

## Fluid couplings

### Features:

Improve the starting capability of electric motor, protect motor against overloading, damp shock, load fluctuation and torsional vibration, and balance and load distribution in case of multimotor drives.

### Applications:

Belt conveyers, csrapper conveyers, and conveyers of all kinds Bucket elevators, ball mills, hoisters, crushers, excavators, mixers, straighteners, cranes, etc.

### Selection power table

(KW)

### Technical data sheet of constant filling fluid couplings

Item no.	600 (r/min)	750 (r/min)	1000 (r/min)	1500 (r/min)	3000 (r/min)	Liquid (L)	Weight (KG)
YOX-190				0.6-1.1	4.5-9.0	0.4-0.8	8.0
YOX-200				0.75-1.5	5.5-11	0.5-1.0	9.5
YOX-220			0.4-0.8	1.1-2.2	10-18.5	0.8-1.6	14
YOX-250			0.7-1.5	2.5-5.0	15-30	1.1-2.2	15
YOX-280			1.5-3.0	4.0-7.5	37-60	1.5-3.0	18
YOX-320		1.1-2.2	2.7-5.0	7.5-15	45-0	2.5-5.0	28
YOX-340		1.6-3.0	3.0-7.0	11-22	45-80	3.0-6.0	30
YOX-360		2.0-3.8	4.5-9.0	15-30	50-100	3.5-7.0	46
YOX-400		3.0-6.0	7.5-15	22-45	80-145	4.6-9.0	65
YOX-420		3.5-7	11-18.5	37-60		6.5-12	66
YOX-450		6.1-11	14-28	40-75		6.5-13	70
YOX-500		10-19	26-50	75-132		10-19	133
YOX-560		19-30	45-90	132-250		14-27	158
YOX-600	12-24	25-50	60-120	200-375		24-40	170
YOX-650	23-45	40-80	90-185	280-500		25-46	210
YOX-710	30-60	60-115	150-280			37-60	310
YOX-750	40-80	80-160	200-360			40-80	348
YOX-800	45-90	110-220	280-500			50-95	420
YOX-1000	140-280	270-550				70-140	510

### SELECTION:

Without special requirements the following technical data sheet and power chart are used to select the proper size of fluid coupling with oil medium according to the power transmitted and the speed of motor, e.i, the input of the fluid coupling.

When ordering, please specify the dimensions of the shaft ends of motor and driven machine (or reducer) including diameter, tolerance or fit of the shafts (if no tolerance or fit is specified, the bores will be machined to H7), fit length of the shafts, width and depth of the keys (of notice the standard No. enforced). For ordering the fluid couplings with belt pulley, brake pulley or other special requirements please state the technical data in detail.

YOXz is a coincidence machine with moving wheel which is in the output point of the coincidence machine

and is connected with elastic axle connecting machine (plum blossom type elastic axle connecting machine or elastic pillar axle-connecting machine or even the axle-connecting machine designated by customers). Usually there are 3 connection types.

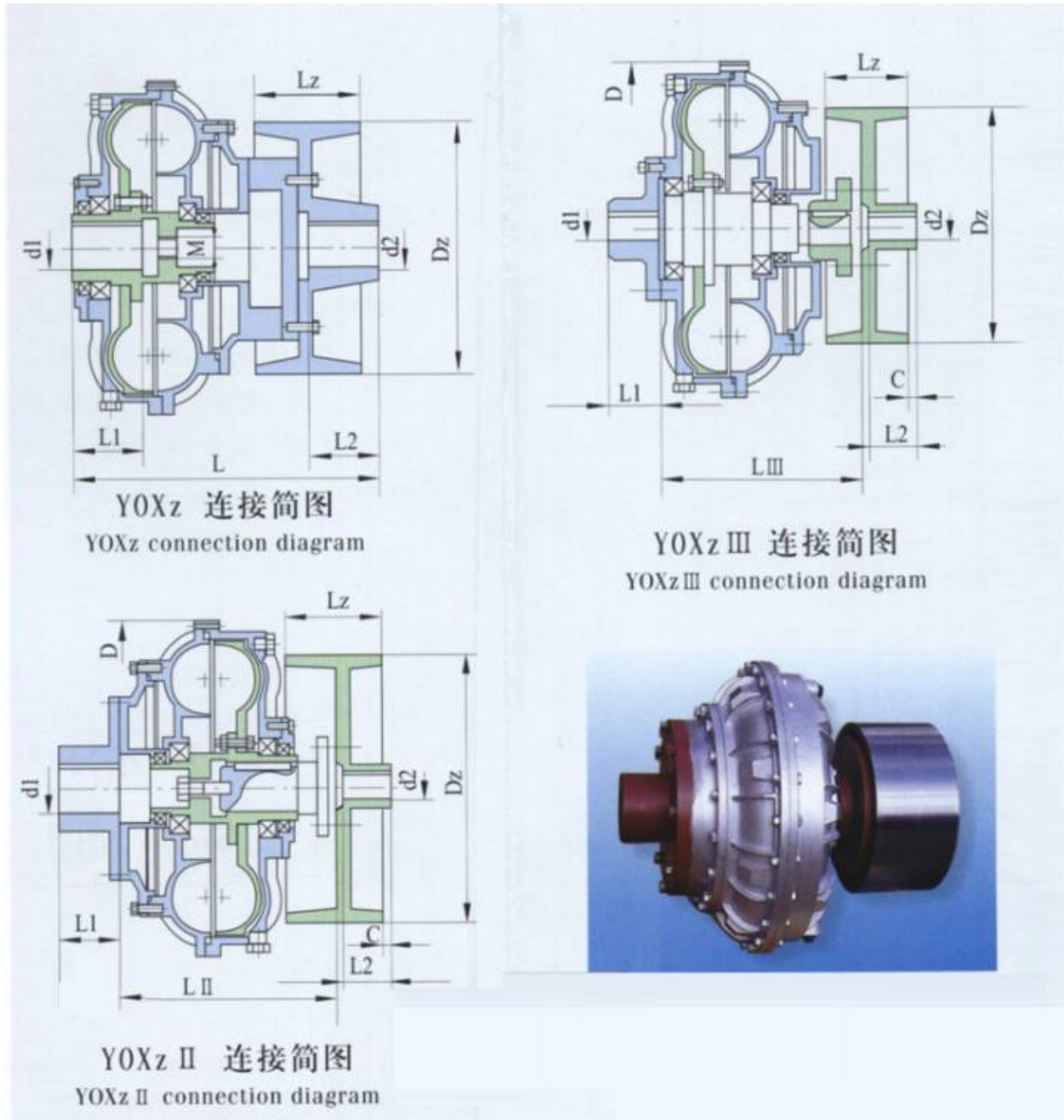
YOXz is inner wheel driver which has tight structure and the smallest axle size. The fittings of YOXz have a wide usage, simple structure and the size of it has basically be unified in the trade. The connection style of YOXz is that the axle size of it is longer but it is unnecessary to move the electromotive machine and decelerating machine. Only demolish the weak pillar and connected spiral bolt can unload the coincidence machine so it is extreme convenient. Customer must offer the size of electromotive machine axle (d1 L1) and decelerating machine axle (d2 L2). The wheel size (Dz Lz C) in the table is just for reference, the actual size is decided by customers.

