



**Key Industries:**

- Chemical & Plastics Processing
- Energy
- Food
- Mining
- Pulp & Paper
- Steel Processing

**Key Applications:**

- Billet transfer drives
- Centrifuges
- Conveyors
- Crushers
- Extruders
- Filter presses
- Pumps

# Autogard 406W Torque Limiter

**Combining the reliability of the Autogard 400 Series Torque Limiter with the proven quality of the Falk Wrapflex Elastomeric Coupling.**

Rexnord combines the quality and reliability of the Autogard® 400 Series Torque Limiter with the proven reputation of the Falk® Wrapflex® Elastomeric Coupling, offering customers the Autogard 406W Torque Limiter. With the coupling adapted to the torque limiter, it provides customers overload protection in shaft-to-shaft applications where misalignment needs to be accommodated.

The Autogard 400 Series Torque Limiter is designed to meet the need for a high- and low-speed, free-wheeling torque limiter to help protect equipment during shock loads, overloads and jams in industries including chemical & plastics processing, energy, food, mining, and more. This Series differs from other ball detent designs by incorporating a unique reverse-to-reset feature for quick re-engagement and reduced downtime.

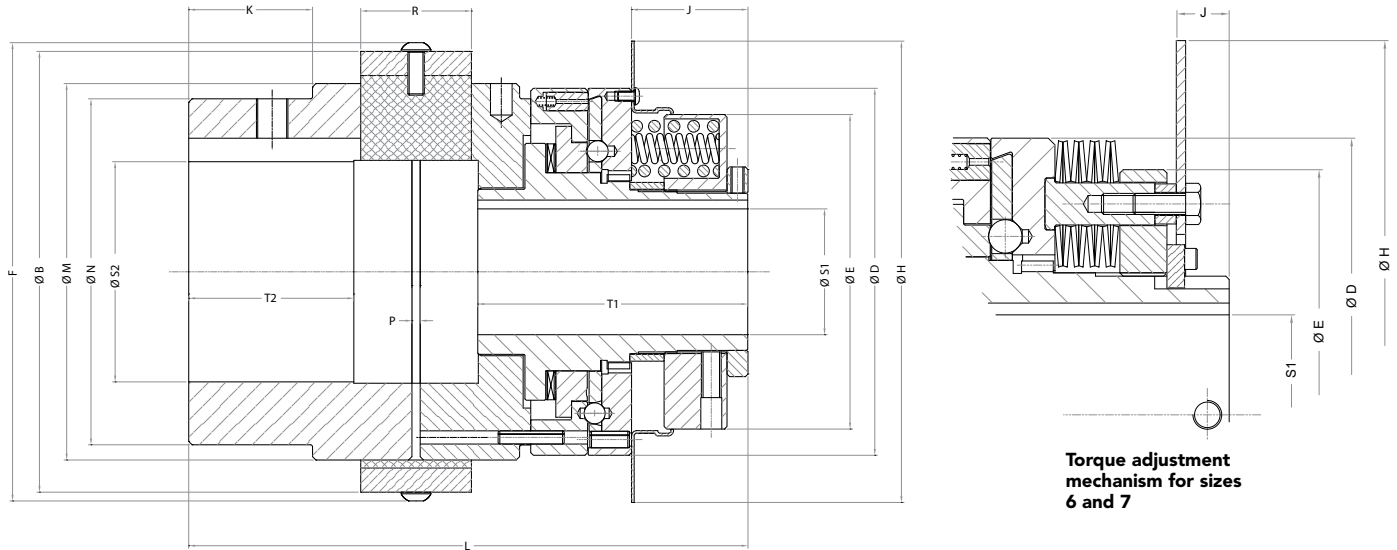
The Falk Wrapflex Elastomeric Coupling's polyurethane element provides excellent wear and chemical resistance to ensure long life while also boasting a patented axial thrust tab feature that reduces axial thrust forces on connected equipment.

**Features and benefits:**

- Accurate and consistent torque setting with instant and complete disengagement of the driving and driven inertias, and bi-directional and repeatable protection to help protect your equipment and prevent costly downtime
- Free-wheeling feature to support higher speeds
- Wide range of torque settings to meet specific application requirements
- The Falk Wrapflex Elastomeric Coupling is torsionally resilient and accommodates angular, parallel and axial misalignment for many applications, while its patented design ensures long life



Autogard 406W Torque Limiter dimensional drawings



For the "R" Dimension information please see Wrapflex catalog (491-110)

Size	Torque		Max. <sup>①</sup> Speed rpm	Max. Misalignment Axial ±mm	Max. Misalignment Parallel mm	Max. Misalignment Angular degrees	Weight <sup>②</sup> kg	Mass Moment of Inertia MR <sup>2②</sup>	
	Min. Nm	Max. Nm						S1 Side kgm <sup>2</sup>	S2 Side kgm <sup>2</sup>
1/5R	3	28	3,600	0.20	1.0	1.0	1.6	0.00039	0.00060
2/30R	4	226	3,600	0.20	2.0	1.0	9	0.0037	0.013
3/40R	27	678	3,600	0.48	2.0	1.0	16	0.013	0.038
4/50R	45	1,130	2,000	0.48	2.0	1.0	30	0.023	0.12
5/60R	100	2,542	2,000	0.51	2.0	1.0	58	0.12	0.35
6/70R	1,100	5,560	1,800	0.48	2.0	1.0	105	0.27	0.88
7/80R	1,500	11,300	1,700	0.64	2.0	1.0	150	0.70	1.7

① Higher speeds may be allowed under certain conditions. Please consult Rexnord.

② Weights and Mass Moments of Inertia apply to maximum S1 and S2 bores.

Size <sup>②</sup>	Max. Bore <sup>①</sup> S1 mm	Max. Bore <sup>①</sup> S2 mm	B mm	D mm	E mm	F mm	H mm	J mm	K mm	L mm	M mm	N mm	P mm	T1 mm	T2 mm
1/5R	16	38	76	62	56	80	110	22	20	106	64	60	2	59	26
2/30R	28	65	147	111	87	153	140	45	46	203	118	105	2	108	58
3/40R	40	85	182	146	120	190	184	45	54	231	150	130	5	114	67
4/50R	50	105	231	167	137	239	203	46	59	261	190	178	5	121	77
5/60R	75	135	267	222	191	278	279	69	75	339	228	210	5	164	100
6/70R	100	160	310	263	233	321	305	25	90	394	270	251	5	217	120
7/80R	127	190	370	318	283	381	387	28	102	457	328	270	6	245	140

① Standard bore tolerances = H8 + standard key fit.

② For size 6 and above, clearance is required for adjustment. Please consult Rexnord.