

TECHSTAR

FEATURES

Vertical split cover: Ideal for higher running speeds and general purpose. Horizontal split also available for specific applications.

Lubrication fittings: One or more lube holes in each half cover makes for easier lubrication. Fill through one and remove other plug for venting.

Seals: Durable synthetic material prevents loss of lubricant & entrance of water, dust or other foreign materials.

Hubs: Made of steel for maximum strength.

Taper Grid: Made of high strength steel, quenched and tempered to spring hardness.

Selection Procedure

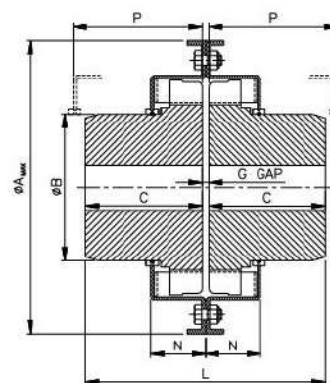
1. Select appropriate service factor F.
2. Calculate coupling Torque T (Knm)

$$T = \frac{9.55 \times kW \times F}{N}$$

Where kW = Drive rated power (kW)
N = Speed (rev./min)

3. Select coupling with the same or higher Torque.
4. Check hub bore capacity.
5. Check allowable speed.

GRID COUPLING T20



TECHNICAL DATA

Coupling Size	KW at 100 RPM	Basic Torque (Nm)	Max. Speed (rpm)	Bore Dia (mm)		Dimensions (mm)						Gap (mm)	Lube weight (Kg)	Weight In (kg)
				Min.	Max.	ØA	ØB	C	L	N	P			
1020	0.50	48	6000	13.0	30	111.0	39.7	47.5	98.0	24.0	47.5	3	0.03	2.0
1030	1.40	134	6000	13.0	36	121.0	49.2	47.5	98.0	25.0	47.5	3	0.03	2.6
1040	2.30	219	6000	13.0	44	128.5	57.1	51.0	104.5	25.5	51.0	3	0.05	3.4
1050	4.10	391	6000	13.0	51	147.5	66.7	60.5	123.5	31.0	60.5	3	0.05	5.4
1060	6.49	620	6000	19.0	57	162.0	76.2	63.5	130.0	32.0	63.5	3	0.09	7.3
1070	9.39	897	5500	19.0	68	173.0	87.3	76.0	155.5	33.5	76.0	3	0.11	10.4
1080	19.48	1860	4750	27.0	82	200.0	104.8	89.0	181.0	44.0	89.0	3	0.17	17.7
1090	34.96	3339	4000	27.0	95	232.0	123.8	98.5	200.0	47.5	98.5	3	0.25	25.4
1100	59.44	5676	3250	41.5	110	267.0	142.0	120.5	245.5	60.0	120.5	4.5	0.43	42.2
1110	87.90	8395	3000	41.5	120	286.0	160.3	127.0	258.5	64.0	127.0	4.5	0.51	54.4
1120	129.86	12401	2700	60.5	140	319.0	179.4	149.0	304.5	73.5	149.0	6	0.73	81.6
1130	188.79	18030	2400	67.0	170	378.0	217.5	162.0	330.0	75.0	162.0	6	0.91	122.5
1140	271.70	25948	2200	67.0	200	416.0	254.0	183.0	371.5	78.0	183.0	6	1.13	180.1
1150	378.59	36155	2000	108.0	215	476.5	269.2	183.0	372.0	107.0	183.0	6	1.95	230.0
1160	532.04	50810	1750	121.0	240	533.5	304.8	198.0	402.0	114.5	198.0	6	2.81	321.1
1170	709.38	67746	1600	133.5	280	584.0	355.6	216.0	438.0	120.0	216.0	6	3.49	448.2
1180	983.68	93941	1400	152.5	300	630.0	393.7	239.0	483.5	130.0	239.0	6	3.76	591.0
1190	1300.53	124201	1300	152.5	335	685.0	436.9	260.0	524.0	135.0	259.0	6	4.40	761.0
1200	1773.46	169365	1100	178.0	360	737.0	497.8	279.5	565.0	145.0	279.5	6	5.62	1021.0