

www.derkindustries.com



Mechanical Power Drives

TAPPER BUSH PULLEY CATALOGUE-2025

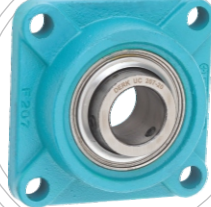


**Mfg. of: DERK Brand
Mechanical Power Transmission Products**



Mechanical Power Drives

Mfg. of: DERK & JAY Brand Mechanical Power Transmission Products



www.derkindustries.com

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.

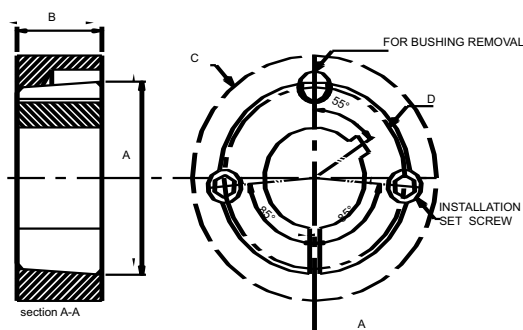
Important Reminder

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.

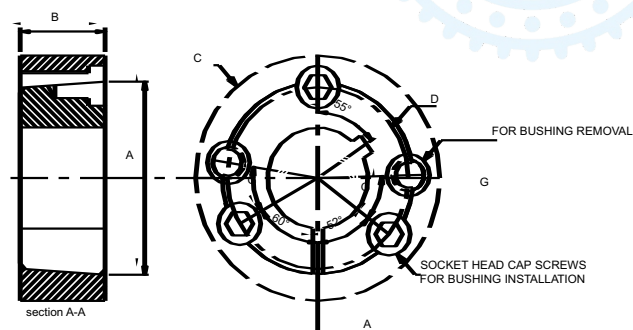
Bushing Material

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).

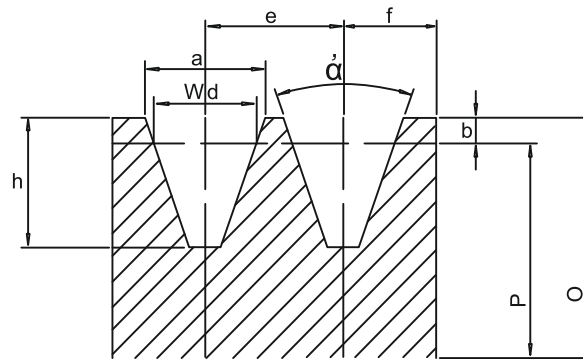
For example: a 1210 has a max bore of 1.2" and total length 1.0".

V - Groove Pulley

Derk V- belt taper bush pulley are manufactured according to ISO-4183._

The groove profile designed for both classical V-Belts (section Z,A,B,C) and narrow V-Belts (section SPZ,SPA,SPB,SPC) as stated in technical dimensional tables. The material used for the pulley is close grain structure cast iron.

When ordering a pulley to be dynamically balanced you must specify the pulley operational speed.

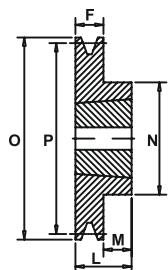


Belt section	P	α°	a	Wd	e	f	b	h
SPZ	≤ 80	34	9.7	8.5	12	8	2	11
	> 80	38	9.9					
SPA	≤ 118	34	12.7	11	15	10	2.75	13.75
	> 118	38	12.9					
SPB	≤ 190	34	16.1	14	19	12.5	3.5	17.5
	> 190	38	16.4					
SPC	≤ 315	34	21.9	19	25.5	17	4.8	23.8
	> 315	38	22.3					

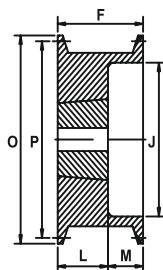
The minimum datum diameters (Pitch diameters P)

The minimum datum diameters of groove pulleys as a function of the V-Belts are specified in following table.

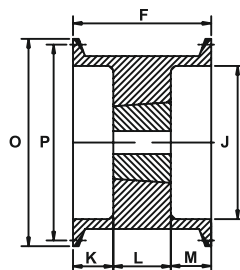
Groove Profile	Z	A	B	C	SPZ	SPA	SPB	SPC
Minimum Pitch Diameter(P)	50	75	125	200	63	90	140	224



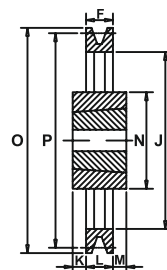
TYPE-1



TYPE-2



TYPE-3

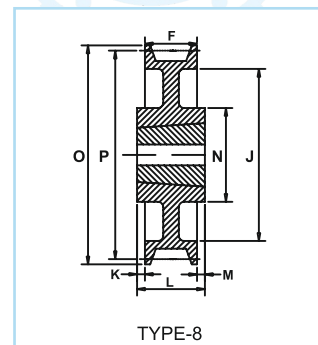
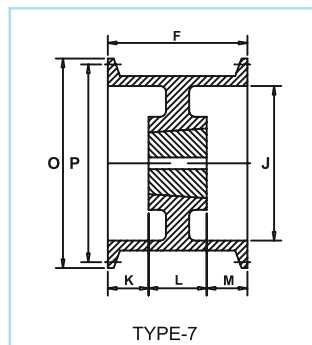
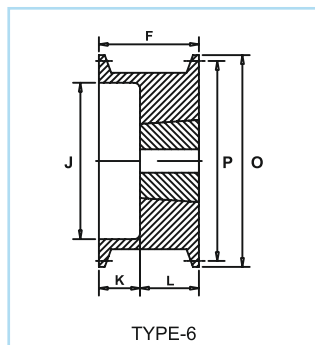
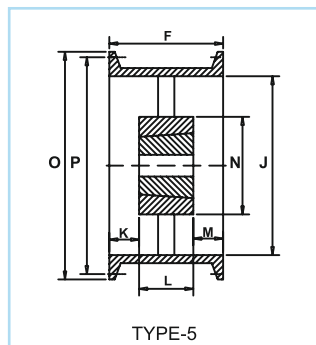


