS				
	OD Inch	Pitch Inch			Min	Max	L1	C	E	L2	W Nom.
18	3,140	2,879	TL-DS40TB18	1215	1/2	1 1/4	1 13/32	1 1/8	2 5/16	1 1/2	0,284
19	3,300	3,038	TL-DS40TB19	1215	1/2	1 1/4	1 13/32	1 1/8	2 1/2	1 1/2	0,284
20	3,460	3,196	TL-DS40TB20	1215	1/2	1 1/4	1 13/32	1 1/8	2 5/8	1 1/2	0,284
21	3,620	3,355	TL-DS40TB21	1215	1/2	1 5/8	1 13/32	1 1/8	2 25/32	1 1/2	0,284
23	3,940	3,672	TL-DS40TB23	1615	1/2	1 5/8	1 13/32	1 1/8	3 3/32	1 1/2	0,284
24	4,100	3,831	TL-DS40TB24	1615	1/2	1 5/8	1 13/32	1 1/8	3 17/64	1 1/2	0,284

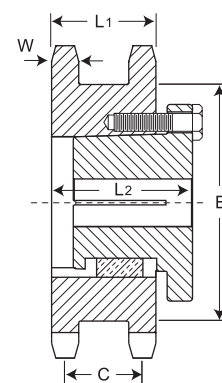


TAPER BUSH  
Type A

# NO 40 1/2" PITCH DOUBLE SINGLE. TYPE SPLIT TAPER

## Type Split Taper Bush

NO TEETH	DIAMETER		REFERENCE	BUSH SIZE	BORE		DIMENSIONS					
	OD Inch	Pitch Inch			Min	Type	Max	L1	C	E	L2	W Nom.
19	3,300	3,038	TL-DS40ST19	H	3/8	BH	1 1/2	1 13/32	1 1/8	2 1/2	2 1/32	0,284
21	3,620	3,355	TL-DS40ST21	H	3/8	BH	1 1/2	1 13/32	1 1/8	2 25/32	2 1/32	0,284
23	3,940	3,672	TL-DS40ST23	P1	3/8	B	1 1/2	1 13/32	1 1/8	3 3/32	2 9/32	0,284
24	4,100	3,831	TL-DS40ST24	P1	3/8	B	1 1/2	1 13/32	1 1/8	3 17/64	2 9/32	0,284

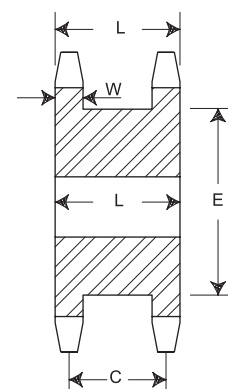


MST  
Type B

# NO 50 5/8" PITCH DOUBLE SINGLE

## Taper A

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS				WEIGHT	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W Nom.	Kgs	Lbs
15	3,320	3,006	TL-DS50A15	5/8	1 1/2	1 21/32	1 5/16	2 3/8	0,343	0,953	2,1
16	3,520	3,204	TL-DS50A16	5/8	1 11/16	1 21/32	1 5/16	2 31/64	0,343	1,089	2,4
17	3,720	3,401	TL-DS50A17	5/8	1 3/4	1 21/32	1 5/16	2 11/16	0,343	1,315	2,9
18	3,920	3,599	TL-DS50A18	5/8	1 7/8	1 21/32	1 5/16	2 57/64	0,343	1,497	3,3
19	4,120	3,797	TL-DS50A19	5/8	2 1/16	1 21/32	1 5/16	3 5/64	0,343	1,678	3,7
20	4,320	3,995	TL-DS50A20	5/8	2 1/4	1 21/32	1 5/16	3 9/32	0,343	1,905	4,2
21	4,520	4,194	TL-DS50A21	5/8	2 1/4	1 21/32	1 5/16	3 31/64	0,343	2,177	4,8
22	4,720	4,392	TL-DS50A22	5/8	2 7/16	1 21/32	1 5/16	3 11/16	0,343	2,404	5,3
23	4,920	4,590	TL-DS50A23	5/8	2 5/8	1 21/32	1 5/16	3 57/64	0,343	2,631	5,8
24	5,120	4,788	TL-DS50A24	5/8	2 3/4	1 21/32	1 5/16	4 5/64	0,343	2,858	6,3



Type A

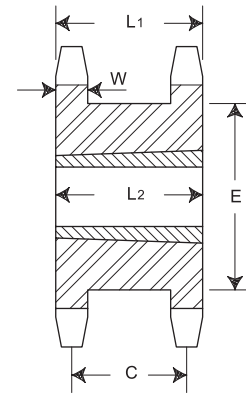


# NO 50 5/8" PITCH DOUBLE SINGLE . TYPE TAPER BUSH

**Taper Bushed**

**Type A**

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch			Min	Max	L1	C	E	L2	W Nom.	Kgs	Lbs
16	3,520	3,204	1215	TL-DS50ATB16	1/2	1 5/8	1 21/32	1 5/16	2 31/64	1 1/2	0,343	0,680	1,5
17	3,720	3,401	1615	TL-DS50ATB17	1/2	1 5/8	1 21/32	1 5/16	2 11/16	1 1/2	0,343	0,816	1,8
18	3,920	3,599	1615	TL-DS50ATB18	1/2	1 5/8	1 21/32	1 5/16	2 57/64	1 1/4	0,343	0,998	2,2
19	4,120	3,797	1615	TL-DS50ATB19	1/2	1 5/8	1 21/32	1 5/16	3 5/64	1 1/4	0,343	1,225	2,7
20	4,320	3,995	1615	TL-DS50ATB20	1/2	1 5/8	1 21/32	1 5/16	3 9/32	1 3/4	0,343	2,268	5,0
21	4,520	4,194	2012	TL-DS50ATB21	1/2	2,00	1 21/32	1 5/16	3 31/64	1 3/4	0,343	1,497	3,3
23	4,920	4,590	2012	TL-DS50ATB23	1/2	2,00	1 21/32	1 5/16	3 57/64	1 3/4	0,343	1,678	3,7
24	5,120	4,788	2012	TL-DS50ATB24	1/2	2,00	1 21/32	1 5/16	4 5/64	1 3/4	0,343	1,860	4,1

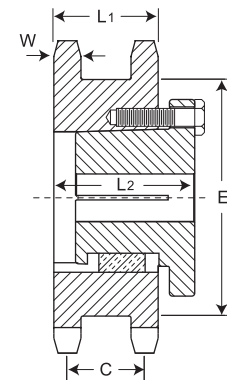


**TAPER BUSH  
Type A**

# NO 50 5/8" PITCH DOUBLE SINGLE. TYPE SPLIT TAPER

**Type Split Taper**

NO TEETH	DIAMETER		REFERENCE	BUSH SIZE	BORE	TYPE	BORE	DIMENSIONS				
	OD Inch	Pitch Inch						Min	Max	L1	C	E
17	3,720	3,401	TL-DS50ST17	H	3/8	BH	1 1/2	1 21/32	1 5/16	2 11/16	2 9/32	0,343
19	4,120	3,797	TL-DS50ST19	P1	1/2	B	1 3/4	1 21/32	1 5/16	3 5/64	2 17/32	0,343
21	4,520	4,194	TL-DS50ST21	P1	1/2	B	1 3/4	1 21/32	1 5/16	3 31/64	2 17/32	0,343
23	4,920	4,590	TL-DS50ST23	P1	1/2	B	1 3/4	1 21/32	1 5/16	3 57/64	2 17/32	0,343
24	5,120	4,788	TL-DS50ST24	P1	1/2	B	1 3/4	1 21/32	1 5/16	4 5/64	2 17/32	0,343

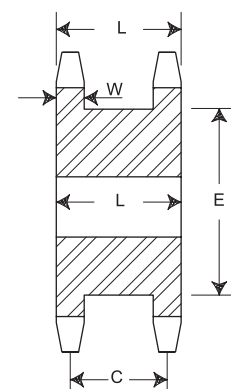


**MST  
Type B**

# NO 60 3/4" PITCH DOUBLE SINGLE

**Type A**

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W Nom.	Kgs	Lbs	
13	3,490	3,134	TL-DS60A13	3/4	1 1/4	1 15/16	1 31/64	2 11/32	0,459	1,179	2,6	
14	3,740	3,371	TL-DS60A14	3/4	1 5/16	1 15/16	1 31/64	2 9/16	0,459	1,451	3,2	
15	3,980	3,607	TL-DS60A15	3/4	1 1/2	1 15/16	1 31/64	2 7/8	0,459	1,724	3,8	
16	4,220	3,844	TL-DS60A16	3/4	1 11/16	1 15/16	1 31/64	3 3/64	0,459	2,041	4,5	
17	4,460	4,082	TL-DS60A17	3/4	1 3/4	1 15/16	1 31/64	3 1/4	0,459	2,404	5,3	
18	4,700	4,319	TL-DS60A18	3/4	1 7/8	1 15/16	1 31/64	3 1/2	0,459	2,948	6,5	
19	4,950	4,557	TL-DS60A19	3/4	2 1/16	1 15/16	1 31/64	3 45/64	0,459	3,084	6,8	
20	5,190	4,794	TL-DS60A20	3/4	2 1/4	1 15/16	1 31/64	3 61/64	0,459	3,175	7,0	
21	5,430	5,032	TL-DS60A21	3/4	2 3/4	1 15/16	1 31/64	4 3/16	0,459	3,402	7,5	
22	5,670	5,270	TL-DS60A22	3/4	2 3/4	1 15/16	1 31/64	4 7/16	0,459	4,990	11,0	
23	5,910	5,508	TL-DS60A23	3/4	2 3/4	1 15/16	1 31/64	4 21/32	0,459	5,216	11,5	
24	6,150	5,749	TL-DS60A24	3/4	2 3/4	1 15/16	1 31/64	4 29/32	0,459	5,443	12,0	



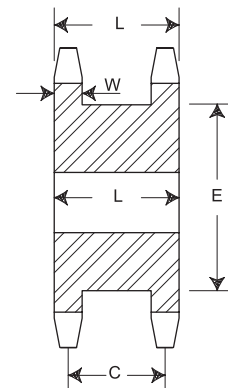
**Type A**

# NO 60 3/4" PITCH DOUBLE SINGLE. TYPE TAPER BUSH

Taper Bushed

Type A

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch			Min	Max	L1	C	E	L2	W Nom.	Kgs	Lbs
16	4,220	3,844	1615	TL-DS60ATB16	1/2	1 5/8	1 15/16	1 31/64	2 63/64	1 1/2	0,459	2,041	4,5
17	4,460	4,002	1615	TL-DS60ATB17	1/2	1 5/8	1 15/16	1 31/64	3 7/32	1 1/2	0,459	2,041	4,5
18	4,700	4,319	2012	TL-DS60ATB18	1/2	2	1 15/16	1 31/64	3 15/32	1 1/4	0,459	2,268	5,0
19	4,950	4,557	2012	TL-DS60ATB19	1/2	2	1 15/16	1 31/64	3 45/64	1 1/4	0,459	2,631	5,8
20	5,190	4,794	2517	TL-DS60ATB20	1/2	2 1/2	1 15/16	1 31/64	3 61/64	1 3/4	0,459	2,540	5,6
21	5,430	5,032	2517	TL-DS60ATB21	1/2	2 1/2	1 15/16	1 31/64	4 3/16	1 3/4	0,459	2,903	6,4
23	5,910	5,508	2517	TL-DS60ATB23	1/2	2 1/2	1 15/16	1 31/64	4 43/64	1 3/4	0,459	3,311	7,3
24	6,150	5,746	2517	TL-DS60ATB24	1/2	2 1/2	1 15/16	1 31/64	4 29/32	1 3/4	0,459	3,719	8,2

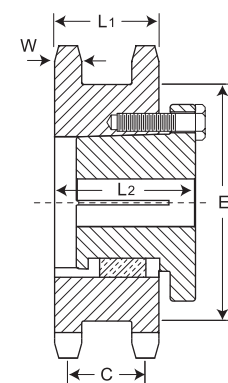


Type A

# NO 60 3/4" PITCH DOUBLE SINGLE. TYPE SPLIT TAPER

Type Split Taper

NO TEETH	DIAMETER		REFERENCE	BUSH SIZE	BORE	TYPE	BORE	DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch						Min	Max	L1	C	E	L2	W
17	4,460	4,002	TL-DS60ST17	P1	1/2	B	1 3/4	1 15/16	1 31/64	3 7/32	1 15/16	0,459	1,769	3,9
19	4,950	4,557	TL-DS60ST19	P1	1/2	B	1 3/4	1 15/16	1 31/64	3 45/64	1 15/16	0,459	2,404	5,3
21	5,430	5,032	TL-DS60ST21	Q1	3/4	B	2 11/16	1 15/16	1 31/64	4 3/16	2 1/2	0,459	2,449	5,4
22	5,670	5,270	TL-DS60ST22	Q1	3/4	B	2 11/16	1 15/16	1 31/64	4 3/16	2 1/2	0,459	2,812	6,2
23	5,910	5,508	TL-DS60ST23	Q1	3/4	B	2 11/16	1 15/16	1 31/64	4 3/16	2 1/2	0,459	3,130	6,9
24	6,150	5,746	TL-DS60ST24	Q1	3/4	B	2 11/16	1 15/16	1 31/64	4 3/16	2 1/2	0,459	3,447	7,6

