

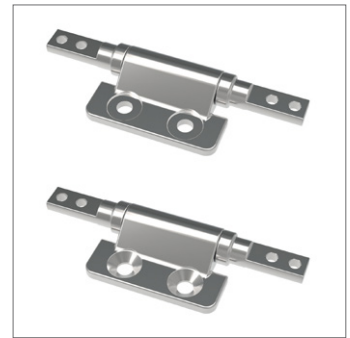
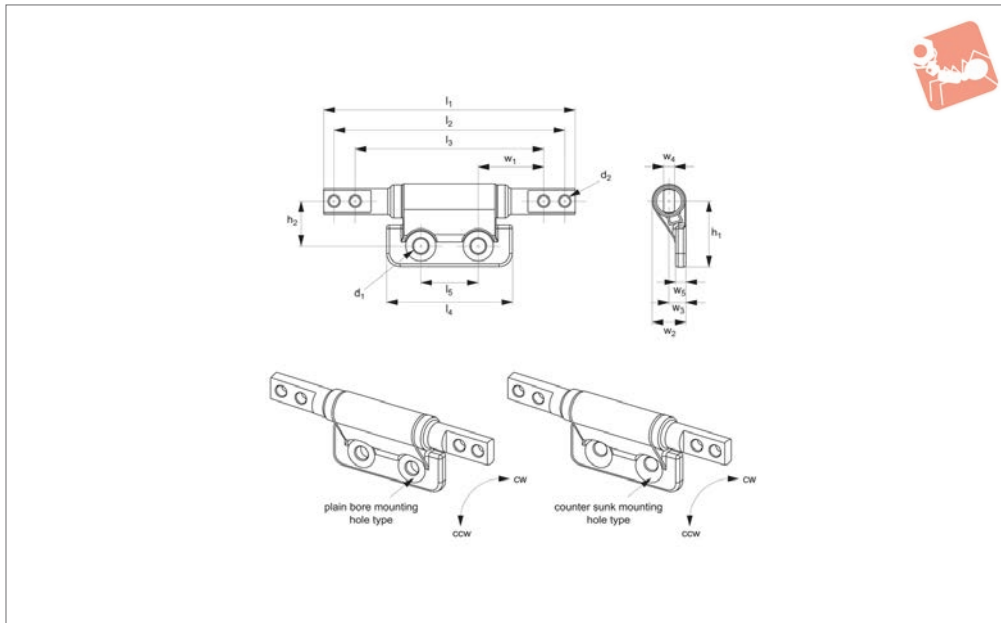


Friction Hinges

symmetric - asymmetric torque - 0,0-3,4 Nm. -



Hinges



S3840

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 contamina-

tion.

Tips

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

Important Notes

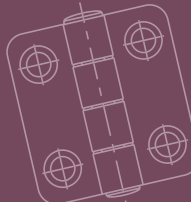
Symmetric hinges, offer same torque value

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

CW= clockwise.

CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Counter sunk Torque Type
S3840.AC0000	0.0	0.0	270°	Plain	Symmetric
S3840.AC0009	0.9	0.9	270°	Plain	Symmetric
S3840.AC0014	1.4	1.4	270°	Plain	Symmetric
S3840.AC0018	1.8	1.8	270°	Plain	Symmetric
S3840.AC0023	2.3	2.3	270°	Plain	Symmetric
S3840.AC0027	2.7	2.7	270°	Plain	Symmetric
S3840.AC0214	1.4	0.8	270°	Plain	Asymmetric
S3840.AC0218	1.8	1.1	270°	Plain	Asymmetric
S3840.AC0223	2.3	1.4	270°	Plain	Asymmetric
S3840.AC0227	2.7	1.6	270°	Plain	Asymmetric
S3840.AC0234	3.4	2.0	270°	Plain	Asymmetric
S3840.AC0314	0.8	1.4	270°	Plain	Asymmetric
S3840.AC0318	1.1	1.8	270°	Plain	Asymmetric
S3840.AC0323	1.4	2.3	270°	Plain	Asymmetric
S3840.AC0327	1.6	2.7	270°	Plain	Asymmetric
S3840.AC0334	2.0	3.4	270°	C'sunk	Asymmetric
S3840.AC1000	0.0	0.0	270°	C'sunk	Symmetric
S3840.AC1009	0.9	0.9	270°	C'sunk	Symmetric
S3840.AC1014	1.4	1.4	270°	C'sunk	Symmetric
S3840.AC1018	1.8	1.8	270°	C'sunk	Symmetric
S3840.AC1023	2.3	2.3	270°	C'sunk	Symmetric
S3840.AC1027	2.7	2.7	270°	C'sunk	Symmetric
S3840.AC1214	1.4	0.8	270°	C'sunk	Symmetric
S3840.AC1218	1.8	1.1	270°	C'sunk	Symmetric
S3840.AC1223	2.3	1.4	270°	C'sunk	Symmetric
S3840.AC1227	2.7	1.6	270°	C'sunk	Symmetric
S3840.AC1234	3.4	2.0	270°	C'sunk	Asymmetric
S3840.AC1314	0.8	1.4	270°	C'sunk	Asymmetric
S3840.AC1318	1.1	1.8	270°	C'sunk	Asymmetric
S3840.AC1323	1.4	2.3	270°	C'sunk	Asymmetric



Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Counter sunk Torque Type
S3840.AC1327	1.6	2.7	270°	C'sunk	Asymmetric
S3840.AC1334	2.0	3.4	270°	C'sunk	Asymmetric

HINGES

Order No.	d ₁	d ₂	h ₁	h ₂	l ₁	l ₂	l ₃	l ₄	l ₅	w ₁	w ₂	w ₃	w ₄	w ₅
S3840.AC0000	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0009	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0014	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0018	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0023	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0027	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0214	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0218	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0223	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0227	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0234	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0314	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0318	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0323	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0327	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC0334	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1000	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1009	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1014	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1018	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1023	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1027	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1214	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1218	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1223	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1227	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1234	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1314	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1318	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1323	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1327	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	3
S3840.AC1334	4.5	3.3	20	14	76.29	69.72	57.02	38	17.8	19.6	10	5	3	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													
	S3820	Symmetric/ Asymmetric	360°	0,2 to 1,1													
	S3824	Symmetric/ Asymmetric	360°	0,2 to 1,1													
	S3830	Symmetric/ Asymmetric	270°	0,9 to 3,4													
	S3834	Symmetric/ Asymmetric	270°	0,9 to 3,4													
	S3840	Symmetric/ Asymmetric	270°	0,9 to 3,4													
	S3844	Symmetric/ Asymmetric	270°	0,9 to 4,5													
	S3850	Symmetric/ Asymmetric	270°	0,9 to 3,4													
	S3852	Symmetric/ Asymmetric	270°	0,9 to 3,4													
	S3854	Symmetric/ Asymmetric	270°	0,9 to 4,5													
	S3860	Symmetric	270°	3,5 to 7,0													
	S3870	Symmetric	90° and 360°	2,5 to 5,0													

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	5 - 57.5														
	S4002	8	8														
	S4006	3.5 - 15.3	3.5 - 15.3														
	S4010	15 - 30	15 - 30														
	S4016	25 - 70	25 - 70														
	S4020	20 - 45.8	20 - 45.8														
	S4022	20 - 45.8	20 - 45.8														
	S4030	Tilting: 30.5 Swivelling: 15	Tilting: 30.5 Swivelling: 15														
	S4032	Tilting: 71.5 Swivelling: 30.5	Tilting: 71.5 Swivelling: 30.5														

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.