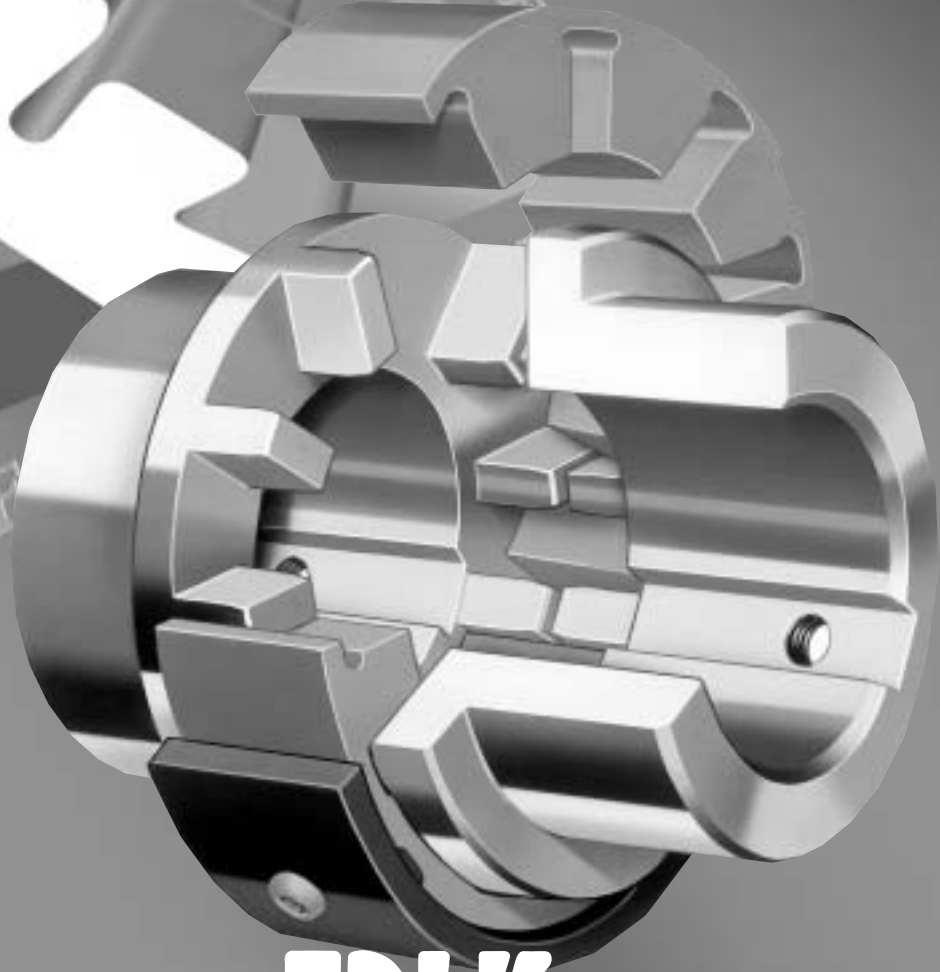


WRAPFLEX®

Talk About Simple!

FALK POWERED
FALK POWERED



FALK®

WRAPFLEX®

Now there's a simple way to increase productivity

- 9 sizes
- Torque range: 132,900 lb.in. (15000Nm)
 - Bore capacity: 7¼" (186mm)
 - "Replace in place"
 - Non-lubricated/low maintenance
 - 3-Year Heavy-Duty Warranty



Ever think that keeping your production lines running more profitably could be as simple as replacing a light bulb or opening a can with a pop-top?

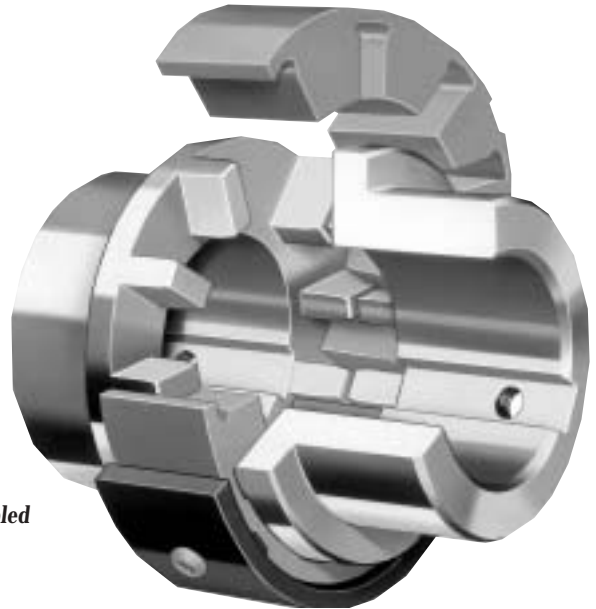
Quick, easy installation and replacement set new standards for reduced downtime. Because motors or drives don't need to be moved, our "replace in place" elements even eliminate the need for time-consuming realignment, further reducing downtime. Available in close-coupled and spacer designs, Wrapflex couplings accommodate up to 7¼" (186 mm) shafts and torque loads up to 132,900 lb.in. (15000 Nm). For simplicity and cost-effectiveness over the life of your coupling, it just doesn't get any easier than this – Wrapflex couplings from Falk.

Low initial cost

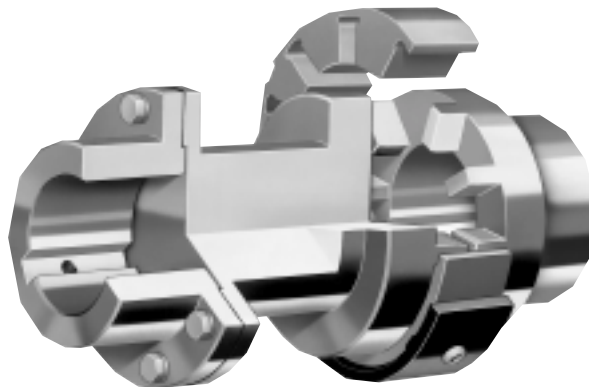
- Advanced manufacturing methods and innovative material allow us to offer you higher capacity ratings at a more competitive price than ever before possible.
- Initial investment protected by the industry's first, standard 3-Year Heavy-Duty Warranty.