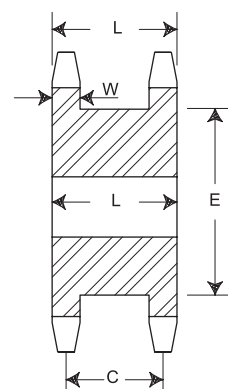


MST Type B

# NO 80 1" PITCH DOUBLE SINGLE

Type A

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W Nom.	Kgs	Lbs	
13	4,660	4,179	TL-DS80A13	1	2	2 3/16	1 5/8	3 1/64	0,575	2,948	6,5	
14	4,980	4,494	TL-DS80A14	1	2 1/4	2 3/16	1 5/8	3 11/32	0,575	3,493	7,7	
15	5,300	4,810	TL-DS80A15	1	2 3/8	2 3/16	1 5/8	3 13/16	0,575	4,128	9,1	
16	5,630	5,126	TL-DS80A16	1	2 11/16	2 3/16	1 5/8	4	0,575	4,309	9,5	
17	5,950	5,442	TL-DS80A17	1	2 13/16	2 3/16	1 5/8	4 5/16	0,575	4,899	10,8	
18	6,270	5,759	TL-DS80A18	1	3 1/8	2 3/16	1 5/8	4 41/64	0,575	5,488	12,1	
19	6,590	6,076	TL-DS80A19	1	3 1/4	2 3/16	1 5/8	4 61/64	0,575	5,806	12,8	
20	6,910	6,392	TL-DS80A20	1	3 1/2	2 3/16	1 5/8	5 9/32	0,575	6,350	14,0	
21	7,240	6,710	TL-DS80A21	1	3 3/4	2 3/16	1 5/8	5 19/32	0,575	7,484	16,5	
22	7,560	7,027	TL-DS80A22	1	3 7/8	2 3/16	1 5/8	5 59/64	0,575	8,346	18,4	
23	7,880	7,344	TL-DS80A23	1	3 7/8	2 3/16	1 5/8	6 15/64	0,575	9,299	20,5	



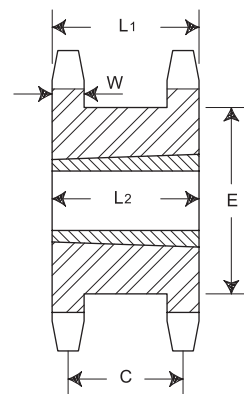
Type A

# NO 80 1" PITCH DOUBLE SINGLE. TYPE TAPER BUSH

## Taper Bushed

## Type A

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch			Min	Max	L1	C	E	L2	W Nom.	Kgs	Lbs
17	5,950	5,442	2517	TL-DS80ATB17	1/2	2 1/2	2 3/16	1 5/8	4 5/16	1 3/4	0,575	3,447	7,6
18	6,270	5,759	2517	TL-DS80ATB18	1/2	2 1/2	2 3/16	1 5/8	4 41/64	1 3/4	0,575	3,946	8,7
19	6,590	6,076	3020	TL-DS80ATB19	15/16	3	2 3/16	1 5/8	4 41/64	2	0,575	4,400	9,7
20	6,910	6,392	3020	TL-DS80ATB20	15/16	3	2 3/16	1 5/8	5 9/32	2	0,575	4,536	10,0
21	7,240	6,710	3020	TL-DS80ATB21	15/16	3	2 3/16	1 5/8	5 19/32	2	0,575	5,443	12,0
22	7,560	7,027	3020	TL-DS80ATB22	15/16	3	2 3/16	1 5/8	5 59/64	2	0,575	5,897	13,0
23	7,880	7,344	3020	TL-DS80ATB23	15/16	3	2 3/16	1 5/8	6 15/84	2	0,575	6,577	14,5

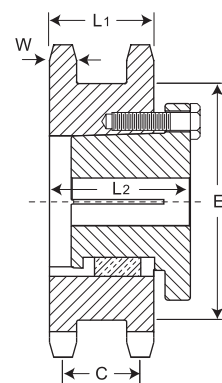


**TAPER BUSH  
Type A**

# NO 80 1" PITCH DOUBLE SINGLE. TYPE SPLIT TAPER

## Type Split Taper

NO TEETH	DIAMETER		REFERENCE	BUSH SIZE	BORE	TYPE	BORE	DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch						Min	Max	L1	C	E	L2	W
17	5,950	5,442	TL-DS80ST17	Q1	3/4	B	2 11/16	2 3/16	1 5/8	4 5/16	3 15/64	0,575	3,266	7,2
19	6,590	6,076	TL-DS80ST19	Q1	3/4	B	2 11/16	2 3/16	1 5/8	4 61/64	3 15/64	0,575	4,763	10,5
20	6,910	6,392	TL-DS80ST20	Q1	3/4	B	2 11/16	2 3/16	1 5/8	5 9/32	3 15/64	0,575	5,534	12,2
21	7,240	6,710	TL-DS80ST21	R1	1 1/8	B	3 3/4	2 3/16	1 5/8	5 19/32	3 23/64	0,575	5,806	12,8
23	7,880	7,344	TL-DS80ST23	R1	1 1/8	B	3 3/4	2 3/16	1 5/8	6 15/64	3 23/64	0,575	6,033	13,3

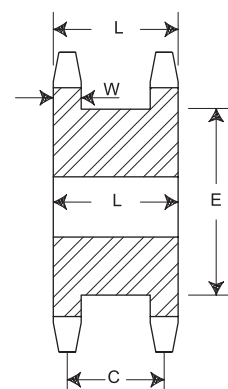


**MST  
Type B**

# NO 100 1 1/4" PITCH DOUBLE SINGLE

## Type A

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W	Kgs	Lbs	
13	5,820	5,223	TL-DS100A13	1	2 1/2	2 11/16	2	3 23/32	0,692	5,080	11,2	
14	6,230	5,617	TL-DS100A14	1 1/4	2 3/4	2 11/16	2	4 3/16	0,692	6,123	13,5	
15	6,630	6,012	TL-DS100A15	1 1/4	3 1/16	2 11/16	2	4 19/32	0,692	7,620	16,8	
16	7,030	6,407	TL-DS100A16	1 1/4	3 1/4	2 11/16	2	5	0,692	8,754	19,3	
17	7,440	6,803	TL-DS100A17	1 1/4	3 5/8	2 11/16	2	5 13/32	0,692	9,752	21,5	
18	7,840	7,198	TL-DS100A18	1 1/4	3 3/4	2 11/16	2	5 51/64	0,692	10,433	23,0	
19	8,240	7,595	TL-DS100A19	1 1/4	4 3/16	2 11/16	2	6 13/64	0,692	11,340	25,0	
20	8,640	7,991	TL-DS100A20	1 1/4	4 3/16	2 11/16	2	6 32/64	0,692	12,020	26,5	
21	9,040	8,387	TL-DS100A21	1 1/4	5 1/4	2 11/16	2	7	0,692	13,154	29,0	



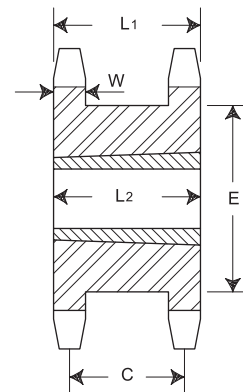
**Type A**

# NO 100 1 1/4" PITCH DOUBLE SINGLE. TYPE TAPER BUSH

**Taper Bushed**

**Type A**

NO TEETH	DIAMETER		BUSHING	REFERENCE	BORE (Inch)		DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch			Min	Max	L1	C	E	L2	W	Kgs	Lbs
15	6,630	6,012	2517	TL-DS100ATB15	3/4	2 1/2	2 11/16	2	4 19/32	1 3/4	0,692	5,670	12,5
16	7,030	6,407	2517	TL-DS100ATB16	3/4	2 1/2	2 11/16	2	5	1 3/4	0,692	5,897	13,0
17	7,440	6,803	3020	TL-DS100ATB17	15/16	3	2 11/16	2	5 13/32	2	0,692	6,350	14,0
18	7,840	7,198	3020	TL-DS100ATB18	15/16	3	2 11/16	2	5 51/64	2	0,692	7,257	16,0
19	8,240	7,595	3020	TL-DS100ATB19	15/16	3	2 11/16	2	6 13/64	2	0,692	9,072	20,0
20	8,640	7,991	3020	TL-DS100ATB20	15/16	3	2 11/16	2	6 39/64	1 3/4	0,692	12,474	27,5
21	9,040	8,387	3020	TL-DS100ATB21	15/16	3	2 11/16	2	7	2	0,692	12,474	27,5

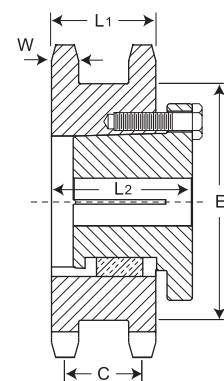


**TAPER BUSH  
Type A**

# NO 100 1 1/4" PITCH DOUBLE SINGLE. TYPE SPLIT TAPER

**Type Split Taper**

NO TEETH	DIAMETER		REFERENCE	BUSH SIZE	BORE	TYPE	BORE	DIMENSIONS					WEIGHT RIM	
	OD Inch	Pitch Inch						Min	Max	L1	C	E	L2	W
17	7,440	6,803	TL-DS100ST17	R1	1 1/8	B	3 3/4	2 11/16	2	5 13/32	3 27/32	0,692	5,670	12,5
19	8,240	5,595	TL-DS100ST19	R1	1 1/8	B	3 3/4	2 11/16	2	6 13/64	3 27/32	0,692	8,528	18,8
21	9,040	8,397	TL-DS100ST21	R1	1 1/8	B	3 3/4	2 11/16	2	7	3 27/32	0,692	10,478	23,1

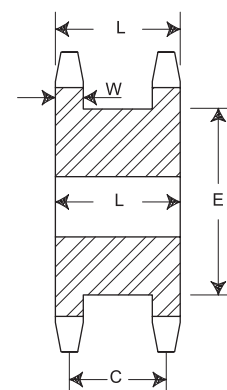


**MST  
Type B**

# NO 120 1 1/2" PITCH DOUBLE SINGLE

**Type A**

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS				WEIGHT RIM	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W	Kgs	Lbs
15	7,960	7,215	TL-DS120A15	1 7/16	3 3/4	3 11/32	2 7/16	5 32/64	0,924	13,608	30,0
16	8,440	7,689	TL-DS120A16	1 7/16	4	3 11/32	2 7/16	6	0,924	15,422	34,0
17	8,920	8,163	TL-DS120A17	1 7/16	4 7/16	3 11/32	2 7/16	6 31/64	0,924	16,783	37,0
18	9,410	8,638	TL-DS120A18	1 7/16	5 3/16	3 11/32	2 7/16	6 31/64	0,924	19,051	42,0
19	9,890	9,113	TL-DS120A19	1 7/16	5 1/2	3 11/32	2 7/16	7 29/64	0,924	21,319	47,0
20	10,370	9,589	TL-DS120A20	1 7/16	5 15/16	3 11/32	2 7/16	7 15/16	0,924	23,133	51,0

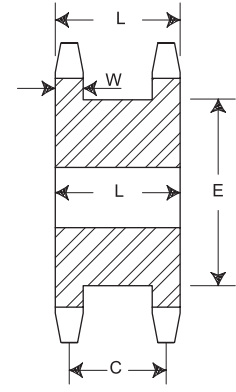


**Type A**

# NO 140 1 3/4" PITCH DOUBLE SINGLE

## Type A

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS				WEIGHT RIM	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W	Kgs	Lbs
14	8,720	7,864	TL-DS140A14	1 7/16	3 7/8	3 39/64	2 11/16	5 7/8	0,924	15,876	35,0
15	9,280	8,417	TL-DS140A15	1 7/16	4 7/16	3 39/64	2 11/16	6 29/64	0,924	19,504	43,0
16	9,850	8,970	TL-DS140A16	1 7/16	5 1/4	3 39/64	2 11/16	7 1/64	0,924	22,226	49,0
17	10,410	9,524	TL-DS140A17	1 7/16	5 9/16	3 39/64	2 11/16	7 37/64	0,924	26,308	58,0
18	10,980	10,078	TL-DS140A18	1 7/16	6 1/8	3 39/64	2 11/16	8 9/64	0,924	29,937	66,0

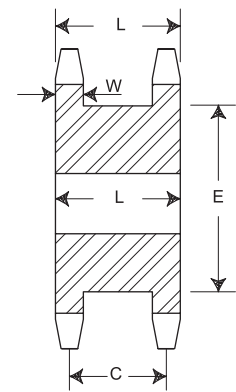


Type A

# NO 160 2" PITCH DOUBLE SINGLE

## Type A

NO TEETH	DIAMETER		REFERENCE	BORE (Inch)		DIMENSIONS				WEIGHT RIM	
	OD Inch	Pitch Inch		Min	Max	L	C	E	W	Kgs	Lbs
15	10,609	9,620	TL-DS160A15	1 11/16	5 1/2	4 1/4	3 3/32	7 3/8	1,156	31,298	69,0
16	11,255	10,252	TL-DS160A16	1 11/16	6	4 1/4	3 3/32	8 1/64	1,156	34,019	75,0
17	11,899	10,885	TL-DS160A17	1 11/16	6 1/2	4 1/4	3 3/32	8 21/32	1,156	41,730	92,0
18	12,543	11,518	TL-DS160A18	1 11/16	6 13/16	4 1/4	3 3/32	9 5/16	1,156	43,998	97,0



Type A

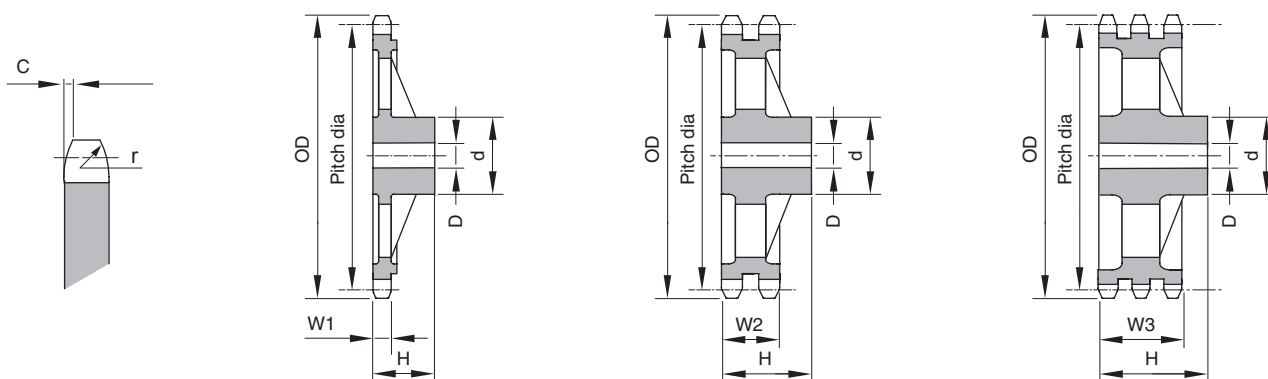
# IF. CASTING SPROCKETS

## Basics

Iron Casting Sprockets are made out under the standard DIN EN 1561 which specifies the properties and grades of the casting alloy of iron and carbon. The grade used in our iron casting sprockets is the EN-GJL-200 which designation supercedes the grade used previously by DIN 1691, GG20<sup>1</sup>.

