3. Determine Size using Coupling Rating Tables

Use the following formula to calculate the required coupling kilowatt rating @ 100 RPM.
KW @ 100 RPM = KW x Service Factor x 100 / coupling RPM

Use the chart below to find a coupling with a KW @ 100 RPM rating which is greater than calculated above.

Example: For 4 KW @ 55 RPM, 1.25 Service Factor:
KW @ 100 = 4 x 1.25 x 100 / 55 = 9.09
Use #12 EPDM or Neoprene, or #10 Hytrel.

Note: Do not exceed a 5.2 Service Factor for EPDM or Neoprene sleeves, or 4.0 for Hytrel sleeves.

Online Selection Tools

Coupling selection program, 3-D CAD models, e-catalog and interchange guide make selecting the right coupling simple!

www.TBWoods.com/Couplings

New! Sure-Flex Plus EPDM and Neoprene sleeves have a 30% higher torque capacity.

Coupling Ratings (Metric)

Size	EPDM Sleeve	Neoprene Sleeve	KW @ RPM				Torque (Nm)	Stiffness (Nm/rad)	Max RPM
			100	970	1450	3000			
3	JE,JES	JN,JNS	0.09	0.90	1.3	2.8	8.8	26	9200
4	E,JE,JES	N,JN,JNS	0.18	1.8	2.7	5.5	18	52	7600
5	E,JE,JES	N,JN,JNS	0.37	3.6	5.4	11	35	104	7600
6	E,JE,JES	N,JN,JNS	0.69	6.7	10	21	66	194	6000
7	E,JE,JES	N,JN,JNS	1.1	11	16	33	107	313	5250
8	E,JE,JES	N,JN,JNS	1.8	17	25	52	167	490	4500
9	E,JE,JES	N	2.8	27	40	83	264	777	3750
10	E,JE,JES	N	4.4	43	64	133	422	1241	3600
11	E	N	7.0	68	101	209	666	1955	3600
12	E	N	11	107	161	332	1058	3107	2800
13	E	N	17	169	253	524	1667	4898	2400
14	E	N	28	269	402	831	2644	7768	2200
16	E	-	56	542	811	1677	5338	20392	1500

Size	Hytrel Sleeve	KW @ RPM				Torque (Nm)	Stiffness (Nm/rad)	Max RPM
		100	970	1450	3000			
6	H, HS	2.1	21	31	64	203	1130	6000
7	H, HS	3.4	33	49	102	325	2260	5250
8	H, HS	5.4	52	78	161	512	3390	4500
9	H, HS	8.5	83	124	256	814	5367	3750
10	H, HS	13	130	195	403	1282	11299*	3600
11	H, HS	21	207	309	639	2034	14123*	3600
12	H, HS	37	362	540	1118	3559	25422*	2800
13	HS	56	542	811	1678	5341	41680	2400
14	HS	86	832	1243	2573	8189	67028	2200