

Mechanical Power Transmission Components

➔ TAPER BUSHES

Application

Allow easy installation application for any rotating parts (Rotors, Pulleys, Sprockets, Impellers) to a shaft.

Installation – Remove

Do not use lubricants or anti seize compounds On bushing and hub mounting area.

Quick installation

01. Insert bush in hub with align drilled holes of bushing with tapped holes in hub.
02. Greasing thread and point of grub screw or in cap crews greasing threads and under head. Insert screws through tapped holes in pulley hub and thread loosely.
03. Position assembly on shaft and tighten screws progressively and uniformly until obtain fully secured grip.
04. After drive has been running under load for a short time stop and check tightness of screws.
05. Fill empty holes with grease to exclude dirt.

Fast Remove

01. Remove screws from hub and thread in to tapped holes in bushing, tighten alternately until bushing free from hub.
02. Remove assembly from shaft.

Tapered Precision Fit

Precision machining of the tapered bore in the component the tapered mating surface of the bushing insures a snug, precision fit between rim and bushing.

Fully interchangeable with other TB Bushings

As in the case of Derk Taper bushings & pulleys also conform to standardize in dimensions, because of this feature and stock bushing may be interchanged with the same size bushing.

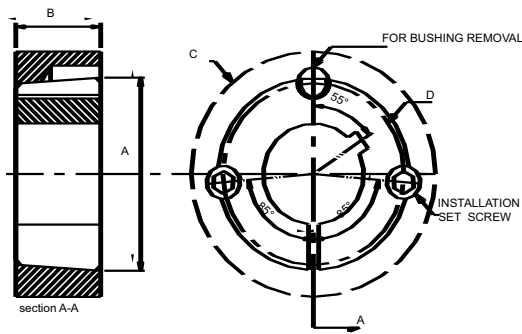
Important Reminder

All operational power transmission products when used in a drive are potentially dangerous and must be guarded by the user as required by applicable laws, regulations standards and good safety practice.

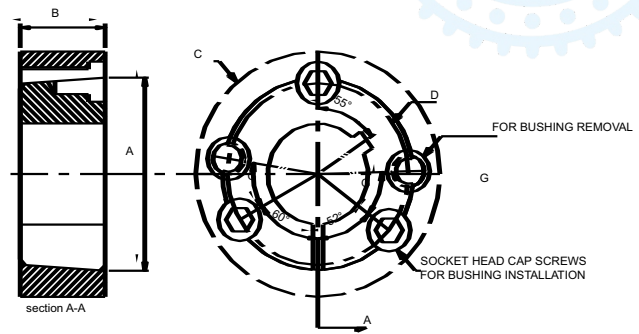
Bushing Material

01. Taper bushing material close cast iron FG20.
02. Spheroidal graphite (S.G.) iron for higher stress application.
03. As per customer requirement.





1008 TO 3030 BUSHINGS



3535 TO 5050 BUSHINGS

Taper Bushes (TB) Technical Details

Bushing No.	Bore Size		No. of Screws	Size of Screws	Major OD A	Total Length B	Approx Weight In Kg.
	Min	Max					
1008	9.52	25	2	1/4 X 1/2	35.32	22.22	0.120
1108	9.52	28	2	1/4 X 1/2	38.37	22.22	0.150
1210	11.00	32	2	3/8 X 5/8	47.62	25.40	0.260
1215	11.00	32	2	3/8 X 5/8	47.62	38.10	0.380
1610	14.00	42	2	3/8 X 5/8	57.15	25.40	0.390
1615	14.00	42	2	3/8 X 5/8	57.15	38.10	0.570
2012	14.00	50	2	7/16 X 7/8	69.80	31.75	0.750
2017	14.00	50	2	7/16 X 7/8	69.80	44.45	1.000
2517	16.00	60	2	1/2 X 1	85.72	44.45	1.600
2525	16.00	60	2	1/2 X 1	85.72	63.50	2.220
3020	25.00	75	2	5/8 X 1 1/4	107.96	50.80	2.800
3030	25.00	75	2	5/8 X 1 1/4	107.96	76.20	3.900
3535	35.00	90	3	1/2 X 1 1/2	127.00	88.90	6.520
4040	40.00	100	3	5/8 X 1 3/4	146.00	101.60	9.720
4545	55.00	110	3	3/4 X 2	161.92	114.30	13.00
5050	77.00	125	3	7/8 X 2 1/4	177.80	127.00	15.500

Approx weight in kg for a minimum bore size.

A taper bushing is defined by 4 digit representing two numbers. The first numbers represent the maximum bore size (In Inches)The second numbers represent the bushing length (In Inches).

For example: a 1210 has a max bore of 1.2" and total length 1.0".