SYSTEM COMPONENTS, INC.

Rubber Industrial Couplings

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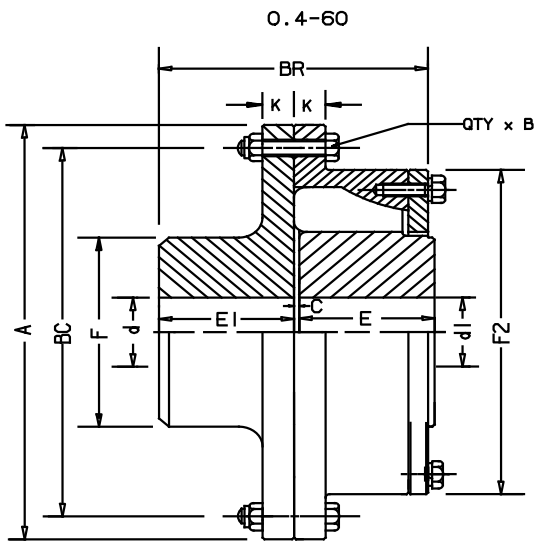
sci-couplings.com

FLEXTORK

Series 'RI' Rubber Industrial Coupling



"RI" Coupling Size		0.4	0.7	1.3	3	6	8	12	18	27	40	60
Rating (HP/100 RPM (5)		6	9.4	18.2	42.1	84.3	112.4	168.6	252.8	379.3	561.6	842.8
Torque Capacity (IN·LBS x 10^3)		3.78	5.9	11.5	26.5	53.1	70.8	106.2	159.3	238.9	353.8	531
Maximum Speed - RPM (1)		7200	6300	5400	4500	4480	3860	3450	2975	2650	2380	2050
(mm)	Max Bore 'd' (4)	41	51	64	73	85	95	109	125	143	162	186
	Min Bore 'd'	27	27	35	37	50	62	68	80	90	105	120
	Max Bore 'd1'	41	51	64	73	85	95	109	125	143	162	186
	Min Bore 'd1'	27	27	37	40	50	55	65	70	85	105	110
Parallel Misalignment (2)		0.8	0.8	0.8	1.2	1.5	1.6	1.6	1.6	1.9	2.1	2.4
Axial Misalignment		0.8	1.2	1.2	1.2	1.25	1.5	1.75	2	2.25	2.5	2.75
A		161.9	187.3	215.9	260.3	260	302	338	392	440	490	568
BR		103	110	130	143	175	193	221.5	254	290.5	329	377.5
C		1	2	2	3	3	3	3.5	4	4.5	5	5.5
E		51	54	64	70	86	95	109	125	143	162	186
E1		51	54	64	70	86	95	109	125	143	162	186
F		76	92	108	122	135	148	168	195	220	252	288
BC		146	171.4	196.8	235	240	276	312	360	407	458	528
F2		133	157	181	221	222	245	280	320	367	418	479
K		9.5	11	12	14.5	11	13.5	14	16	18.5	21	24
QTY		8	8	8	8	12	12	12	12	12	16	12
B		M8	M8	M8	M8	M8	M12	M12	M16	M16	M16	M20
Coupling Weight - kg (3)		6.7	10	15.7	22.9	26.3	37.7	54.8	84.6	123.3	179.3	271.9
Rubber Blocks	Per Cavity	1	1	1	1	1	1	1	1	1	1	1
	Per Coupling	10	10	12	12	16	16	16	16	16	16	16

Notes:

(1) It is recommended that the coupling be dynamically balanced at 80% of the values shown. Speed limits are recommendations based on experience and are intended as a guide only. Consult SCI for speeds higher than those listed.

(2) Recommended initial installation is 25% of values shown. Angular misalignment is 0.5 degrees for all sizes.

(3) Weights are approximate

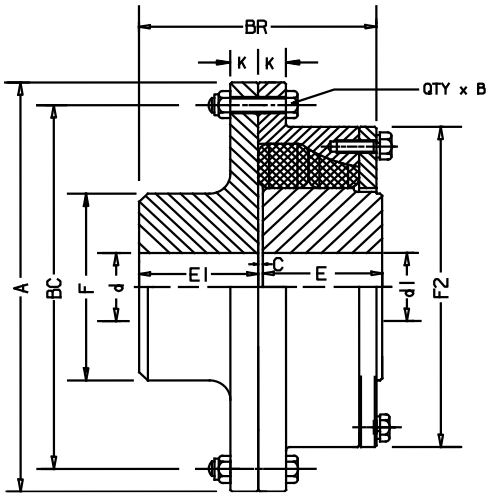
(4) Larger bores are available with increased hub diameter in the driving flange (dimension "F" on the drawing above)