### Select table of YOXz YOXz II YOXzIII size and specification

Item	D	Dz/Lz	C	d1	L1	d2	L2	L	L II	LIII	M
YOX-280	328	200/85	10	35	80	45	90	300	245	230	20
YOX-320	380	200/85	10	40	110	50	110	310	245	280	30×1.5
YOX-360	422	250/105	10	55	110	55	110	360	260	300	30×1.5
YOX-400	465	315/135	10	60	140	65	140	450	260	350	36×2
YOX-450	522	315/135	10	70	140	70	140	505	280	390	42×2
YOX-500	572	400/170	10	85	170	90	170	575	302	410	42×2
YOX-560	642	400/170	10	100	170	110	170	600	366	440	42×2
YOX-600	695	500/210	15	100	170	130	180	670	380	470	48×2
YOX-650	745	500/210	15	120	210	130	250	725	390	440	48×2
YOX-710	815	630/265	15	120	210	130	250	760	460	560	48×2
YOX-750	850	630/265	20	140	250	150	250	800	520	580	56×2

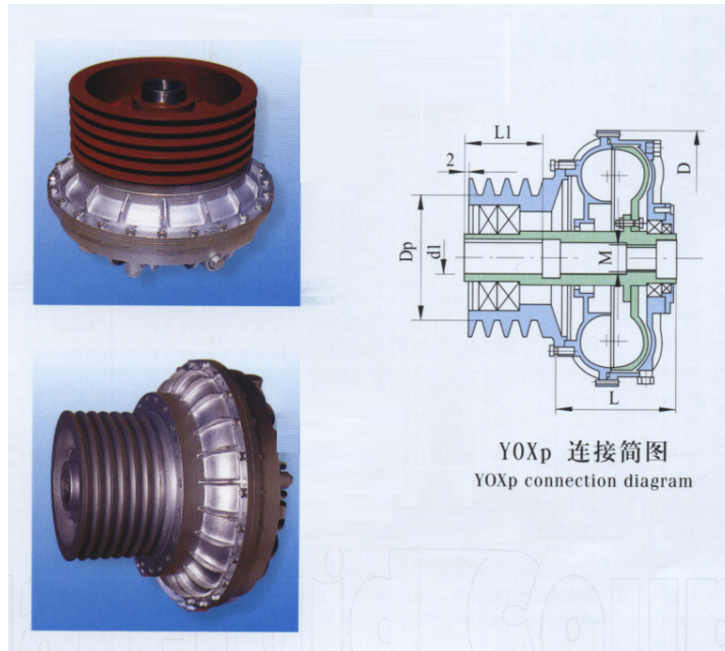
### select table of YOXp type size and specification

规格	D	L	d1 (max)	L1	Dp (min)	M
YOXp-190	235	102	25	60	78	16
YOXp-200	240	112	25	70	80	16
YOXp-220	260	175	30	80	80	16
YOXp-250	300	155	38	80	110	16
YOXp-280	328	160	38	100	120	20
YOXp-320	380	170	48	110	130	30×1.5
YOXp-360	422	190	55	120	150	30×1.5
YOXp-400	465	225	65	130	150	36×2
YOXp-450	522	240	70	140	200	42×2
YOXp-500	572	250	85	170	200	42×2
YOXp-560	642	285	100	180	250	42×2
YOXp-600	695	330	100	180	250	48×2
YOXp-650	745	345	120	210	300	48×2



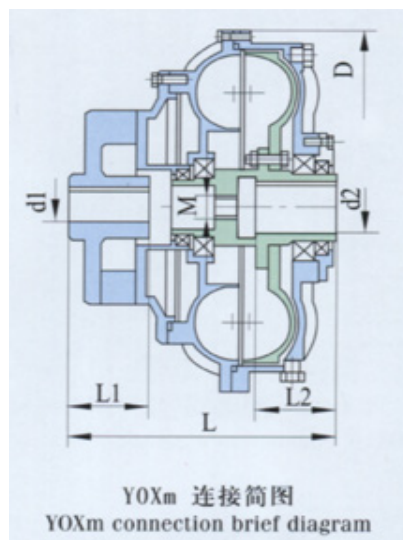
**Attention:**

the smallest size Dp belt tray can do.the largeat size the d1 axle hole can doYOxp type is a connection style of belt tray with hydraulic coincidence machine. The electromotive machine (or decelerating machine) axle directly inserts in the axle hole of the coincidence machine which is suitable in equipment transported by belt.Customer must supply the connection size of electromotive machine axle ( $d1$   $L1$ ) and the detailed specification and size of belt tray.



YOXm is one that the axle of decelerating machine directly inserts in the axle hole of coincidence machine and the electromotive machine point ML(GB5272-85) connects with plum blossom type elastic axle connecting machine. It is reliable connected and has simple structure, the smallest axle size which is a common connection type in current small coincidence machine.

Customer must supply the size of electromotive machine axle (d1 L1) and decerating machine axle (d2 L2) as shown in the picture, others if customer do not supply, we will manufacture according to the sizes in the table.



**select table of YOXm type specification and size**

Item no.	D	L (min)	d1 (max)	L1	d2 (max)	L2	M (拆卸螺孔)	M
YOXm-190	235	180	30	60	25	60	16	MT4
YOXm-200	240	180	30	60	30	70	16	MT4
YOXm-220	260	200	36	70	35	70	16	MT5
YOXm-250	300	210	36	70	40	80	16	MT6
YOXm-280	328	240	40	80	45	100	20	MT7
YOXm-320	380	276	48	110	50	110	30×1.5	MT7
YOXm-340	392	282	48	110	42	110	30×1.5	MT8

YOXm-360	422	287	55	110	55	110	30×1.5	MT8
YOXm-400	465	352	60	140	60	130	36×2	MT10
YOXm-420	480	345	65	140	60	140	36×2	MT10
YOXm-450	522	384	75	140	70	140	42×2	MT10
YOXm-500	572	426	80	170	90	170	42×2	MT11
YOXm-560	642	487	100	210	100	175	42×2	MT11
YOXm-600	695	540	100	210	100	180	48×2	MT12
YOXm-650	755	522	130	210	120	210	48×2	MT12
YOXm-710	815	580	130	210	130	210	48×2	MT12
YOXm-750	850	603	140	250	140	250	56×2	MT12
YOXm-1000	1130	735	150	250	150	250	56×2	

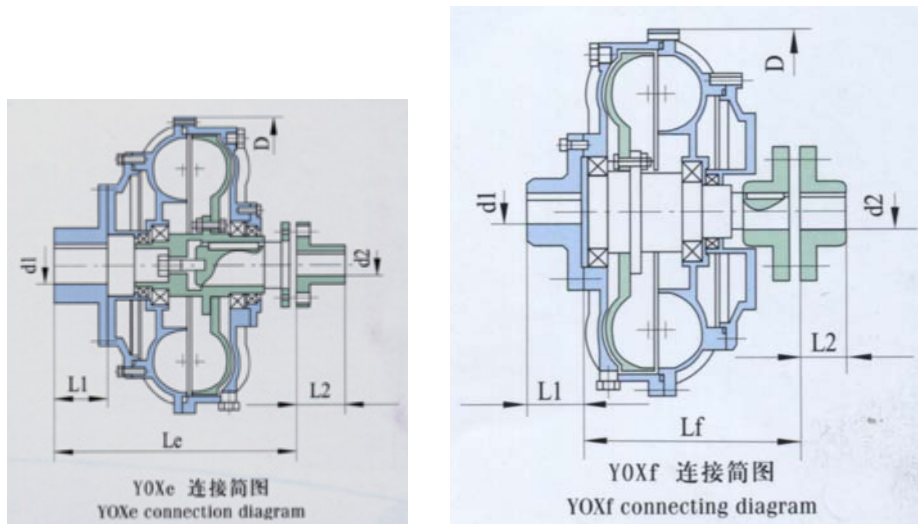
**Attention:** L in the table is the smallest axle size. If lengthen the L1, the total length of L will be added. d1, d2 are the largest size that we can do.