The properties of this casting are very appropriate for big size sprockets. Our program starts with 37 teeth up to 114, in two versions, the MPB, that is the Minimum Plain Bore which can be easily customized according to the shaft to be fit to and the Taper Bush which measurements and other details are displayed in the tables ahead.

## IF1. SPROCKETS MPB



## NO 06B-1 3/8" (9,525 mm) PITCH NO 06B-2 3/8" (9,525 mm) PITCH NO 06B-3 3/8" (9,525 mm) PITCH

### CHAIN

Chain pitch: 9,525 mm  
Roller width: 5,720 mm  
Roller diameter: 6,350 mm

### SPROCKET

Tooth width W1: 5,200 mm  
Tooth width thru W2: 15,400 mm  
Tooth width thru W3: 25,600 mm

r: 10 mm  
C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	119,5	115,34	TL-06B-SCS38	70	19	32	TL-06B-2CS38	80	19	40	TL-06B-3CS38	90	23	56
45	140,7	136,54	TL-06B-SCS45	70	19	32	TL-06B-2CS45	80	19	40	TL-06B-3CS45	90	23	56
57	176,9	172,91	TL-06B-SCS57	70	19	32	TL-06B-2CS57	80	19	40	TL-06B-3CS57	90	23	56
76	234,9	230,49	TL-06B-SCS76	70	19	32	TL-06B-2CS76	80	19	40	TL-06B-3CS76	100	23	56
95	292,5	288,08	TL-06B-SCS95	80	19	40	TL-06B-2CS95	90	19	45	TL-06B-3CS95	100	23	56
114	349,6	345,68	TL-06B-SCS114	80	19	40	TL-06B-2CS114	95	19	45	TL-06B-3CS114	100	23	56
150	459,2	454,82	TL-06B-SCS150	90	23	45	TL-06B-2CS150	100	23	50	TL-06B-3CS150	125	23	60

<sup>1</sup> See page number M5 in Materials, Treatments and Coatings.

# NO 08B-1 1/2" (12,700 mm) PITCH

# NO 08B-2 1/2" (12,700 mm) PITCH

# NO 08B-3 1/2" (12,700 mm) PITCH

## CHAIN

Chain pitch: 12,700 mm  
 Roller width: 7,750 mm  
 Roller diameter: 8,510 mm

## SPROCKET

Tooth width W1: 7,200 mm  
 Tooth width thru W2: 21,000 mm  
 Tooth width thru W3: 34,900 mm

r: 10 mm  
 C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	158,6	153,80	TL-08B-SCS38	70	19	40	TL-08B-SCS38	90	23	50	TL-08B-3CS38	100	23	60
45	188,0	182,07	TL-08B-SCS45	70	19	40	TL-08B-SCS45	90	23	50	TL-08B-3CS45	100	23	60
57	236,4	230,54	TL-08B-SCS57	70	19	40	TL-08B-SCS57	90	23	50	TL-08B-3CS57	100	23	60
76	313,3	307,33	TL-08B-SCS76	80	23	40	TL-08B-SCS76	100	23	56	TL-08B-3CS76	100	23	60
95	390,1	384,11	TL-08B-SCS95	80	23	45	TL-08B-SCS95	100	23	56	TL-08B-3CS95	120	23	67
114	466,9	460,90	TL-08B-SCS114	80	23	45	TL-08B-SCS114	100	23	63	TL-08B-3CS114	120	23	67

# NO 10B-1 5/8" (15,875 mm) PITCH

# NO 10B-2 5/8" (15,875 mm) PITCH

# NO 10B-3 5/8" (15,875 mm) PITCH

## CHAIN

Chain pitch: 15,875 mm  
 Roller width: 9,650 mm  
 Roller diameter: 10,160 mm

## SPROCKET

Tooth width W1: 9,100 mm  
 Tooth width thru W2: 25,500 mm  
 Tooth width thru W3: 42,100 mm

r: 10 mm  
 C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	199,2	192,24	TL-10B-SCS38	80	19	40	TL-10B-2CS38	100	29	50	TL-10B-3CS38	100	31	60
45	235,0	277,58	TL-10B-SCS45	80	19	40	TL-10B-2CS45	100	29	50	TL-10B-3CS45	100	31	60
57	296,0	288,18	TL-10B-SCS57	90	23	45	TL-10B-2CS57	100	29	56	TL-10B-3CS57	100	31	63
76	392,1	384,16	TL-10B-SCS76	90	23	50	TL-10B-2CS76	100	29	63	TL-10B-3CS76	110	34	67
95	488,5	480,14	TL-10B-SCS95	100	23	56	TL-10B-2CS95	110	29	63	TL-10B-3CS95	125	34	70
114	584,1	576,13	TL-10B-SCS114	100	23	56	TL-10B-2CS114	125	29	70	TL-10B-3CS114	125	34	80

# NO 12B-1 3/4" (19,050 mm) PITCH

# NO 12B-2 3/4" (19,050 mm) PITCH

# NO 12B-3 3/4" (19,050 mm) PITCH

## CHAIN

Chain pitch: 19,050 mm  
 Roller width: 11,680 mm  
 Roller diameter: 12,070 mm

## SPROCKET

Tooth width W1: 11,100 mm  
 Tooth width thru W2: 30,300 mm  
 Tooth width thru W3: 49,800 mm

r: 10 mm  
 C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	239,0	230,69	TL-12B-SCS38	100	23	56	TL-12B-2CS38	110	29	63	TL-12B-3CS38	140	30	70
45	282,5	273,10	TL-12B-SCS45	100	23	56	TL-12B-2CS45	110	29	63	TL-12B-3CS45	140	30	70
57	355,4	345,81	TL-12B-SCS57	100	29	56	TL-12B-2CS57	120	29	63	TL-12B-3CS57	140	39	70
76	469,9	460,99	TL-12B-SCS76	100	29	56	TL-12B-2CS76	135	29	63	TL-12B-3CS76	160	39	75
95	585,1	576,17	TL-12B-SCS95	100	29	65	TL-12B-2CS95	135	29	70	TL-12B-3CS95	170	39	82
114	700,6	691,36	TL-12B-SCS114	100	29	65	TL-12B-2CS114	135	29	70	TL-12B-3CS114	170	49	82

# NO 16B-1 1" (25,400 mm) PITCH

# NO 16B-2 1" (25,400 mm) PITCH

# NO 16B-3 1" (25,400 mm) PITCH

## CHAIN

Chain pitch: 25,400 mm  
 Roller width: 17,020 mm  
 Roller diameter: 15,880 mm

## SPROCKET

Tooth width W1: 16,200 mm  
 Tooth width thru W2: 47,700 mm  
 Tooth width thru W3: 79,600 mm  
 r: 10 mm  
 C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	320,0	307,59	TL-16B-SCS38	110	29	65	TL-16B-2CS38	140	39	75	TL-16B-3CS38	160	44	100
45	377,1	364,12	TL-16B-SCS45	125	29	70	TL-16B-2CS45	150	39	75	TL-16B-3CS45	160	44	100
57	474,0	461,07	TL-16B-SCS57	125	34	70	TL-16B-2CS57	170	39	90	TL-16B-3CS57	165	44	100
76	627,0	614,65	TL-16B-SCS76	140	34	80	TL-16B-2CS76	175	39	95	TL-16B-3CS76	200	44	110
95	781,1	768,22	TL-16B-SCS95	140	39	80	TL-16B-2CS95	175	44	95	TL-16B-3CS95	200	49	110
114	934,3	921,81	TL-16B-SCS114	140	39	80	TL-16B-2CS114	175	44	95	TL-16B-3CS114	200	49	115

# NO 20B-1 1 1/4" (31,750 mm) PITCH

# NO 20B-2 1 1/4" (31,750 mm) PITCH

# NO 20B-3 1 1/4" (31,750 mm) PITCH

## CHAIN

Chain pitch: 31,750 mm  
 Roller width: 19,560 mm  
 Roller diameter: 19,0500 mm

## SPROCKET

Tooth width W1: 18,500 mm  
 Tooth width thru W2: 54,600 mm  
 Tooth width thru W3: 91,000 mm  
 r: 10 mm  
 C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	399,6	384,49	TL-20B-SCS38	125	35	70	TL-20B-2CS38	140	44	90	TL-20B-3CS38	180	56	110
45	470,3	455,17	TL-20B-SCS45	125	35	70	TL-20B-2CS45	140	44	90	TL-20B-3CS45	180	56	110
57	591,5	576,36	TL-20B-SCS57	135	40	80	TL-20B-2CS57	160	50	100	TL-20B-3CS57	180	60	125
76	783,5	768,32	TL-20B-SCS76	140	40	90	TL-20B-2CS76	180	50	100	TL-20B-3CS76	200	60	140

# NO 24B-1 1 1/2" (38,100 mm) PITCH

# NO 24B-2 1 1/2" (38,100 mm) PITCH

# NO 24B-3 1 1/2" (38,100 mm) PITCH

## CHAIN

Chain pitch: 15,875 mm  
 Roller width: 9,650 mm  
 Roller diameter: 10,160 mm

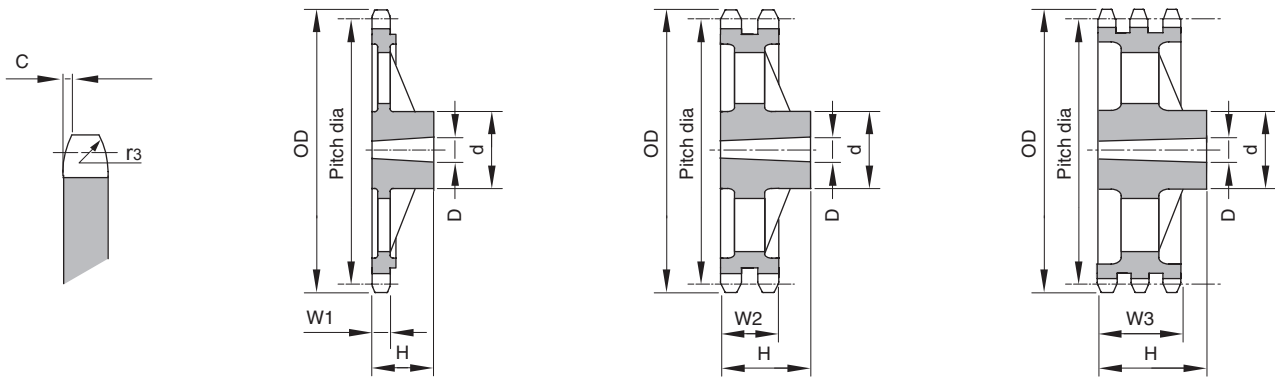
## SPROCKET

Tooth width W1: 9,000 mm  
 Tooth width thru W2: 25,500 mm  
 Tooth width thru W3: 42,100 mm  
 r: 10 mm  
 C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	H		d	D	H		d	D	H
38	476,2	461,39	TL-24B-SCS38	140	45	90	TL-24B-2CS38	180	45	100	TL-24B-3CS38	200	60	150
45	561,2	546,20	TL-24B-SCS45	140	45	90	TL-24B-2CS45	180	45	100	TL-24B-3CS45	200	60	150
57	706,5	691,63	TL-24B-SCS57	160	45	100	TL-24B-2CS57	200	55	110	TL-24B-3CS57	200	70	150
76	936,9	921,98	TL-24B-SCS76	170	45	100	TL-24B-2CS76	220	55	120	TL-24B-3CS76	250	70	150
95	1167,3	1152,33	TL-24B-SCS95	200	50	125	TL-24B-2CS95	220	55	140				