Easy to install

- The compound root radius in the element teeth (patent applied for) increases flexibility for easier and quicker assembly.
- Can be blind assembled from either direction.



R10 Close-Coupled



R35 Half-Spacer



Replace in place

- Design allows quick and easy element replacement.
- There's no need to remove hubs or realign motors or drives, reducing downtime.

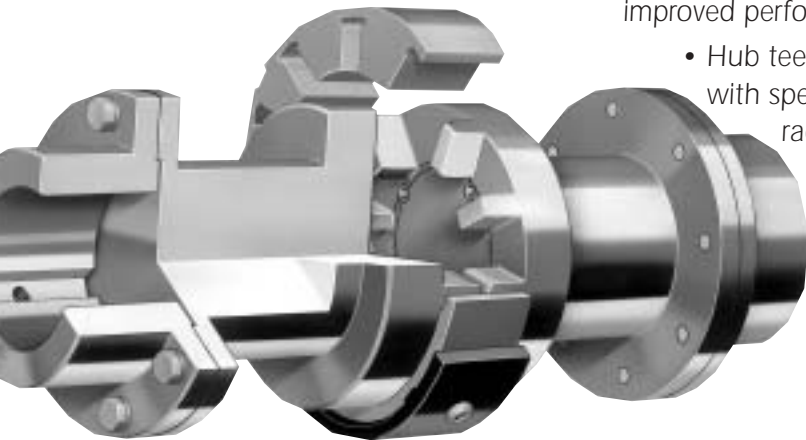
No maintenance needed

- Non-lubricated design of the tough, flexible polyurethane element reduces periodic maintenance costs.

Protects equipment

- Patent applied for design of the flexible element minimizes effects of misalignment for improved performance and life.

- Hub teeth machined with special nose radius (patent applied for) for better tooth-to-tooth contact.



R31 Full-Spacer

Tough, long-lasting

- Polyurethane element has excellent wear and chemical resistance, and a operating temperature of -40° C (-40° F) to 95° C (200° F).
- Hubs made from carbon steel for maximum strength.
- Weather-resistant, high-grade nylon cover is standard.
- Optional carbon steel covers with black epoxy coating for highly corrosive, severe-duty applications. (Standard for sizes 60-80.)

Safety first

- Two stainless steel button-head cap screws, positioned 180° apart, prevent relative motion between cover and element and provide a positive means of retaining the cover to the element.
- Flexible element is retained after failure, helping minimize the potential for damage or personal injury.

Quick and easy retrofits

- Compact design eliminates the need for coupling guard redesign on existing applications.
- Stock finished bores in popular sizes and taper bores, which accept Q.D. and TaperLock bushings, are available from our worldwide distribution network for off-the-shelf availability.

Wrapflex Quick Selection Method — Close Couple R10

1. Determine Service Factor — Refer to Table 1.
2. Determine Equivalent Horsepower.
Refer to Table 2 — Under the actual hp required and opposite the service factor, read the equivalent hp. See 401-110 for a complete list by Application or Industry.
3. Determine Coupling Size.
 - A. Refer to Table 3 — Trace horizontally from the required speed to a hp value equal to or larger than the hp determined in Step 3. Read the coupling size at the top of the column.
 - B. Check shaft diameters against coupling maximum bores shown below the correct coupling size selected.
 - C. Check the required speed against the allowable speed shown in Table 3 under the maximum bore size.
 - D. Check application dimension requirements against selected coupling type dimensions shown on Page 6.

SERVICE FACTORS are a guide, based on experience, of the ratio between coupling catalog rating and system characteristics. The system characteristics are best measured with a torque meter.

TABLE 1 — Service Factors






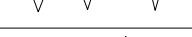
Torque Demands Driven Machine	Typical applications for electric motor or turbine driven equipment	Typical Service Factor
	Constant torque such as Centrifugal Pumps, Blowers, and Compressors.	1.0
	Continuous duty with some torque variations including Plastic extruders, Forced Draft Fans.	1.5
	Light shock loads from Metal Extuders, Cooling Towers, Cane Knife, Log Haul.	2.0
	Moderate shock loading as expected from a Car Dumper, Stone Crusher, Vibrating Screen.	2.5
	Heavy shock load with some negative torques from Roughing Mills, Reciprocating Pumps, Compressors, Reversing Runout Tables.	3.0
	Applications like Reciprocating Compressors with frequent torque reversals, which do not necessarily cause reverse rotations.	Refer to Falk