**select table of YOXe YOXf specification and size**

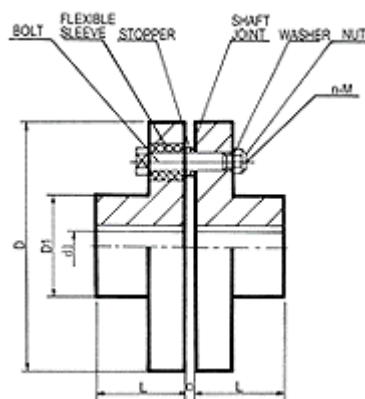
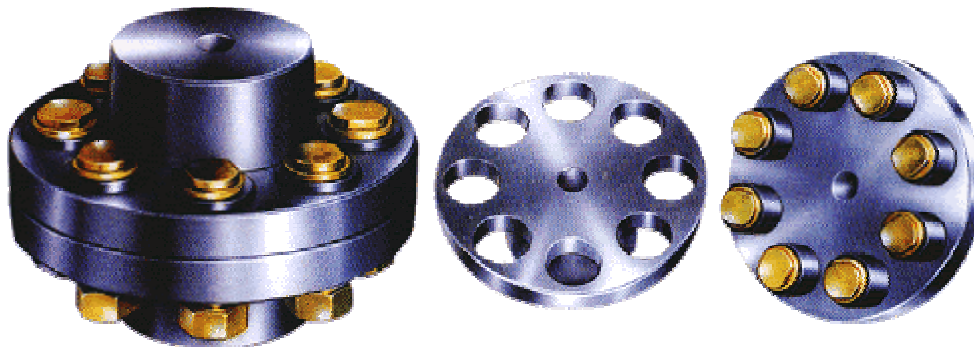
Item no.	D	L (min)		d1 (max)	L1 (max)	d2 (max)	L2 (max)	联轴器规格
		Le	Lf					
YOXf-250	300	210	210	35	80	35	80	TL4 HL2
YOXf-280	328	230	230	35	80	35	80	TL4 HL2
YOXf-320	380	300	280	48	110	48	110	TL6 HL3
YOXf-360	422	350	300	55	110	48	110	TL6 HL3
YOXf-400	465	390	350	60	140	60	140	TL7 HL4
YOXf-450	522	415	390	75	140	65	140	TL8 HL5
YOXf-500	572	450	410	85	170	85	170	TL9 HL6
YOXf-560	642	525	440	90	170	85	170	TL10 HL6
YOXf-600	695	550	470	100	170	110	210	TL10 HL7
YOXf-650	745	600	440	110	210	110	210	TL11 HL7
YOXf-710	815	600	560	120	210	125	210	TL11 HL8
YOXf-750	850	650	580	140	250	140	250	TL12 HL9
YOXf-800	908	700	580	150	250	160	300	TL12 HL10
YOXf-1000	1130	750	750	180	300	180	300	TL13 HL11

YOXf is a type connected both sides, the axle size of which is longer. But it has simple structure and it is more easy and convenient for fixing and amending (unnecessary to move the electromotive machine and decelerating machine but only the elastic pillar and connecting spiral bolt can unload the coincidence machine).

The relevant elastic axle connecting machine, connecting size and outer size is basically the same with YOXe type.



## Flange Flexible Coupling Size

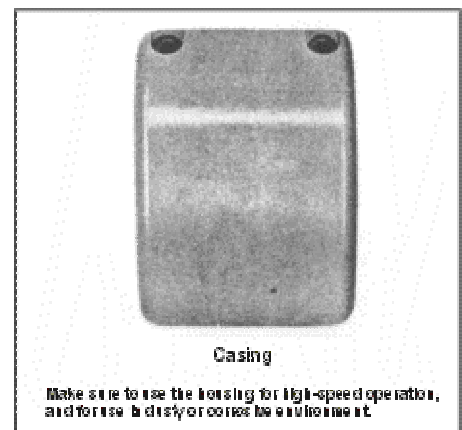
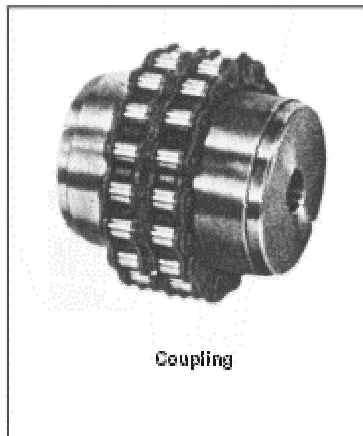
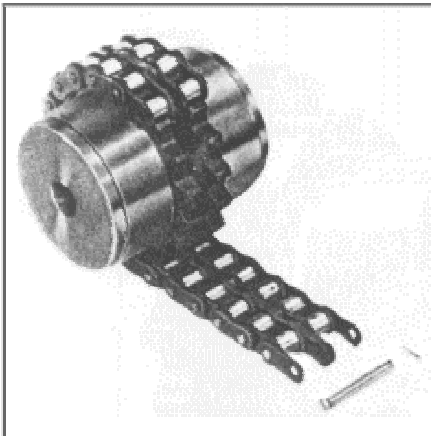


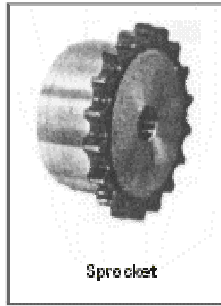
Flexible Coupling Model is widely used for its compact designing, easy installation, convenient maintenance, small size and light weight. As long as the relative displacement between shafts is kept within the specified tolerance, the coupling will operate the best function and a longer working life, thus it is greatly demanded in medium and minor power transmission systems drive by motors, such as speed reducers, hoists, compressor, spinning & weaving machines and ball mills, permissible relative displacement: Radial displacement 0.2-0.6mm ; Angel displacemente  $0^{\circ}30'$ - $1^{\circ}30'$

SIZE	N.m	r/min	D	D1	d1	L	C	n-M	KG
90	4	4000	90	35.5	11	28	3	4-M8*50	1.7
100	10	4000	100	40	11	35.5	3	4-M10*56	2.3
112	16	4000	112	45	13	40	3	4-M10*56	2.8
125	25	4000	125	50	13	45	3	4-M12*64	4.0
140	50	4000	140	63	13	50	3	6-M12*64	5.4
160	110	4000	160	80	15	56	3	8-M12*64	8.0
180	157	3500	180	90	15	63	3	8-M12*64	10.5
200	245	3200	200	100	21	71	4	8-M20*85	16.2
224	392	2850	224	112	21	80	4	8-M20*85	21.3
250	618	2550	250	125	25	90	4	8-M24*100	31.6
280	980	2300	280	140	34	100	4	8-M24*116	44.0
315	1568	2050	315	160	41	112	4	10-M24*116	57.7
355	2450	1800	355	180	60	125	5	8-M30*150	89.5
400	3920	1600	400	200	60	125	5	10-M30*150	89.5
450	6174	1400	450	224	65	140	5	12-M30*150	145
560	9800	1150	560	250	85	160	5	14-M30*150	229
630	15680	1000	630	280	95	180	5	18-M30*150	296

