

Technical data spiders

SOFTEX® type	80° Shore A [Nm]			92° Shore A [Nm]			98° Shore A [Nm]			64° Shore D [Nm]			Max. speed [1 / min]	
	Cont. T _{KN}	max. T _{Kmax.}	Alter- nating T _{KW}	Cont. T _{KN}	max. T _{Kmax.}	Alter- nating T _{KW}	Cont. T _{KN}	max. T _{Kmax.}	Alter- nating T _{KW}	Cont. T _{KN}	max. T _{Kmax.}	Alter- nating T _{KW}	v=30 m/s	v=40 m/s
14 / 16	4	8	1	7.5	15	2	12.5	25	3.3	–	–	–	19000	–
19 / 24	4.9	9.7	1.3	10	20	2.6	17	34	4.4	–	–	–	14000	19000
24 / 30	17	34	4.4	35	70	9	60	120	16	75	150	20	10600	14000
28 / 38	46	92	12	95	190	25	160	320	42	200	400	52	8500	11800
38 / 45	93	186	24	190	380	49	325	650	85	405	810	105	7100	9500
42 / 55	130	260	34	265	530	69	450	900	120	560	1120	145	6000	8000
48 / 60	150	300	39	310	620	81	525	1050	137	655	1310	170	5600	7100
55 / 70	180	360	47	410	820	93	685	1370	163	825	1650	215	4750	6300
65 / 75	205	410	53	625	1250	111	940	1880	169	1175	2350	306	4250	5600
75 / 90	475	950	124	1280	2560	254	1920	3840	390	2400	4800	624	3550	4750
90 / 100	1175	2350	306	2400	4800	624	3600	7200	963	4500	9000	1170	2800	3750
100 / 110	–	–	–	–	–	–	4950	9900	1287	–	–	–	2500	3350
110 / 125	–	–	–	–	–	–	7200	14400	1560	–	–	–	2240	3000
125 / 145	–	–	–	–	–	–	7500	15000	1950	–	–	–	2000	2650

For peripheral speeds exceeding $V = 30$ m/s dynamically balanced hubs made of GGG or steel instead of GG hubs are required.

Technical features spiders

Characteristics	80° Shore A	92° Shore A	98° Shore A	64° Shore D
Colour				
Material	Polyurethane			Hytrell
Permissible durable temperature range	-50°C up to +80°C	-40°C up to +90°C	-30°C up to +90°C	-50°C up to +120°C
Permissible short term temperature peaks	-60°C up to +80°C	-50°C up to +120°C	-40°C up to +120°C	-60°C up to +150°C
Damping	Very good	Good	Medium	Low
Elasticity	Soft	Medium	Hard	Very hard
Wear resistance	Very good	Very good	Good	Good
Durability	Excellent	Very good	Very good	Very good
Typical applications	Normal drives, also with resonance speed possibility	Normal drives	Normal drives with high performance	High performance with small torsional angle