TYPE-4

Dimensions A & SPA - 01

F = 20mm

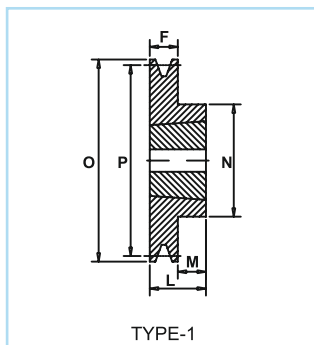
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
75-SPA-01-JA	75	80.5	JA	32	1	-	-	22	2	51
80-SPA-01-JA	80	85.5	JA	32	1	-	-	22	2	51
85-SPA-01-JA	85	90.5	JA	32	1	-	-	22	2	51
90-SPA-01-JA	90	95.5	JA	32	1	-	-	22	2	51
95-A-01-SDS	95	100.5	SDS	51	1	-	-	25	5	81
100-SPA-01-SDS	100	105.5	SDS	51	1	-	-	25	5	81
106-SPA-01-SDS	106	111.5	SDS	51	1	-	-	25	5	81
112-SPA-01-SDS	112	117.5	SDS	51	1	-	-	25	5	81
118-SPA-01-SDS	118	123.5	SDS	51	1	-	-	25	5	81
125-SPA-01-SDS	125	130.5	SDS	51	1	-	-	25	5	81
132-SPA-01-SDS	132	137.5	SDS	51	1	-	-	25	5	81
140-SPA-01-SDS	140	145.5	SDS	51	1	-	-	25	5	81
150-SPA-01-SDS	150	155.5	SDS	51	1	-	-	25	5	81
160-SPA-01-SDS	160	165.5	SDS	51	5A	125	2.5	25	2.5	81
170-SPA-01-SDS	170	175.5	SDS	51	5A	135	2.5	25	2.5	81
180-SPA-01-SDS	180	185.5	SDS	51	5A	145	2.5	25	2.5	81
190-SPA-01-SK	190	195.5	SK	60	5	155	6	32	6	99
200-SPA-01-SK	200	205.5	SK	60	5	165	6	32	6	99
212-SPA-01-SK	212	217.5	SK	60	5	177	6	32	6	99
224-SPA-01-SK	224	229.5	SK	60	5	189	6	32	6	99
236-SPA-01-SK	236	241.5	SK	60	6	201	6	32	6	99
250-SPA-01-SK	250	255.5	SK	60	6	215	6	32	6	99
265-SPA-01-SK	265	270.5	SK	60	6	230	6	32	6	99
280-SPA-01-SK	280	285.5	SK	60	6	245	6	32	6	99
300-SPA-01-SK	300	305.5	SK	60	6	265	6	32	6	99



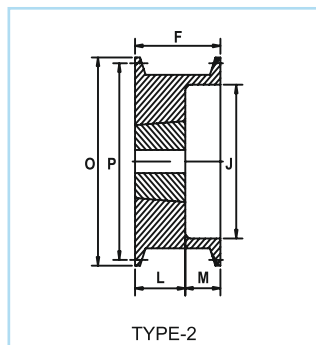
Dimensions A & SPA - 02

F = 35mm

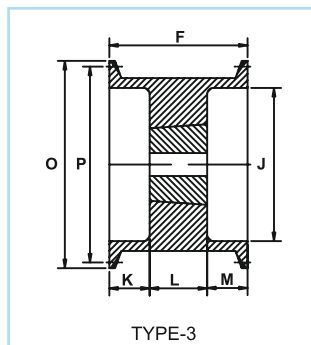
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
80-A-02-1108	80	85.5	1108	26	6	50	13	22	-	-
85-A-02-1108	85	90.5	1108	26	6	55	13	22	-	-
90-A-02-1108	90	95.5	1108	26	6	60	13	22	-	-
95-A-02-1610	95	100.5	1610	38	6	65	10	25	-	-
100-SPA-02-1610	100	105.5	1610	38	6	70	10	25	-	-
106-SPA-02-1610	106	111.5	1610	38	6	71	10	25	-	-
112-SPA-02-1610	112	117.5	1610	38	2	77	-	25	10	-
118-SPA-02-1610	118	123.5	1610	38	2	84	-	25	10	-
125-SPA-02-1610	125	130.5	1610	38	2	90	-	25	10	-
132-SPA-02-1610	132	137.5	1610	38	2	97	-	25	10	-
140-SPA-02-2012	140	145.5	2012	50	2	105	-	32	3	-
150-SPA-02-2012	150	155.5	2012	50	2	115	-	32	3	-
160-SPA-02-2012	160	165.5	2012	50	2	125	-	32	3	-
170-SPA-02-2012	170	175.5	2012	50	2	135	-	32	3	-
180-SPA-02-2012	180	185.5	2012	50	7	145	1.5	32	1.5	99
190-SPA-02-2012	190	195.5	2012	50	7	155	1.5	32	1.5	99
200-SPA-02-2517	200	205.5	2517	60	8	165	5	45	5	118
212-SPA-02-2517	212	217.5	2517	60	8	177	5	45	5	118
224-SPA-02-2517	224	229.5	2517	60	8	189	5	45	5	118
236-SPA-02-2517	236	241.5	2517	60	8	201	5	45	5	118
250-SPA-02-2517	250	255.5	2517	60	4	215	5	45	5	118
265-SPA-02-2517	265	270.5	2517	60	4	230	5	45	5	118
280-SPA-02-2517	280	285.5	2517	60	4	245	5	45	5	118
300-SPA-02-2517	300	305.5	2517	60	4	265	5	45	5	118



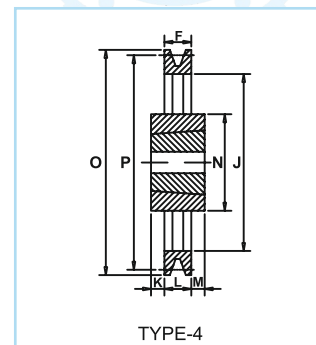
TYPE-1



TYPE-2



TYPE-3

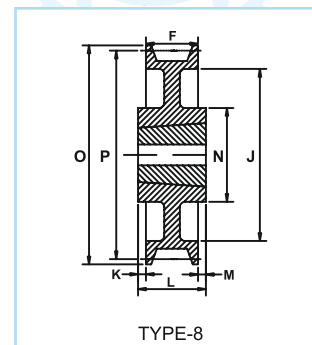
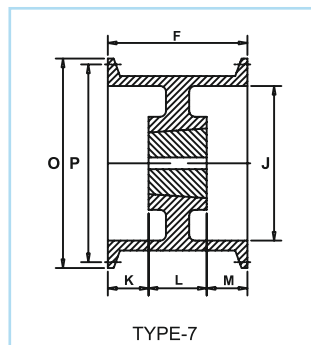
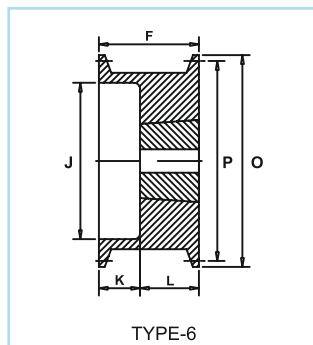
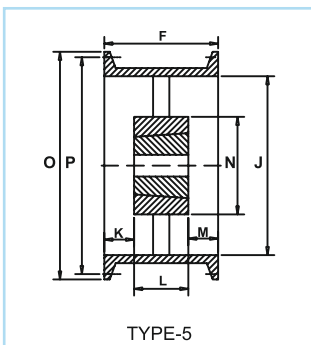