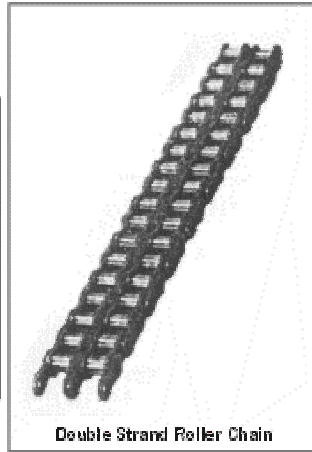
## Asia Standard chain couplings

The chain coupling composed of two-strand roller chains and two sprockets, features simple and compact structure, and high flexibility, power transmission capability and durability. What's more, the chain coupling allows simple connection/disconnection, and the use of the housing enhances safety and durability.

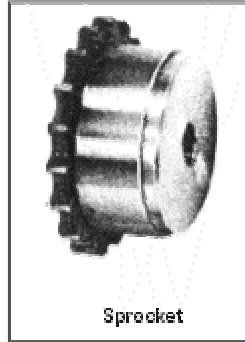




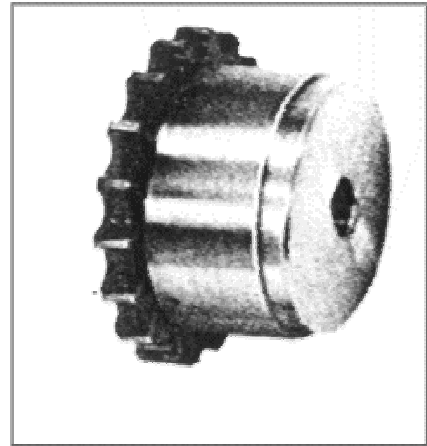
Sprocket



Double Strand Roller Chain



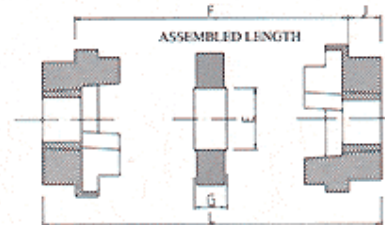
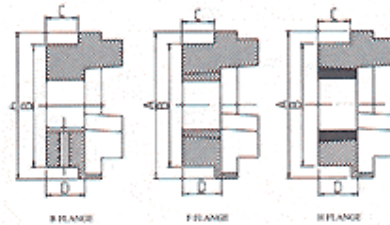
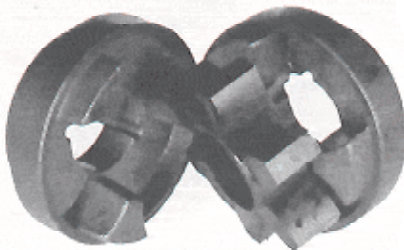
Sprocket



coupling Number	Chain pitch	Coupling										Casing		
		Drill hole	Shaft diam.		O	L	D <sub>in</sub>	L <sub>in</sub>	S	C	Approx weight kg/m	A	B	Approx weight kg/m
			Min	Max.										
3012	9.525	12	13.5	16	45	65	27.2	29.5	6.0	10.1	0.31	69	63	0.22
4012	12.70	12	14	22	62	79.4	36	36	7.4	14.4	0.73	77	72	0.30
4014		12	14	28	69	79.4	45	36			1.12	84	75	0.31
4016		13.5	16	32	77	87.4	51.5	40			1.50	92	72	0.35
5014	15.875	14.5	17	35	86	99.7	56	45	9.7	18.1	2.15	101	85	0.47
5016		14.5	18	40	96	99.7	64	45			2.75	110	87	0.50
5018		16	18	45	106	99.7	73.5	45			3.60	122	85	0.60
6018	19.05	20	22	56	127	123.5	89.5	56	11.5	22.8	6.55	147	105	1.2
6020		20	24	60	139	123.5	102.5	56			8.38	158	105	1.2
6022		20	28	71	151	123.5	116	56			10.4	168	117	1.2
8018	20.40	20	32	80	169	141.2	115	63	15.2	29.3	13.2	190	129	1.9
8020		20	36	90	185	145.2	125	65			16.2	210	137	2.5
8022		20	40	100	202	157.2	142	71			21.8	226	137	2.7
10020	31.75	25	45	110	233	178.8	162	80	18.8	35.8	32.4	281	153	4.1
12018	38.10	35	56	125	256	202.7	173	90	22.7	45.4	43.2	307	181	5.2
12022		35	56	140	304	222.7	213	100			69.1	357	181	6.7

## HRC COUPLINGS & FENAFLEX SPACER COUPLINGS

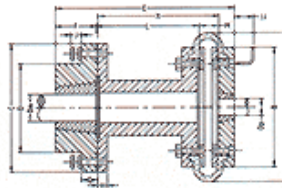
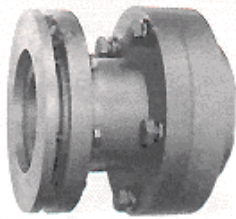
### HRC COUPLINGS



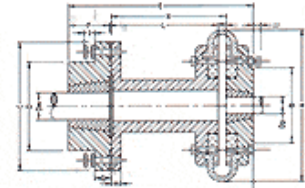


Size	Common Dimensions					Type F&G						Type B					
	A	B	E	F	G	Bosh size	Max Bore		C	D	J	Bore Dia's			Screw over key	C	D
							mm	ins.				Max	Preferred	Min			
70	69	60	31	25.0	18.0	1008	25	1"	20.0	23.5	29	32	24.3	0	M6	20	23.5
90	85	70	32	30.5	22.5	1108	28	1 1/2"	19.5	23.5	29	42	38.4	0	M6	26	30.0
110	112	100	45	45.0	29.0	1610	42	1 5/8"	18.5	26.5	38	55	42.5	0	M10	37	45.0
130	130	105	50	53.0	36.0	1610	42	1 5/8"	18.0	26.5	38	60	55.6	0	M10	39	47.5
150	150	115	62	60.0	40.0	2012	50	2"	23.5	33.5	42	70	60.7	0	M10	46	56.0
180	180	125	77	73.0	49.0	2517	60	2 1/2"	34.5	46.5	48	80	65.8	0	M10	56	70.0
230	225	155	99	85.5	59.5	3020	75	3"	39.5	52.5	55	100	80.0	48	M12	77	90.0
280	275	206	119	105.5	74.5	3525	100	4"	51.0	66.5	67	115	--	60	M16	90	105.5