## IF2. ISO SPROCKETS TAPER BUSH



### NO 06B-1 3/8" (9,525 mm) PITCH NO 06B-2 3/8" (9,525 mm) PITCH NO 06B-3 3/8" (9,525 mm) PITCH

#### CHAIN

Chain pitch: 9,525 mm  
Roller width: 5,720 mm  
Roller diameter: 6,350 mm

#### SPROCKET

Tooth width W1: 5,200 mm  
Tooth width thru W2: 15,400 mm  
Tooth width thru W3: 25,600 mm  
r: 10 mm  
C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	H	Bush		d	H	Bush		d	H	Bush
45	140,7	136,54	TL-06B-TBSCS45	70	25	1210	TL-06B-2TBSCS45	80	25	1610	TL-06B-3TBSCS45	80	38	1615
57	176,9	172,91	TL-06B-TBSCS57	83	25	1210	TL-06B-2TBSCS57	90	25	1610	TL-06B-3TBSCS57	90	38	1615
76	234,9	230,49	TL-06B-TBSCS76	83	25	1210	TL-06B-2TBSCS76	90	25	1610	TL-06B-3TBSCS76	111	32	2012
95	292,5	288,08	TL-06B-TBSCS95	83	25	1210	TL-06B-2TBSCS95	90	25	1610	TL-06B-3TBSCS95	111	32	2012
114	349,6	345,68	TL-06B-TBSCS114	83	38	1215	TL-06B-2TBSCS114	90	38	1615	TL-06B-3TBSCS114	111	32	2012

### NO 08B-1 1/2" (12,700 mm) PITCH NO 08B-2 1/2" (12,700 mm) PITCH NO 08B-3 1/2" (12,700 mm) PITCH

#### CHAIN

Chain pitch: 12,700 mm  
Roller width: 7,7500 mm  
Roller diameter: 8,5100 mm

#### SPROCKET

Tooth width W1: 7,200 mm  
Tooth width thru W2: 121,000 mm  
Tooth width thru W3: 34,900 mm  
r: 10 mm  
C: 1 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	H	Bush		d	H	Bush		d	H	Bush
45	188,0	182,07	TL-08B-TBSCS45	100	32	2012	TL-08B-2TBSCS45	100	32	2012	TL-08B-3TBSCS45	118	45	2517
57	236,4	230,54	TL-08B-TBSCS57	111	32	2012	TL-08B-2TBSCS57	111	32	2012	TL-08B-3TBSCS57	124	45	2517
76	313,3	307,33	TL-08B-TBSCS76	111	32	2012	TL-08B-2TBSCS76	111	32	2012	TL-08B-3TBSCS76	124	45	2517
95	390,1	384,11	TL-08B-TBSCS95	111	32	2012	TL-08B-2TBSCS95	111	32	2012	TL-08B-3TBSCS95	160	51	3020
114	466,9	460,90	TL-08B-TBSCS114	124	45	2517	TL-08B-2TBSCS114	124	45	2517	TL-08B-3TBSCS114	160	51	3020

# NO 10B-1 5/8" (15,875 mm) PITCH NO 10B-2 5/8" (15,875 mm) PITCH NO 10B-3 5/8" (15,875 mm) PITCH

## CHAIN

Chain pitch: 15,875 mm  
Roller width: 9,650 mm  
Roller diameter: 10,160 mm

## SPROCKET

Tooth width W1: 9,100 mm      r: 10 mm  
Tooth width thru W2: 25,500 mm      C: 1 mm  
Tooth width thru W3: 42,100 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	H	Bush		d	H	Bush		d	H	Bush
45	235,0	227,58	TL-10B-TBSCS45	100	32	2012	TL-10B-2TBCS45	110	45	2517	TL-10B-3TBCS45	118	64	2525
57	269,0	288,18	TL-10B-TBSCS57	111	32	2012	TL-10B-2TBCS57	124	45	2517	TL-10B-3TBCS57	160	51	3020
76	392,1	384,16	TL-10B-TBSCS76	11	32	2012	TL-10B-2TBCS76	160	51	3020	TL-10B-3TBCS76	160	51	3020
95	488,5	480,14	TL-10B-TBSCS95	124	45	2517	TL-10B-2TBCS95	160	51	3020	TL-10B-3TBCS95	160	51	3020
114	584,1	576,13	TL-10B-TBSCS114	124	45	2517	TL-10B-2TBCS114	160	51	3020	TL-10B-3TBCS114	160	51	3020

# NO 12B-1 3/4" (19,050 mm) PITCH NO 12B-2 3/4" (19,050 mm) PITCH NO 12B-3 3/4" (19,050 mm) PITCH

## CHAIN

Chain pitch: 19,050 mm  
Roller width: 11,680 mm  
Roller diameter: 12,070 mm

## SPROCKET

Tooth width W1: 11,100 mm      r: 10 mm  
Tooth width thru W2: 30,300 mm      C: 1 mm  
Tooth width thru W3: 49,800 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	H	Bush		d	H	Bush		d	H	Bush
45	282,5	273,10	TL-12B-TBSCS45	118	45	2517	TL-12B-2TBCS45	154	51	3020	TL-12B-3TBCS45	160	51	3020
57	355,4	345,81	TL-12B-TBSCS57	124	45	2517	TL-12B-2TBCS57	160	51	3020	TL-12B-3TBCS57	160	51	3020
76	469,9	460,99	TL-12B-TBSCS76	124	45	2517	TL-12B-2TBCS76	160	51	3020	TL-12B-3TBCS76	160	51	3020
95	585,1	576,17	TL-12B-TBSCS95	124	45	2517	TL-12B-2TBCS95	160	51	3020	TL-12B-3TBCS95	160	76	3030
114	700,6	691,36	TL-12B-TBSCS114	124	64	2517	TL-12B-2TBCS114	160	76	3030	TL-12B-3TBCS114	160	76	3030

# NO 16B-1 1" (25,400 mm) PITCH NO 16B-2 1" (25,400 mm) PITCH NO 16B-3 1" (25,400 mm) PITCH

## CHAIN

Chain pitch: 25,400 mm  
Roller width: 17,020 mm  
Roller diameter: 15,880 mm

## SPROCKET

Tooth width W1: 16,200 mm      r: 10 mm  
Tooth width thru W2: 47,700 mm      C: 1 mm  
Tooth width thru W3: 79,600 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	H	Bush		d	H	Bush		d	H	Bush
38	320,0	307,59	TL-16B-TBSCS38	160	51	3020	TL-16B-2TBCS38	160	76	3030	TL-16B-3TBCS38	178	89	3535
45	377,1	364,12	TL-16B-TBSCS45	160	51	3020	TL-16B-2TBCS45	160	76	3030	TL-16B-3TBCS45	216	102	4040
57	474,0	461,07	TL-16B-TBSCS57	160	51	3020	TL-16B-2TBCS57	175	89	3535	TL-16B-3TBCS57	216	102	4040
76	627,0	614,65	TL-16B-TBSCS76	160	51	3020	TL-16B-2TBCS76	175	89	3535	TL-16B-3TBCS76	216	102	4040
95	781,1	768,22	TL-16B-TBSCS95	160	51	3020	TL-16B-2TBCS95	215	102	4040	TL-16B-3TBCS95	240	102	4040
114	934,3	921,81	TL-16B-TBSCS114	160	76	3030	TL-16B-2TBCS114	215	102	4040	TL-16B-3TBCS114	240	114	4545

# NO 20B-1 1 1/4" (31,750 mm) PITCH NO 20B-2 1 1/4" (31,750 mm) PITCH NO 20B-3 1 1/4" (31,750 mm) PITCH

## CHAIN

Chain pitch: 31,750 mm  
Roller width: 19,560 mm  
Roller diameter: 19,050 mm

## SPROCKET

Tooth width W1: 18,500 mm      r: 10 mm  
Tooth width thru W2: 54,600 mm      C: 1 mm  
Tooth width thru W3: 91,000 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	D	Bush		d	D	Bush		d	D	Bush
38	399,6	384,49	TL-20B-TBSCS38	160	51	3020	TL-20B-2TBSCS38	160	76	3030	TL-20B-2TBSCS38	178	89	3535
45	470,3	455,17	TL-20B-TBSCS45	160	51	3020	TL-20B-2TBSCS45	160	76	3030	TL-20B-2TBSCS45	216	102	4040
57	591,5	576,36	TL-20B-TBSCS57	160	51	3020	TL-20B-2TBSCS57	175	89	3535	TL-20B-2TBSCS57	216	102	4040
76	783,5	768,32	TL-20B-TBSCS76	160	51	3020	TL-20B-2TBSCS76	175	89	3535	TL-20B-2TBSCS76	240	102	4040
95	975,2	960,28	TL-20B-TBSCS95	160	76	3030	TL-20B-2TBSCS95	240	102	4040	TL-20B-2TBSCS95	260	114	4545
114	1167,4	1152,26	TL-20B-TBSCS114	240	102	4040	TL-20B-2TBSCS114	260	114	4545	TL-20B-2TBSCS114	278	127	5050

# NO 24B-1 1 1/2" (38,100 mm) PITCH NO 24B-2 1 1/2" (38,100 mm) PITCH NO 24B-3 1 1/2" (38,100 mm) PITCH

## CHAIN

Chain pitch: 38,100 mm  
Roller width: 25,400 mm  
Roller diameter: 25,400 mm

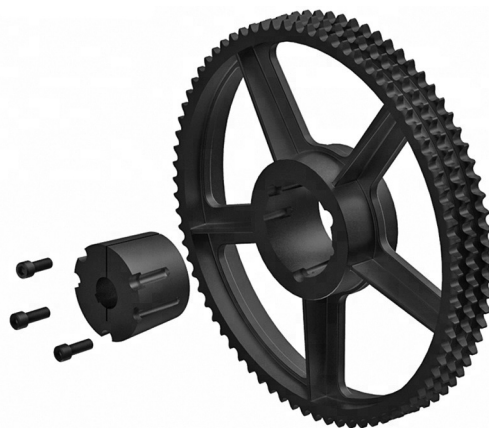
## SPROCKET

Tooth width W1: 24,100 mm      r: 10 mm  
Tooth width thru W2: 72,000 mm      C: 1 mm  
Tooth width thru W3: 120,300 mm

NO TEETH	DIAMETER		REFERENCE	SINGLE			REFERENCE	DOUBLE			REFERENCE	TRIPLE		
	OD mm	Pitch mm		d	H	Bush		d	H	Bush		d	H	Bush
30	379,5	364,50	TL-24B-3TBSCS30	160	76	3030	TL-24B-2TBSCS30	160	76	3030	TL-24B-TBSCS30	178	89	3535
38	476,2	461,39	TL-24B-3TBSCS38	160	76	3030	TL-24B-2TBSCS38	175	89	3535	TL-24B-TBSCS38	216	102	4040
45	561,2	546,20	TL-24B-3TBSCS45	160	76	3030	TL-24B-2TBSCS45	175	89	3535	TL-24B-TBSCS45	216	102	4040
57	706,5	691,63	TL-24B-3TBSCS57	160	76	3030	TL-24B-2TBSCS57	175	89	3535	TL-24B-TBSCS57	240	102	4040
76	936,9	921,98	TL-24B-3TBSCS76	160	76	3030	TL-24B-2TBSCS76	240	102	4040	TL-24B-TBSCS76	260	114	4545
95	1167,3	1152,33	TL-24B-3TBSCS95	260	114	4545	TL-24B-2TBSCS95	278	127	5050	TL-24B-TBSCS95	278	127	5050



Casting Single Sprocket  
RSB. Rough Stock Bore



Casting Triple Sprocket  
Taper Bush

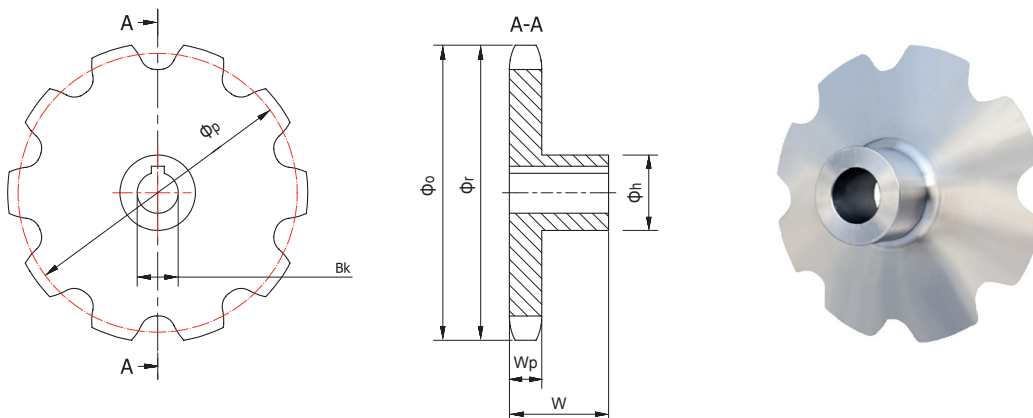
# IG. ROLLER CONVEYOR CHAIN SPROCKETS

Made under the Standards DIN 8165 versions 1, 2 and 3, 8166 and 8167 describing Solid bearing pin type FV\* conveyor chains and related sprockets, establishing the specific parameters for materials and construction.

In the tables ahead we display the most basic types, that is, Metric A type sprockets with pitches of up to 250 mm in C type sprockets.

We have an ample program of A, B and C type sprockets in both Metric and Imperial.

We can supply this range in inches type A plates and type C with pitches of 1,654 (1 2/3) inches to 9 inches pitch.



