



BONNA-FLEX

AN ISO 9001 : 2015
CERTIFIED COMPANY

BONNA-FLEX
Industries Private Limited

HASMUHLAL & BROTHERS
Mechanical Power Transmission Equipments.

TAPER BUSH SHAFT LOCK



CATALOGUE NO. C4-TBSL- NO 4

"BONNAFLEX" Range of Engineering Products



Taper Bush V-Groove Pulleys



Star (jaw) Couplings



Tyre Couplings



Pin Bush Couplings



HRC Couplings



Gear Couplings



Sprockets



● ADVANTAGES :

1. Unskilled labours can achieve shrink fit of bushes and pulleys on shafts.
2. Eliminates key ways costs and re-boring and also **eliminates keys fitments**.
3. **Cost** and **time** saving.
4. **Interchangeable** between many products.
5. Convenience in dismantling, **maintenance** and components replacements.



● HOW TO INSTALL :

1. Clean the mating tapered surfaces of bore in the pulley and out side the bosh of hub and should be free from oil and dirt.
2. Holes in the pulleys and bush should be line up.
3. Lubricate the point of grub screw and thread head of cap screw.
4. Place screws loosely in hole of threaded hub.
5. Clean shaft and fit bush to shaft, such that the bush will grip the shaft.
6. Using the wrench tighten screws gradually until they are fully secured.

● HOW TO REMOVE :

1. Remove all pusher screws, insert puller screw by lubricating thread in threaded hole in bush.
2. Tight the puller screw till the bush gets loosened.



Bush		1008 1108	1310	1210 1215	1610 1615	2012	2517 2525	3020 3030	3525 3535	4040	4545	5050
Screw tightening torque (Nm.)		5.6	20	20	20	31	48	90	113	170	192	271
Screw	Qty.	2	2	2	2	2	2	2	3	3	3	3
Details	Size (BSW)	1.4"	3/8"	3/8"	3/8"	7/16"	1/2"	5/8"	1/2"	5/8"	3/4"	7/8"

**BONNA-FLEX****TAPER BUSH SHAFT LOCK PULLEYS**

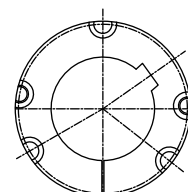
**AN ISO 9001 : 2015
CERTIFIED COMPANY**

Manufacturer & Exporter :

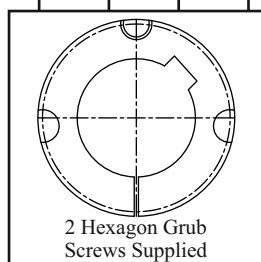
HASMUHLAL & BROTHERS

METRIC STANDARD BORES AND KEYWAYS

Bore Dia	Keyway		Shallow Keyway Depth	Catalogue Code Group 029 ...																
	Width	Depth		1008 AO	1108 BO	1210 CO	1215 DO	1310 EO	1610 HO	1615 HO	2012 KO	2517 MO	2525 NO	3020 PO	3030 QO	3525 JO	3535 RO	4040 SO	4545 TO	5050 UO
9	3	1.4	-	...009	009															
10	3	1.4	-	...010	010															
11	4	1.8	-	...011	011	011	011													
12	4	1.8	-	...012	012	012	012													
14	5	2.3	-	...014	014	014	014	014	014	014	014									
16	5	2.3	-	...016	016	016	016	016	016	016	016	016								
18	6	2.8	-	...018	018	018	018	018	018	018	018	018								
19	6	2.8	-	...019	019	019	019	019	019	019	019	019	019							
20	6	2.8	-	...020	020	020	020	020	020	020	020	020	020							
22	6	2.8	-	...022	022	022	022	022	022	022	022	022	022							
24	8	3.3	1.3	...024"	024	024	024	024	024	024	024	024	024							
25	8	3.3	1.3	...025"	025	025	025	025	025	025	025	025	025	025						
28	8	3.3	1.3		028"	028	028	028	028	028	028	028	028	028						
30	8	3.3	-			030	030	030	030	030	030	030	030	030						
32	10	3.3	1.3			032"	032"	032	032	032	032	032	032	032						
35	10	3.3	1.3					035"	035	035	035	035	035	035	035	035	035			
38	10	3.3	-						038	038	038	038	038	038	038	038	038			
40	12	3.3	1.3						040	040	040	040	040	040	040	040	040	040		
42	12	3.3	1.3						042"	042"	042	042	042	042	042	042	042	042		
45	14	3.8	-								045	045	045	045	045	045	045	045		
48	14	3.8	-								048	048	048	048	048	048	048	048		
50	14	3.8	2.8								050"	050	050	050	050	050	050	050		
55	16	4.3	-									055	055	055	055	055	055	055	055	
60	18	4.4	-									060	060	060	060	060	060	060	060	
65	18	4.4	-											065	065	065	065	065	065	
70	20	4.9	-											070	070	070	070	070	070	070
75	20	4.9	-											075	075	075	075	075	075	075
80	22	5.4	-													080	080	080	080	080
85	22	5.4	-													085	085	085	085	085
90	25	5.4	3.4													090"	090"	090	090	090
95	25	5.4	-															095	095	095
100	28	6.4	5.4															100"	100	100
105	28	6.4	-																105	105
110	28	6.4	-																110"	110
115	32	7.4	-																	115
120	32	7.4	-																	120
125	32	7.4	-																	125
Nominal dia at large end of Teper Approx, Mass of Bush (Kg)				35.0 0.1	38.0 0.1	47.5 0.2	47.5 0.3	51.0 0.3	57.0 0.3	57.0 0.5	70.0 0.7	85.5 1.5	85.5 1.9	108.0 2.7	108.0 3.6	127.0 3.8	127.0 5.0	146.0 7.7	162.0 10.0	177.5 14.0