TABLE 2 — Equivalent Power = (Actual kW x Service Factor) – Metric

Service Factor †	Actual kW																							
	½	¾	1½	2	3	5	7½	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400
1.0	0,56	0,75	1,1	1,5	2,2	3,7	5,6	7,5	11,2	14,9	18,7	22,4	29,8	37,3	44,8	56,0	74,6	93,3	112	149	187	224	261	298
1.25	0,70	0,93	1,4	1,9	2,8	4,7	7,0	9,3	14,2	18,7	23,1	28,3	37,3	47,0	56,0	70,1	93,3	116	140	187	233	280	327	373
1.5	0,82	1,1	1,7	2,2	3,4	5,6	8,4	11,2	17,2	22,4	28,3	33,6	44,8	56,0	67,1	84,3	112	140	168	224	280	336	392	448
1.75	1,0	1,3	1,9	2,6	4,0	6,6	9,8	13,4	19,4	26,1	32,8	39,5	52,2	65,6	78,3	97,7	131	163	195	261	327	392	457	522
2.0	1,1	1,5	2,2	3,0	4,5	7,5	11,2	14,9	22,4	29,8	37,3	44,8	59,7	74,6	89,5	112	149	187	224	298	373	448	522	597
2.5	1,4	1,9	2,8	3,7	5,6	9,3	14,0	18,7	28,3	37,3	47,0	56,0	74,6	93,3	112	140	187	233	280	373	466	560	653	746
3.0	1,7	2,2	3,4	4,5	6,7	11,2	16,8	22,4	33,6	44,8	56,0	67,1	89,5	112	134	168	224	280	336	448	560	671	783	895
3.5	1,9	2,6	4,0	5,2	7,8	13,1	19,5	26,1	38,8	52,2	64,9	78,3	104	131	157	195	261	326	392	522	653	783	914	1044

† For service factors not listed, Equivalent kW = Actual kW x Service Factor.

TABLE 2 — Equivalent Horsepower = (Actual hp x Service Factor) – Imperial

Service Factor †	Actual HP																									
	¾	1	1½	2	3	5	7½	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400	450	500
1.0	.75	1.0	1.5	2.0	3.0	5.0	7.5	10	15	20	25	30	40	50	60	75	100	125	150	200	250	300	350	400	450	500
1.25	.94	1.25	1.9	2.5	3.8	6.3	9.4	12.5	19	25	31	38	50	63	75	94	125	156	188	250	312	375	438	500	563	625
1.5	1.1	1.5	2.3	3.0	4.5	7.5	11.3	15	23	30	38	45	60	75	90	113	150	188	225	300	375	450	525	600	675	750
1.75	1.3	1.8	2.6	3.5	5.3	8.8	13.1	18	26	35	44	53	70	88	105	131	175	219	262	350	438	525	613	700	787	875
2.0	1.5	2.0	3.0	4.0	6.0	10.0	15.0	20	30	40	50	60	80	100	120	150	200	250	300	400	500	600	700	800	900	1000
2.5	1.9	2.5	3.8	5.0	7.5	12.5	18.8	25	38	50	63	75	100	125	150	187	250	312	375	500	625	750	875	1000	1125	1250
3.0	2.3	3.0	4.5	6.0	9.0	15.0	22.5	30	45	60	75	90	120	150	180	225	300	375	450	600	750	900	1050	1200	1350	1500
3.5	2.6	3.5	5.3	7.0	10.5	17.5	26.2	35	52	70	87	105	140	175	210	262	350	437	525	700	875	1050	1225	1400	1575	1750

† For service factors not listed, Equivalent hp = Actual hp x Service Factor.

TABLE 3 — Falk “Wrapflex” Coupling Quick Selection Chart – Metric

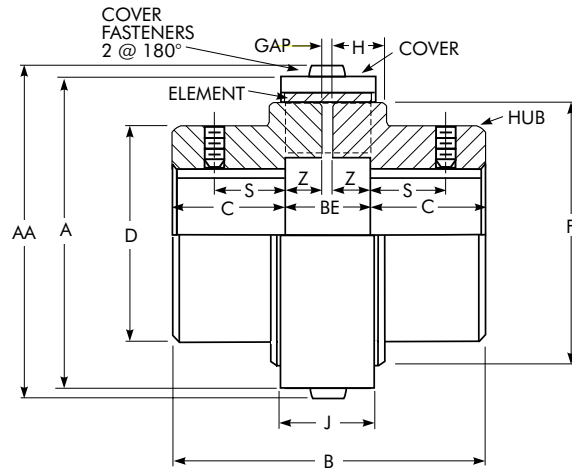
	5R	10R	20R	30R	40R	50R	60R	70R	80R
Max Bore (mm)	35,00	42,00	55,00	60,00	75,00	100,00	133,00	156,00	186,00
Max Speed	4500 rpm	4500 rpm	4500 rpm	4500 rpm	3600 rpm	3000 rpm	2500 rpm	2100 rpm	1800 rpm
Torque (Nm)	61	121	305	497	994	2500	4000	8000	15000
kW/100 rpm	0,0064	0,0127	0,0320	0,0521	0,1042	0,2616	0,420	0,839	1,573
RPM	kW Ratings								
4500	28,8	57,2	144	234	...	...	...	...	...
3600	23,0	45,7	115	188	375	...	...	...	...
3000	19,2	38,1	96,0	156	313	785	...	...	...
1750	11,2	22,2	56,0	91,2	182	458	735	1468	2753
1450	9,3	18,4	46,4	75,5	151	379	609	1217	2281
1170	7,5	14,9	37,4	61,0	122	306	491	982	1840
1000	6,4	12,7	32,0	52,1	104	262	420	839	1573
870	5,6	11,0	27,8	45,3	90,7	228	365	730	1369
720	4,6	9,1	23,0	37,5	75,0	188	302	604	1133
650	4,2	8,3	20,8	33,9	67,7	170	273	545	1022
580	3,7	7,4	18,6	30,2	60,4	152	244	487	912
520	3,3	6,6	16,6	27,1	54,2	136	218	436	818
420	2,7	5,3	13,4	21,9	43,8	110	176	352	661
350	2,2	4,4	11,2	18,2	36,5	91,6	147	294	551
280	1,8	3,6	9,0	14,6	29,2	73,2	118	235	440
230	1,5	2,9	7,4	12,0	24,0	60,2	96,6	193	362
190	1,2	2,4	6,1	9,9	19,8	49,7	79,8	159	299
155	1,0	2,0	5,0	8,1	16,2	40,5	65,1	130	244
125	0,80	1,6	4,0	6,5	13,0	37,7	52,5	105	197
100	0,64	1,3	3,2	5,2	10,4	26,2	42,0	83,9	157
84	0,54	1,1	2,7	4,4	8,8	22,0	35,3	70,5	132
68	0,44	0,86	2,2	3,5	7,1	17,8	28,6	57,1	107
56	0,36	0,71	1,8	2,9	5,8	14,6	23,5	47,0	88,1
45	0,29	0,57	1,4	2,3	4,7	11,8	18,9	37,8	70,8
37	...	0,47	1,2	1,9	3,9	9,7	15,5	31,0	58,2
30	...	0,38	1,0	1,6	3,1	7,8	12,6	25,2	47,2
25	...	...	0,80	1,3	2,6	6,5	10,5	21,0	39,3
20	...	...	0,64	1,0	2,1	5,2	8,4	16,8	31,5
16,5	...	...	0,53	0,86	1,7	4,3	6,9	13,8	26,0
13	...	...	0,42	0,68	1,4	3,4	5,5	10,9	20,4