## Metric

REFERENCE NUMBER	PITCH	NUMBER OF TEETH	Φ <sub>p</sub>	Φ <sub>o</sub>	Φ <sub>r</sub>	CHAIN BUSH	Φ <sub>p</sub>	TOTAL WIDTH	PLATE WIDTH	BORE DIA
						d <sub>ia</sub>		W	W <sub>p</sub>	Bk
TL-FV63-63-10	63	10	203,87	221,87	185,87	18	"	110	20	30
TL-FV63-63-16	63	16	322,93	340,93	304,93	18	"	125	20	30
TL-FV63-63-24	63	24	482,66	500,66	464,66	18	"	135	20	40
TL-FV63-63-40	63	40	802,97	820,97	784,97	18	185,87	165	20	40
TL-FV63-100-8	100	8	261,31	279,31	243,31	18	190,00	120	20	30
TL-FV63-100-10	100	10	323,61	341,61	305,61	18	255,00	125	20	30
TL-FV63-100-16	100	16	512,58	530,58	494,58	18	440,00	145	20	40
TL-FV63-100-24	100	24	766,13	784,13	748,13	18	695,00	155	20	40
TL-FV63-125-8	125	8	326,64	344,64	308,64	18	255,00	125	20	40
TL-FV63-125-10	125	10	404,51	422,51	386,51	18	335,00	135	20	40
TL-FV63-125-12	125	12	482,96	500,96	464,96	18	410,00	135	20	40
TL-FV63-160-8	160	8	418,10	436,10	400,10	18	350,00	135	20	40
TL-FV63-160-10	160	10	517,78	535,78	499,78	18	448,00	145	20	40
TL-FV63-160-12	160	12	618,19	636,19	600,19	18	550,00	155	20	40
TL-FV90-63-10	63	10	203,87	223,87	183,87	20	"	120	21	30
TL-FV90-63-16	63	16	322,93	342,93	302,93	20	"	135	21	30
TL-FV90-63-24	63	24	482,66	502,66	462,66	20	"	145	21	40
TL-FV90-63-40	63	40	802,97	822,97	782,97	20	"	170	21	40
TL-FV90-100-7	100	7	230,48	250,48	210,48	20	140,00	125	21	30
TL-FV90-100-8	100	8	261,31	281,31	241,31	20	175,00	125	21	30
TL-FV90-100-10	100	10	323,61	343,61	303,61	20	240,00	135	21	30
TL-FV90-100-16	100	16	512,58	532,58	492,58	20	430,00	155	21	40
TL-FV90-100-24	100	24	766,13	786,13	746,13	20	680,00	165	21	40
TL-FV90-125-8	125	8	326,64	346,64	306,64	20	240,00	135	21	30
TL-FV90-125-10	125	10	404,51	424,51	384,51	20	320,00	145	21	30
TL-FV90-125-12	125	12	482,96	502,96	462,96	20	400,00	145	21	40
TL-FV90-160-8	160	8	418,10	438,10	398,10	20	330,00	145	21	40
TL-FV90-160-10	160	10	517,78	537,78	497,78	20	430,00	155	21	40
TL-FV90-160-12	160	12	618,19	638,19	598,19	20	530,00	165	21	50
TL-FV90-200-8	200	8	522,62	542,62	502,62	20	438,00	155	21	40
TL-FV90-200-10	200	10	647,22	667,22	627,22	20	560,00	160	21	40
TL-FV90-200-12	200	12	772,74	792,74	752,74	20	685,00	170	21	50
TL-FV90-250-8	250	8	653,28	673,28	633,28	20	570,00	165	21	40

\* See page H56 for FV Conveyor Chains.

REFERENCE NUMBER	PITCH	NUMBER OF TEETH	Do	Da1	Da2	CHAIN BUSH	HUB DIA	TOTAL WIDTH	PLATE WIDTH	BORE DIA
						dia	Dn		Ze	
TL-FV90-250-10	250	10	809,03	829,03	789,03	20	725,00	170	21	50
TL-FV90-250-12	250	12	965,93	985,93	945,93	20	880,00	170	21	50
TL-F112-100-8	100	8	261,31	283,31	239,31	22	165,00	125	27	30
TL-F112-100-10	100	10	323,61	345,61	301,61	22	225,00	145	27	30
TL-F112-100-16	100	16	512,58	534,58	490,58	22	415,00	165	27	40
TL-F112-100-24	100	24	766,13	788,13	744,13	22	660,00	170	27	40
TL-F112-125-8	125	8	326,64	348,64	304,64	22	230,00	145	27	30
TL-F112-125-10	125	10	404,51	426,51	382,51	22	310,00	155	27	30
TL-F112-125-12	125	12	482,96	504,96	460,96	22	385,00	155	27	40
TL-F112-160-8	160	8	418,10	440,10	396,10	22	320,00	155	27	40
TL-F112-160-10	160	10	517,78	539,78	495,78	22	420,00	165	27	40
TL-F112-160-12	160	12	618,19	640,19	596,19	22	520,00	170	27	40
TL-F112-200-8	200	8	522,62	544,62	500,62	22	425,00	165	27	40
TL-F112-200-10	200	10	647,22	669,22	625,22	22	550,00	170	27	40
TL-F112-200-12	200	12	772,74	794,74	750,74	22	675,00	170	27	50
TL-F140-100-8	100	8	261,31	287,31	235,31	26	"	125	32	30
TL-F140-100-10	100	10	323,61	349,61	297,61	26	"	155	32	30
TL-F140-100-16	100	16	512,58	538,58	486,58	26	"	170	32	40
TL-F140-125-8	125	8	326,64	352,64	300,64	26	220,00	155	32	30
TL-F140-125-10	125	10	404,51	430,51	378,51	26	295,00	165	32	30
TL-F140-125-12	125	12	482,96	508,96	456,96	26	375,00	165	32	40
TL-F140-160-8	160	8	41,10	67,10	15,10	26	310,00	165	32	40
TL-F140-160-10	160	10	517,78	543,78	491,78	26	410,00	170	32	40
TL-F140-160-12	160	12	618,19	644,19	592,19	26	510,00	180	32	40
TL-F140-200-8	200	8	522,62	548,62	496,62	26	410,00	170	32	40
TL-F140-200-10	200	10	647,22	673,22	621,22	26	540,00	180	32	50
TL-F140-200-12	200	12	772,74	798,74	746,74	26	660,00	180	32	50
TL-F140-250-8	250	8	653,28	679,28	627,28	26	540,00	180	32	50
TL-F140-250-10	250	10	809,03	835,03	783,03	26	700,00	190	32	50
TL-F140-250-12	250	12	965,93	991,93	939,93	26	860,00	200	32	50
TL-FV180-125-8	125	8	326,64	356,64	296,64	30	"	165	41	30
TL-FV180-125-10	125	10	404,51	434,51	374,51	30	"	170	41	30
TL-FV180-125-12	125	12	482,96	512,96	452,96	30	"	170	41	40
TL-FV180-160-8	160	8	418,10	448,10	388,10	30	285,00	165	41	40
TL-FV180-160-10	160	10	517,78	547,78	487,78	30	385,00	170	41	40
TL-FV180-160-12	160	12	618,19	648,19	588,19	30	485,00	180	41	40
TL-FV180-200-8	200	8	522,62	552,62	492,62	30	390,00	180	41	40
TL-FV180-200-10	200	10	647,22	677,22	617,22	30	515,00	190	41	40
TL-FV180-200-12	200	12	772,74	802,74	742,74	30	640,00	190	41	50
TL-FV180-250-8	250	8	653,28	683,28	623,28	30	520,00	190	41	60
TL-FV180-250-10	250	10	809,03	839,03	779,03	30	675,00	200	41	60
TL-FV180-250-12	250	12	965,93	995,93	935,93	30	835,00	210	41	60
TL-FV250-125-8	125	8	326,64	362,64	290,64	36	"	120	50	30
TL-FV250-125-10	125	10	404,51	440,51	368,51	36	"	190	50	30
TL-FV250-125-12	125	12	482,96	518,96	446,96	36	"	200	50	40
TL-FV250-160-8	160	8	418,10	454,10	382,10	36	245,00	190	50	40
TL-FV250-160-10	160	10	517,78	553,78	481,78	36	355,00	200	50	40
TL-FV250-160-12	160	12	618,19	654,19	582,19	36	455,00	210	50	40
TL-FV250-200-8	200	8	522,62	558,62	486,62	36	360,00	200	50	60
TL-FV250-200-10	200	10	647,22	683,22	611,22	36	485,00	210	50	60
TL-FV250-200-12	200	12	772,74	808,74	736,74	36	610,00	210	50	60
TL-FV250-250-8	250	8	653,28	689,28	617,28	36	490,00	210	50	60
TL-FV250-250-10	250	10	809,03	845,03	773,03	36	645,00	215	50	60
TL-FV250-250-12	250	12	865,93	901,93	829,93	36	800,00	225	50	60

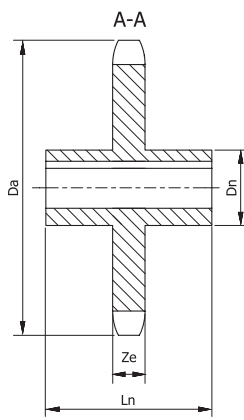
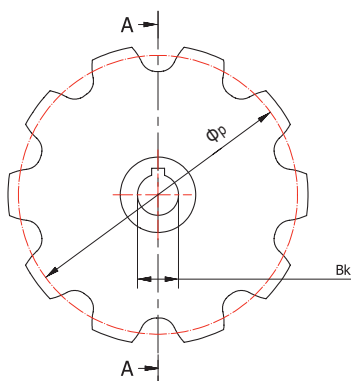
\* See page H56 for FV Conveyor Chains.

The Imperial Roller Conveyor Chain Sprockets program, covers pitches

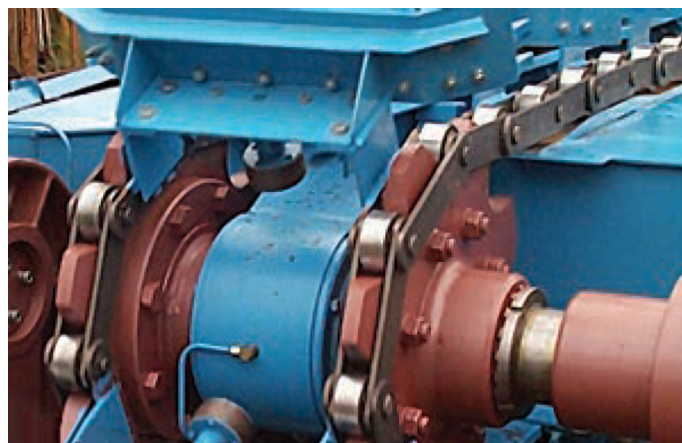
of 0,875" up to 9" as displayed hereunder.

*PITCH	ROLLER DIA	SPROCKET NUMBER OF TEETH																													
1,6540	0,8750	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	32	35	36	40	42	48	54	60
2,6090	0,8750	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	28	30									
3,0000	1,5000	8	9	10	11	12																									
3,0750	1,2500	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		28	30	32	35	36	40	42	48	54	60	
4,0000	1,5000	8	9	10	11	12																									
4,0000	1,7500	8	9	10	11	12																									
4,0000	2,0000	8	9	10	11	12																									
4,0000	2,2500	8	9	10	11	12																									
6,0000	1,5000	8	9	10	11	12																									
6,0000	2,2500	8	9	10	11	12																									
6,0000	2,5000	8	9	10	11	12																									
6,0000	2,7500	8	9	10	11	12																									
9,0000	4,2500	9	10	11	12																										

\* All measures in inches.



Type C



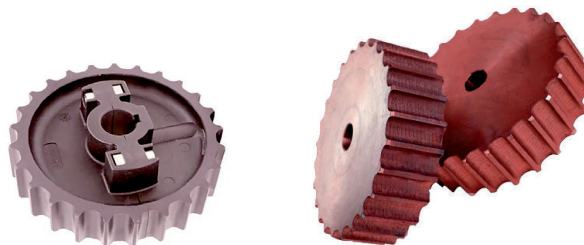
# IH. FLAT TOP CHAIN SPROCKETS

Made according the Standards DIN 8153-ISO 4348 latest edition which establish the characteristics of flat-top chains and associated chain wheels as used basically on conveyors in the packaging and food industry and in particular for bottling, interchangeability, measuring loads and minimum ultimate tensile loads.

We offer the series 800, namely 815, 820, 821, 822, 880 and 881 in versions solid and split and, as far as materials, Thermoplastic, Cast Iron and semi steel.

The version of split sprockets stand out for their convenience as there is no need to take off the sprocket from the shaft what makes maintenance faster and more efficient as no other part of the transmission is affected. Another factor to be taken into account in favor of thermoplastic is the lower strength the teeth have to stand when compared with the strength a driving chain sprocket has to resist due to their wider width.

It is recommended to use sprockets with odd number of teeth as they reduce wear given the fact that any particular tooth engages the chain every alternate turn while a sprocket with an even number of teeth, any particular tooth will engage the same roller on each turn. In this case, by advancing systematically one tooth the wear will be more even.



