



FEATURES

- Simple construction, quick and easy installation
- Spider design presets correct distance between hubs, using raised dimple on leg of the spider
- Spiders are unaffected by moisture, grease and oils including non-aromatic and non-ketone solvents
- Temperatures within the range – 40°C to + 100°C
- Range up to 4308 Nm
- Maximum permissible misalignment: angular 1°, parallel 0.4 mm & axial 3 mm (initial alignment must be 25 % of maximum)

Dimensions & Technical Data

Size	Rated Torque Nm	kW Rating at			Dimensions in mm							Torsional Stiffness Nm / rad	Material of hubs		Moment of inertia (kg.m ²)
		100 rpm	1500 rpm	3000 rpm	Min. bore	Max. bore	Ø A	B	C	Ø D	E				
35	0.38	0.004	0.06	0.12	3	10	16	19	1	16	5.5	4	SI	AL	3.2. 10 ⁻⁷
50	2.50	0.030	0.45	0.90	6	16	28	46	1	28	17	36	SI	AL	7.50. 10 ⁻⁶
70	4.90	0.050	0.75	1.50	9	20	35	51	2	36	19	80	SI	AL	2.91. 10 ⁻⁵
75	9.80	0.100	1.50	3.00	9	22	45	55	2	45	21	119	SI/CI	AL	7.43. 10 ⁻⁵
90	21	0.220	3.30	6.60	10	28	54	55	2	54	21	275	CI	AL	1.96. 10 ⁻⁴
95	21	0.220	3.30	6.60	10	28	54	63	2	49	25	275	SI/CI	AL	2.88. 10 ⁻⁴
99	35	0.370	5.55	11.10	10	30	65	72	2	51	27	688	CI	AL	4.92. 10 ⁻⁴
100	46	0.490	7.35	14.70	10	35	65	88	2	57	35	688	CI	AL	7.67. 10 ⁻⁴
110	89	0.930	13.95	27.90	15	42	85	108	3	76	43	1719	CI	AL	2.77. 10 ⁻³
150	141	1.490	22.35	44.70	15	48	96	115	3	80	45	2120	CI	-	4.19. 10 ⁻³
190	190	2.010	30.15	60.30	20	60	115	133	3	102	54	3495	CI	-	0.01200
225	265	2.760	41.40	82.80	20	65	127	153	3	111	64	4584	CI	-	0.01800
226	324	3.430	51.45	102.90	25	70	137	178	3	119	70	6990	CI	-	0.03000
276	532	5.600	84.00	168.00	25	75	157	200	3	127	80	12720	CI	-	0.05300
280	782	8.200	123.00	246.00	30	80	192	200	3	140	80	22517	CI	-	0.10200
295	1279	13.400	201.00	-	40	95	237	238	3	162	95	51222	CI	-	0.27100
2955	2132	22.400	336.00	-	50	105	237	264	3	180	108	85428	CI	-	0.32000
300	3047	31.900	478.50	-	50	105	254	283	3	180	115	126395	CI	-	0.41000
350	4308	45.000	675.00	-	50	115	305	309	3	200	128	183633	CI	-	0.82100

MATERIAL SPECIFICATIONS

Hub	Size-050-110	Aluminium	AL	BS 1490-LM 4
Hub	Size-035-070	Sintered Iron	SI	DIN - 30910 C 11
Hub	Size-090-225	Cast Iron	CI	DIN 1693 GG 20
Hub	Size-226-350	Cast Iron	CI	DIN 1693 GG 25
Spider (80° Shore A)	Size-035-350	Synthetic Rubber	NBR	ASTM D2000 BG 810

Alternative Spider for higher power ratings is available on request.

Spider (92° Shore A)	Size-035-350	Synthetic Rubber	NBR	ASTM D2000 BG 910	Torque 1.6 times of standard
Spider (80° Shore A)	Size-035-350	Synthetic Rubber	EPDM	ASTM D 2000 AA 810	Torque as per standard
Spider (Yellow Colour) (92° Shore A)	Size-035-350	Polyurethane	PU		Torque 1.8 times of standard
Spider (Red Colour) (98° Shore A)	Size-035-350	Polyurethane	PU		Torque 2.5 times of standard
Spider (65° Shore D)	Size-050-095	Hytrel	Hyt		Torque 3.5 times of standard for slow speed

- Max speed not to exceed for CI hubs for surface speed V = 35 m / sec
- Max speed not to exceed for Aluminum hubs for surface speed V = 30 m / sec
- Max speed not to exceed for SI hubs for surface speed V = 25 m / sec

• For temperature range of elastomers please see on page no. 34 - coupling selection

