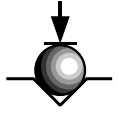
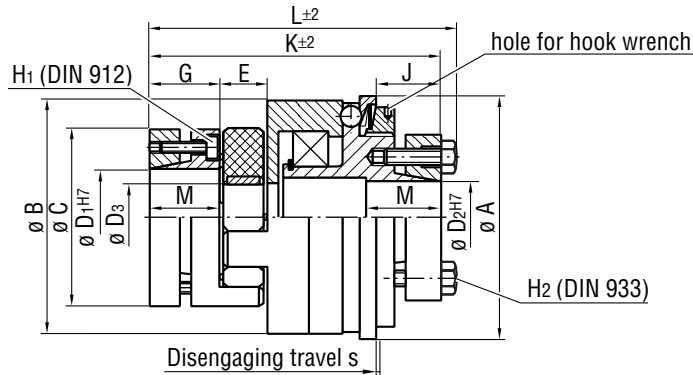


Backlash-free safety couplings



Series DXK/SS with outer conical hubs – self-releasing during dismantling

Axial plug-type with elastomer gear ring



Technical data – series DXK/SS

TYPE		10	18	30	60	150	300	500
Disengaging torque (Nm) adjustable	T_{KN} Version a	2–5	3–9	10–30	12–35	45–110	70–160	90–250
	T_{KN} Version b	5–10	9–18	—	20–70	90–180	150–300	200–500
Moment of inertia (10^{-3} Kgm ²)	J Hub side	0.05	0.1	0.17	0.32	0.8	3	5
	J Elastomer side	0.09	0.2	0.36	0.65	1.5	5	10
Weight (appr. kg)	m	0.33	0.5	0.68	1.4	2.15	4.6	7.5
Tightening torque of retaining screws (Nm)	M_A	1.9	4	5	18	10	14	35
Max. permissible misalignment	- radial (mm) ΔK_r	0.06	0.06	0.08	0.1	0.11	0.12	0.16
	- axial (mm) ΔK_a	1.0	1.2	1.3	1.4	1.5	1.8	2.1
	- angular (degrees) ΔK_w	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Dynamic torsional stiffness (Nm/rad)	$C_{T\ dyn}$	513	2580	4380	6189	10314	21486	55925
Radial spring stiffness (N/mm)	C_r	604	2010	2290	2560	3200	4400	5930
Max. rotational speed (rpm)	n_{max}	11450	8950	8420	7250	5840	4850	4407
Disengaging travel (mm)	s	0.6	0.7	1.2	1.2	2	2	2

Dimensions (mm) – series DXK/SS

TYPE		10	18	30	60	150	300	500
Ø A		50	64	68	79	98	119	130
Ø B		49	59	60	75	92	119	125
Ø C		30	40	45	55	65	80	105
Ø D ₁	min. – max.	10–14	10–19	12–20	15–25	19–38	24–40	35–48
Ø D ₂	min. – max.	8–14	8–16	12–18	20–25	25–38	30–40	35–45
Ø D ₃		—	12	16	20	24	27	39
E		13	16	17	18	20	24	28
G		18.5	25	26.5	30	35	45	48
H ₁	DIN 912	4 x M3	6 x M4	6 x M4	4 x M5	8 x M5	8 x M6	4 x M10
H ₂	DIN 933	6 x M3	6 x M4	6 x M5	6 x M5	6 x M6	6 x M6	6 x M8
J		17	19	22	30	30	35	37
K		72	92	100	125	130	154	168
L		74	95	104	129	134	159	173
M		18.5	25	18	26	33	33	44

- Temperature range: -30 °C to +90 °C
 - Ring gear made of polyurethane Sh 98 A.
 Other shore hardnesses Sh 92 A / Sh 64 D

D₁ Elastomer side: hubs 10 to 300 made of aluminium, hub 500 made of steel

D₂ Hub side: 10 to 500 made of steel
 Clamping ring: 10 to 500 made of steel