3 Hexagon Socket Cap Screws Supplied



2 Hexagon Grub Screws Supplied

Dimensions in millimeters



**BONNA-FLEX****TAPER BUSH SHAFT LOCK PULLEYS**

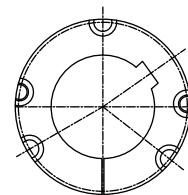
**AN ISO 9001 : 2015
CERTIFIED COMPANY**

Manufacturer & Exporter :

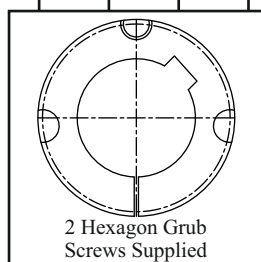
HASMUKHLAL & BROTHERS

IMPERIAL STANDARD BORES AND KEYWAYS

Bore Dia	Keyway		Shallow Keyway Depth	Catalogue Code Group 029 ...																
	Width	Depth		1008	1108	1210	1215	1310	1610	1615	2012	2517	2525	3020	3030	3525	3535	4040	4545	5050
0.375	0.125	0.060	-	0375	0375															
0.500	0.125	0.060	-	0500	0500	0500	0500	0500	0500	0500										
0.625	0.188	0.088	-	0625	0625	0625	0625	0625	0625	0625										
0.750	0.188	0.088	-	0750	0750	0750	0750	0750	0750	0750	0750	0750								
0.875	0.250	0.115	-	0875	0875	0875	0875	0875	0875	0875	0875	0875	0875							
1.000	0.250	0.115	0.052	1000*	1000	1000	1000	1000	1000	1000	1000	1000	1000							
1.125	0.312	0.112	0.064		1125*	1125	1125	1125	1125	1125	1125	1125	1125	1250	1250					
1.250	0.312	0.112	-			1250	1250	1250	1250	1250	1250	1250	1250	1375	1375					
1.375	0.375	0.108	-					1375	1375	1375	1375	1375	1375	1500	1500	1500	1500			
1.500	0.375	0.108	-						1500	1500	1500	1500	1500	1625	1625	1625	1625			
1.625	0.438	0.135	0.103						1625*	1625*	1625	1625	1625	1750	1750	1750	1750	1750		
1.750	0.438	0.135	-								1750	1750	1750	1875	1875	1875	1875	1875		
1.875	0.500	0.131	-								1875	1875	1875	2000	2000	2000	2000	2000		
2.000	0.500	0.131	-								2000	2000	2000	2125	2125	2125	2125	2125		
2.125	0.625	0.185	-									2125	2125	2250	2250	2250	2250	2250	2250	
2.250	0.625	0.185	-									2250	2250	2375	2375	2375	2375	2375	2375	
2.375	0.625	0.185	-									2375	2375	2500	2500	2500	2500	2500	2500	
2.500	0.625	0.185	0.153									2500*	2500*	2625	2625	2625	2625	2625	2625	
2.625	0.750	0.209	-											2750	2750	2750	2750	2750	2750	2750
2.750	0.750	0.209	-											2875	2875	2875	2875	2875	2875	2875
2.875	0.750	0.209	-											3000	3000	3000	3000	3000	3000	3000
3.000	0.750	0.209	-													3125	3125	3125	3125	3125
3.125	0.875	0.264	-													3250	3250	3250	3250	3250
3.250	0.875	0.264	-													3375	3375	3375	3375	3375
3.375	0.875	0.264	-													3500	3500	3500	3500	3500
3.500	0.875	0.264	-														3750	3750	3750	3750
3.750	1.000	0.318	-														4000	4000	4000	4000
4.000	1.000	0.318	-															4250	4250	4250
4.250	1.250	0.366	-															4500	4500	4500
4.500	1.250	0.366	-																4750	4750
4.750	1.250	0.366	-																	5000
5.000	1.250	0.366	-																	
Nominal dia at large end of Taper (in mm)				35.0	38.0	47.5	47.5	51.0	57.0	57.0	70.0	85.5	85.5	108.0	108.0	127.0	127.0	146.0	162.0	177.5
Approx. mass of Bush (kg)				0.1	0.1	0.2	0.3	0.3	0.3	0.5	0.7	1.5	1.9	2.7	3.6	3.8	5.0	7.7	10.0	14.0



3 Hexagon Socket
Cap Screws Supplied



2 Hexagon Grub
Screws Supplied

Dimensions in millimeters