TABLE 3 — Falk “Wrapflex” Coupling Quick Selection Chart – Imperial

	5R	10R	20R	30R	40R	50R	60R	70R	80R
Max Bore (Inches)	1.375	1.625	2.125	2.325	3.000	4.000	5.250	6.125	7.250
Max Speed	4500 rpm	4500 rpm	4500 rpm	4500 rpm	3600 rpm	3000 rpm	2500 rpm	2100 rpm	1800 rpm
Torque (lb-in)	540	1070	2700	4400	8800	22100	35450	70870	132900
HP/100 rpm	0.86	1.70	4.28	7.0	14.0	35.1	56.2	112.4	210.9
RPM	HP Ratings								
4500	38.6	76.4	193	314	...	...	...	...	...
3600	30.8	61.1	154	251	503	...	...	...	...
3000	25.7	50.9	129	209	419	1052	...	...	...
1750	15.0	29.7	75.0	122	244	614	984	1968	3690
1450	12.4	24.6	62.1	101	202	508	816	1630	3058
1170	10.0	19.9	50.1	81.7	163	410	658	1316	2467
1000	8.6	17.0	42.8	69.8	140	351	562	1124	2109
870	7.5	14.8	37.3	60.7	121	305	489	978	1835
720	6.2	12.2	30.8	50.3	101	252	405	810	1518
650	5.6	11.0	27.8	45.4	90.8	228	366	731	1371
580	5.0	9.8	24.8	40.5	81.0	203	326	652	1223
520	4.5	8.8	22.3	36.3	72.6	182	292	585	1097
420	3.6	7.1	18.0	29.3	58.6	147	236	472	886
350	3.0	5.9	15.0	24.4	48.9	123	197	394	738
280	2.4	4.8	12.0	19.5	39.1	98.2	157	315	590
230	2.0	3.9	9.9	16.1	32.1	80.7	129	259	485
190	1.6	3.2	8.1	13.3	26.5	66.6	107	214	401
155	1.3	2.6	6.6	10.8	21.6	54.4	87.2	174	327
125	1.1	2.1	5.4	8.7	17.5	43.8	70.3	141	264
100	.86	1.7	4.3	7.0	14.0	35.1	56.2	112	211
84	.72	1.4	3.6	5.9	11.7	29.5	47.2	94.5	177
68	.58	1.2	2.9	4.7	9.5	23.8	38.2	76.5	143
56	.48	.95	2.4	3.9	7.8	19.6	31.5	63.0	118
45	.39	.76	1.9	3.1	6.3	15.8	25.3	50.6	94.9
37	...	.63	1.6	2.6	5.2	13.0	20.8	41.6	78.0
30	...	.51	1.3	2.1	4.2	10.5	16.9	33.7	63.3
25	...	...	1.1	1.7	3.5	8.8	14.1	28.1	52.7
20	...	...	.86	1.4	2.8	7.0	11.2	22.5	42.2
16.5	...	...	.71	1.2	2.3	5.8	9.28	18.6	34.8
13	...	...	.56	0.91	1.8	4.6	7.31	14.6	27.4

Type R10

Close Coupled Coupling/Dimensions



DIMENSIONS — MILLIMETERS †

SIZE ★	Torque Rating Nm	Allow Speed rpm	Max Bore ▲	Cplg Wt No Bore - kg		A		AA		B	BE	C	D	F	H	J		S ▲	Z	Gap	Cover Fasteners ■			
				Nylon Cover	Steel Cover ●	Nylon Cover	Steel Cover ●	Nylon Cover	Steel Cover ●							Nylon Cover	Steel Cover ●				Nylon Cover	Steel Cover ●	Size	Hex Head
5R	61	4 500	38,00	1,34	1,48	76,5	76,5	80,5	80,4	72,0	20,0	26	60	64	15,0	23,0	23,0	15,9	9,0	2,00	M4	M2.5		
10R	121	4 500	45,00	2,48	2,70	90,5	90,5	94,5	94,4	92,0	24,0	34	72	76	19,0	28,0	28,0	22,2	11,0	2,00	M4	M2.5		
20R	305	4 500	58,00	5,59	6,07	126,0	124,0	132,1	130,1	122,0	32,0	45	92	102	25,0	37,1	37,1	25,4	15,0	2,00	M6	M4		
30R	497	4 500	64,00	9,37	10,0	146,5	143,0	152,6	149,1	152,0	36,0	58	105	118	29,0	42,0	41,6	31,8	17,0	2,00	M6	M4		
40R	994	3 600	80,00	17,1	18,1	182,0	177,0	190,0	185,0	181,0	47,0	67	130	150	34,0	54,0	53,0	41,3	21,0	5,00	M8	M5		
50R	2 500	3 000	105,00	33,7	35,6	231,0	224,0	239,0	232,0	215,0	61,0	77	170	190	46,0	69,0	67,2	44,5	28,0	5,00	M8	M5		
60R	4 000	2 500	133,00	...	62,4	...	267,0	...	278,0	275,4	75,4	100	200	228	60,2	...	67,0	...	35,2	5,00	M10	M6		
70R	8 000	2 100	156,00	...	98,2	...	310,0	...	321,0	324,4	84,4	120	227	270	69,7	...	75,0	...	39,7	5,00	M10	M6		
80R	15 000	1 800	186,00	...	165	...	370,0	...	381,0	376,8	96,8	140	270	328	83,4	...	85,0	...	45,4	6,00	M10	M6		

