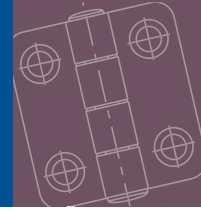


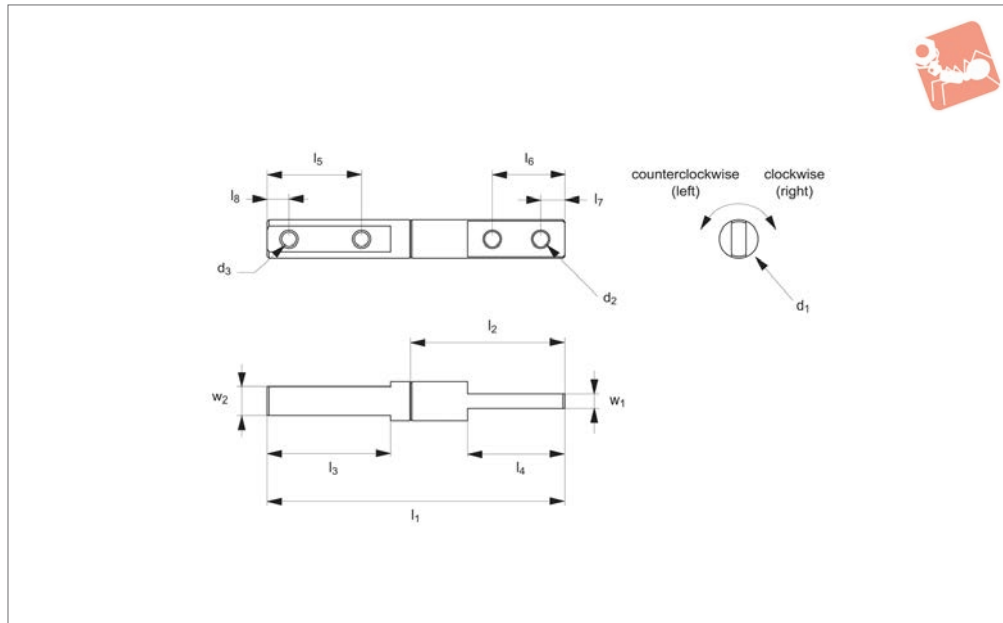


Friction Hinges

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_1	d_2	d_3
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_1	l_2	l_3	l_4	l_5	l_6	l_7	l_8	w_1	w_2
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
 S3810	Symmetric	360°	0,05 to 3,80		[Bar chart showing torque range from 0.05 to 3.80 Nm]													
 S3820	Symmetric/Asymmetric	360°	0,2 to 1,1		[Bar chart showing torque range from 0.2 to 1.1 Nm]													
 S3824	Symmetric/Asymmetric	360°	0,2 to 1,1		[Bar chart showing torque range from 0.2 to 1.1 Nm]													
 S3830	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 S3834	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 S3840	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 S3844	Symmetric/Asymmetric	270°	0,9 to 4,5		[Bar chart showing torque range from 0.9 to 4.5 Nm]													
 S3850	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 S3852	Symmetric/Asymmetric	270°	0,9 to 3,4		[Bar chart showing torque range from 0.9 to 3.4 Nm]													
 S3854	Symmetric/Asymmetric	270°	0,9 to 4,5		[Bar chart showing torque range from 0.9 to 4.5 Nm]													
 S3860	Symmetric	270°	3,5 to 7,0		[Bar chart showing torque range from 3.5 to 7.0 Nm]													
 S3870	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	
 S4000	5 - 57.5			[Bar chart showing torque range from 5 to 57.5 Kgf.cm]															
 S4002	8			[Bar chart showing torque range from 8 to 8 Kgf.cm]															
 S4006	3.5 - 15.3			[Bar chart showing torque range from 3.5 to 15.3 Kgf.cm]															
 S4010	15 - 30			[Bar chart showing torque range from 15 to 30 Kgf.cm]															
 S4016	25 - 70			[Bar chart showing torque range from 25 to 70 Kgf.cm]															
 S4020	20 - 45.8			[Bar chart showing torque range from 20 to 45.8 Kgf.cm]															
 S4022	20 - 45.8			[Bar chart showing torque range from 20 to 45.8 Kgf.cm]															
 S4030	Tilting: 30.5 Swivelling: 15			[Bar chart showing torque range from 15 to 30.5 Kgf.cm]															
 S4032	Tilting: 71.5 Swivelling: 30.5			[Bar chart showing torque range from 30.5 to 71.5 Kgf.cm]															