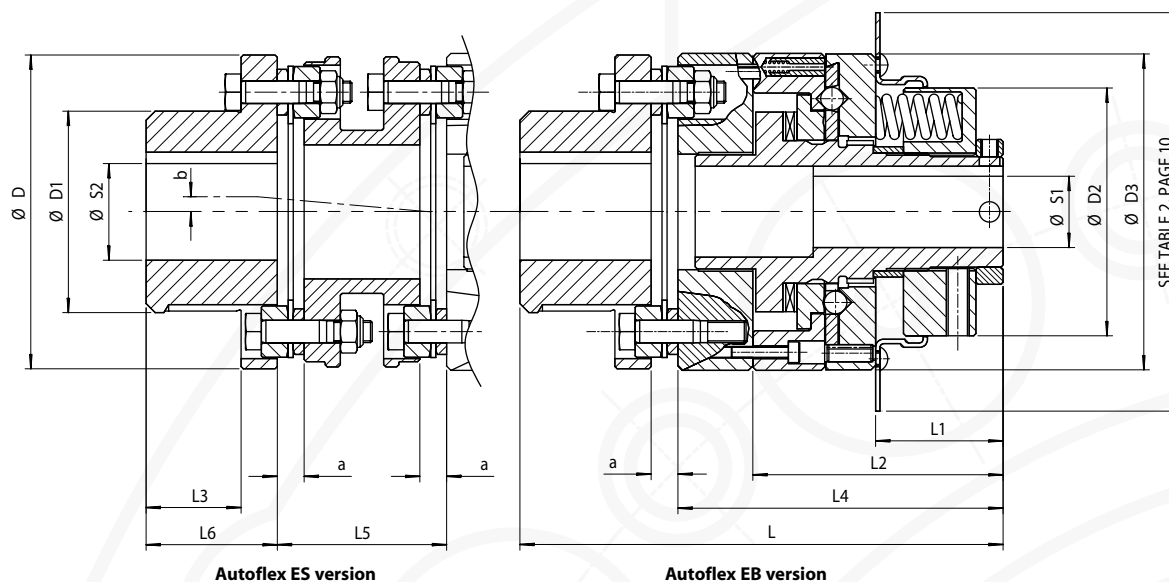


AUTOGARD SERIES 400

MODEL 405

The model 405 includes the Autoflex EB torsionally rigid metal membrane coupling for angular misalignment. The Autoflex ES can also be supplied which accommodates angular and parallel offset misalignment.



Technical Data

Size			405-1/8HVII	405-2/35HVII	405-3/150HVII	405-4/150HVII	405-5/480HVII	405-6/880HVII
Torque	Nm ③	Max	28	226	678	1130	2540	5650
		Min	3	20	60	75	225	1100
Speed	rpm ①	Max	3600	3600	3600	2000	2000	1800
Weight	kg ②		1.5	7.1	16	20	50	91
Mass Moment of Inertia	kgm ² ②	S1 Side	0.0002	0.0035	0.013	0.023	0.108	0.258
		S2 Side	0.0012	0.0116	0.073	0.086	0.211	0.649
Max Misalignment	④	Δ a (mm)	0.7	1.0	1.5	1.5	2.0	2.5
Parallel Offset	⑤	b (mm)	0.4	0.5	0.6	0.6	1.0	1.1

- 1) Higher speeds may be allowed under certain conditions. Please consult Autogard.
- 2) Weights and moments of inertia apply to max S1 and S2 bores, with EB type couplings.
- 3) For higher torque applications - consult Autogard.
- 4) Δ a is the max allowable variation in the gap between flanges measured between points around the periphery. This corresponds to 1/2° of pure angular misalignment. The total deviation from nominal due to axial and angular misalignment must not exceed Δ a.
- 5) Dimension 'b' corresponds to 1/2° angular misalignment per coupling disc pack with min spacer length. For longer spacers - consult Autogard.

Dimensional Data - mm

Size		405-1/8HVII	405-2/35HVII	405-3/150HVII	405-4/150HVII	405-5/480HVII	405-6/880HVII
Max Bore S1	⑥	16	28	40	50	75	100
Max Bore S2		30	50	90	90	110	137
a (nominal gap)		7.4	9.4	8.9	8.9	15	16.5
D		80	110	170	170	230	282
D1		44	70	123	123	150	188
D2		55	90	120	136	190	235
D3		62	112	146	168	222	260
L		107	169	203	210	284	370
L1	⑦	22	44	45	46	69	79
L2		48	88	94	100	131	156
L3		23	33	59	59	75	96
L4		68	123.4	120	127	189	250
L5	⑧	48	58	66.5	66.5	109	128
L6		32.5	46	73.5	73.5	95	120

- 6) For max bores greater than 25mm use rectangular parallel keys.
- 7) For size 6, clearance is required for adjusting bolt. See Table 1 page 9.
- 8) L5 dimension is the minimum length. Longer spacers are available on request - consult Autogard.