TYPE-4

Dimensions A & SPA - 03

F = 50mm

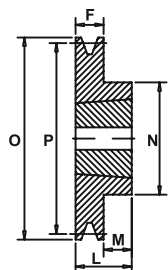
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
80-A-03-1215	80	85.5	1215	30	1	-	-	38	-	-
85-A-03-1215	85	90.5	1215	30	1	-	-	38	-	-
90-A-03-1615	90	95.5	1615	38	1	-	-	38	-	-
95-SPA-03-1615	95	100.5	1615	38	1	-	-	38	-	-
100-SPA-03-1615	100	105.5	1615	38	1	-	-	38	-	-
106-SPA-03-1615	106	111.5	1615	38	1	-	-	38	-	-
112-SPA-03-2012	112	117.5	2012	50	6	82	18	32	-	-
118-SPA-03-2012	118	123.5	2012	50	6	84	18	32	-	-
125-SPA-03-2012	125	130.5	2012	50	6	90	18	32	-	-
132-SPA-03-2012	132	137.5	2012	50	6	97	18	32	-	-
140-SPA-03-2517	140	145.5	2517	60	6	105	5	45	-	-
150-SPA-03-2517	150	155.5	2517	60	2	115	-	45	5	-
160-SPA-03-2517	160	165.5	2517	60	2	125	-	45	5	-
170-SPA-03-2517	170	175.5	2517	60	2	135	-	45	5	-
180-SPA-03-2517	180	185.5	2517	60	2	145	-	45	5	-
190-SPA-03-2517	190	195.5	2517	60	2	155	-	45	5	-
200-SPA-03-2517	200	205.5	2517	60	2	165	-	45	5	-
212-SPA-03-2517	212	217.5	2517	60	2	177	-	45	5	-
224-SPA-03-2517	224	229.5	2517	60	7	189	2.5	45	2.5	118
236-SPA-03-2517	236	241.5	2517	60	7	201	2.5	45	2.5	118
250-SPA-03-2517	250	255.5	2517	60	5	215	2.5	45	2.5	118
265-SPA-03-2517	265	270.5	2517	60	5	230	2.5	45	2.5	118
280-SPA-03-2517	280	285.5	2517	60	5	245	2.5	45	2.5	118
300-SPA-03-3020	300	305.5	3020	75	4	265	0.5	51	0.5	152



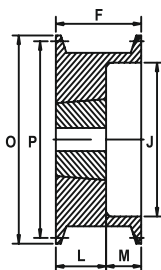
Dimensions A & SPA - 04

F = 65mm

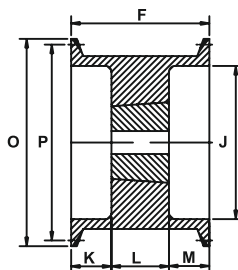
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
80-A-04-1215	80	85.5	1215	30	6	50	27	38	-	-
85-A-04-1215	85	90.5	1215	30	6	55	27	38	-	-
90-A-04-1615	90	95.5	1615	38	6	60	27	38	-	-
95-SPA-04-1615	95	100.5	1615	38	6	65	27	38	-	-
100-SPA-04-1615	100	105.5	1615	38	6	65	27	38	-	-
106-SPA-04-1615	106	111.5	1615	38	6	71	27	38	-	-
112-SPA-04-2017	112	117.5	2017	50	6	77	20	45	-	-
118-SPA-04-2017	118	123.5	2017	50	6	84	20	45	-	-
125-SPA-04-2017	125	130.5	2017	50	6	90	20	45	-	-
132-SPA-04-2517	132	137.5	2517	60	6	100	20	45	-	-
140-SPA-04-2517	140	145.5	2517	60	6	105	20	45	-	-
150-SPA-04-2517	150	155.5	2517	60	2	115	-	45	20	-
160-SPA-04-2517	160	165.5	2517	60	2	125	-	45	20	-
170-SPA-04-2517	170	175.5	2517	60	2	135	-	45	20	-
180-SPA-04-2517	180	185.5	2517	60	2	145	-	45	20	-
190-SPA-04-2517	190	195.5	2517	60	2	155	-	45	20	-
200-SPA-04-3020	200	205.5	3020	75	2	165	-	51	14	-
212-SPA-04-3020	212	217.5	3020	75	2	177	-	51	14	-
224-SPA-04-3020	224	229.5	3020	75	2	189	-	51	14	-
236-SPA-04-3020	236	241.5	3020	75	2	201	-	51	14	-
250-SPA-04-3020	250	255.5	3020	75	2	215	-	51	14	-
265-SPA-04-3020	265	270.5	3020	75	2	230	-	51	14	-
280-SPA-04-3020	280	285.5	3020	75	7	245	7	51	7	152
300-SPA-04-3020	300	305.5	3020	75	7	265	7	51	7	152



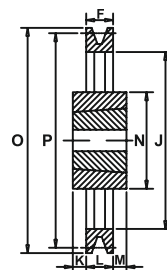
TYPE-1



TYPE-2



TYPE-3

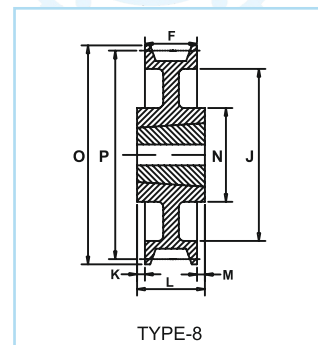
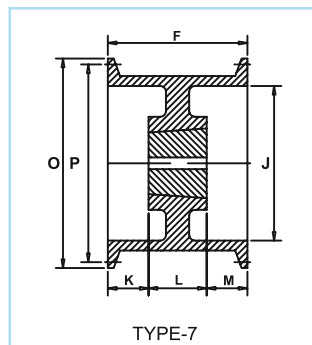
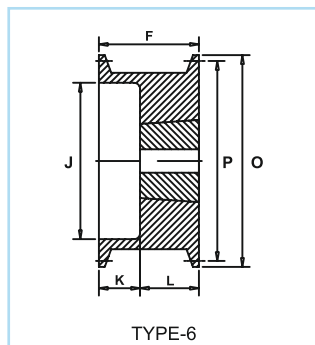
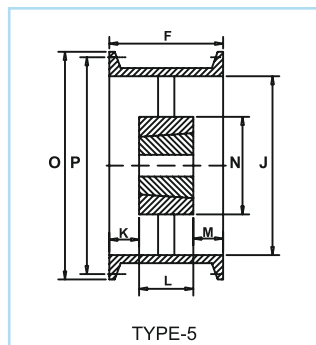


