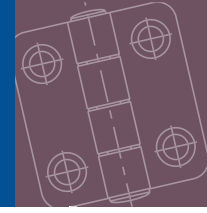


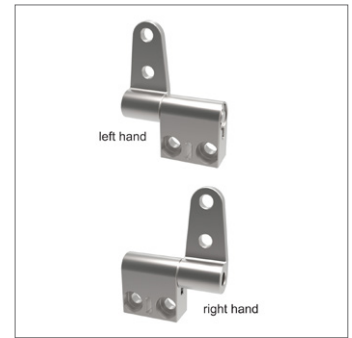
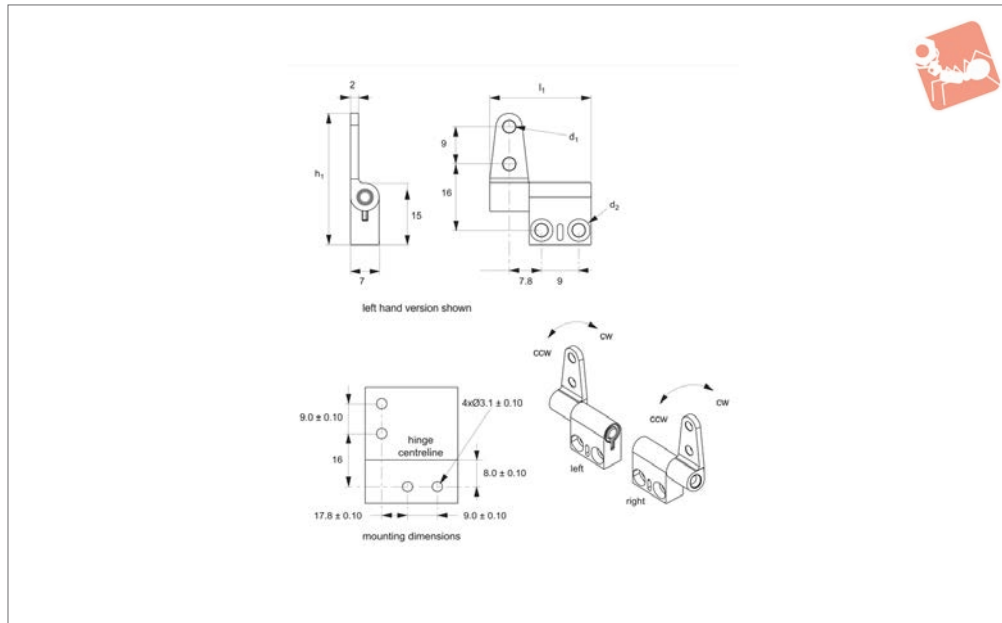


Friction Hinges - Symmetric

asymmetric torque - counter bored



Hinges



S3820

HINGES

Material

Zinc alloy, steel and grease with natural finish.

Technical Notes

Tested to 25,000 cycles with static torque value remaining within +/- 20%.

Tips

For mounting and installation information

refer to technical diagram.

Also available with black oxide finish, on request and subject to min. quantity.

Important Notes

Symmetric hinges, offer same torque value in both clockwise and counterclockwise directions. Asymmetric hinges, offer different torque value in clockwise and counter-













clockwise directions - see data table.

CW= clockwise.

CCW= counterclockwise.










Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d ₁	d ₂	h ₁	l ₁
S3820.AC0002	0.20	0.20	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1002	0.20	0.20	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0005	0.50	0.50	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1005	0.50	0.50	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0007	0.70	0.70	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1007	0.70	0.70	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0009	0.90	0.90	360°	Right	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1009	0.90	0.90	360°	Left	Symmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0207	0.70	0.40	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1207	0.70	0.40	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0209	0.90	0.55	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1209	0.90	0.55	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0211	1.10	0.70	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1211	1.10	0.70	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0307	0.40	0.70	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1307	0.40	0.70	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0309	0.55	0.90	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1309	0.55	0.90	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC0311	0.70	1.10	360°	Right	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52
S3820.AC1311	0.70	1.10	360°	Left	Asymmetric	3.05	Ø5,44x2,54 dpt.	31.68	25.52



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]															