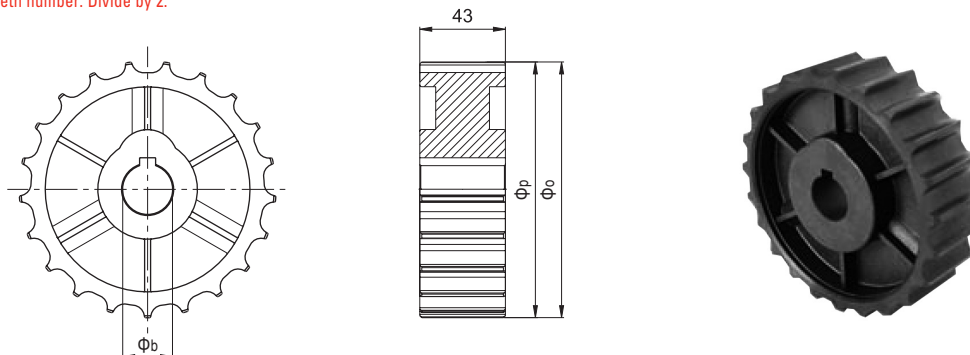
## Series 815

### Series 815. Thermoplastic. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-815P21	21	129,26	129,00	25 - 30 - 35 - 40	0,200/0,441
TL-815P23	23	141,22	141,00		0,300/0,661
TL-815P25	25	153,20	153,00		0,400/0,882

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

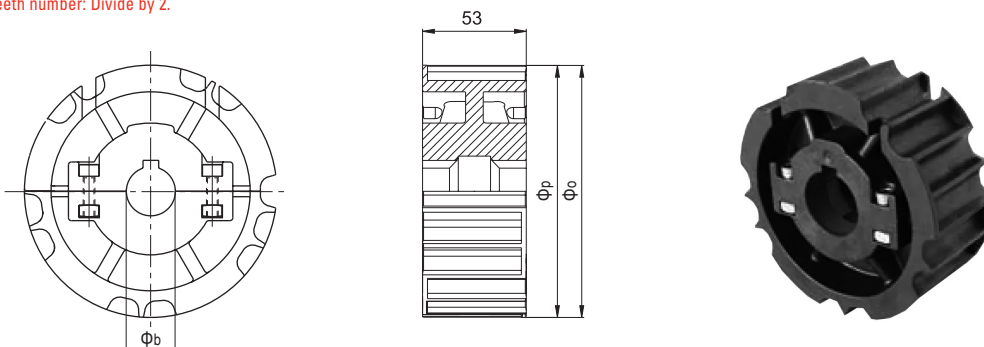


### Series 815. Thermoplastic. Split

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-815SP21	21	129,26	129,00	25 - 30 - 35 - 40	0,400/0,882
TL-815SP23	23	141,22	141,00		0,500/1,102
TL-815SP25	25	153,20	153,00		0,600/1,322

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

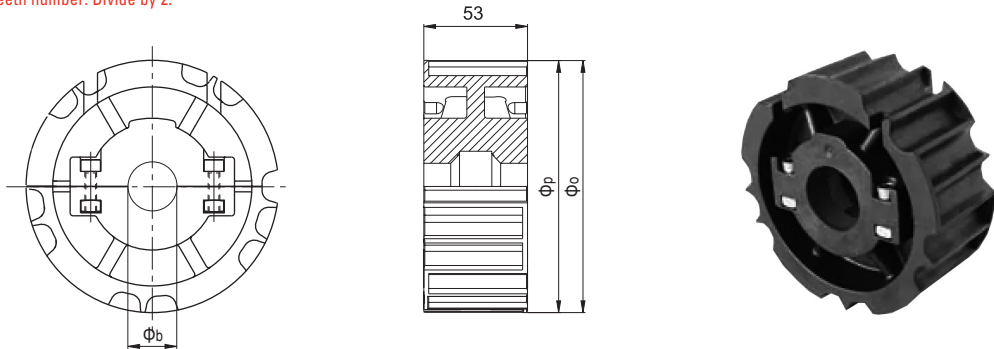


### Series 815. Thermoplastic. Idler. Split

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-815ISP21	21	129,26	129,00	25 - 30 - 35 - 40	0,400/0,882
TL-815ISP23	23	141,22	141,00		0,500/1,102
TL-815ISP25	25	153,20	153,00		0,600/1,322

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

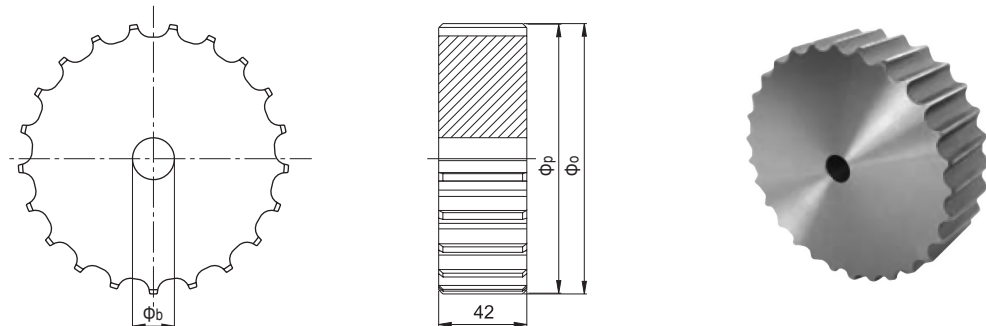


### Series 815. Steel. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-815SS15	15	93,67	93,00	20 Std. & MTO	1,800/3,967
TL-815SS17	17	105,47	104,00		2,400/5,290
TL-815SS19	19	117,34	117,00		3,100/6,832
TL-815SS21	21	129,26	129,00		3,900/8,596
TL-815SS23	23	141,22	141,00		4,600/10,138
TL-815SS25	25	153,20	153,00		5,500/12,122
TL-815SS27	27	165,21	165,00		6,500/14,326

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

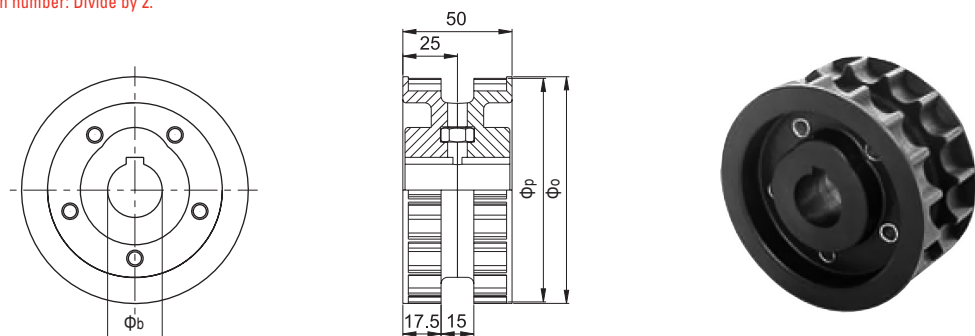


### Series 815. Steel. Split

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-815SSS21	21	129,26	129,00	Std. 29 & MTO	2,300/5,070
TL-815SSS23	23	141,22	141,00		2,500/5,510
TL-815SSS25	25	153,20	153,00		3,000/6,610
TL-815SSS27	27	165,21	165,00		3,500/7,714

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.





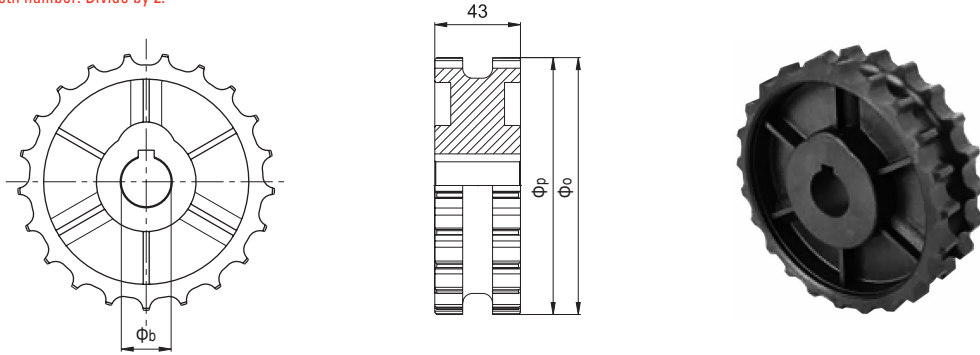
# Series 820

## Series 820. Thermoplastic. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-820P19	19	117,34	117,00	25 - 30 - 35 - 40	0,200/0,441
TL-820P21	21	129,26	129,00		0,200/0,441
TL-820P23	23	141,22	141,00		0,300/0,661
TL-820P25	25	153,20	153,00		0,300/0,661

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

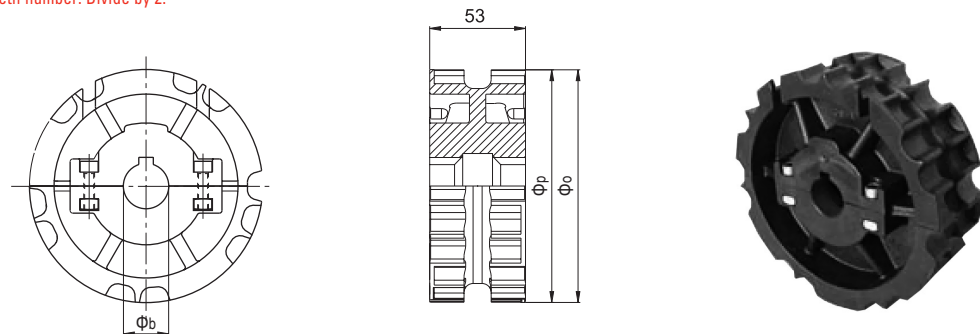


## Series 820. Thermoplastic. Split

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-820SP21	21	129,26	129,00	25 - 30 - 35 - 40 - 45	0,200/0,441
TL-820SP23	23	141,22	141,00		0,300/0,661
TL-820SP25	25	153,20	153,00		0,300/0,661

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

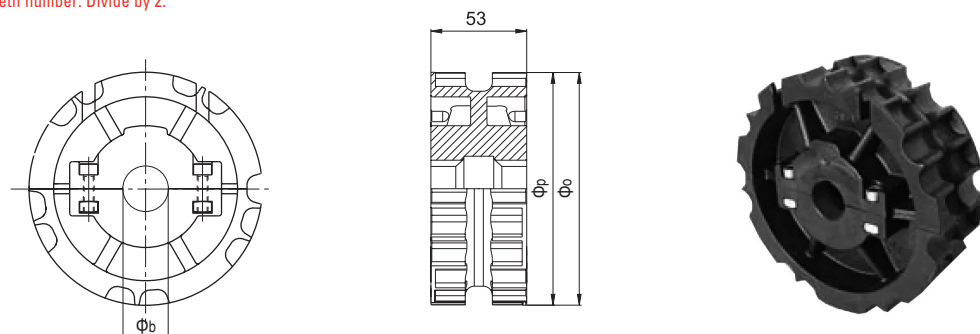


## Series 820. Thermoplastic. Idler. Split

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-820ISP21	21	129,26	129,00	25 - 30 - 35 - 40 - 45	0,200/0,441
TL-820ISP23	23	141,22	141,00		0,300/0,661
TL-820ISP25	25	153,20	153,00		0,300/0,661

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.



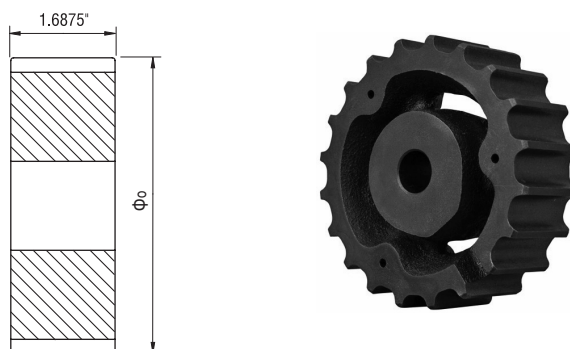
## Series 820

### Series 820 Steel. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-820SS21	21	129,26	129,00	Std. 19,1 & MTO	2,100/4,630
TL-820SS23	23	141,22	141,00		2,400/5,300
TL-820SS25	25	153,20	153,00		2,400/5,300

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.

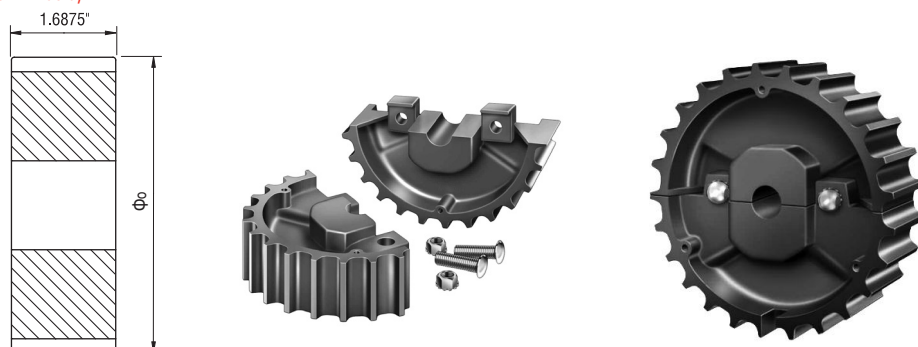


### Series 820. Steel. Split

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-820SST21	21	129,26	129,00	Std. 25,4 & MTO	2,270/5,000
TL-820SST23	23	141,22	141,00		2,540/5,600
TL-820SST25	25	153,20	153,00		3,000/6,600

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.