DIMENSIONS — INCHES †

SIZE ★	Torque Rating lb-in	Allow Speed rpm	Max Bore ▲	Cplg Wt No Bore - lb		A		AA		B	BE	C	D	F	H	J		S ▲	Z	Gap	Cover Fasteners ■			
				Nylon Cover	Steel Cover ●	Nylon Cover	Steel Cover ●	Nylon Cover	Steel Cover ●							Nylon Cover	Steel Cover ●				Nylon Cover	Steel Cover ●	Size	Hex Head
5R	540	4,500	1.500	2.96	3.26	3.01	3.01	3.17	3.17	2.82	0.77	1.02	2.36	2.520	0.59	0.91	0.91	0.63	0.35	.062	M4	M2.5		
10R	1,070	4,500	1.750	5.47	5.96	3.56	3.56	3.72	3.72	3.61	0.93	1.34	2.83	2.992	0.75	1.10	1.10	0.88	0.43	.062	M4	M2.5		
20R	2,700	4,500	2.250	12.3	13.4	4.96	4.88	5.20	5.12	4.79	1.24	1.77	3.62	4.016	0.98	1.46	1.46	1.00	0.59	.062	M6	M4		
30R	4,400	4,500	2.500	20.7	22.1	5.77	5.63	6.01	5.87	5.97	1.40	2.28	4.13	4.646	1.14	1.65	1.64	1.25	0.67	.062	M6	M4		
40R	8,800	3,600	3.125	37.6	39.9	7.17	6.97	7.48	7.28	7.12	1.84	2.64	5.12	5.906	1.34	2.13	2.09	1.63	0.83	.188	M8	M5		
50R	22,100	3,000	4.125	74.4	78.5	9.09	8.82	9.41	9.13	8.46	2.39	3.03	6.69	7.480	1.81	2.72	2.65	1.75	1.10	.188	M8	M5		
60R	35,450	2,500	5.250	...	137	...	10.51	...	10.94	10.83	2.96	3.94	7.87	8.976	2.37	...	2.64	...	1.39	.188	M10	M6		
70R	70,870	2,100	6.125	...	217	...	12.20	...	12.64	12.76	3.31	4.72	8.94	10.630	2.74	...	2.95	...	1.56	.188	M10	M6		
80R	132,900	1,800	7.250	...	364	...	14.57	...	15.00	14.85	3.82	5.51	10.63	12.913	3.28	...	3.35	...	1.79	.250	M10	M6		

★ Standard urethane element operating temperature: -40°C (-40°F) to 95°C (200°F). Dimensions are for reference only and are subject to change without notice unless certified.

† Inch/metric conversions may not be direct conversions.

● 5R-50R nylon cover is standard & epoxy coated steel cover is optional. 60R-80R epoxy coated steel cover is standard (nylon cover not available).

■ Cover Fasteners are ISO 7380 Stainless Steel Socket Button Head Cap screws. Two cover fasteners per coupling.

▲ 5R-50R are standard "clearance" fit with keyway and 2 setscrews (one over keyway & one at 90° from keyway). 60R-80R are standard "interference" fit with keyway & no setscrew.

TABLE 4 — Taper-Lock® Bushings for Type R Hubs

COUPLING SIZE	Torque Rating		kW per rpm	HP per 100 rpm	Allow Speed rpm	Bore Range		Bushing Size
	Nm	lb-in				mm	Inch	
5R	61	540	0,0064	0.86	4500	13-26	.500-1.125	1108
10R	121	1,070	0,0127	1.70	4500	13-32	.500-1.250	1210
20R	305	2,700	0,0320	4.28	4500	13-40	.500-1.625	1610
30R	497	4,400	0,0521	6.98	4500	13-48	.500-2.000	2012
40R	994	8,800	0,104	14.0	3600	13-63	.500-2.500	2517
50R	2 500	22,100	0,262	35.1	3000	24-75	.875-3.000	3020
60R	4 000	35,450	0,420	56.2	2500	37-109	1.438-4.438	4040
70R	8 000	70,870	0,839	112.4	2100	62-121	1.938-4.938	4545
80R	14 224	12,000	1,491	199.9	1800	75-127	2.438-5.313	5050

