

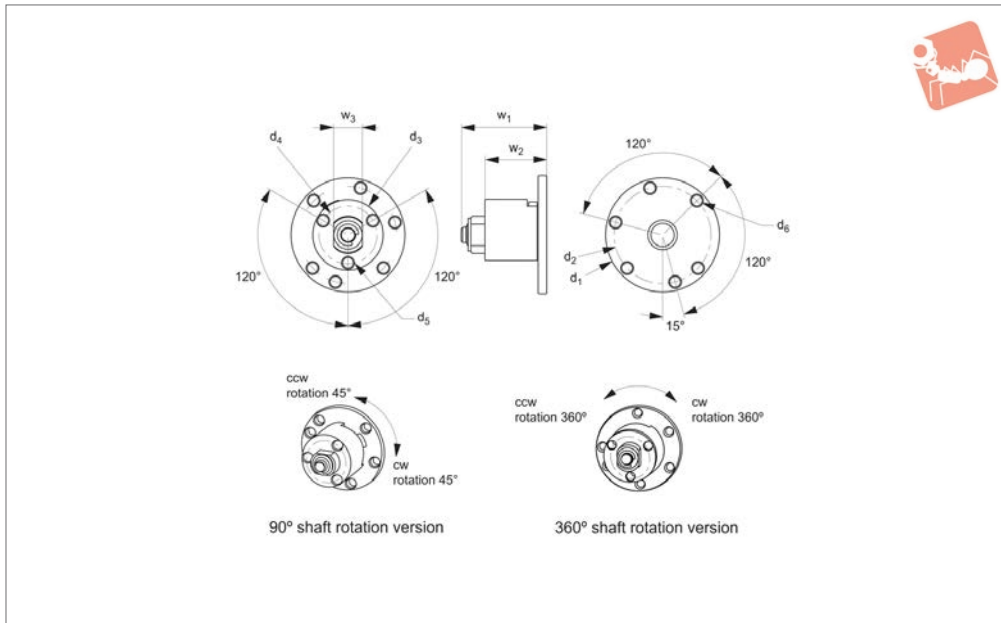


# Friction Hinges

symmetric torque - 2,5-5,0 Nm.



## Hinges



**S3870**

HINGES

### Material

Steel with nickel plating finish.

value remaining within +/- 25%.

CW= clockwise.

CCW= counterclockwise.

### Technical Notes













Tested to 10,000 cycles with static torque

### Important Notes

Symmetric, offer same torque value in both clockwise and counterclockwise directions.

Order No.	Torque Nm	Shaft rotation	Torque type	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	d <sub>6</sub>	w <sub>1</sub>	w <sub>2</sub>	w <sub>3</sub> thru
<b>S3870.AC0025</b>	2.5	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0030</b>	3.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0040</b>	4.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0050</b>	5.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0125</b>	2.5	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0130</b>	3.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0140</b>	4.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
<b>S3870.AC0150</b>	5.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8












Table of constant torque ranges					Torque Nm													
Part no.	Torque type	Shaft Rotation	Torque Nm		0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0
 <b>S3810</b>	Symmetric	360°	0,05 to 3,80		[Bar chart showing torque range from 0.05 to 3.80 Nm]													
 <b>S3820</b>	Symmetric/Asymmetric	360°	0,2 to 1,1		[Bar chart showing torque range from 0.2 to 1.1 Nm]													
 <b>S3824</b>	Symmetric/Asymmetric	360°	0,2 to 1,1		[Bar chart showing torque range from 0.2 to 1.1 Nm]													
 <b>S3830</b>	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 <b>S3834</b>	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 <b>S3840</b>	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 <b>S3844</b>	Symmetric/Asymmetric	270°	0,9 to 4,5		[Bar chart showing torque range from 0.9 to 4.5 Nm]													
 <b>S3850</b>	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 <b>S3852</b>	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 <b>S3854</b>	Symmetric/Asymmetric	270°	0,9 to 4,5		[Bar chart showing torque range from 0.9 to 4.5 Nm]													
 <b>S3860</b>	Symmetric	270°	3,5 to 7,0		[Bar chart showing torque range from 3.5 to 7.0 Nm]													
 <b>S3870</b>	Symmetric	90° and 360°	2,5 to 5,0		[Bar chart showing torque range from 2.5 to 5.0 Nm]													

## Constant Torque Hinges S4000-S4032

### Operating Principle

Wixroyd Constant Torque Hinges rely only on mechanical friction to achieve a stable torque. A range of different friction hinges are available to best suit your application.

Table of constant torque ranges				Torque Kgf.cm															
Part no.	Torque Kgf.cm			10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	
 <b>S4000</b>	5 - 57.5			[Bar chart showing torque range from 5 to 57.5 Kgf.cm]															
 <b>S4002</b>	8			[Bar chart showing torque range from 8 to 8 Kgf.cm]															
 <b>S4006</b>	3.5 - 15.3			[Bar chart showing torque range from 3.5 to 15.3 Kgf.cm]															
 <b>S4010</b>	15 - 30			[Bar chart showing torque range from 15 to 30 Kgf.cm]															
 <b>S4016</b>	25 - 70			[Bar chart showing torque range from 25 to 70 Kgf.cm]															
 <b>S4020</b>	20 - 45.8			[Bar chart showing torque range from 20 to 45.8 Kgf.cm]															
 <b>S4022</b>	20 - 45.8			[Bar chart showing torque range from 20 to 45.8 Kgf.cm]															
 <b>S4030</b>	Tilting: 30.5 Swivelling: 15			[Bar chart showing torque range for tilting and swivelling]															
 <b>S4032</b>	Tilting: 71.5 Swivelling: 30.5			[Bar chart showing torque range for tilting and swivelling]															