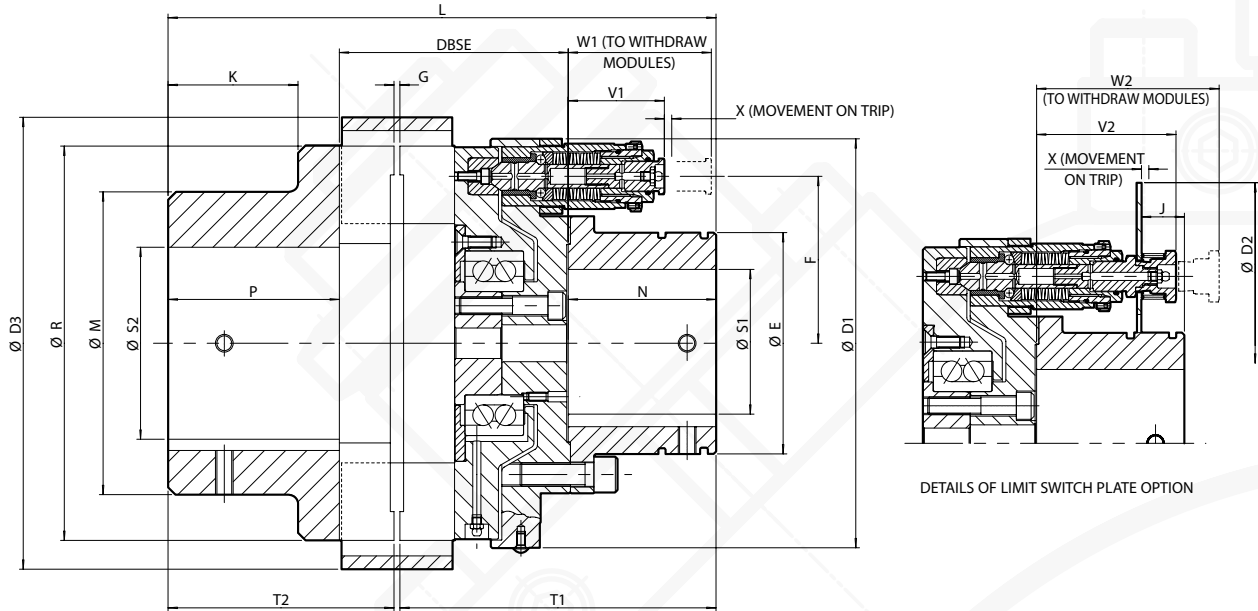


AUTOGARD SERIES 820

TYPE 2

Design including the Autogard Samiflex torsionally soft coupling for parallel and angular misalignment



Technical Data

Size	Modules (Size-Qty.)	Maximum Trip Torque (Nm)	Minimum Trip Torque (Nm)	Samiflex Coupling Size	Coupling Nominal Torque Std Insert (Nm)	Coupling Nominal Torque HD Insert (Nm)	Max. Speed Unbalanced (RPM)	Max. Speed Balanced (RPM)	Mass (kg)	Moment of Inertia mr^2 (kgm^2)	Max. Axial Misalignment (mm)	Max. Parallel Offset (mm)	Max. Angular Misalignment (degrees)
1L	1L-4	1470	370	A6	4598	6242	2200	2500	52.7	0.318	+1.0	0.8	1.3
1H	1H-4	2940	735	A6	4598	6242	2200	2500	53.0	0.319	+1.0	0.8	1.3
2L	2L-3	3450	860	A7	9168	11104	1900	2200	92.4	0.754	+1.0	1.0	1.0
2H	2H-3	6900	1725	A7	9168	11104	1900	2200	92.9	0.760	+1.0	1.0	1.0
3L	2L-4	5650	1400	A8	17225	20926	1600	1850	154	1.77	+1.5	1.0	1.0
3H	2H-4	11300	2825	A8	17225	20926	1600	1850	155	1.78	+1.5	1.0	1.0
4L	3L-4	12200	3050	A9	28684	33311	1350	1600	271	4.51	+1.5	1.0	1.0
4H	3H-4	24400	6100	A9	28684	33311	1350	1600	274	4.58	+1.5	1.0	1.0
5L	4L-3	26150	6540	A11	55945	75163	1100	1250	523	14.7	+2.0	1.5	1.0
5H	4H-3	52300	13075	A11	55945	75163	1100	1250	528	14.9	+2.0	1.5	1.0

1) Mass and inertia values calculated for units with solid hubs and without limit switch plate

2) Balancing optional

Dimensional Data - mm

Size	S1 (max)	S2 (max)	S2 Pilot	DBSE ③	D1	D2	D3	E	F	G	J	K	L	M	N	P	R	T1	T2	V1	V2	W1	W2	X
1L	80	114.3	39	127.2	212	288	265	115	85.5	3.5	32.6	70	302	180	80	95	233	170	128	50.4	70.8	76.4	92.2	3.7
1H	80	114.3	39	127.2	212	288	265	115	85.5	3.5	22.6	70	302	180	80	95	233	170	128	60.4	80.8	86.4	103	3.7
2L	100	139.7	48	155	277	353	306	150	113	4.0	43.1	88	371	205	100	116	267	214	153	51.1	80.4	84.9	110	5.0
2H	100	139.7	48	155	277	353	306	150	113	4.0	29.1	88	371	205	100	116	267	214	153	65.1	94.4	98.9	124	5.0
3L	120	150	63	174.4	329	405	363	180	139	5.0	63.0	114	441	242	120	147	326	248	189	51.1	80.4	84.9	110	5.0
3H	120	150	63	174.4	329	405	363	180	139	5.0	49.0	114	441	242	120	147	326	248	189	65.1	94.4	98.9	124	5.0
4L	150	180	73	203.8	409	485	425	230	166	5.0	70.0	129	516	280	150	162	385	303	208	76.0	109.4	125	131	6.0
4H	150	180	73	203.8	409	485	425	230	166	5.0	46.0	129	516	280	150	162	385	303	208	100.0	133.4	150	155	6.0
5L	180	210	96	264.8	550	626	503	280	221	6.0	57.1	148	635	350	180	190	458	376	253	118.9	152.3	186	192	8.0
5H	180	210	96	264.8	550	626	503	280	221	6.0	25.1	148	635	350	180	190	458	376	253	150.9	184.3	218	224	8.0

3) Shorter DBSE available using Samiflex Type 'C' hub - consult Autogard for details.