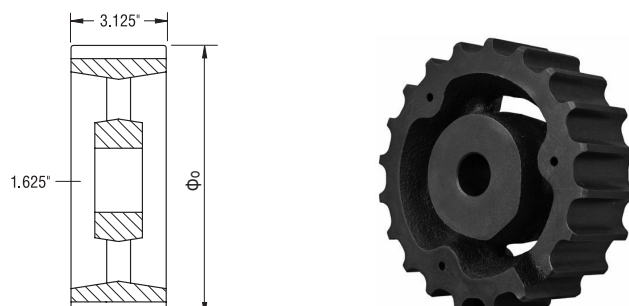
## Series 821

### Series 821. Steel. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-821SS21	21	129,26	129,00	Std. 25,4 & MTO	3,000/6,600
TL-821SS23	23	141,22	141,00		3,200/7,050
TL-821SS25	25	153,20	153,00		3,300/7,300

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.



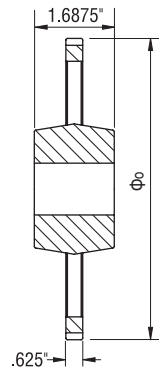
## Series 822

### Series 822. Steel. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-822SS9	9	111,40	112,50	Std. 19,1 & MTO	1,800/3,950
TL-822SS10	10	123,29	125,00		1,900/4,180
TL-822SS11	11	135,22	137,40		2,100/4,600
TL-822SS12	12	147,22	149,90		2,200/4,800

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.



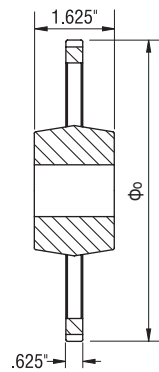
## Series 880

### Series 880. Steel. Solid

REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-880SS9	9	111,40	110,00	Std. 19,1 & MTO	1,300/2,850
TL-880SS10	10	123,29	122,40		1,400/3,100
TL-880SS11	11	135,22	134,90		1,500/3,300
TL-880SS12	12	147,22	147,3		1,600/3,500
TL-880SS15	15	182,26	184,400		1,900/4,200

\* All measures in mm.

\*\* Effective number of teeth.



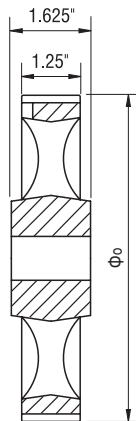
# Series 881

## Series 881. Steel. Solid

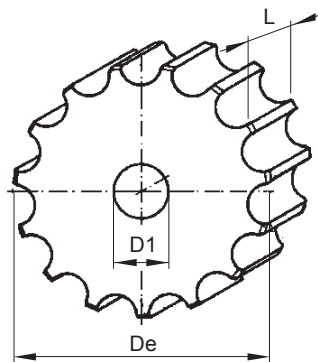
REFERENCE*	TEETH NO**	PITCH DIA $\Phi_p$	OUTER DIA $\Phi_o$	BORE SIZES $\Phi_b$	WEIGHT KG/LBS
TL-881SS21	21	129,26	129,00	Std. 25,4 & MTO	1,900/4,200
TL-881SS23	23	141,22	141,00		2,100/4,600
TL-881SS25	25	153,20	153,00		2,300/5,070

\* All measures in mm.

\*\* Effective number of teeth number: Divide by 2.



Z	De	D1	L
13	78.98	15	43
15	93.67	16	43
17	105.47	16	43
19	117.34	16	43
21	129.26	20	43
23	141.22	20	43
25	153.21	20	43
27	165.20	20	43
29	177.24	20	43
31	189.28	20	43



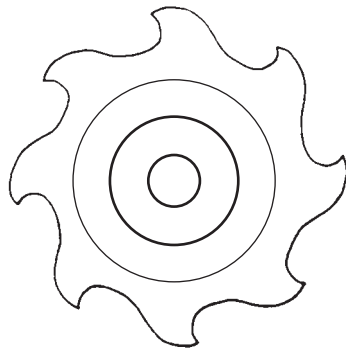
## II. SPECIAL & MTO SPROCKETS

### HTS Hook Tooth Sprockets

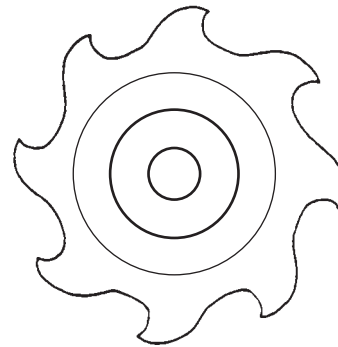
#### Type B

REFERENCE*	NO TEETH	OUTER DIA	STANDARD BORE	MAX BORE	HUB DIA	LTB
TL-HTS-BRH8	8	6,5	1	1,5	2,375	1,625
TL-HTS-BLH8	8	6,5	1	1,5	2,375	1,625

\* All measures in inches.  
RH stands for Right Hand. LH stands for Left Hand.



Right Hand



(LH)  
Left Hand

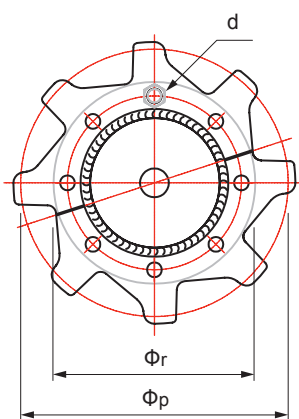
#### Type C

REFERENCE*	NO TEETH	OUTER DIA	STANDARD BORE	MAX BORE	HUB DIA	LTB
TL-HTS-CRH7	7	5,75	0,75	1,5	2,375	2,375
TL-HTS-CRH8	8	6,75	0,75	1,5	2,375	2,375
TL-HTS-CRH9	9	7,45	0,75	1,5	2,375	2,375

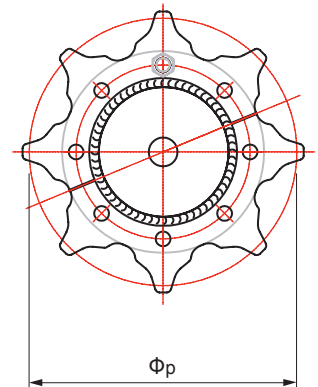
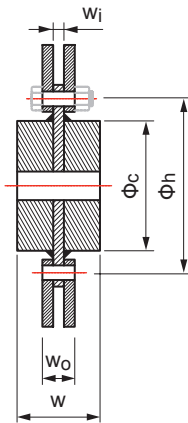
\* All measures in inches.

## Drive Sprockets for forged and casting chains

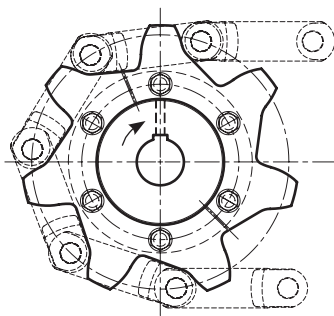
SPROCKET NO	NUMBER OF TEETH	MM								NUMBER OF HOLES
		$\Phi_p$	$\Phi_h$	$\Phi_r$	$\Phi_c$ Max	w	d	w <sub>0</sub>	w <sub>i</sub>	
TL-142-Z6	6	284,00	168,30	136,50	85,00	112,00	M12	46	16	6
TL-142-Z7	7	327,30	200,00	162,00	105,00	112,00	M16	46	16	6
TL-142-Z8	8	371,10	241,30	187,30	115,00	127,00	M20	46	16	8
TL-142-Z9	9	415,20	240,00	240,00	150,00	127,00	M20	46	16	8
TL-142-Z10	10	459,50	285,80	240,00	150,00	127,00	M20	46	16	8
TL-142-Z11	11	504,00	368,30	310,00	170,00	150,00	M20	46	16	8
TL-142-Z12	12	548,60	415,00	345,00	170,00	150,00	M20	46	16	8
TL-142-Z13	13	593,40	470,00	380,00	170,00	150,00	M20	46	16	8
TL-142-Z14	14	638,10	470,00	380,00	170,00	150,00	M20	46	16	10



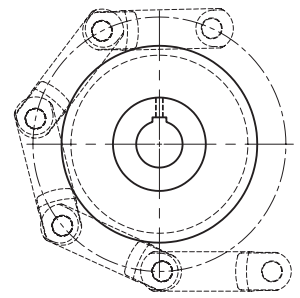
Standard asymmetrical design



Symmetrical design

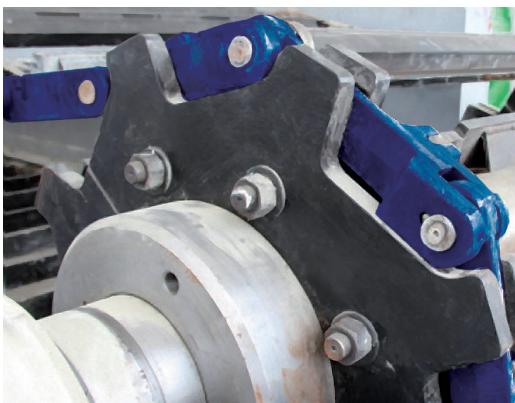


Chain Drive



Trailing Wheel

See details of the chain in page H105 and H106.  
Contact our Commercial Department for other sizes.



See page number H104, for the mating chain.

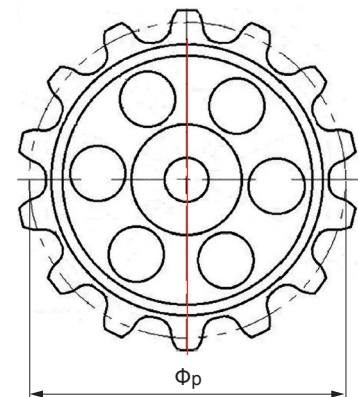
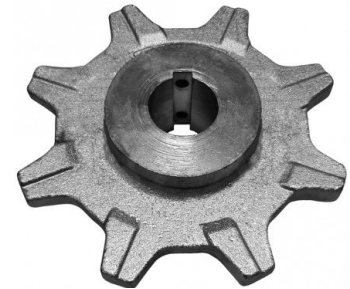
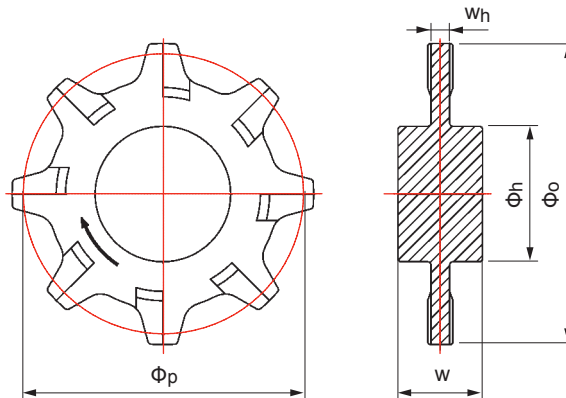
## For CC-600 Casting Chains

REFERENCE*	NO. OF TEETH	$\Phi_p$	$\Phi_o$	$\Phi_h$	w	$w_h$
TL-CC600-8	8	166,00	171,45	95,00	50,80	8,74
TL-CC600-10	10	205,50	213,60	95,00	50,80	8,74
TL-CC600-12	12	245,40	255,30	95,00	50,80	8,74
TL-CC600-14	14	285,50	296,40	95,00	50,80	8,74

\* All measures in mm unless otherwise indicated.



Idler



Alternative Casting CC600  
Driving Sprocket KTH Profile

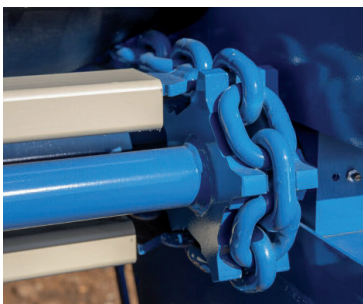
Choices available: Blind Hub, RSB Raw Stock Bore, MPB Minimum Plain Bore, MTS Made to Size with Keyway for Set Screws.

See page number H109, for the mating chain.

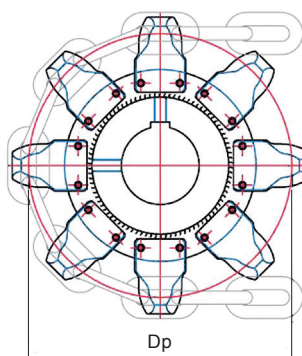
## For round chains

To be used for Bucket elevators and made under the Standard DIN 764,766 and 22252.

For information, please contact our commercial service.



Idler



## For detachable chains

CHAIN NO. *	NO. OF TEETH	PITCH DIAMETER	A	D	E
TL-52B6	6	3,02	1,508	0,606	0,625
TL-52B7	7	3,48	1,508	0,606	0,625
TL-52B8	8	3,94	1,508	0,606	0,625
TL-52B9	9	4,41	1,508	0,606	0,625
TL-52B10	10	4,88	1,508	0,606	0,625
TL-52B11	11	5,35	1,508	0,606	0,625
TL-52B12	12	5,83	1,508	0,606	0,625
TL-52B13	13	6,30	1,508	0,606	0,625
TL-52B14	14	6,78	1,508	0,606	0,625
TL-52B15	15	7,25	1,508	0,606	0,625
TL-52B16	16	7,73	1,508	0,606	0,625
TL-52B17	17	8,21	1,508	0,606	0,625
TL-52B18	18	8,68	1,508	0,606	0,625
TL-52B19	19	9,16	1,508	0,606	0,625
TL-52B20	20	9,64	1,508	0,606	0,625

\* All measures in inches.