TYPE-4

Dimensions A & SPA - 05

F = 80mm

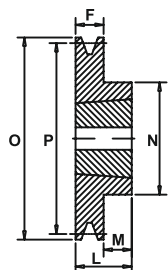
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
80-A-05-1215	80	85.5	1215	30	6	50	42	38	-	-
85-A-05-1215	85	90.5	1215	30	6	55	42	38	-	-
90-A-05-1615	90	95.5	1615	38	6	60	42	38	-	-
95-SPA-05-1615	95	100.5	1615	38	6	65	42	38	-	-
100-SPA-05-1615	100	105.5	1615	38	6	65	42	38	-	-
106-SPA-05-2017	106	111.5	2017	50	6	71	35	45	-	-
112-SPA-05-2017	112	117.5	2017	50	6	77	35	45	-	-
118-SPA-05-2017	118	123.5	2017	50	6	84	35	45	-	-
125-SPA-05-2017	125	130.5	2017	50	2	91	-	45	35	-
132-SPA-05-2517	132	137.5	2517	60	6	98	35	45	-	-
140-SPA-05-2517	140	145.5	2517	60	6	105	35	45	-	-
150-SPA-05-2517	150	155.5	2517	60	2	115	-	45	35	-
160-SPA-05-2517	160	165.5	2517	60	2	125	-	45	35	-
170-SPA-05-2517	170	175.5	2517	60	2	135	-	45	35	-
180-SPA-05-3020	180	185.5	3020	75	2	145	-	51	29	-
190-SPA-05-3020	190	195.5	3020	75	2	155	-	51	29	-
200-SPA-05-3020	200	205.5	3020	75	2	165	-	51	29	-
212-SPA-05-3020	212	217.5	3020	75	2	177	-	51	29	-
224-SPA-05-3020	224	229.5	3020	75	2	189	-	51	29	-
236-SPA-05-3020	236	241.5	3020	75	7	201	14.5	51	14.5	152
250-SPA-05-3020	250	255.5	3020	75	7	215	14.5	51	14.5	152
265-SPA-05-3020	265	270.5	3020	75	7	230	14.5	51	14.5	152
280-SPA-05-3535	280	285.5	3535	90	8	245	4.5	89	4.5	185
300-SPA-05-3535	300	305.5	3535	90	8	265	4.5	89	4.5	185



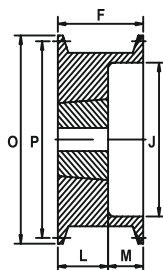
Dimensions A & SPA - 06

F = 95mm

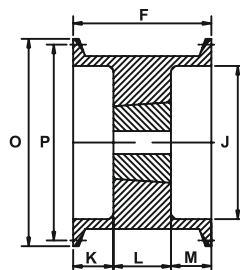
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
100-SPA-06-1615	100	105.5	1615	38	6	65	57	38	-	-
106-SPA-06-2017	106	111.5	2017	50	6	71	50	45	-	-
112-SPA-06-2017	112	117.5	2017	50	6	77	50	45	-	-
118-SPA-06-2017	118	123.5	2017	50	6	84	50	45	-	-
125-SPA-06-2017	125	130.5	2017	50	3	91	25	45	25	-
132-SPA-06-2517	132	137.5	2517	60	3	98	25	45	25	-
140-SPA-06-2517	140	145.5	2517	60	3	105	25	45	25	-
150-SPA-06-2517	150	155.5	2517	60	3	115	25	45	25	-
160-SPA-06-2517	160	165.5	2517	60	3	125	25	45	25	-
170-SPA-06-2517	170	175.5	2517	60	3	135	25	45	25	-
180-SPA-06-3020	180	185.5	3020	75	3	145	22	51	22	-
190-SPA-06-3020	190	195.5	3020	75	3	155	22	51	22	-
200-SPA-06-3020	200	205.5	3020	75	3	165	22	51	22	-
212-SPA-06-3020	212	217.5	3020	75	3	177	22	51	22	-
224-SPA-06-3020	224	229.5	3020	75	3	189	22	51	22	-
236-SPA-06-3020	236	241.5	3020	75	7	201	22	51	22	152
250-SPA-06-3020	250	255.5	3020	75	7	215	22	51	22	152
265-SPA-06-3020	265	270.5	3020	75	7	230	22	51	22	152
280-SPA-06-3535	280	285.5	3535	90	7	245	3	89	3	185
300-SPA-06-3535	300	305.5	3535	90	7	265	3	89	3	185



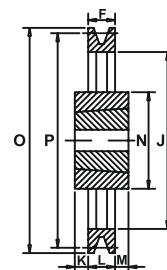
TYPE-1



TYPE-2



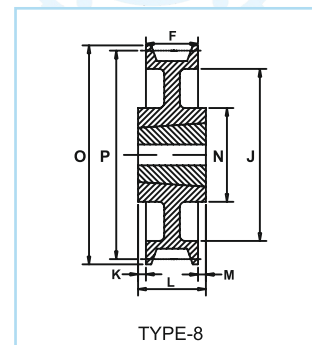
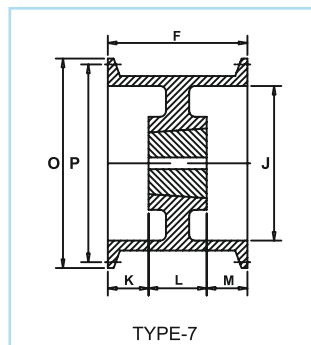
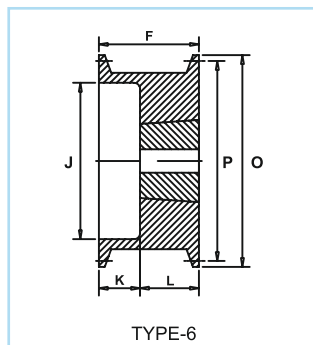
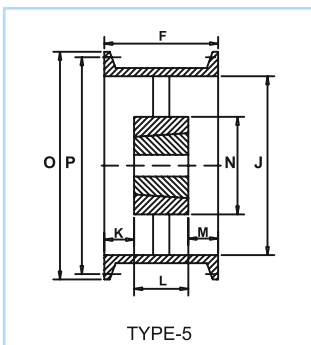
TYPE-3



TYPE-4

Dimensions B & SPB - 01**F = 25mm**

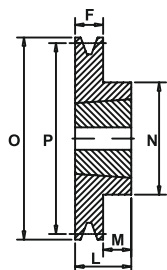
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
75-B-01-1108	75	82	1108	26	1	-	-	22	-	-
80-SPB-011108	80	87	1108	26	1	-	-	22	-	-
85-SPB-01-1108	85	92	1108	26	1	-	-	22	-	-
90-SPB-01-1108	90	97	1108	26	1	-	-	22	-	-
95-B-01-1610	95	102	1610	38	1	-	-	25	-	-
100-SPB-01-1610	100	107	1610	38	1	-	-	25	-	-
106-SPB-01-1610	106	113	1610	38	1	-	-	25	-	-
112-SPB-01-1610	112	119	1610	38	1	-	-	25	-	-
118-SPB-01-1610	118	125	1610	38	1	-	-	25	-	-
125-SPB-01-1610	125	132	1610	38	1	-	-	25	-	-
132-SPB-01-1610	132	139	1610	38	1	-	-	25	-	-
140-SPB-01-1610	140	147	1610	38	1	-	-	25	-	-
150-SPB-01-1610	150	157	1610	38	1	-	-	25	-	-
160-SPB-01-1610	160	167	1610	38	1	-	-	25	-	-
170-SPB-01-2012	170	177	2012	50	1	-	-	32	7	99
180-SPB-01-2012	180	187	2012	50	1	-	-	32	7	99
190-SPB-01-2012	190	197	2012	50	1	-	-	32	7	99
200-SPB-01-2012	200	207	2012	50	8	154	3.5	32	3.5	99
212-SPB-01-2012	212	219	2012	50	8	166	3.5	32	3.5	99
224-SPB-01-2012	224	231	2012	50	8	178	3.5	32	3.5	99
236-SPB-01-2012	236	243	2012	50	8	190	3.5	32	3.5	99
250-SPB-01-2012	250	257	2012	50	4	204	3.5	32	3.5	99
265-SPB-01-2012	265	272	2012	50	4	219	3.5	32	3.5	99
280-SPB-01-2012	280	287	2012	50	4	234	3.5	32	3.5	99
300-SPB-01-2012	300	307	2012	50	4	254	3.5	32	3.5	99



