

## Spiders for Elastic Couplings, backlash-free type, 92° Shore A

**Material:** Polyurethane, shore hardness 92°A (soft), yellow.

Spiders (plastic inserts) for backlash-free elastic couplings (jaw couplings) like RNH, RNK, RNKC and foreign parts of the same kind from other suppliers. Soft type, for common usage. Temperature range -40°C to +90°C.

Ordering Details: e.g.: Product No. 60519205, Spider backlash-free, 92°A, Size 5

Product No. yellow	Size	Outside Ø		Transmittable torque		Tors. stiffness*		Stiffn. radial N/mm	Weight g
		D mm	No. of teeth	Nominal Nm	Peak Nm	static Nm/rad	dynam. Nm/rad		
605 192 05	5	10	4	0,5	1,0	5,2	16	154	0,2
605 192 07	7	14	4	1,1	2,2	14,3	43	219	0,7
605 192 09	9	20	4	2,9	5,9	31,5	95	262	1,8
605 192 12	12	25	4	5	10	160	482	470	2,2
605 192 14	14	30	4	7,5	15	115	344	336	4,6
605 192 19	19	40	6	10	20	573	1720	1120	7
605 192 24	24	55	8	35	70	1432	4296	1480	18
605 192 28	28	65	8	95	190	2292	6876	1780	29
605 192 38	38	80	8	190	380	4584	13752	2350	49
605 192 42	42	95	8	265	530	6300	14490	2430	79
605 192 48	48	105	8	310	620	7850	18055	2580	98
605 192 55	55	120	8	410	820	9500	21850	2980	115

\* Torsional spring stiffness at 0.5 x nominal torque.



## Spiders for Elastic Couplings, backlash-free type, 98° Shore A

**Material:** Polyurethane, shore hardness 98°A (medium hard), red.

Spiders (plastic inserts) for backlash-free elastic couplings (jaw couplings) like RNH, RNK, RNKC, connecting shafts RNW and foreign parts of the same kind from other suppliers. Medium hard type, for high torques. Temperature range -30°C to +100°C.

Ordering Details: e.g.: Product No. 60519814, Spider backlash-free, 98°A, Size 14

Product No. red	Size	Outside Ø		Transmittable torque		Tors. stiffness*		Stiffn. radial N/mm	Weight g
		D mm	No. of teeth	Nominal Nm	Peak Nm	static Nm/rad	dynam. Nm/rad		
605 198 12	12	25	4	5	10	241	718	846	2,2
605 198 14	14	30	4	12,5	25	172	513	654	4,6
605 198 19	19	40	6	17	34	860	2580	2010	7
605 198 24	24	55	8	60	120	2060	6190	2560	18
605 198 28	28	65	8	160	320	3440	10314	3200	29
605 198 38	38	80	8	325	650	7160	21486	4400	49
605 198 42	42	95	8	450	900	19200	37690	5570	79
605 198 48	48	105	8	525	1050	22370	45620	5930	98
605 198 55	55	120	8	685	1370	23800	59500	6686	115

\* Torsional spring stiffness at 0.5 x nominal torque.



## Spiders for Elastic Couplings, backlash-free type, 64° Shore D

**Material:** Polyurethane, shore hardness 64°D (hard), green.

Spiders (plastic inserts) for backlash-free elastic couplings (jaw couplings) like RNH, RNK, RNKC, connecting shafts RNW and foreign parts of the same kind from other suppliers. Hard type, for very high torques at small torsion angle. Temperature range -20°C to +100°C.

Ordering Details: e.g.: Product No. 60516414, Spider backlash-free, 64°D, Size 14

Product No. green	Size	Outside Ø		Transmittable torque		Tors. stiffness*		Stiffn. radial N/mm	Weight g
		D mm	No. of teeth	Nominal Nm	Peak Nm	static Nm/rad	dynam. Nm/rad		
605 164 14	14	30	4	16	32	234	702	856	4,6
605 164 19	19	40	6	21	42	2560	3810	2930	7
605 164 24	24	55	8	75	150	2978	8934	3696	18
605 164 28	28	65	8	200	400	4350	13050	4348	29
605 164 38	38	80	8	405	810	10540	31620	6474	49
605 164 42	42	95	8	560	1120	27580	68950	7270	79
605 164 48	48	105	8	655	1310	36200	90500	8274	98
605 164 55	55	120	8	825	1650	41460	103650	9248	115

\* Torsional spring stiffness at 0.5 x nominal torque.



**Note:** Spiders with hardness 64°D Shore are not recommended for taper couplings. At couplings made from aluminium, the effective torque should not be higher than the transmittable torque of the 98°A Shore spiders.