CHAIN NO. *	NO. OF TEETH	TYPE OF HUB	PITCH DIAMETER	HUB DIA	LTB
TL-55C5	5	C	2,77	2,00	2,00
TL-55C6	6	C	3,26	2,00	2,00
TL-55C7	7	B	3,76	2,50	2,00
TL-55C8	8	B	4,26	2,50	2,00
TL-55C9	9	C	4,76	3,00	2,00
TL-55C10	10	C	5,26	3,50	2,00
TL-55C11	11	C	5,77	4,50	3,00
TL-55C12	12	C	6,30	4,50	3,00
TL-55C13	13	C	6,8	4,50	3,00
TL-55C14	14	C	7,31	4,50	3,00
TL-55C15	15	C	7,83	4,50	3,00
TL-55C16	16	C	8,34	4,50	3,00
TL-55C17	17	C	8,85	4,50	3,00
TL-55C18	18	C	9,39	4,50	3,00
TL-55C19	19	C	9,92	4,50	3,00
TL-55C20	20	C	10,43	6,00	3,50
TL-55C21	21	C	10,94	6,00	3,50
TL-55C22	22	C	11,43	6,00	3,50
TL-55C23	23	C	11,97	6,00	3,50
TL-55C24	24	C	12,47	6,00	3,50
TL-55C25	25	C	13,00	8,00	4,00
TL-55C27	27	C	14,07	8,00	4,00
TL-55C28	28	C	14,54	8,00	4,00
TL-55C29	29	C	15,08	8,00	4,00
TL-55C30	30	C	15,59	8,00	4,00
TL-55C31	31	C	16,11	8,00	4,00
TL-55C32	32	C	16,63	8,00	4,00
TL-55C34	34	C	17,67	8,00	4,00
TL-55C35	35	C	18,20	8,00	4,00
TL-55C36	36	C	18,70	8,00	4,00
TL-55C38	38	C	19,75	8,00	4,00
TL-55C40	40	C	20,79	10,00	4,00
TL-55C41	41	C	21,31	10,00	4,00
TL-55C48	48	C	24,94	10,00	4,00
TL-55C50	50	C	25,98	10,00	4,00
TL-55C54	54	C	28,00	10,00	4,00

\* All measures in inches.



CHAIN NO.*	NO. OF TEETH	TYPE OF HUB	PITCH DIAMETER	HUB DIA	LTB
TL-62C5	5	C	2,77	2,00	2,00
TL-62C6	6	C	3,26	2,00	2,00
TL-62C7	7	C	3,76	2,50	2,00
TL-62C8	8	C	4,26	2,50	2,00
TL-62C9	9	C	4,76	3,00	2,00
TL-62C10	10	C	5,26	3,50	2,00
TL-62C11	11	C	5,77	4,50	3,00
TL-62C12	12	C	6,30	4,50	3,00
TL-62C13	13	C	6,8	4,50	3,00
TL-62C14	14	C	7,31	4,50	3,00
TL-62C15	15	C	7,83	4,50	3,00
TL-62C16	16	C	8,34	4,50	3,00
TL-62C17	17	C	8,85	4,50	3,00
TL-62C18	18	C	9,39	4,50	3,00
TL-62C19	19	C	9,92	4,50	3,00
TL-62C20	20	C	10,43	6,00	3,50
TL-62C21	21	C	10,94	6,00	3,50
TL-62C22	22	C	11,43	6,00	3,50
TL-62C23	23	C	11,97	6,00	3,50
TL-62C24	24	C	12,47	6,00	3,50
TL-62C25	25	C	13,00	8,00	4,00
TL-62C27	27	C	14,07	8,00	4,00
TL-62C28	28	C	14,54	8,00	4,00
TL-62C29	29	C	15,08	8,00	4,00
TL-62C30	30	C	15,59	8,00	4,00
TL-62C32	32	C	16,63	8,00	4,00
TL-62C34	34	C	17,67	8,00	4,00
TL-62C36	36	C	18,70	8,00	4,00
TL-62C38	38	C	19,75	8,00	4,00
TL-62C39	40	C	20,79	10,00	4,00
TL-62C40	41	C	20,79	10,00	4,00
TL-62C41	41	C	21,31	10,00	4,00
TL-62C42	42	C	21,31	10,00	4,00
TL-62C43	43	C	21,31	10,00	4,00
TL-62C45	45	C	21,31	10,00	4,00
TL-62C46	46	C	21,31	10,00	4,00
TL-62C47	47	C	21,31	10,00	4,00
TL-62C48	48	C	24,94	10,00	4,00
TL-62C49	50	C	25,98	10,00	4,00
TL-62C54	51	C	25,98	10,00	4,00
TL-62C60	54	C	28,00	10,00	4,00

\* All measures in inches.

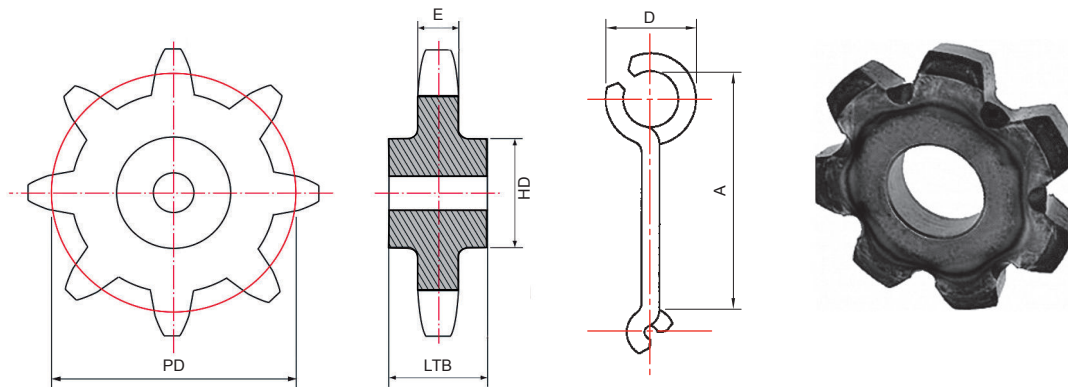


CHAIN NO.*	NO. OF TEETH	PITCH DIAMETER	A	D	E
TL-70B6	6	3,02	2,013	0,818	1
TL-70B7	7	3,48	2,013	0,818	1
TL-70B8	8	3,94	2,013	0,818	1
TL-70B9	9	4,41	2,013	0,818	1
TL-70B10	10	4,88	2,013	0,818	1
TL-70B11	11	5,35	2,013	0,818	1
TL-70B12	12	5,83	2,013	0,818	1
TL-70B13	13	6,30	2,013	0,818	1
TL-70B14	14	6,78	2,013	0,818	1
TL-70B15	15	7,25	2,013	0,818	1
TL-70B16	16	7,73	2,013	0,818	1
TL-70B17	17	8,21	2,013	0,818	1
TL-70B18	18	8,68	2,013	0,818	1
TL-70B19	19	9,16	2,013	0,818	1
TL-70B20	20	9,64	2,013	0,818	1

\* All measures in inches.

CHAIN NO.*	NO. OF TEETH	PITCH DIAMETER	A	D	E
TL-72B6	6	4,41	2,205	0,818	1
TL-72B7	7	5,08	2,205	0,818	1
TL-72B8	8	5,76	2,205	0,818	1
TL-72B9	9	6,45	2,205	0,818	1
TL-72B10	10	7,14	2,205	0,818	1
TL-72B11	11	7,83	2,205	0,818	1
TL-72B12	12	8,52	2,205	0,818	1
TL-72B13	13	9,21	2,205	0,818	1
TL-72B14	14	9,91	2,205	0,818	1
TL-72B15	15	10,61	2,205	0,818	1
TL-72B16	16	11,30	2,205	0,818	1
TL-72B17	17	12,00	2,205	0,818	1
TL-72B18	18	12,70	2,205	0,818	1
TL-72B19	19	13,40	2,205	0,818	1
TL-72B20	20	41,10	2,205	0,818	1

\* All measures in inches.

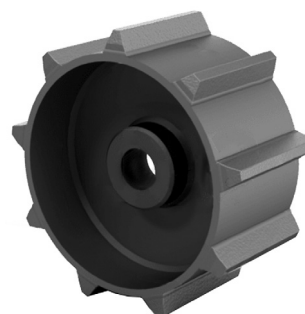
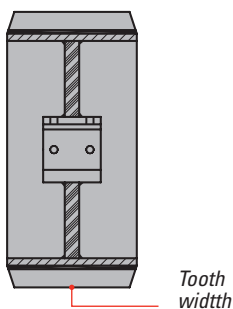
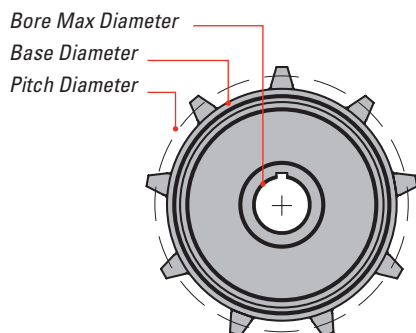


## For welded chains

FOR WELDED CHAIN NUMBER *	NO. OF TEETH	PITCH	PITCH DIAMETER	BASE DIA	BORE MAX DIA	TOOTH WIDTH
WD102-6	6	5	10,00	7,16	3,9375	6,375
WD102-7	7	5	11,52	8,80	4,4375	6,375
WD102-8	8	5	13,07	10,57	5,9375	6,375
WD102-9	9	5	14,62	12,24	5,9375	6,375
WD102-10	10	5	16,18	13,89	5,9375	6,375
WD102-11	11	5	17,75	15,50	5,9375	6,375
WD102-12	12	5	19,32	17,16	5,9375	6,375
WD104-8	8	6	15,68	12,99	5,9375	4,125
WD104-9	9	6	17,54	14,99	5,9375	4,125
WD104-10	10	6	19,42	16,97	5,9375	4,125
WD104-11	11	6	21,30	18,92	5,9375	4,125
WD110-6	6	6	12,00	8,89	4,4375	9,000
WD110-7	7	6	13,83	10,98	4,4375	9,000
WD110-8	8	6	17,54	14,99	5,9375	9,000
WD110-9	9	6	15,68	12,99	5,9375	9,000
WD110-10	10	6	19,42	16,97	5,9375	9,000
WD110-11	11	6	21,30	18,92	5,9375	9,000
WD112-6	6	8	16,00	12,36	5,9375	9,000
WD112-7	7	8	18,44	15,11	5,9375	9,000
WD112-8	8	8	20,90	17,81	5,9375	9,000
WD112-9	9	8	23,39	20,37	5,9375	9,000
WD116-6	6	8	16,00	12,11	5,9375	13,000
WD116-7	7	8	18,44	14,85	5,9375	13,000
WD116-8	8	8	20,90	17,56	5,9375	13,000
WD116-9	9	8	23,39	20,23	5,9375	13,000
WD122-6	6	8	16,00	11,86	5,9375	8,750
WD122-7	7	8	18,44	14,61	5,9375	8,750
WD122-8	8	8	20,90	17,31	5,9375	8,750
WD122-9	9	8	23,39	19,38	5,9375	8,750

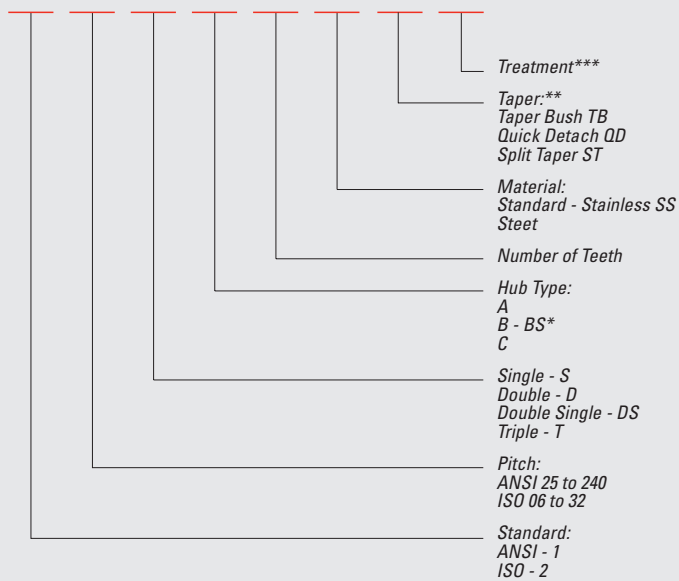


\* All measures in inches.



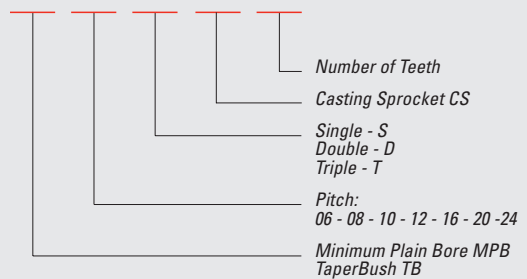
**GUIDE TO ORDER**

**ANSI & ISO Sprockets**



Sprockets are made from CK45<sup>1</sup> Carbon Steel Round bar, casting or forging.

**Casting Sprockets**



Casting Sprockets are made from EN-GJL-200 (GG20) according Standard EN-1561. See page number M4.

- \* Hub Type BS, for Setscrews.
- \*\* Taper Bush, see page number A3
- Quick Detach, see page number A11
- Split Taper, see page number A14
- \*\*\* Treatment:  
 As Standard, sprockets are delivered with induction hardened teeh.  
 Phosphating, see page number M10  
 Nickel Plated, see page number M14  
 Other treatments.

<sup>1</sup> CK45 grade is equivalent to DIN 1.1191, ASTM A21-94 grade U, BSI BS 080 M46, AISI 1045, SAE 1045, JIS S45C, ISO C45A, GOST 45, GB 45, UNS H10450.