TABLE 5 — "QD" Bushings for Type R Hubs

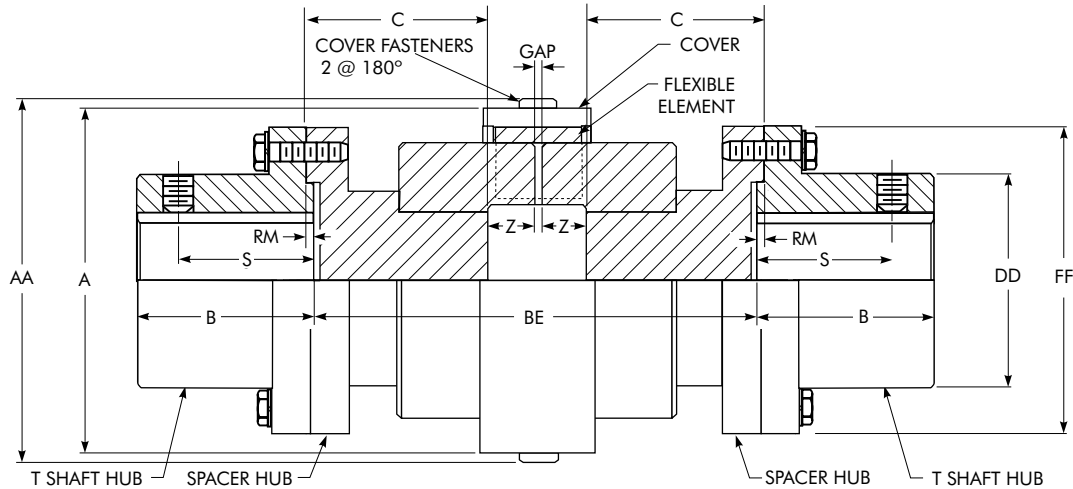
COUPLING SIZE	Torque Rating		kW per rpm	HP per 100 rpm	Allow Speed rpm	Bore Range		Bushing Size
	Nm	lb-in				Max mm	Inch	
5R	61	540	0,0064	0.86	4500	15-28	0.500-1.250	JA
10R	113	1,000	0,0118	1.59	4500	15-28	0.500-1.250	JA
20R	305	2,700	0,0320	4.28	4500	24-42	0.500-1.938	SD
30R	497	4,400	0,0521	6.98	4500	24-42	0.500-1.938	SD
40R	994	8,800	0,104	14.0	3600	28-65	0.500-2.938	SF
50R	2 260	20,000	0,237	31.7	3000	35-80	0.875-3.500	E
60R	4 000	35,450	0,420	56.2	2500	50-100	1.438-4.500	J
70R	*	*	*	*	2100	50-100	1.438-4.500	J
80R	*	*	*	*	1800	80-120	1.938-5.500	M †

* Limited by bushing. Refer to bushing manufacturer's recommendation.

† 80R requires a special "M" bushing, manufactured for "reverse" mounting. Consult bushing manufacturer.

Type R31

Full Spacer Coupling/Dimensions



NOTE: Distance Between Shaft Ends (BE) = 2(C) + 2(Z) + Gap - RM
 SPACER DIMENSIONS — MILLIMETERS

SIZE ★	Torque Rating Nm	Allow Speed rpm	Max Bore ♦	Cplg Wt No Bore - kg		BE		A		AA		B	DD	FF	RM	S	Z	Gap	Cover Fasteners •		Flange Fasteners ■		T Shaft Hub
				At Min BE kg	Per Add. BE kg/mm	Min	Max	Nylon Cover	Steel Cover †	Nylon Cover	Steel Cover †								Size	Hex Head	Size	No. Per Flange	
5R	61	4500	35,00	3,63	0,014	80,9	235,0	76,5	76,5	80,5	80,4	34,9	52,4	86,0	1,27	27,4	9,0	2,00	M4	M2.5	M6	4	1020T
10R	121	4500	43,00	4,99	0,015	88,9	254,0	90,5	90,5	94,5	94,4	41,3	59,5	94,0	1,27	31,5	11,0	2,00	M4	M2.5	M6	8	1030T
20R	305	4500	56,00	9,53	0,027	88,9	254,0	126,0	124,0	132,1	130,1	54,0	78,6	113,0	1,27	27,4	15,0	2,00	M6	M4	M6	8	1040T
30R	497	4500	67,00	14,1	0,034	111,1	254,0	146,5	143,0	152,6	149,1	60,3	87,3	126,0	1,27	40,6	17,0	2,00	M6	M4	M8	8	1050T
40R	994	3600	85,00	25,9	0,040	127,0	311,2	182,0	177,0	190,0	185,0	79,4	109,5	153,0	1,27	46,7	21,0	5,00	M8	M5	M10	12	1070T
50R	2,500	3000	95,00	45,4	0,059	165,2	311,2	231,0	224,0	239,0	232,0	88,9	122,2	178,0	1,27	49,8	28,0	5,00	M8	M5	M12	12	1080T
60R	4,000	2500	110,00	72,6	0,082	199,9	311,2	...	267,0	...	278,0	101,6	142,9	210,0	1,27	...	35,2	5,00	M10	M6	M16	12	1090T

SPACER DIMENSIONS — INCHES

SIZE ★	Torque Rating lb-in	Allow Speed rpm	Max Bore ♦	Cplg Wt No Bore - lb		BE		A		AA		B	DD	FF	RM	S	Z	Gap	Cover Fasteners •		Flange Fasteners ■		T Shaft Hub
				At Min BE lb	Per Add. BE lb/in	Min	Max	Nylon Cover	Steel Cover †	Nylon Cover	Steel Cover †								Size	Hex Head	Size	No. Per Flange	
5R	540	4500	1.375	8.0	0.79	3.19	9.25	3.01	3.01	3.17	3.17	1.38	2.06	3.39	0.05	1.08	0.35	0.062	M4	M2.5	M6	4	1020T
10R	1,070	4500	1.625	11.0	0.86	3.50	10.00	3.56	3.56	3.72	3.72	1.63	2.34	3.70	0.05	1.24	0.43	0.062	M4	M2.5	M6	8	1030T
20R	2,700	4500	2.125	21.0	1.49	3.50	10.00	4.96	4.88	5.20	5.12	2.13	3.09	4.45	0.05	1.08	0.59	0.062	M6	M4	M6	8	1040T
30R	4,400	4500	2.375	31.0	1.88	4.38	10.00	5.77	5.63	6.01	5.87	2.38	3.44	4.96	0.05	1.60	0.67	0.062	M6	M4	M8	8	1050T
40R	8,800	3600	3.125	57.0	2.23	5.00	12.25	7.17	6.97	7.48	7.28	3.13	4.31	6.02	0.05	1.84	0.83	0.188	M8	M5	M10	12	1070T
50R	22,100	3000	3.500	100.0	3.31	6.50	12.25	9.09	8.82	9.41	9.13	3.50	4.81	7.01	0.05	1.96	1.10	0.188	M8	M5	M12	12	1080T
60R	35,450	2500	4.000	160.0	4.57	7.87	12.25	...	10.51	...	10.94	4.00	5.63	8.27	0.05	...	1.39	0.188	M10	M6	M16	12	1090T