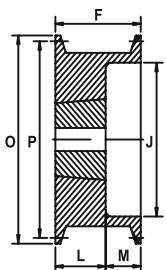
Dimensions B & SPB - 02

F = 44mm

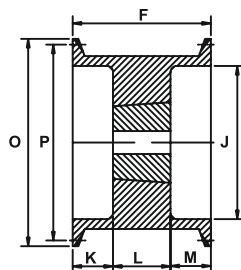
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
100-B-02-1615	100	107	1615	38	1	-	-	38	-	-
106-SPB-02-1615	106	113	1615	38	1	-	-	38	-	-
112-SPB-02-1615	112	119	1615	38	1	-	-	38	-	-
118-SPB-02-1615	118	125	1615	38	1	-	-	38	-	-
125-SPB-02-1615	125	132	1615	38	6	85	6	38	-	-
132-SPB-02-1615	132	139	1615	38	6	86	6	38	-	-
140-SPB-02-1615	140	147	1615	38	6	94	6	38	-	-
150-SPB-02-2012	150	157	2012	50	2	104	-	32	12	-
160-SPB-02-2012	160	167	2012	50	2	114	-	32	12	-
170-SPB-02-2012	170	177	2012	50	2	124	-	32	12	-
180-SPB-02-2012	180	187	2012	50	2	134	-	32	12	-
190-SPB-02-2517	190	197	2517	60	1	-	-	45	-	-
200-SPB-02-2517	200	207	2517	60	1	-	-	45	-	-
212-SPB-02-2517	212	219	2517	60	1	-	-	45	-	-
224-SPB-02-2517	224	231	2517	60	8	178	0.5	45	0.5	118
236-SPB-02-2517	236	243	2517	60	8	190	0.5	45	0.5	118
250-SPB-02-2517	250	257	2517	60	8	204	0.5	45	0.5	118
265-SPB-02-2517	265	272	2517	60	4	219	0.5	45	0.5	118
280-SPB-02-2517	280	287	2517	60	4	234	0.5	45	0.5	118
300-SPB-02-2517	300	307	2517	60	4	254	0.5	45	0.5	118



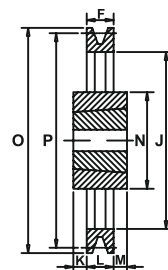
TYPE-1



TYPE-2



TYPE-3



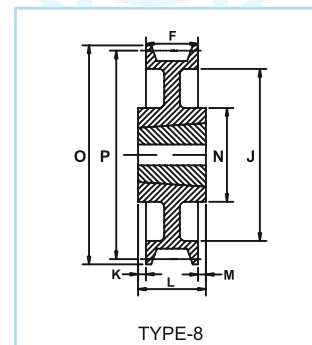
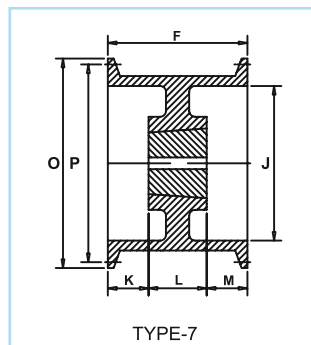
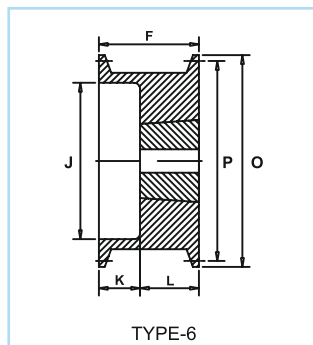
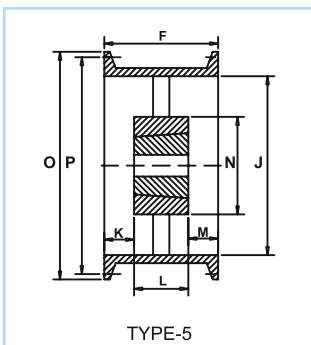
TYPE-4

Dimensions B & SPB - 03

F = 63mm

Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
100-B-03-1615	100	107	1615	38	6	65	25	38	-	-
106-B-03-1615	106	113	1615	38	6	71	25	38	-	-
112-B-03-1615	112	119	1615	38	6	77	25	38	-	-
118-B-03-1615	118	125	1615	38	2	85	-	38	25	-
125-SPB-03-1615	125	132	1615	38	2	85	-	38	25	-
132-SPB-03-1615	132	139	1615	38	2	86	-	38	25	-
140-SPB-03-2017	140	147	2017	50	2	100	-	45	18	-
150-SPB-03-2017	150	157	2017	50	2	104	-	45	18	-
160-SPB-03-2517	160	167	2517	60	2	114	-	45	18	-
170-SPB-03-2517	170	177	2517	60	2	124	-	45	18	-
180-SPB-03-2517	180	187	2517	60	2	134	-	45	18	-
190-SPB-03-2517	190	197	2517	60	2	144	-	45	18	-
200-SPB-03-2517	200	207	2517	60	2	154	-	45	18	-
212-SPB-03-2517	212	219	2517	60	2	166	-	45	18	-
224-SPB-03-2517	224	231	2517	60	7	178	9	45	9	118
236-SPB-03-2517	236	243	2517	60	7	190	9	45	9	118
250-SPB-03-3020	250	257	3020	75	7	204	6	51	6	152
265-SPB-03-3020	265	272	3020	75	7	219	6	51	6	152
280-SPB-03-3020	280	287	3020	75	7	234	6	51	6	152
300-SPB-03-3020	300	307	3020	75	7	254	6	51	6	152

