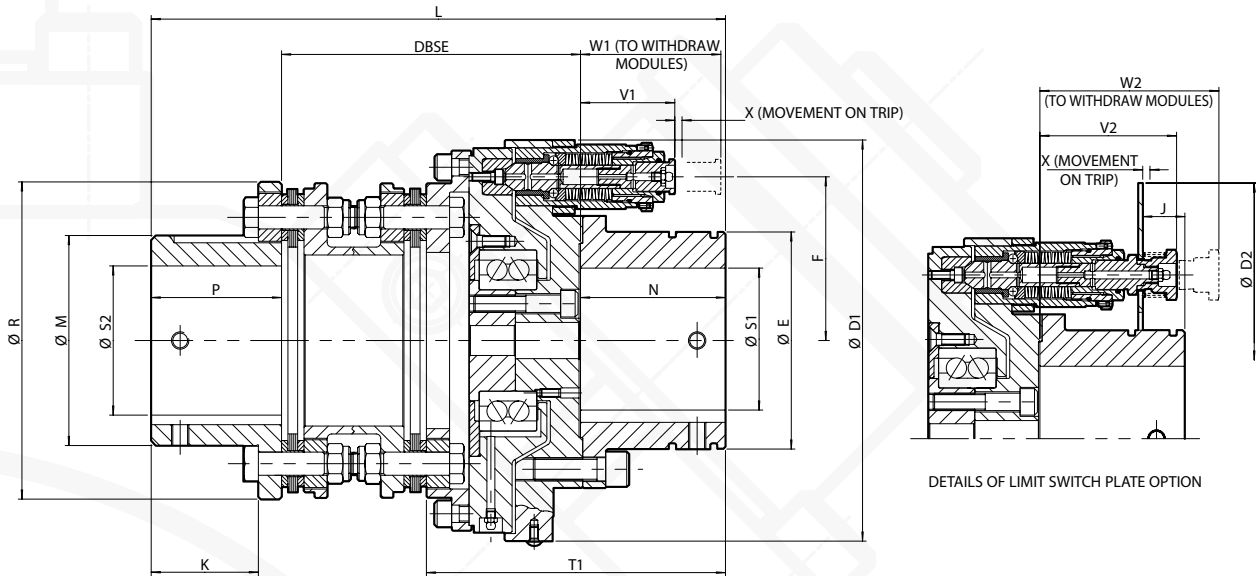


# AUTOGARD SERIES 820

## TYPE 3

Design to accept a standard Autoflex ES Torsionally Rigid Coupling



### Technical Data

Size	Modules (Size-Qty.)	Maximum Trip Torque (Nm)	Minimum Trip Torque (Nm)	Coupling Size	Coupling Max. Continuous Torque (Nm)	Max. Speed (RPM)	Mass (kg)	Moment of Inertia $mr^2$ (kgm <sup>2</sup> )	Max. Axial Misalignment (mm)	Max. Parallel Offset (mm)
1L	1L-4	1470	370	HVII 340-8	3370	3800	37.3	0.149	3.45	0.38
1H	1H-4	2940	735	HVII 340-8	3370	3800	37.5	0.151	3.45	0.38
2L	2L-3	3450	860	HVII 740-8	7430	2400	81.1	0.549	4.42	0.49
2H	2H-3	6900	1725	HVII 740-8	7430	2400	81.6	0.554	4.42	0.49
3L	2L-4	5650	1400	HVII 1410-8	14140	2150	139	1.36	5.40	0.59
3H	2H-4	11300	2825	HVII 1410-8	14140	2150	140	1.37	5.40	0.59
4L	3L-4	12200	3050	HVII 2500-8	25000	1800	303	4.29	6.08	0.73
4H	3H-4	24400	6100	HVII 2500-8	25000	1800	306	4.36	6.08	0.73
5L	4L-3	26150	6540	HVII 4420-8	48880	1800 ③	523	13.7	7.91	0.79
5H	4H-3	52300	13075	HVII 4420-8	48880	1800 ③	527	13.9	7.91	0.79

1) Max. angular misalignment 1/3° per flexing pack

2) Mass and inertia values calculated for units with solid hubs, minimum DBSE and without limit switch plate

3) Consult Autogard if limit switch plate is required at speeds above 1400 rpm

### Dimensional Data - mm

Size	S1 (max)	S2 (max)	S2 Pilot	DBSE ④	D1	D2	E	F	J	K	L ④	M	N	P	R	T1	V1	V2	W1	W2	X
1L	80	81	15	157.5	212	288	115	85.5	32.6	53	302.5	113	80	65	171	159.5	50.4	70.8	76.4	92.2	3.7
1H	80	81	15	157.5	212	288	115	85.5	22.6	53	302.5	113	80	65	171	159.5	60.4	80.8	86.4	103	3.7
2L	100	104	20	206.4	277	353	150	113	43.1	74	396.5	145	100	90	219	206.5	51.1	80.4	84.9	110	5.0
2H	100	104	20	206.4	277	353	150	113	29.1	74	396.5	145	100	90	219	206.5	65.1	94.4	98.9	124	5.0
3L	120	126	20	245.1	329	405	180	139	63.0	85	470.2	177	120	105	268	244.2	51.1	80.4	84.9	110	5.0
3H	120	126	20	245.1	329	405	180	139	49.0	85	470.2	177	120	105	268	244.2	65.1	94.4	98.9	124	5.0
4L	150	144 ⑤	25	304.1	409	485	230	166	70.0	100	584.1	201	150	130	310	308.1	76.0	109.4	125	131	6.0
4H	150	144 ⑤	25	304.1	409	485	230	166	46.0	100	584.1	201	150	130	310	308.1	100.0	133.4	150	155	6.0
5L	180	188	35	355.6	550	626	280	221	57.1	146	710.6	263	180	175	393	364.2	118.9	152.3	186	192	8.0
5H	180	188	35	355.6	550	626	280	221	25.1	146	710.6	263	180	175	393	364.2	150.9	184.3	218	224	8.0

4) Values for minimum DBSE shown - longer spacers available on request.

5) Larger bore available - Consult Autogard