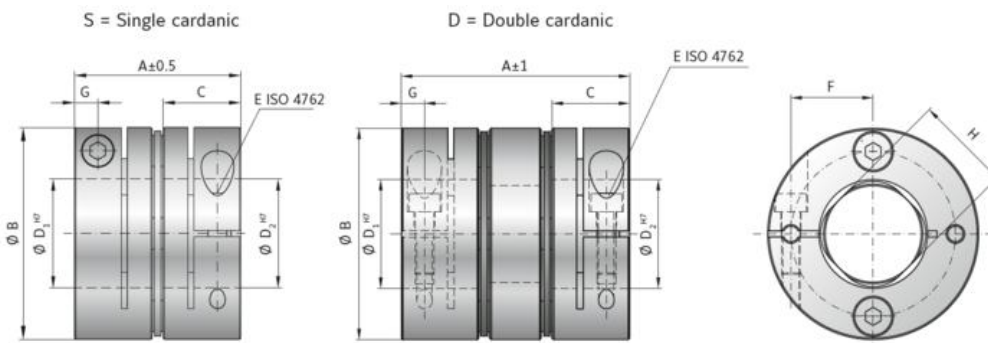




SCL2 SERVO DISC PACK COUPLING WITH CLAMPING HUB



SPECIFICATIONS SCL2

SCL2 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	43,6 60,2	50,9 69,3	53,5 73,6	68,7 98,8
Outside diameter (mm)	B	56	63	68	82
Fit length (mm)	C	20,5	24	25	30
Inside diameter H7 (mm)	D ₁ /D ₂	15-30	16-30	25-35	26-40
Fastening screw	E	M5	M6	M6	M8
Tightening torque of the fastening screw (Nm)	E	8	15	15	30
Distance between centerlines (mm)	F	22	23	26,5	28
Distance (mm)	G	6	7,5	7,5	8,5
Shaft diameter limitation (mm)	H	26	-	31	38
Moment of inertia (10 ⁻³ kgm ²)	J _{ges.}	0,095 0,138	0,182 0,256	0,260 0,373	0,706 1,036
Approximate weight (kg)		0,192 0,284	0,304 0,428	0,363 0,531	0,694 1,022
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](#)