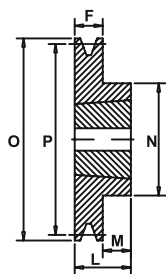




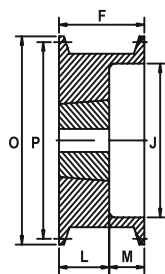
Dimensions B & SPB - 04

F = 82mm

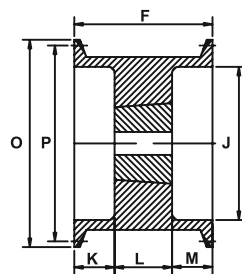
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
125-SPB-04-2017	125	132	2017	50	3	85	18.5	45	18.5	-
132-SPB-04-2017	132	139	2017	50	3	86	18.5	45	18.5	-
140-SPB-04-2017	140	147	2017	50	3	100	18.5	45	18.5	-
150-SPB-04-2017	150	157	2017	50	3	104	18.5	45	18.5	-
160-SPB-04-2517	160	167	2517	60	3	114	18.5	45	18.5	-
170-SPB-04-2517	170	177	2517	60	3	124	18.5	45	18.5	-
180-SPB-04-2517	180	187	2517	60	3	134	18.5	45	18.5	-
190-SPB-04-2517	190	197	2517	60	3	144	18.5	45	18.5	-
200-SPB-04-3020	200	207	3020	75	2	154	-	51	31	-
212-SPB-04-3020	212	219	3020	75	2	166	-	51	31	-
224-SPB-04-3020	224	231	3020	75	2	178	-	51	31	-
236-SPB-04-3020	236	243	3020	75	2	190	-	51	31	-
250-SPB-04-3020	250	257	3020	75	2	204	-	51	31	-
265-SPB-04-3020	265	272	3020	75	2	219	-	51	31	-
280-SPB-04-3020	280	287	3020	75	2	234	-	51	31	-
300-SPB-04-3020	300	307	3020	75	2	254	-	51	31	-



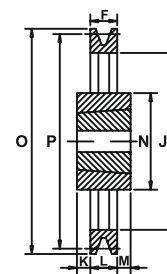
TYPE-1



TYPE-2



TYPE-3

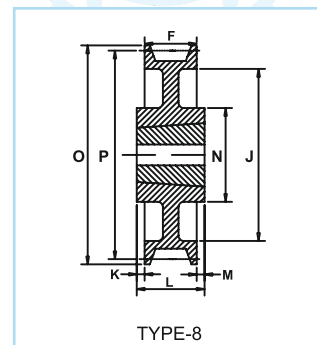
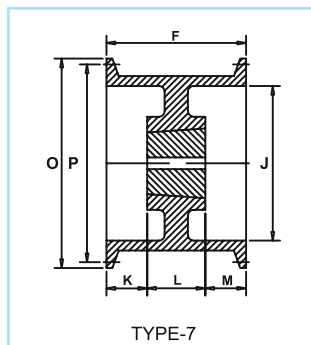
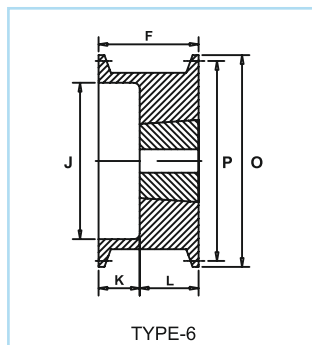
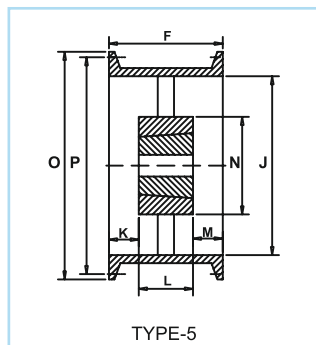


TYPE-4

Dimensions B & SPB - 05

F = 101mm

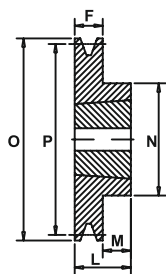
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
125-B-05-2017	125	132	2017	50	3	89	28	45	28	-
132-B-05-2017	132	139	2017	50	2	92	-	45	56	-
140-B-05-2017	140	147	2017	50	2	100	-	45	56	-
150-B-05-2517	150	157	2517	60	2	111	-	45	56	-
160-SPB-05-2517	160	167	2517	60	2	114	-	45	56	-
170-SPB-05-3020	170	177	3020	75	3	124	25	51	25	-
180-SPB-05-3020	180	187	3020	75	3	134	25	51	25	-
190-SPB-05-3020	190	197	3020	75	2	144	-	51	50	-
200-SPB-05-3020	200	207	3020	75	2	154	-	51	50	-
212-SPB-05-3020	212	219	3020	75	2	166	-	51	50	-
224-SPB-05-3020	224	231	3020	75	2	178	-	51	50	-
236-SPB-05-3020	236	243	3020	75	2	190	-	51	50	-
250-SPB-05-3020	250	257	3020	75	2	204	-	51	50	-
265-SPB-05-3535	265	272	3535	90	2	219	-	89	12	-
280-SPB-05-3535	280	287	3535	90	2	234	-	89	12	-
300-SPB-05-3535	300	307	3535	90	7	254	6	89	6	-



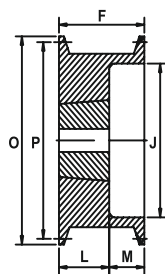
Dimensions B & SPB - 06

F = 120mm

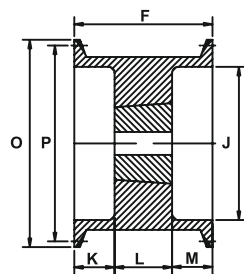
Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
125-B-06-2017	125	132	2017	50	3	89	37.5	45	37.5	-
132-B-06-2017	132	139	2017	50	3	92	37.5	45	37.5	-
140-B-06-2017	140	147	2017	50	3	100	37.5	45	37.5	-
150-B-06-2517	150	157	2517	60	2	111	-	45	75	-
160-SPB-06-2517	160	167	2517	60	2	114	-	45	75	-
170-SPB-06-3020	170	177	3020	75	3	128	34.5	51	34.5	-
180-SPB-06-3020	180	187	3020	75	3	134	34.5	51	34.5	-
190-SPB-06-3020	190	197	3020	75	2	144	-	51	69	-
200-SPB-06-3020	200	207	3020	75	2	154	-	51	69	-
212-SPB-06-3020	212	219	3020	75	2	166	-	51	69	-
224-SPB-06-3020	224	231	3020	75	2	178	-	51	69	-
236-SPB-06-3020	236	243	3020	75	2	190	-	51	69	-
250-SPB-06-3020	250	257	3020	75	2	204	-	51	69	-
265-SPB-06-3535	265	272	3535	90	2	219	-	89	31	-
280-SPB-06-3535	280	287	3535	90	2	234	-	89	31	-
300-SPB-06-3535	300	307	3535	90	7	254	15.5	89	15.5	-



