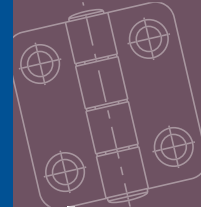


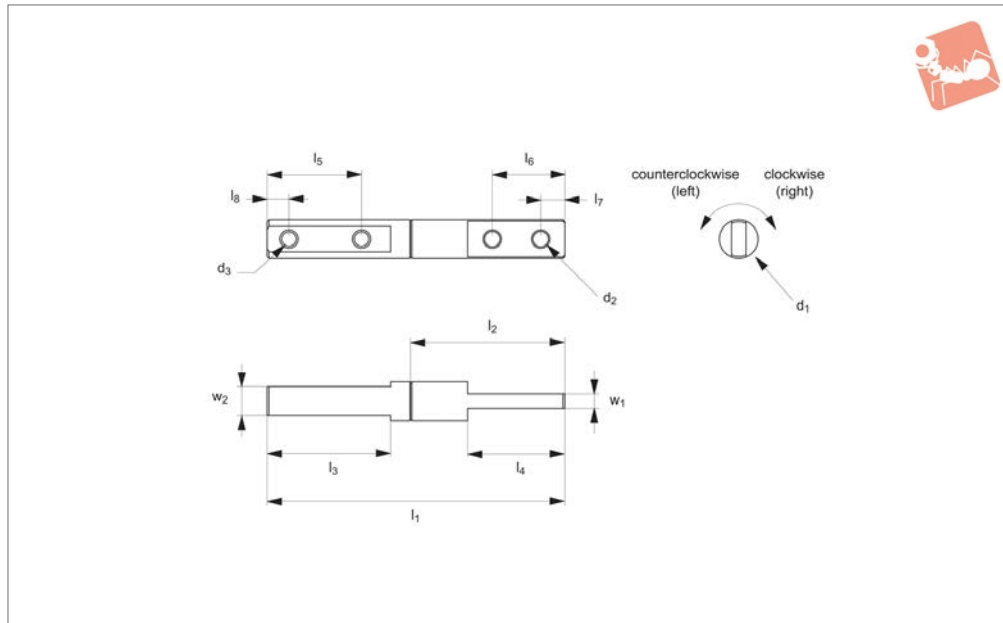


# Friction Hinges

symmetric torque - 0,05-3,80 Nm. - plain bore



## Hinges



### S3810

HINGES

#### Material

Steel with nickel plating finish.

S3810.AC0003 and .AC0004 to within +/- 35%). 360° shaft rotation.

directions.

CW= clockwise.

CCW= counterclockwise.

#### Technical Notes

Tested to 10,000 cycles with static torque value remaining within +/- 25%. (Note;













#### Important Notes

Symmetric hinges, offer same torque value in both clockwise and counterclockwise

Order No.	Dia. size	Torque CW Nm	Torque CCW Nm	Shaft rotation	Torque type	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>
S3810.AC0003	3	0.05	0.05	360°	Symmetric	3	-	-
S3810.AC0004	4	0.13	0.13	360°	Symmetric	4	2.2	2.2
S3810.AC0005	5	0.40	0.40	360°	Symmetric	5	2.6	2.6
S3810.AC0006	6	0.50	0.50	360°	Symmetric	6	3.2	3.2
S3810.AC0007	7	0.60	0.60	360°	Symmetric	7	3.7	3.7
S3810.AC0008	8	0.50	0.50	360°	Symmetric	8	3.2	3.2
S3810.AC0009	8	0.80	0.80	360°	Symmetric	8	3.2	3.2
S3810.AC0010	10	1.00	1.00	360°	Symmetric	10	4.3	4.3










Order No.	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	l <sub>7</sub>	l <sub>8</sub>	w <sub>1</sub>	w <sub>2</sub>
S3810.AC0003	27.0	9.2	8.0	8.0	-	-	-	-	1.5	-
S3810.AC0004	33.0	12.2	11.0	11.0	7.5	7.5	3.0	3.0	2.0	-
S3810.AC0005	39.0	15.2	14.0	14.0	10.5	10.5	3.5	3.5	2.0	-
S3810.AC0006	41.0	15.5	14.0	14.0	10.5	10.5	3.5	3.5	2.5	-
S3810.AC0007	47.0	18.0	16.0	16.0	12.0	12.0	4.0	4.0	3.0	-
S3810.AC0008	54.5	31.9	20.1	20.1	15.0	15.0	5.0	5.0	3.0	3.0
S3810.AC0009	54.5	31.9	20.1	20.1	15.0	15.0	5.0	5.0	3.0	3.0
S3810.AC0010	57.2	21.5	20.0	20.0	15.0	15.0	5.0	5.0	4.0	-



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 from 15 to 30.5 Kgf.cm]															
 <b>S4032</b>	Tilting: 71.5 Swivelling: 30.5			[Bar chart showing torque range from 30.5 to 71.5 Kgf.cm]															