★ Standard urethane element operating temperature: -40°C (-40°F) to 95°C (200°F). Dimensions are for reference only and are subject to change without notice unless certified.

† 5R-50R nylon cover is standard & epoxy coated steel cover is optional. 60R-80R epoxy coated steel cover is standard (nylon cover not available).

• Cover Fasteners are ISO 7380 Stainless Steel Socket Button Head Cap screws. Two cover fasteners per coupling.

■ Flange Fasteners are ISO Grade 10.9 hex head cap screws for 5R-50R and ISO Grade 8.8 hex head cap screws for 60R.

♦ Maximum Inch Bore listed is for a standard square key. Larger bores, with a rectangular key, are available. Sizes 5R-50R are standard clearance fit with setscrew over keyway. Size 60R is standard interference fit with keyway, but no setscrew. For interference fit with setscrew over keyway, refer to 427-105.

TABLE 6 — Taper-Lock® Bushings for T Shaft Hubs

CPLG SIZE	T Shaft Hub	Torque Rating		kW per rpm	HP per 100 rpm	Allow Speed	Bore Range		Bushing Size
		Nm	lb-in				mm	Inch	
5R	1020T	61	540	0.0064	0.86	4500	13-26	500-1.125	1108
10R	1030T	121	1,070	0.0127	1.70	4500	13-26	500-1.125	1108
20R	1040T	305	2,700	0.0320	4.28	4500	13-35	500-1.375	1310
30R	1050T	485	4,300	0.0509	6.82	4500	13-40	500-1.625	1615
40R	1070T	994	8,800	0.104	14.0	3600	20-63	750-2.500	2525
50R	1080T	1,276	11,300	0.134	17.9	3000	20-63	750-2.500	2525
60R	1090T	2,710	24,000	0.284	38.1	2500	24-75	938-3.000	3030

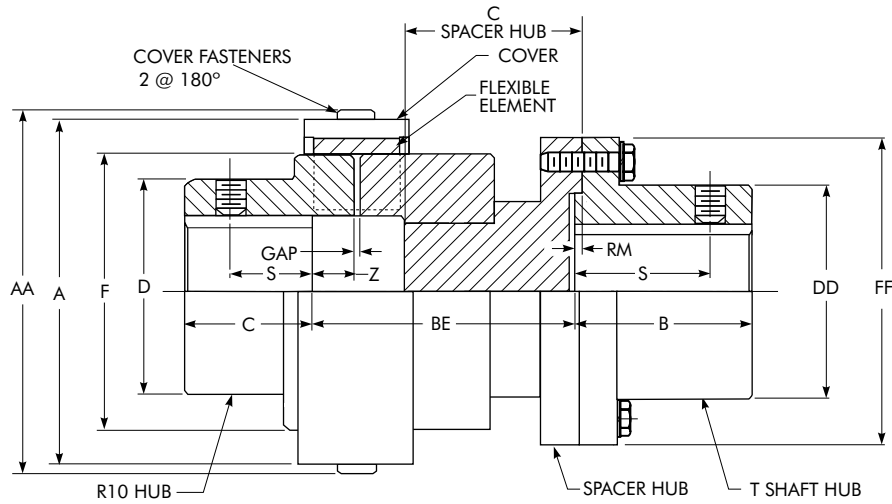
TABLE 7 — Type R31 Stock Standard Spacer Lengths

CPLG SIZE	BE Lengths (Distance Between Shaft Ends)								
	3.50"	100 mm 3.94"	4.38"	5.00"	140 mm 5.51"	180 mm 7.09"	7.25"	9.75"	10.00"
5R	X	X	X	X	...	...	...	...	...
10R	X	X	X	X	X	...	X	...	...
20R	X	X	X	X	X	...	X	...	...
30R	...	...	X	X	X	...	X	...	...
40R	...	...	...	X	X	X	X	X	...
50R	...	...	...	...	...	X	X	X	X
60R	...	...	...	...	...	...	...	X	...

X = Stock. Other BE lengths available. Refer to Falk.

Type R35

Half Spacer Coupling/Dimensions



NOTE: Distance Between Shaft Ends (BE) = (C)_{Spacer Hub} + 2(Z) + Gap - RM
 SPACER DIMENSIONS — MILLIMETERS