(5) Ratings shown as HP/100 RPM and IN-LB are at 1.0 Service Factor

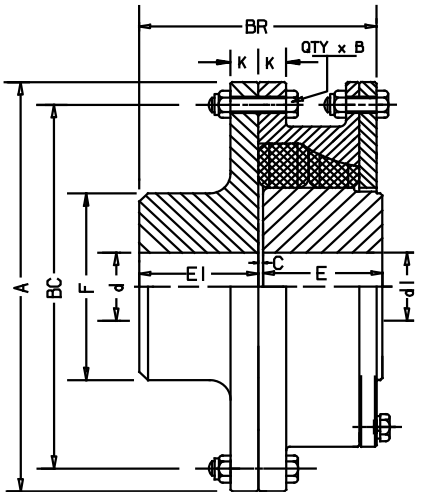
FLEXTORK

Series 'RI' Rubber Industrial Coupling

90-130



180-600



"RI" Coupling Size		90	130	180	270	400	600
Rating:HP/100 RPM (5)		1264	1825	2528	3792	5618	8426
Torque Capacity (IN·LBS x 10^3)		796	1150	1593	2389	3539	5308
Maximum Speed: RPM (1)		1830	1600	1460	1260	1090	975
(mm)	Max. Bore 'd' (4)	213	240	268	307	350	400
	Min. Bore 'd'	140	160	167	182	232	285
	Max. Bore 'd1'	213	240	268	307	350	400
	Min. Bore 'd1'	140	160	170	195	235	285
Parallel misalignment (2)		2.8	3.3	3.5	3.9	4.6	5.2
Axial misalignment		3.25	3.5	4	4.5	5.25	6
A		638	728	798	925	1065	1195
BR		432.5	487	544	623	710.5	812
C		6.5	7	8	9	10.5	12
E		213	240	268	307	350	400
E1		213	240	268	307	350	400
F		330	373	415	475	542	620
BC		598	680	750	865	992	1122
F2		548	620	-	-	-	
K		26.5	31	33.5	36	43	52
QTY		16	16	20	20	20	24
B		M20	M24	M24	M30	M36	M36
Coupling Weight - kg. (3)		395.7	578.7	826.5	1240.3	1847	2669
Rubber Blocks	Per Cavity	2	2	2	2	2	2
	Per Coupling	32	32	32	32	32	32

Notes:

(1) It is recommended that the coupling be dynamically balanced at 80% of the values shown. Speed limits are recommendations based on experience and are intended as a guide only. Consult

(2) Recommended initial installation is 25% of values shown. Angular misalignment is 0.5 degrees for all sizes.

(3) Weights are approximate

(4) Larger bores are available with increased hub diameter in the driving flange (dimension "F" on the drawing above)

(5) Ratings shown as HP/100 RPM and IN-LB are at 1.0 Service Factor

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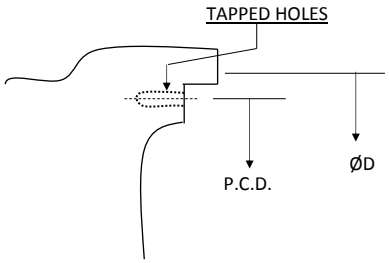
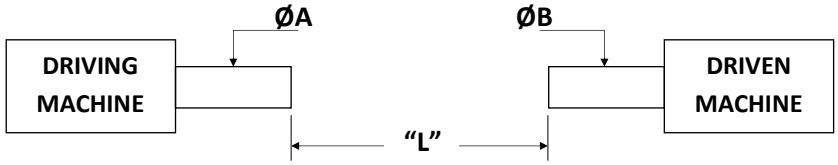
Application Information Sheet

Flywheel Details



Engine Make		
DIA. 'D' -	(MM)	
P.C.D-	(MM)	
NO. OF HOLES-		
TAPPED HOLE THREAD SIZE-	(MM)	

Shaft Details



TYPE OF DRIVE (ELECTRIC MOTOR/DIESEL ENGINE/TURBINE, ETC)		
POWER OF DRIVING MACHINE	(KW/HP)	
SPEED OF DRIVING MACHINE	(RPM)	
SHAFT LENGTH	(MM)	
SHAFT DIA. OF DRIVING MACHINE ØA (STRAIGHT SHAFT OR TAPER)	(MM)	
DRIVEN MACHINE (GEAR BOX/FAN/PUMP, ETC)		
SHAFT DIA. OF DRIVEN MACHINE ØB	(MM)	
DISTANCE BETWEEN SHAFT ENDS "L"	(MM)	
ARE BOTH DRIVING AND DRIVEN MACHINES AXIALLY LOCATED?		
IF NOT, L.E.F. REQUIRED (LIMITED END FLOAT)		

IF COUPLING IS BETWEEN OUTPUT SIDE OF GEARBOX & DRIVEN MACHINE:

—WHAT IS OUTPUT SPEED?	(RPM)	
—WHAT IS SHAFT DIAMETER?	(MM)	
—WHAT IS OUTPUT SHAFT LENGTH?	(MM)	

NOTE:

1) LARGE BOSS DRIVING FLANGE AVAILABLE ON REQUEST
2) BRAKE DRUM ARRANGEMENT AVAILABLE
3) CARDAN SHAFT DRIVES AVAILABLE

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