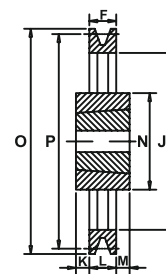
TYPE-1



TYPE-2



TYPE-3

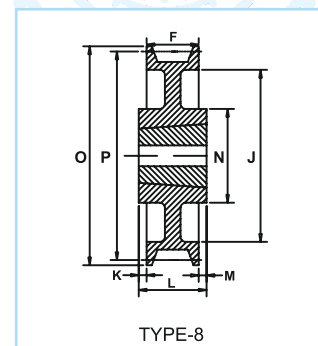
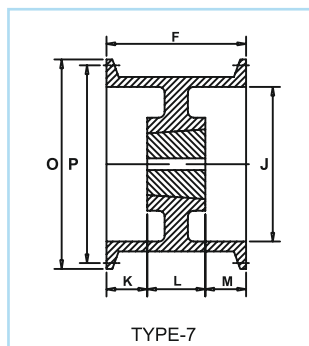
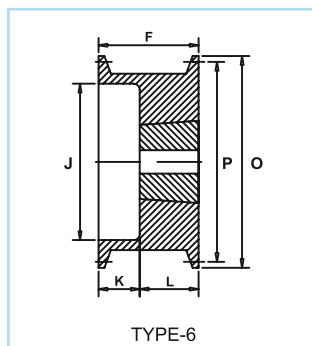
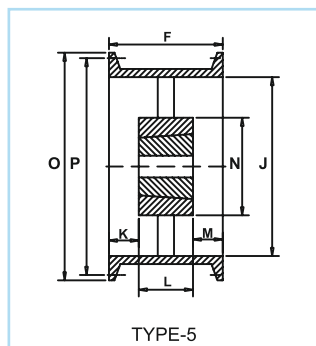


TYPE-4

Dimensions C & SPC - 02

F = 59.5mm

Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
150-SPC-02-2012	150	159.6	2012	50	6	87	27.5	32	-	-
160-SPC-02-2012	160	169.6	2012	50	2	101	-	32	27.5	-
170-SPC-02-2012	170	179.6	2012	50	2	107	-	32	27.5	-
180-SPC-02-2517	180	189.6	2517	60	2	117	-	45	14.5	-
190-SPC-02-2517	190	199.6	2517	60	2	127	-	45	14.5	-
200-SPC-02-2517	200	209.6	2517	60	2	137	-	45	14.5	-
212-SPC-02-2517	212	221.6	2517	60	2	149	-	45	14.5	-
224-SPC-02-2517	224	233.6	2517	60	2	161	-	45	14.5	-
236-SPC-02-2517	236	245.6	2517	60	2	173	-	45	14.5	-
250-SPC-02-3020	250	259.6	3020	75	2	187	-	51	8.5	-
265-SPC-02-3020	265	274.6	3020	75	2	202	-	51	8.5	-
280-SPC-02-3020	280	289.6	3020	75	7	217	4.25	51	4.25	152
300-SPC-02-3020	300	309.6	3020	75	7	237	4.25	51	4.25	152



Dimensions C & SPC - 03

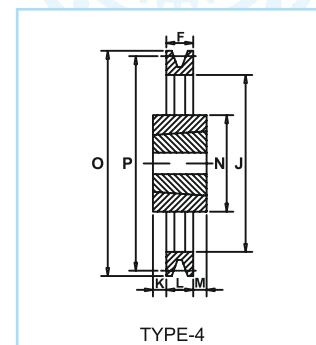
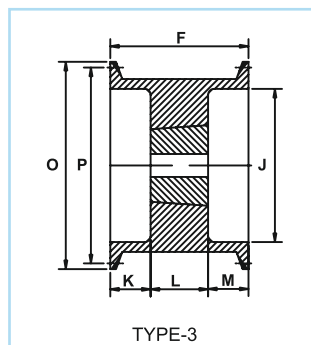
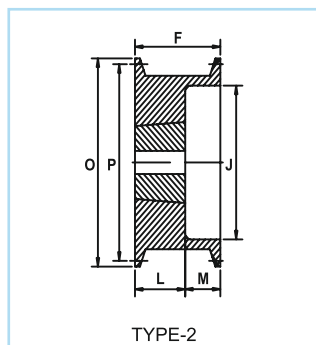
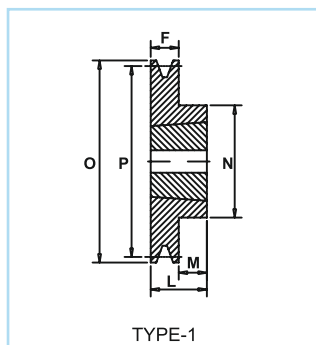
F = 85mm

Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
150-SPC-03-2017	150	159.6	2017	50	3	91	20	45	20	-
160-SPC-03-2017	160	169.6	2017	50	3	101	20	45	20	-
170-SPC-03-2017	170	179.6	2017	50	3	107	20	45	20	-
180-SPC-03-2517	180	189.6	2517	60	3	117	20	45	20	-
190-SPC-03-2517	190	199.6	2517	60	3	127	20	45	20	-
200-SPC-03-2517	200	209.6	2517	60	3	137	20	45	20	-
212-SPC-03-2517	212	221.6	2517	60	3	149	20	45	20	-
224-SPC-03-3020	224	233.6	3020	75	3	161	17	51	17	-
236-SPC-03-3020	236	245.6	3020	75	3	173	17	51	17	-
250-SPC-03-3020	250	259.6	3020	75	3	187	17	51	17	-
265-SPC-03-3535	265	274.6	3535	90	1	-	-	89	4	185
280-SPC-03-3535	280	289.6	3535	90	1	-	-	89	4	185
300-SPC-03-3535	300	309.6	3535	90	8	237	2	89	2	185

Dimensions C & SPC - 04

F = 111mm

180-SPC-04 2525	180	189.6	2525	60	3	117	23.5	64	23.5	-
190-SPC-04-2525	190	199.6	2525	60	3	127	23.5	64	23.5	-
200-SPC-04-3020	200	209.6	3020	75	3	137	30	51	30	-
212-SPC-04-3020	212	221.6	3020	75	3	149	30	51	30	-
224-SPC-04-3535	224	233.6	3535	90	3	161	11	89	11	-
236-SPC-04-3535	236	245.6	3535	90	3	173	11	89	11	-
250-SPC-04-3535	250	259.6	3535	90	3	187	11	89	11	-
265-SPC-04-3535	265	274.6	3535	90	3	202	11	89	11	-
280-SPC-04-3535	280	289.6	3535	90	3	217	11	89	11	-
300-SPC-04-3535	300	309.6	3535	90	3	237	11	89	11	-



Dimensions C & SPC - 05

F = 136mm

Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
200-C-05-3535	200	209.6	3535	90	3	151	23.5	89	23.5	-
212-C-05-3535	212	221.6	3535	90	3	163	23.5	89	23.5	-
224-SPC-05-3535	224	233.6	3535	90	3	161	23.5	89	23.5	-
236-SPC-05-3535	236	245.6	3535	90	3	173	23.5	89	23.5	-
250-SPC-05-3535	250	259.6	3535	90	3	187	23.5	89	23.5	-
265-SPC-05-3535	265	274.6	3535	90	3	202	23.5	89	23.5	-
280-SPC-05-3535	280	289.6	3535	90	3	217	23.5	89	23.5	-
300-SPC-05-3535	300	309.6	3535	90	7	237	23.5	89	23.5	-