## FENAFLEX SPACER COUPLINGS



SIZE F40-60

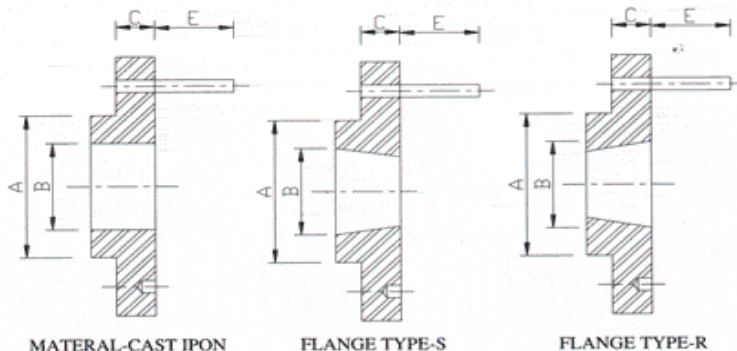
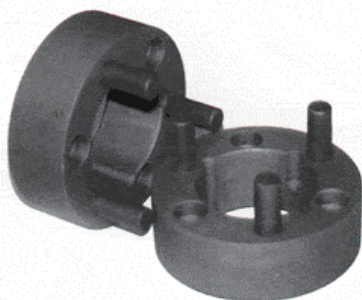


SIZE F70-250

Size	DBSE X	A	B	C	D	E	F	G	H	J	JJ	L	M	Bush Size Max Bore		Mass' kg	Inertia kgm <sup>2</sup>
														Dp	Dm		
F40-RX12-100	100	104	82	118	83	150	25	14	12	14	29	81	22	1008-25	1210-32	5.10	0.0050
F50-RX12-100	100	133	79	118	83	153	25	14	12	14	38	78	25	1210-32	1210-32	5.90	0.0580
F50-RX16-100	100	133	79	127	80	156	25	18	15	14	38	78	25	1210-32	1610-42	6.30	0.0104
F50-RX16-140	140	133	79	127	80	206	25	18	15	14	38	118	25	1210-32	1610-42	6.60	0.0105
F60-RX16-100	100	165	70	127	80	156	25	18	15	14	38	70	33	1610-42	1610-42	7.90	0.0185
F60-RX16-140	140	165	70	127	80	206	25	18	15	14	38	110	33	1610-42	1610-42	8.00	0.0186
F70-RX25-100	100	187	80	178	123	179	45	22	15	19	13	79	23	2012-50	2517-60	14.0	0.0483
F70-RX25-140	140	187	80	178	123	218	45	22	15	19	13	119	23	2012-50	2517-60	14.4	0.0486
F70-RX25-180	180	187	80	178	123	259	45	22	15	19	13	159	23	2012-50	2517-60	14.9	0.0489
F70-RX25-250	250	187	80	178	123	328	45	22	15	19	13	229	23	2012-50	2517-60	15.8	0.0494
F80-RX25-140	140	211	95	178	123	232	45	22	15	19	16	117	25	2517-60	2517-60	17.8	0.0686
F80-RX25-180	180	211	95	178	123	272	45	22	15	19	16	157	25	2517-60	2517-60	18.2	0.0669
F80-RX25-250	250	211	95	178	123	342	45	22	15	19	16	227	25	2517-60	2517-60	19.0	0.0675
F90-RX25-140	140	235	108	178	123	231	45	22	15	19	16	114	27	2517-60	2517-60	22.0	0.0916
F90-RX25-180	180	235	108	178	123	271	45	22	15	19	16	154	27	2517-60	2517-60	22.4	0.0919
F90-RX30-140	140	235	108	216	146	237	51	29	20	28	16	114	27	3020-75	3020-75	25.0	0.1290
F90-RX30-180	180	235	108	216	146	277	51	29	20	28	16	154	27	3020-75	3020-75	25.5	0.1300
F90-RX30-250	250	235	108	216	146	347	51	29	20	28	16	224	27	3020-75	3020-75	27.3	0.1320
F100-RX30-140	140	254	120	216	146	245	51	29	20	28	16	114	27	3020-75	3020-75	30.8	0.1770
F100-RX30-180	180	254	120	216	146	285	51	29	20	28	16	154	27	3020-75	3020-75	31.3	0.1780
F100-RX30-250	250	254	120	216	146	355	51	29	20	28	16	224	27	3020-75	3020-75	32.2	0.1800
F110-RX30-140	140	279	134	216	146	245	51	29	20	28	16	118	25	3020-75	3020-75	34.4	0.2410
F110-RX30-180	180	279	134	216	146	285	51	29	20	28	16	158	25	3020-75	3020-75	34.9	0.2420
F110-RX30-250	250	279	134	216	146	355	51	29	20	28	16	228	25	3020-75	3020-75	36.0	0.2430
F110-RX35-140	140	279	134	248	178	259	65	34	25	25	16	118	25	3020-75	3020-95	48.9	0.3050
F110-RX35-180	180	279	134	248	178	299	65	34	25	25	16	158	25	3020-75	3020-95	50.8	0.3080
F110-RX35-250	250	279	134	248	178	369	65	34	25	25	16	228	25	3020-75	3020-95	54.2	0.3140
F120-RX35-140	140	314	140	248	178	273	65	34	25	28	16	114	29	3525-95	3525-95	52.2	0.4430
F120-RX35-180	180	314	140	248	178	313	65	34	25	28	16	154	29	3525-95	3525-95	52.8	0.4440
F120-RX35-250	250	314	140	248	178	383	65	34	25	28	16	224	29	3525-95	3525-95	54.6	0.4460
F140-RX35-180	180	359	178	248	178	312	65	34	25	28	17	150	32	3525-95	3525-95	65.1	0.6820
F140-RX35-250	250	359	178	248	178	382	65	34	25	28	17	220	32	3525-95	3525-95	66.7	0.6860
F140-RX40-180	180	359	178	298	210	324	77	35	25	25	17	150	32	3525-95	4030-11	85.4	0.8330
F140-RX40-250	250	359	178	298	210	394	77	35	25	25	17	220	32	3525-95	4030-11	91.4	0.8520
F160-RX40-180	180	402	197	298	210	337	77	35	25	28	19	153	30	4030-11	4030-11	96.0	1.1210
F160-RX40-250	250	402	197	298	210	407	77	35	25	28	19	223	30	4030-11	4030-11	99.2	1.1300
F180-RX45-180	180	470	205	330	230	319	77	40	30	38	19	137	46	4535-12	4535-12	128.1	2.2000
F180-RX45-250	250	470	205	330	230	419	89	40	30	38	19	207	46	4535-12	4535-12	139.2	2.3080

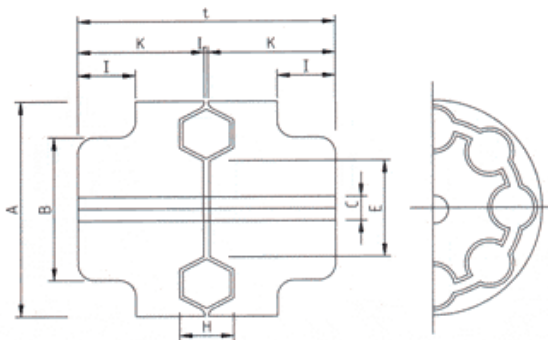
## PIN COUPLING & MH COUPLING

### PIN COUPLING



SIZE	Bore dimension	A	B	C	D
67	1108	67	--	22	18
83	1210	83	--	25	20
102	1210	102	67	25	20
134	1610	134	83	25	26
178	2517	178	124	44	30
204	2517	204	124	44	38
254	3020	254	152	51	47
318	3535	318	178	89	64

