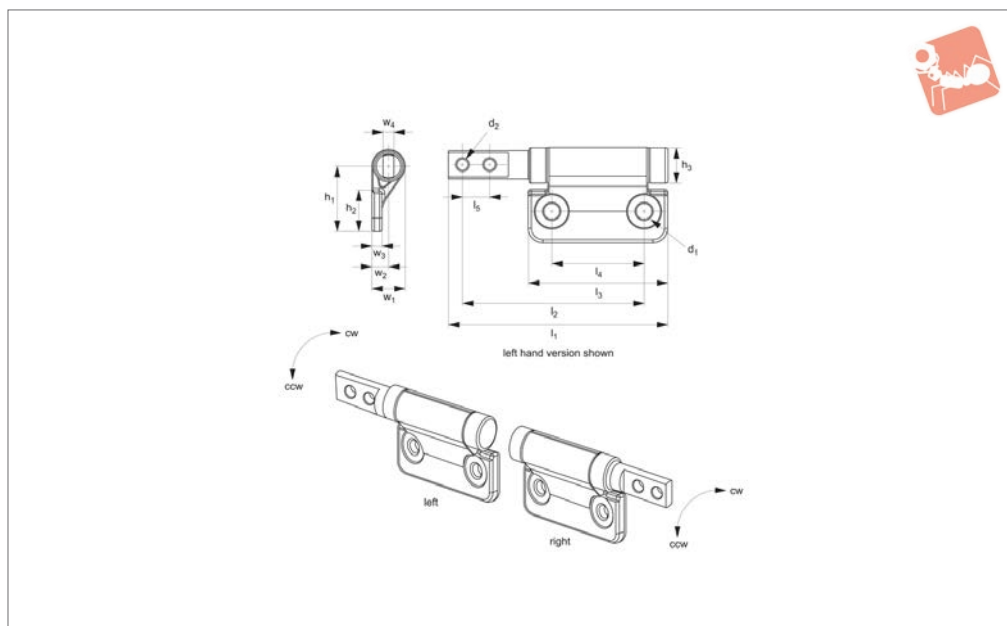


Friction Hinges

symmetric - asymmetric torque - 0,0-4,5 Nm. - plain

Hinges



S3844

HINGES

Material

Steel and zinc with natural finish.

Technical Notes

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

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

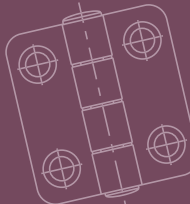
torque value in clockwise and counterclockwise directions - see data table.

CW= clockwise.

CCW= counterclockwise.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d ₁	d ₂
S3844.AC0000	0.0	0.0	270°	Right	Symmetric	5.2	4.5
S3844.AC0009	0.9	0.9	270°	Right	Symmetric	5.2	4.5
S3844.AC0018	1.8	1.8	270°	Right	Symmetric	5.2	4.5
S3844.AC0023	2.3	2.3	270°	Right	Symmetric	5.2	4.5
S3844.AC0034	3.4	3.4	270°	Right	Symmetric	5.2	4.5
S3844.AC0223	2.3	1.4	270°	Right	Asymmetric	5.2	4.5
S3844.AC0234	3.4	2.0	270°	Right	Asymmetric	5.2	4.5
S3844.AC0245	4.5	2.7	270°	Right	Asymmetric	5.2	4.5
S3844.AC0323	1.4	2.3	270°	Right	Asymmetric	5.2	4.5
S3844.AC0334	2.0	3.4	270°	Right	Asymmetric	5.2	4.5
S3844.AC0345	2.7	4.5	270°	Right	Asymmetric	5.2	4.5
S3844.AC1000	0.0	0.0	270°	Left	Symmetric	5.2	4.5
S3844.AC1009	0.9	0.9	270°	Left	Symmetric	5.2	4.5
S3844.AC1018	1.8	1.8	270°	Left	Symmetric	5.2	4.5
S3844.AC1023	2.3	2.3	270°	Left	Symmetric	5.2	4.5
S3844.AC1034	3.4	3.4	270°	Left	Symmetric	5.2	4.5
S3844.AC1223	2.3	1.4	270°	Left	Asymmetric	5.2	4.5
S3844.AC1234	3.4	2.0	270°	Left	Asymmetric	5.2	4.5
S3844.AC1245	4.5	2.7	270°	Left	Asymmetric	5.2	4.5
S3844.AC1323	1.4	2.3	270°	Left	Asymmetric	5.2	4.5
S3844.AC1334	2.0	3.4	270°	Left	Asymmetric	5.2	4.5
S3844.AC1345	2.7	4.5	270°	Left	-	5.2	4.5

Order No.	h ₁	h ₂	h ₃	l ₁	l ₂	l ₃	l ₄	l ₅	w ₁	w ₂	w ₃	w ₄
S3844.AC0000	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0009	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0018	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0023	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0034	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0223	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4



Friction Hinges

symmetric - asymmetric torque - 0,0-4,5 Nm. - plain



Order No.	h_1	h_2	h_3	l_1	l_2	l_3	l_4	l_5	w_1	w_2	w_3	w_4
S3844.AC0234	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0245	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0323	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0334	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC0345	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1000	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1009	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1018	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1023	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1034	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1223	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1234	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1245	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1323	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1334	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4
S3844.AC1345	25.58	19.5	12.7	80.8	67.4	50.8	34	10	12.7	6.35	4.5	4



Torque and Positioning Hinges

S3810 - S3870
Hinges

Table of constant torque ranges

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

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