Dimensions C & SPC - 06

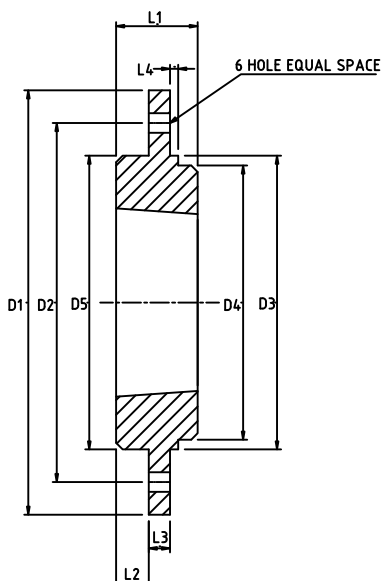
F = 161.5mm

Product Code	Pitch dia.(P)	O.D. (O)	Bush No.	Max bore	Type	J	K	L	M	N
200-C-06-3535	200	209.6	3535	90	3	151	36.25	89	36.25	-
212-C-06-3535	212	221.6	3535	90	3	163	36.25	89	36.25	-
224-SPC-06-3535	224	233.6	3535	90	3	161	36.25	89	36.25	-
236-SPC-06-3535	236	245.6	3535	90	3	173	36.25	89	36.25	-
250-SPC-06-3535	250	259.6	3535	90	3	187	36.25	89	36.25	-
265-SPC-06-3535	265	274.6	3535	90	3	202	36.25	89	36.25	-
280-SPC-06-3535	280	289.6	3535	90	3	217	36.25	89	36.25	-
300-SPC-06-3535	300	309.6	3535	90	7	237	36.25	89	36.25	-

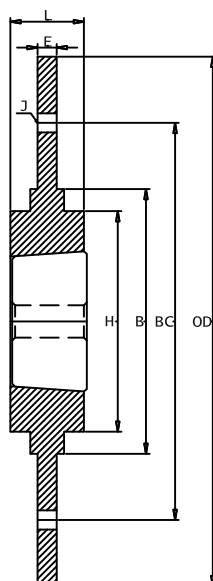
TAPER BUSH BOLT ON HUB

DERK Taper Bush Bolt Hub are convenient to mount rotors, Impellers, Agitators and other rotating device with the use of bolts for secure shaft mounting assembly.

DERK Bolt On Hub assembly are design for use with the universally accepted taper bush.



BH Series



SM Series



Product Code	BUSH USE	D1	D2	D3*	D4	D5	L1	L2	L3	L4	BOLT USE
BH 1210	1210	120	100	80	74	80	25	10	6.5	2.5	M6
BH 1610	1610	130	110	90	84	90	25	10	6.5	2.5	M6
BH 2012	2012	145	125	100	99	100	32	13	8.5	2.5	M8
BH 2517	2517	185	155	130	120	119	44	20	11.5	2.5	M10
BH 3020	3020	230	190	165	146	147	50	20	11.5	2.5	M16

*Bore tolerance for D3= +0.00/-0.05mm is recommended.

Product Code	BUSH USE	OD	H	B	BC	E	L	J
SM12	1210	180	75	90	135	6.5	25	6 x Ø7.5
SM16 - 1	1610	200	85	110	150	7.5	25	6 x Ø7.5
SM16 - 2	1615	200	85	110	150	7.5	38	6 x Ø7.5
SM20	2012	270	110	140	190	8.5	32	6 x Ø9.5
SM25	2517	340	125	170	240	9.5	45	8 x Ø11.5
SM30-1	3020	430	147	220	300	13.5	51	8 x Ø13.5
SM30-2	3020	485	147	250	340	14	51	8 x Ø13.5

*Bore tolerance for B= +0.00/-0.05mm is recommended.

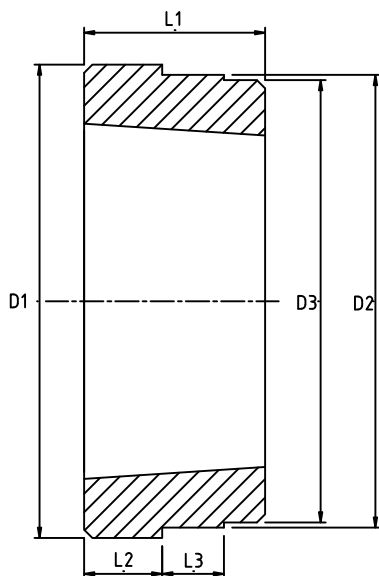


TAPER BUSH WELD ON HUB

DERK Taper bush weld hub made of steel material to weld with rotating elements like Impellers, Sprockets, Steel Pulley, Rotors, Agitators and many other device for secure mounting assembly.

DERK weld hub are design for use with the universally accepted taper bush made by standard manufacturer.

It is recommended to weld on larger hub diameter D1 and 45 degree continuous weld be used. Do not use excess weld for avoid distortion.

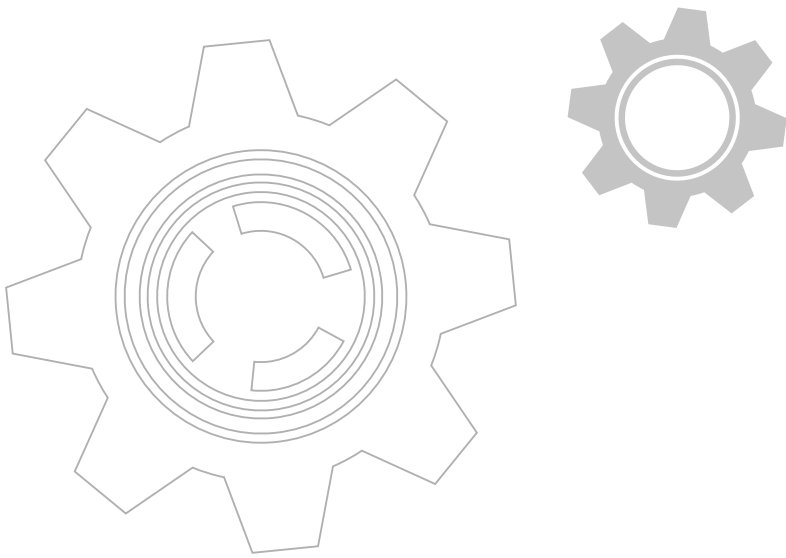


Product Code	BUSH USE	D1	D2*	D3	L1	L2	L3
WH 1210	1210	70	65	64.5	25	9	10
WH 1610	1610	80	75	74.5	25	9	10
WH 2012	2012	95	90	89.5	32	12	12
WH 2517	2517	115	110	109.5	44	19	15
WH 3020	3020	145	140	139.5	50	20	15
WH 3525	3525	190	180	179.5	65	25	25
WH 4030	4030	200	190	189.5	76	32	30
WH 4535	4535	210	200	199.5	89	40	30
WH 5040	5040	230	220	219.5	102	40	35

*Bore tolerance for D2= +0.00/-0.05mm recommended.

Notes :





Mechanical Power Drives

www.derkindustries.com

Derk Industries

Mfg. of: DERK & JAY Brand Mechanical Power Transmission Products

 Shree Hari Industrial Zone - 2, Street No.11, Aji Ring Road,
Nr. IOC Petrol Pump, Rajkot - 360 002, Gujarat. INDIA

 097123 70303 | 099098 53939
 derkindustries@yahoo.com