SIZE ★	Torque Rating Nm	Allow Speed rpm	Max Bore ↓		Cplg Wt No Bore - kg		BE		A		AA		B	C R10 Hub	D	DD	F	FF	RM	S		Z	Gap	Cover Fasteners ●		Flange Fasteners ■		T Shaft Hub
			T Shaft Hub	R10 Hub	At Min BE kg	Per Add. BE kg/mm	Min	Max	Nylon Cover	Steel Cover †	Nylon Cover	Steel Cover †								Shaft Hub *	R10 Hub *			Size	Hex Head	Size	No. Per Flange	
5R	61	4500	35,00	38,00	2,54	0,014	50,5	127,0	76,5	76,5	80,5	80,4	34,9	26,0	60,0	52,4	64,0	86,0	1,27	27,4	15,9	9,0	2,00	M4	M2,5	M6	4	1020T
10R	121	4500	43,00	45,00	3,96	0,015	59,6	140,0	90,5	90,5	94,5	94,4	41,3	34,0	72,0	59,5	76,0	94,0	1,27	31,5	22,2	11,0	2,00	M4	M2,5	M6	8	1030T
20R	305	4500	56,00	58,00	8,44	0,027	76,5	140,0	126,0	124,0	132,1	130,1	54,0	45,0	92,0	78,6	102,0	113,0	1,27	27,4	25,4	15,0	2,00	M6	M4	M6	8	1040T
30R	497	4500	67,00	64,00	12,9	0,034	87,6	146,1	146,5	143,0	152,6	149,1	60,3	58,0	105,0	87,3	118,0	126,0	1,27	40,6	31,8	17,0	2,00	M6	M4	M8	8	1050T
40R	994	3600	85,00	80,00	22,4	0,040	88,6	184,2	182,0	177,0	190,0	185,0	79,4	67,0	130,0	109,5	150,0	153,0	1,27	46,7	41,3	21,0	5,00	M8	M5	M10	12	1070T
50R	2 500	3000	95,00	105,00	40,3	0,059	113,1	184,2	231,0	224,0	239,0	232,0	88,9	77,0	170,0	122,2	190,0	178,0	1,27	49,8	44,5	28,0	5,00	M8	M5	M12	12	1080T
60R	4 000	2500	110,00	133,00	67,1	0,082	137,6	203,2	...	267,0	...	278,0	101,6	100,0	200,0	142,9	230,0	210,0	1,27	...	...	35,2	5,00	M10	M6	M16	12	1090T

SPACER DIMENSIONS — INCHES

SIZE ★	Torque Rating lb-in	Allow Speed rpm	Max Bore ↓		Cplg Wt No Bore - lb		BE		A		AA		B	C R10 Hub	D	DD	F	FF	RM	S		Z	Gap	Cover Fasteners ●		Flange Fasteners ■		T Shaft Hub		
			T Shaft Hub	R10 Hub	At Min BE lb	Per Add. BE lb/in	Min	Max	Nylon Cover	Steel Cover †	Nylon Cover	Steel Cover †								Shaft Hub *	R10 Hub *			Size	Hex Head	Size	No. Per Flange			
5R	540	4500	1.375	1.500	5.61	0.79	1.99	5.00	3.01	3.01	3.17	1.38	1.02	2.36	2.06	2.52	3.39	0.05	1.08	0.63	0.35	0.062	M4	M2.5	M6	4	1020T			
10R	1,070	4500	1.625	1.750	8.73	0.86	2.35	5.51	3.56	3.56	3.72	1.63	1.34	2.83	2.34	2.99	3.70	0.05	1.24	0.88	0.43	0.062	M4	M2.5	M6	8	1030T			
20R	2,700	4500	2.125	2.250	18.6	1.49	3.01	5.51	4.96	4.88	5.20	1.77	1.77	3.62	3.09	4.02	4.45	0.05	1.08	1.00	0.59	0.062	M6	M4	M6	8	1040T			
30R	4,400	4500	2.375	2.500	28.4	1.88	3.45	5.75	5.77	5.63	6.01	1.88	1.88	2.28	2.38	2.28	4.13	3.44	4.65	4.96	0.05	1.60	1.25	0.67	0.062	M6	M4	M8	8	1050T
40R	8,800	3600	3.125	3.125	49.4	2.23	3.49	7.25	7.17	6.97	7.48	2.28	2.28	2.64	5.12	4.31	5.91	6.02	0.05	1.84	1.63	0.83	0.188	M8	M5	M10	12	1070T		
50R	22,100	3000	3.500	4.125	88.9	3.31	4.45	7.25	9.09	8.82	9.41	2.32	2.32	3.03	3.50	3.03	6.69	4.81	7.48	7.01	0.05	1.96	1.75	1.10	0.188	M8	M5	M12	12	1080T
60R	35,450	2500	4.000	5.250	148	4.57	5.42	8.00	...	10.51	...	10.94	4.00	3.94	6.87	5.63	9.06	8.27	0.05	1.39	0.188	M10	M6	M16	12	1090T		

★ IMPORTANT: Upon removal of spacer hub, working clearance available for equipment removal = "BE" - "Z".

Standard urethane element operating temperature: -40°C (-40°F) to 95°C (200°F). Dimensions are for reference only and are subject to change without notice unless certified.

† 5R-50R nylon cover is standard & epoxy coated steel cover is optional. 60R-80R epoxy coated steel cover is standard (nylon cover not available).

● Cover Fasteners are ISO 7380 Stainless Steel Socket Button Head Cap screws. Two cover fasteners per coupling.

■ Flange Fasteners are ISO Grade 10.9 hex head cap screws for 5R-50R and ISO Grade 8.8 hex head cap screws for 60R.

◆ Maximum Inch Bore listed is for a standard square key. For T shaft hubs only, larger bores with a rectangular key are available. Sizes 5R-50R are standard clearance fit with setscrew(s) over keyway. Size 60R is standard interference fit with keyway, but no setscrew. For interference fit with setscrew over keyway, refer to 427-105.

* Standard for shaft hub is one setscrew over keyway. Standard for R10 hub is two setscrews (one over keyway and one at 90° from keyway).

Taper-Lock bushing for R10 hub, see Table 4, Page 6.

QD bushing for R10 hub, see Table 5, Page 6.

Taper-Lock bushing for T shaft hub, see Table 6, Page 7.

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