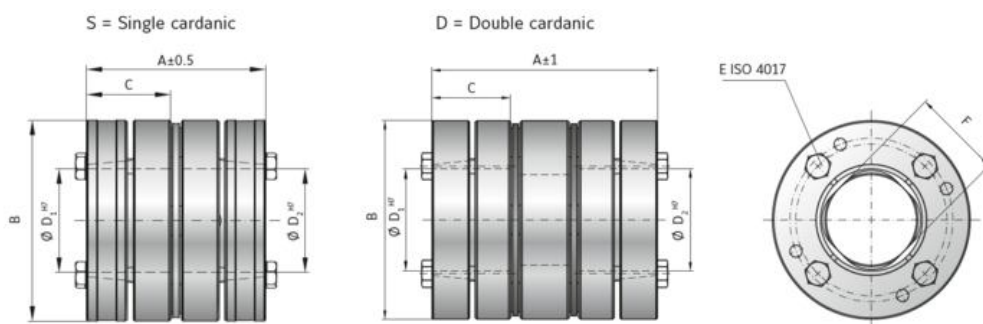




SCL3 SERVO DISC PACK COUPLING WITH EXTERNAL CLAMPING RING



SPECIFICATIONS SCL3

SCL3 Series		25	40	60	100
Elastomer insert type		S D	S D	S D	S D
Rated torque (Nm)	T _{KN}	25	40	60	100
Overall length (mm)	A	56,6 73,2	56,9 75,3	57,5 77,6	73,7 103,8
Outside diameter (mm)	B	56	63	68	82
Fit length (mm)	C	27	27	27	32,5
Inside diameter H7 (mm)	D ₁ /D ₂	18-28	20-30	27-35	24-40
Fastening screw	E	M5	M5	M5	M5
Tightening torque of the fastening screw (Nm)	E	5,5	6	6	6
Shaft diameter limitation (mm)	F	26	-	31	38
Moment of inertia (10 ⁻³ kgm ²)	J _{ges.}	0,144 0,187	0,230 0,304	0,310 0,422	0,837 1,170
Approximate weight (kg)		0,299 0,390	0,384 0,508	0,435 0,603	0,835 1,156
Torsional stiffness (Nm/rad)	C _T	46000 23000	58000 29000	82000 41000	157000 78500
Axial ± (mm)	max.	0,40 0,81	0,42 0,85	0,50 1,00	0,55 1,15
Lateral ± (mm)	max.	- 0,29	- 0,32	- 0,35	- 0,53
Angular ± (degree)	max.	1 2	1 2	1 2	1 2
Speed max. (rpm)		10000	10000	10000	10000
		25	40	60	100
CAD Portal		×	×	×	×

PROPERTIES

FEATURES

- high torsional stiffness
- low inertia
- backlash free

low imbalance

MATERIAL

Disc packs: highly elastic spring steel

Hubs and spacer: aluminium

DESIGN

Two precision machined coupling hubs and precision spacer mounted to the disc packs by means of high strength screws and washers for frictional clamping of the assembly.

Also available as single cardanic design.

 [← Overview](#)
