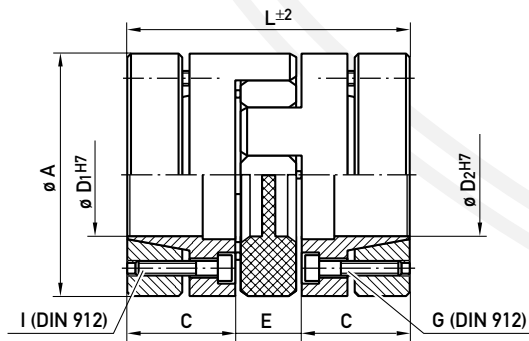


MICROFLEX

BACKLASH-FREE SERVO-INSERT COUPLINGS

Type SE3 with outer conical hubs-release during dismantling



Ordering data

SE3 38/45	30 ^{H7}	35 ^{H7}	XX
Type			
Bore diameter D ₁			
Bore diameter D ₂			
Further details, e.g. special material, keyway 2)			

Technical Data – Type SE3

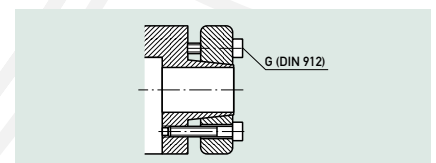
SIZE			14	19/24	24/28	28/38	38/45	42/55	48/60
Nominal torque (Nm)	T _{KN}		10	18	30	60	150	300	500
Torsional stiffness (Nm/rad)	C _{T dyn}		513	2580	4380	6189	10314	21486	55925
Radial spring (N/mm)	C _r		604	2010	2290	2560	3200	4400	5930
Moment of inertia (10 ⁻³ Kgm ²)	J per hub		0,007	0,031	0,13	0,31	0,96	3,17	5,2
Tightening torque for retaining screws (Nm)			1.9	4	5	10	10	18	65
Weight per hub (kg)			0,049	0,12	0,28	0,45	0,95	2,3	3,08
Max. approved misalignment									
- radial (mm)			0.06	0.06	0.08	0.1	0.11	0.12	0.16
- axial (mm)			1	1.2	1.3	1.4	1.5	1.8	2.1
- angular (degree)			0.9	0.9	0.9	0.9	0.9	0.9	0.9
Maximum rpm			19000	14000	12000	10600	8500	7100	5600

Dimensional Data (mm) – Type SE3

SIZE		14	15/24	24/28	28/38	38/45	42/55	48/60
L±2		50	66	70	78	90	114	140
ø A		30	40	45	55	65	80	105
C		18.5	25	26.5	30	35	45	56
ø D ₁ ^{H7} / ø D ₂ ^{H7} 1)								
- min.		10	10	12	15	19	24	35
- max.		14	19	20	25	35	40	48
E		13	16	17	18	20	24	28
G (DIN 912)		4 x M3	6 x M4	6 x M4	4 x M5	8 x M5	8 x M6	4 x M10

- Temperature range: -30 °C to +90 °C
- Ring gear material: Polyurethane Sh 98 A further shore hardnesses Sh 92 A / Sh 64 D
- Hubs 14 to 38/45 are made of aluminum
- Hub 42/55 and 48/60 are made of steel
- Clamping rings are made of steel

- 1) Smaller ø possible for lower transfer moments.
- 2) Stainless steel version also available.



Hub B available on request.