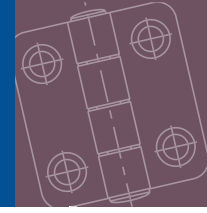


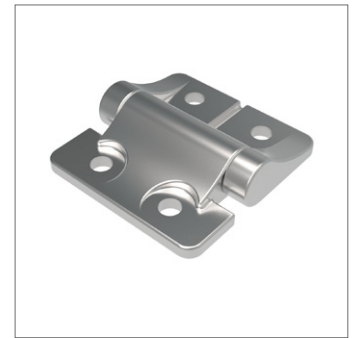
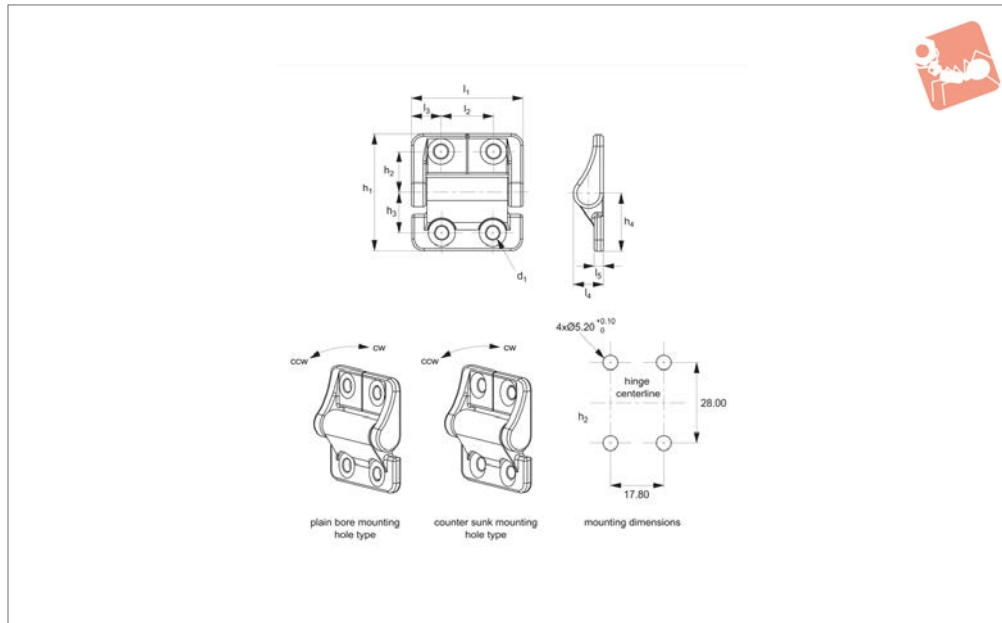


Friction Hinges - Natural - Symmetric

asymmetric torque - countersunk & plain bore



Hinges



S3850

HINGES

Material

Zinc alloy, steel, grease and o-ring with natural finish.

Technical Notes

Tested to 25,000 cycles with static torque value remaining within +/- 20%. Oil ring seals against environmental contamination.

Tips

For mounting and installation information refer to technical diagram.

Also available as black paint finish, see part S5852.

Important Notes

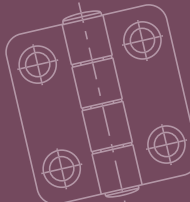
Symmetric hinges, offer same torque value in both clockwise and counterclockwise

directions. Asymmetric hinges, offer different torque value in clockwise and counterclockwise directions - see data table.

CW= clockwise.

CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type	d ₁	h ₁
S3850.AC0000	0.0	0.0	270°	Plain	Symmetric	4.5	40
S3850.AC0009	0.9	0.9	270°	Plain	Symmetric	4.5	40
S3850.AC0014	1.4	1.4	270°	Plain	Symmetric	4.5	40
S3850.AC0018	1.8	1.8	270°	Plain	Symmetric	4.5	40
S3850.AC0023	2.3	2.3	270°	Plain	Symmetric	4.5	40
S3850.AC0027	2.7	2.7	270°	Plain	Symmetric	4.5	40
S3850.AC0214	1.4	0.8	270°	Plain	Asymmetric	4.5	40
S3850.AC0218	1.8	1.1	270°	Plain	Asymmetric	4.5	40
S3850.AC0223	2.3	1.4	270°	Plain	Asymmetric	4.5	40
S3850.AC0227	2.7	1.6	270°	Plain	Asymmetric	4.5	40
S3850.AC0234	3.4	2.0	270°	Plain	Asymmetric	4.5	40
S3850.AC0314	0.8	1.4	270°	Plain	Asymmetric	4.5	40
S3850.AC0318	1.1	1.8	270°	Plain	Asymmetric	4.5	40
S3850.AC0323	1.4	2.3	270°	Plain	Asymmetric	4.5	40
S3850.AC0327	1.6	2.7	270°	Plain	Asymmetric	4.5	40
S3850.AC0334	2.0	3.4	270°	Plain	Asymmetric	4.5	40
S3850.AC1000	0.0	0.0	270°	C'sunk	Symmetric	4.5	40
S3850.AC1009	0.9	0.9	270°	C'sunk	Symmetric	4.5	40
S3850.AC1014	1.4	1.4	270°	C'sunk	Symmetric	4.5	40
S3850.AC1018	1.8	1.8	270°	C'sunk	Symmetric	4.5	40
S3850.AC1023	2.3	2.3	270°	C'sunk	Symmetric	4.5	40
S3850.AC1027	2.7	2.7	270°	C'sunk	Symmetric	4.5	40
S3850.AC1214	1.4	0.8	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1218	1.8	1.1	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1223	2.3	1.4	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1227	2.7	1.6	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1234	3.4	2.0	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1314	0.8	1.4	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1318	1.1	1.8	270°	C'sunk	Asymmetric	4.5	40



Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type	d ₁	h ₁
S3850.AC1323	1.4	2.3	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1327	1.6	2.7	270°	C'sunk	Asymmetric	4.5	40
S3850.AC1334	2.0	3.4	270°	C'sunk	Asymmetric	4.5	40

Order No.	h ₂	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	l ₅
S3850.AC0000	14	14	20	38	17.8	10.1	10	3
S3850.AC0009	14	14	20	38	17.8	10.1	10	3
S3850.AC0014	14	14	20	38	17.8	10.1	10	3
S3850.AC0018	14	14	20	38	17.8	10.1	10	3
S3850.AC0023	14	14	20	38	17.8	10.1	10	3
S3850.AC0027	14	14	20	38	17.8	10.1	10	3
S3850.AC0214	14	14	20	38	17.8	10.1	10	3
S3850.AC0218	14	14	20	38	17.8	10.1	10	3
S3850.AC0223	14	14	20	38	17.8	10.1	10	3
S3850.AC0227	14	14	20	38	17.8	10.1	10	3
S3850.AC0234	14	14	20	38	17.8	10.1	10	3
S3850.AC0314	14	14	20	38	17.8	10.1	10	3
S3850.AC0318	14	14	20	38	17.8	10.1	10	3
S3850.AC0323	14	14	20	38	17.8	10.1	10	3
S3850.AC0327	14	14	20	38	17.8	10.1	10	3
S3850.AC0334	14	14	20	38	17.8	10.1	10	3
S3850.AC1000	14	14	20	38	17.8	10.1	10	3
S3850.AC1009	14	14	20	38	17.8	10.1	10	3
S3850.AC1014	14	14	20	38	17.8	10.1	10	3
S3850.AC1018	14	14	20	38	17.8	10.1	10	3
S3850.AC1023	14	14	20	38	17.8	10.1	10	3
S3850.AC1027	14	14	20	38	17.8	10.1	10	3
S3850.AC1214	14	14	20	38	17.8	10.1	10	3
S3850.AC1218	14	14	20	38	17.8	10.1	10	3
S3850.AC1223	14	14	20	38	17.8	10.1	10	3
S3850.AC1227	14	14	20	38	17.8	10.1	10	3
S3850.AC1234	14	14	20	38	17.8	10.1	10	3
S3850.AC1314	14	14	20	38	17.8	10.1	10	3
S3850.AC1318	14	14	20	38	17.8	10.1	10	3
S3850.AC1323	14	14	20	38	17.8	10.1	10	3
S3850.AC1327	14	14	20	38	17.8	10.1	10	3
S3850.AC1334	14	14	20	38	17.8	10.1	10	3
























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]													

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 for tilting and swivelling]														
	S4032	Tilting: 71.5 Swivelling: 30.5	[Bar chart showing torque range for tilting and swivelling]														

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.