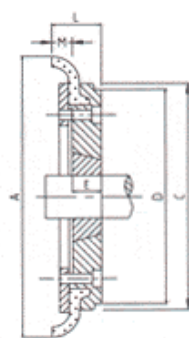
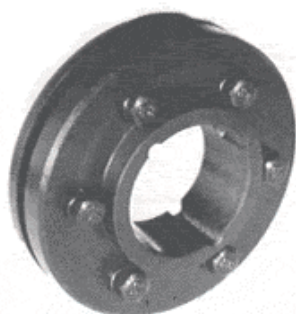
### MH COUPLING



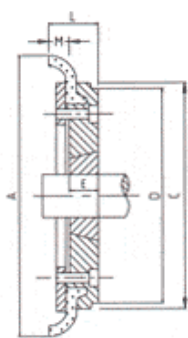
Coupling MH Type	Diameter	Hub	Bore			Rated Torque (kg/m)	Misalignment		Maximum Speed Revolution (rpm)	L	K	H	t	I	E	Weight (kg)	Moment of Inertia GD <sup>2</sup> (kg/m <sup>2</sup> )
			Max	Min	Stock C		Parallel	Angular (deg.)									
MH-45	45	25	14	5	3	0.2	0.2	0.3°	6,000	49	23	15	3	13	20	0.3	2.1 × 10 <sup>-4</sup>
MH-55	55	38	20	9	5	0.4	0.2	0.3°	6,000	57	27	17	3	15	26	0.6	6.2 × 10 <sup>-4</sup>
MH-65	65	45	25	12	5	0.7	0.2	0.3°	6,000	63	30	19	3	16	33	0.9	1.5 × 10 <sup>-3</sup>
MH-80	80	52	30	16	5	1.6	0.2	0.3°	5,500	73	35	23	3	18	41	1.5	3.7 × 10 <sup>-3</sup>
MH-90	90	62	35	20	10	3.7	0.2	0.3°	5,000	83	40	25	3	21	46	2.2	7.1 × 10 <sup>-3</sup>
MH-115	115	80	45	25	10	8	0.2	0.3°	4,600	113	55	33	3	29	58	5.0	2.7 × 10 <sup>-2</sup>
MH-130	130	90	50	27	12	12	0.2	0.3°	4,400	123	60	37	3	32	65	7.0	4.2 × 10 <sup>-2</sup>
MH-145	145	100	55	30	15	20	0.2	0.3°	4,200	133	65	39	3	35	72	9.2	9.4 × 10 <sup>-2</sup>
MH-175	175	115	65	35	20	43	0.2	0.3°	3,800	163	80	47	3	43	84	16.1	1.9 × 10 <sup>-1</sup>
MH-200	200	130	80	50	30	65	0.2	0.3°	3,600	223	110	53	3	69	92	35.5	3.1 × 10 <sup>-1</sup>

## Flexible Couplings

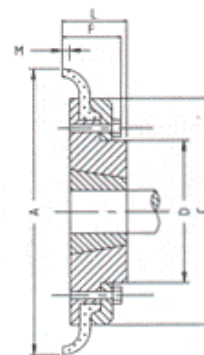
### FLEXIBLE COUPLING



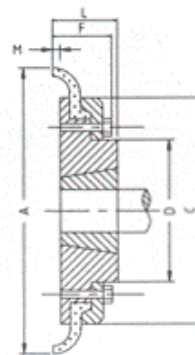
F FLANGE



H FLANGE



F FLANGE

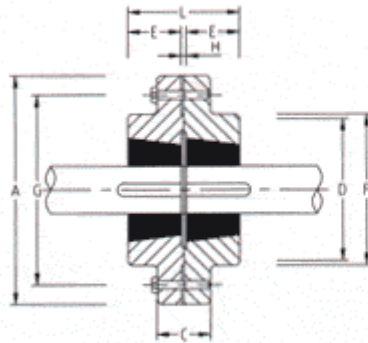
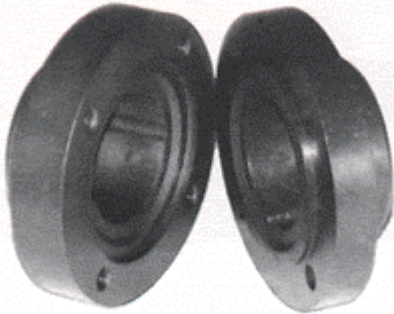


H FLANGE

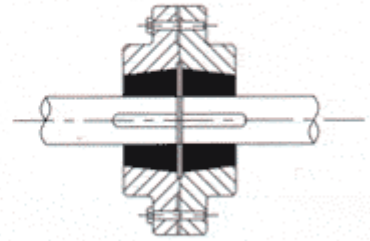
Size	TYPE	Bush NO:	Msx. Bore		Types F&H			Type B		Screw over key	A	C	D	F	Gs	M
			mm	inch	L	E	J	L	E							
A40	B	--	32	--	--	--	29	33	22	1/4"UNC	104	82	--	--	--	11.0
A40	F	1008	25	1"	33	22	29	--	--	--	104	82	--	--	--	11.0
A40	H	1008	25	1"	33	22	29	--	--	--	104	82	--	--	--	11.0
A50	B	--	38	--	--	--	38	45	32	1/4"UNC	133	100	79	--	--	12.5
A50	F	1210	32	1 1/4"	38	25	38	--	--	--	133	100	79	--	--	12.5
A50	H	1210	32	1 1/4"	38	25	38	--	--	--	133	100	79	--	--	12.5
A60	B	--	45	--	--	--	38	55	38	1/4"UNC	165	125	70	--	--	16.5
A60	F	1610	42	1 5/8"	42	25	38	--	--	--	165	125	103	--	--	16.5
A60	H	1610	42	1 5/8"	42	25	38	--	--	--	165	125	103	--	--	16.5
A70	B	--	50	--	--	--	--	47	35	3/8"UNC	187	144	80	50	13	11.5
A70	F	1610	42	1 5/8"	44	25	38	--	--	--	187	144	73	50	13	11.5
A70	H	1610	42	1 5/8"	42	25	38	--	--	--	187	144	73	50	13	11.5
A80	B	--	60	--	--	--	--	55	42	3/8"UNC	211	167	97	54	16	12.5
A80	F	2012	50	2"	45	32	42	--	--	--	211	167	93	54	16	12.5
A80	H	2012	50	2"	45	32	42	--	--	--	211	167	93	54	16	12.5
A90	B	--	70	--	--	--	--	63.5	49	1/2"UNC	235	188	112	60	16	13.5
A90	F	2517	60	2 1/2"	59.5	45	48	--	--	--	235	188	108	60	16	13.5
A90	H	2517	60	2 1/2"	59.5	45	48	--	--	--	235	188	108	60	16	13.5
A100	B	--	80	--	--	--	--	70.5	56	1/2"UNC	254	216	125	62	16	13.5
A100	F	2517	60	2 1/2"	59.5	45	48	--	--	--	254	216	120	62	16	13.5
A100	H	2517	60	2 1/2"	59.5	45	48	--	--	--	254	216	120	62	16	13.5
A110	B	--	90	--	--	--	--	75.5	63	1/2"UNC	279	233	128	62	16	12.5
A110	F	2517	60	2 1/2"	57.5	45	48	--	--	--	279	233	137	62	16	12.5
A110	H	2517	60	2 1/2"	57.5	45	48	--	--	--	279	233	137	62	16	12.5
A120	B	--	100	--	--	--	--	84.5	70	5/8"UNC	314	264	143	67	16	14.5
A120	F	3020	75	3"	65.5	51	55	--	--	--	314	264	149	67	16	14.5
A120	H	3020	75	3"	65.5	51	55	--	--	--	314	264	149	67	16	14.5
A140	B	--	120	--	--	--	--	111	94	3/4"UNC	359	311	178	73	17	16.0
A140	F	3535	90	3 1/2"	105	89	89	--	--	--	359	311	195	73	17	16.0
A140	H	3535	90	3 1/2"	105	89	89	--	--	--	359	311	195	73	17	16.0
A160	B	--	140	--	--	--	--	117	102	3/4"UNC	402	345	187	78	19	15.0
A160	F	4040	110	4 1/4"	117	102	92	--	--	--	402	345	215	78	19	15.0
A160	H	4040	110	4 1/4"	117	102	92	--	--	--	402	345	215	78	19	15.0
A180	B	--	150	--	--	--	--	137	114	3/4"UNC	470	398	200	94	19	23.0
A180	F	4545	120	4 3/4"	137	114	104	--	--	--	470	398	251	94	19	23.0
A180	H	4545	120	4 3/4"	137	114	104	--	--	--	470	398	251	94	19	23.0
A200	B	--	150	--	--	--	--	138	114	3/4"UNC	508	429	200	103	19	24.0
A200	F	4545	120	4 3/4"	138	114	104	--	--	--	508	429	266	103	19	24.0
A200	H	4545	120	4 3/4"	138	114	104	--	--	--	508	429	266	103	19	24.0

