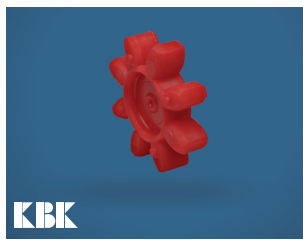


## Spider Elements for Couplings Type KBE

Type KBE series



**80 ShoreA**  
operating temperature:  
-50 to +80  
peak temperature: -60 to +120

**92 ShoreA**  
operating temperature:  
-30 to +90  
peak temperature: -50 bis +120

**98 ShoreA**  
operating temperature:  
-30 to +90  
peak temperature: -40 bis +120

**64 ShoreD**  
operating temperature:  
-20 to +110  
peak temperature: -30 bis +120

Order Code

**ZK19 - 98Sh**

Type / Size

Shore-  
hardness

Size	Hardness	Torque [Nm]		Torsional Stiffness Static [Nm/rad]	Torsional Stiffness Dynamic [Nm/rad]	Spring Stiffness radial [N/mm]	Misalignment			max. Bore [mm]
		TK nom.	TK max				axial [mm]	radial [mm]	angular [Grad]	
5	80 ShA	0.3	0.6	3.15	10	82	+0.4/ -0.2	0.12	1.1°	3
	92 ShA	0.5	1.0	5.16	16	154	+0.4 / -0.2	0.06	1.0°	
7	80 ShA	0.7	1.4	8.6	26	114	+0.6 / -0.3	0.15	1.1°	3
	92 ShA	1.2	2.4	14.3	43	219	+0.6 / -0.3	0.10	1.0°	
	98 ShA	2	4	22.9	69	421	+0.6 / -0.3	0.10	1.0°	
	64 ShD	2.4	4.8	34.3	103	630	+0.6 / -0.3	0.04	0.8°	
9	80 ShA	1.8	3.6	17.2	52	125	+0.8 / -0.4	0.2	1.1°	7
	92 ShA	3	6	31.5	95	262	+0.8 / -0.4	0.15	1.0°	
	98 ShA	5	10	51.6	155	518	+0.8 / -0.4	0.1	0.9°	
	64 ShD	6	12	74.6	224	739	+0.8 / -0.4	0.05	0.8°	
12	80 ShA	3	6	84.3	252	274	+0.9 / -0.4	0.20	1.1°	8
	92 ShA	5	10	160.4	482	470	+0.9 / -0.4	0.14	1.0°	
	98 ShA	9	18	240.7	718	846	+0.9 / -0.4	0.08	0.9°	
	64 ShD	12	24	327.9	982	1198	+0.9 / -0.4	0.05	0.8°	
14	80 ShA	4	8	60.2	180	153	+1.0 / -0.5	0.21	1.1°	10
	92 ShA	7.5	15	114.6	344	336	+1.0 / -0.5	0.15	1.0°	
	98 ShA	12.5	25	171.9	513	654	+1.0 / -0.5	0.09	0.9°	
	64 ShD	16	32	234.2	702	856	+1.0 / -0.5	0.06	0.8°	
19	80 ShA	6	12	618	1065	582	+1.2 / -0.5	0.15	1.1°	18
	92 ShA	12	24	1090	1815	1120	+1.2 / -0.5	0.10	1.0°	
	98 ShA	21	42	1512	2540	2010	+1.2 / -0.5	0.06	0.9°	
	64 ShD	26	52	2560	3810	2930	+1.2 / -0.5	0.04	0.8°	
24	80 ShA	17	34	860	1390	840	+1.4 / -0.5	0.2	1.0°	27
	92 ShA	35	70	2300	5130	1900	+1.4 / -0.5	0.15	1.0°	
	98 ShA	60	120	3700	8130	2940	+1.4 / -0.5	0.11	0.9°	
	64 ShD	75	150	5030	11500	4200	+1.4 / -0.5	0.08	0.8°	
28	80 ShA	46	92	1370	2350	990	+1.5 / -0.7	0.2	1.3°	30
	92 ShA	95	190	4080	6745	1780	+1.5 / -0.7	0.15	1.0°	
	98 ShA	160	320	6410	9920	3200	+1.5 / -0.7	0.11	0.9°	
	64 ShD	200	400	10260	20177	4348	+1.5 / -0.7	0.08	0.8°	
38	92 ShA	190	380	6525	12000	2350	+ 1.8 / -0.7	0.17	1.0°	38
	98 ShA	325	650	11800	21850	4400	+1.8 / -0.7	0.12	0.9°	
	64 ShD	405	810	26300	40335	6474	+1.8 / -0.7	0.09	0.8°	
42	92 ShA	265	530	10870	20500	4100	+ 2.0 / -1.0	0.19	1.0°	46
	98 ShA	450	900	21594	37692	5940	+ 2.0 / -1.0	0.14	0.9°	
	64 ShD	560	1120	36860	71400	7590	+ 2.0 / -1.0	0.10	0.8°	
48	92 ShA	310	620	12968	22800	4500	+ 2.1 / -1.0	0.23	1.0°	51
	98 ShA	525	1050	25759	49400	6820	+ 2.1 / -1.0	0.16	0.9°	
	64 ShD	655	1310	57630	102800	9000	+ 2.1 / -1.0	0.11	0.8°	
55	92 ShA	410	820	15482	21375	2980	+ 2.2 / -1.0	0.24	1.0°	58
	98 ShA	685	1370	42117	61550	6686	+ 2.2 / -1.0	0.17	0.9°	
	64 ShD	825	1650	105730	130200	9248	+ 2.2 / -1.0	0.12	0.8°	