## Rigid Couplings

### RIGID COUPLINGS



Coupling Assembly HF



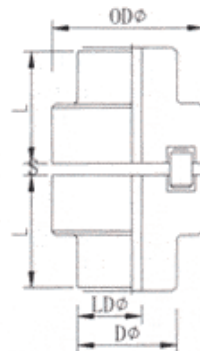
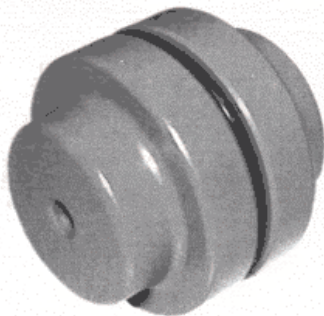
Coupling Assembly FF

Size	Bush NO.	Msx. Bore		A	C	D	E	F nom	G nom	H	J	L
		Metric	inch									
RM12	1210	32	1 1/4"	118	35	83	26	76	102	7	38	57
RM16	1615	42	1 1/2"	127	43	80	38	89	105	7	38	83
RM25	2517	60	2 1/2"	178	51	123	45	127	149	7	48	97
RM30	3030	75	3"	216	65	145	76	152	181	7	54	159
RM35	3535	90	3 1/2"	248	75	178	89	178	213	7	67	185
RM40	4040	100	4"	298	76	210	102	216	257	7	79	210
RM45	4545	110	4 1/2"	330	86	230	114	241	286	7	89	235
RM50	5050	125	5"	362	92	260	127	267	314	7	92	260

Note: Material GG20, All surfaces are PHOSPATE BLACKENE

## NM Couplings

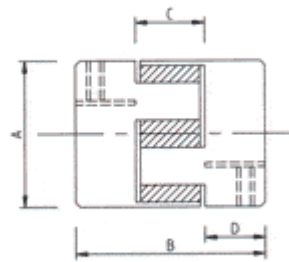
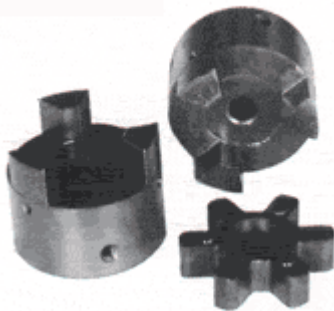
### NM COUPLINGS



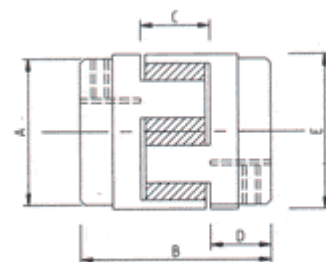
Coupling NM Type	Torque		Max. Speed rpm.	Bore Diam.		Boss Diam D	Outside Diam. D	Distance Through Boss L	Space & Perm Tolerance	Approx Weight (Kg/S)
	Nomal kg/m	Max. kg/m		Min.	Max.					
50	1.3	2.3	13,500	7	19	33	50	25	2.0±0.5	0.48
67	2.2	4	10,000	9	28	46	67	30	2.5±0.5	1.02
82	5.0	9	8,000	10	32	53	82	40	3.0±1.0	1.88
97	10.5	19	7,000	12	42	69	97	50	3.0±1.0	3.54
112	16.7	30	6,000	14	48	79	112	60	3.5±1.0	5.40
128	26.7	48	5,000	18	55	90	128	70	3.5±1.0	8.10
148	41.7	75	4,500	22	65	107	148	80	3.5±1.0	13.50
168	69.5	125	4,000	28	75	126	170	90	3.5±1.5	19.30
194	112.0	200	3,500	32	85	140	194	100	3.5±1.5	26.30
214	167.0	300	3,000	45	95	157	214	110	4.0±2.0	35.70
240	267.0	480	2,750	60	110	179	240	120	4.0±2.0	46.70
265	417.0	750	2,500	70	120	198	265	140	5.5±2.0	66.30

## Jaw Couplings

### JAW COUPLINGS



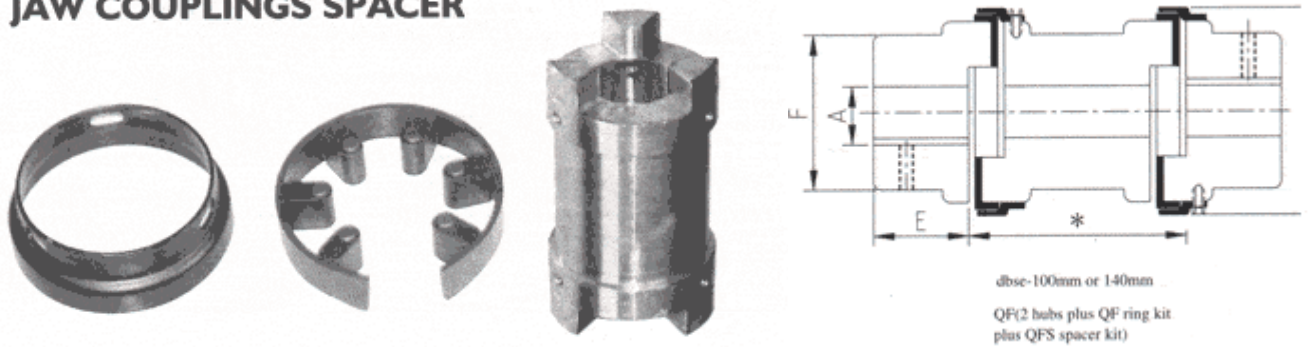
TYPE 1



TYPE 2

Couplings	Type	A	B	C	D	E	Bore metric		Bore inch	
							Min	Max	Min	Max
L035	1	16	20.6	7.5	6.6	--	3	8	3/16"	5/16"
L050	1	27.5	43.2	12.2	15.5	--	6	16	1/4"	5/8"
L070	1	35	49.2	12.2	18.5	--	9	20	1/4"	3/4"
L075	1	44.5	54.4	12.4	21.0	--	9	26	5/16"	1"
L090	1	54	55.0	13.0	21.0	--	9	28	3/8"	1 1/8"
L095	1	54	61.0	13.0	24.0	--	9	28	3/8"	1 1/8"
L099	1	65	73.0	18.0	30.0	--	12	36	1/2"	1 3/8"
L100	1	65	88.0	18.0	36.0	--	12	36	1/2"	1 3/8"
L110	1	85	110.0	22.0	44.0	--	15	48	1/2"	1 7/8"
L150	1	96	118.5	26.6	46.0	--	15	48	5/8"	1 7/8"
L190	2	115	138.5	28.6	68.0	114.3	19	58	5/8"	2 1/4"
L225	2	127	152.5	28.6	83.5	127.0	19	60	3/4"	2 3/8"

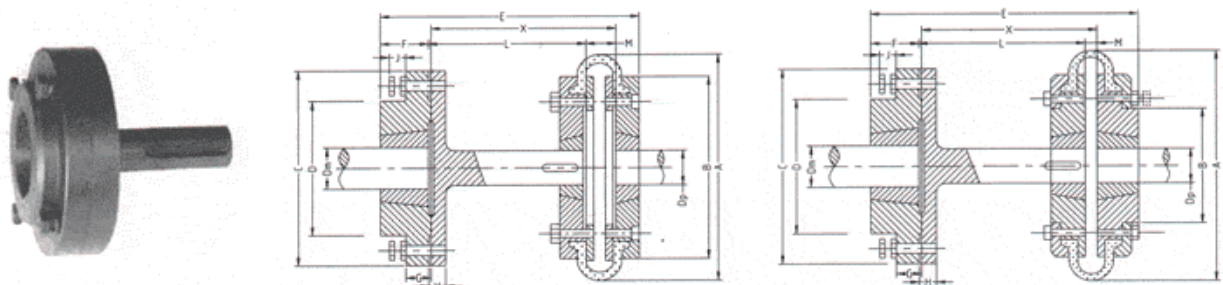
# JAW COUPLINGS SPACER



Size	A		B		C	E	F	G	Set Screw	Appr. Mass (kg)	Max Speed (rev/min)
	Pilot	Max	SX	QF							
50	6.35	14	27.5	--	44	16	27.5	6.5	M6	0.10	18000
70	6.35	19	35	--	51	19	35	9.5	M6	0.25	14000
75	6.35	24	44.5	--	54	21	44.5	8	M6	0.45	11000
90	6.35	24	54	--	54	21	54	8.7	M6	0.55	9000
95	11.11	28	54	64	64	25	54	11	M8	0.65	9000
100	12.70	38	65	77	89	35	65	12	M8	1.55	7000
110	15.87	42	85	97	108	43	85	20	M10	3.00	5000
150	15.87	48	96	112	115	45	96	22	M10	4.85	4000
190	19.05	55	115	130	133	54	115	22	M12	7.00	3600
225	19.05	60	127	143	153	64	127	25	M12	9.00	3600

## Spacer Couplings

### SPACER COUPLINGS



Size	DBSE X	A	B	C	D	E	F	G	H	J	d	L	M	Bush Size Max Bore	
														Dp	Dm
F40-SM12-100	100	104	82	118	83	150	25	14	12	14	25	81	22	1008-25	1210-32
F50-SM12-100	100	133	79	118	83	153	25	14	12	14	25	78	26	1210-32	1210-32
F50-SM16-100	100	133	79	127	80	156	25	18	15	14	32	78	25	1210-32	1610-42
F50-SM12-140	140	133	79	127	80	206	25	18	15	14	32	118	26	1210-32	1610-42
F60-SM16-100	100	165	70	127	80	156	25	18	15	14	32	70	33	1610-42	1610-42
F60-SM16-140	140	165	70	127	80	206	25	18	15	14	32	110	33	1610-42	1610-42
F70-SM25-100	100	187	80	178	123	179	45	22	15	19	48	79	23	1610-42	2517-60
F70-SM25-140	140	187	80	178	123	218	45	22	15	19	48	119	23	1610-42	2517-60
F70-SM25-180	180	187	80	178	123	259	45	22	15	19	48	159	23	1610-42	2517-60
F70-SM25-250	250	187	80	178	123	326	45	22	15	19	48	229	23	1610-42	2517-60
F80-SM25-140	140	211	95	178	123	232	45	22	15	19	48	117	25	2012-50	2517-60
F80-SM25-180	160	211	95	178	123	272	45	22	15	19	48	157	25	2012-50	2517-60
F80-SM25-250	250	211	95	178	123	342	45	22	15	19	48	227	25	2012-50	2517-60
F90-SM25-140	140	235	108	178	123	231	45	22	15	19	48	114	27	2517-60	2517-60
F90-SM25-180	180	235	106	178	123	271	45	22	15	19	48	154	27	2517-60	2517-60
F90-SM30-140	140	235	108	216	146	237	51	29	20	28	60	114	27	2517-60	3020-75
F90-SM30-180	180	235	108	216	146	277	51	29	20	28	60	154	27	2517-60	3020-75
F90-SM30-250	250	235	108	216	146	347	51	29	20	28	60	224	27	2517-60	3020-75
F100-SM30-140	140	254	120	216	146	245	51	29	20	28	60	114	27	2517-60	3020-75
F100-SM30-180	180	254	120	216	146	285	51	29	20	28	60	154	27	2517-60	3020-75
F100-SM30-250	250	254	120	216	146	355	61	29	20	28	60	224	27	2517-60	3020-75
F110-SM30-140	140	279	134	216	146	245	51	29	20	28	60	118	25	2517-60	3020-75
F110-SM30-180	180	279	134	216	146	285	51	29	20	28	60	158	25	2517-60	3020-75
F110-SM30-250	250	279	134	216	146	366	61	29	20	28	60	228	25	2517-60	3020-75
F110-SM35-140	140	279	134	248	178	259	65	34	25	25	80	118	25	2517-60	3535-95
F110-SM35-180	180	279	134	248	178	299	65	34	25	25	80	158	25	2517-60	3535-95
F110-SM35-250	250	279	134	248	178	369	65	34	25	25	80	228	25	2517-60	3535-95
F120-SM35-140	140	314	140	248	178	273	65	34	25	28	80	114	29	3020-75	3535-95
F120-SM35-180	180	314	140	248	178	313	65	34	25	28	80	154	29	3020-75	3535-95
F120-SM35-250	250	314	140	248	178	383	65	34	25	28	80	224	29	3020-75	3535-95
F140-SM35-180	180	359	178	248	178	312	65	34	25	28	80	150	32	3535-95	3535-95
F140-SM35-250	250	359	178	248	178	382	65	34	25	28	80	220	32	3535-95	3535-95

Note: Material: Spacer is C45

Male is GG20

All surfaces are phosphate blackened to protect agains