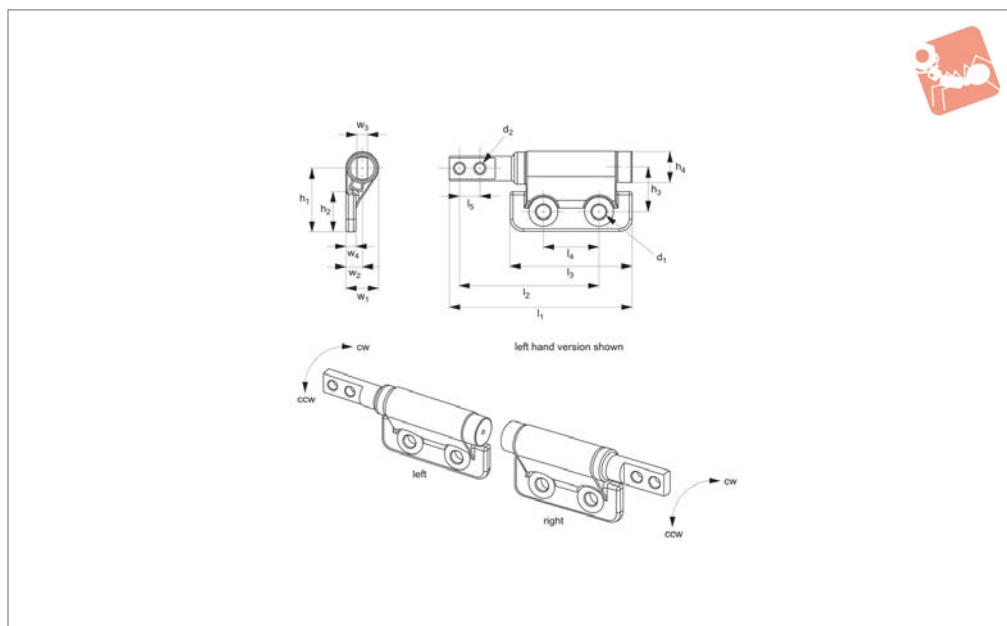


Friction Hinges

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

Hinges



S3830

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.

tion.

Tips

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

Important Notes

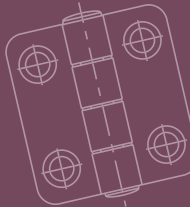
Symmetric hinges, offer same torque value

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	Hand	Torque type	d ₁	d ₂
S3830.AC0000	0.0	0.0	270°	Right	Symmetric	5	3.3
S3830.AC0009	0.9	0.9	270°	Right	Symmetric	5	3.3
S3830.AC0014	1.4	1.4	270°	Right	Symmetric	5	3.3
S3830.AC0018	1.8	1.8	270°	Right	Symmetric	5	3.3
S3830.AC0023	2.3	2.3	270°	Right	Symmetric	5	3.3
S3830.AC0027	2.7	2.7	270°	Right	Symmetric	5	3.3
S3830.AC0214	1.4	0.8	270°	Right	Asymmetric	5	3.3
S3830.AC0218	1.8	1.1	270°	Right	Asymmetric	5	3.3
S3830.AC0223	2.3	1.4	270°	Right	Asymmetric	5	3.3
S3830.AC0227	2.7	1.6	270°	Right	Asymmetric	5	3.3
S3830.AC0234	3.4	2.0	270°	Right	Asymmetric	5	3.3
S3830.AC0314	0.8	1.4	270°	Right	Asymmetric	5	3.3
S3830.AC0318	1.1	1.8	270°	Right	Asymmetric	5	3.3
S3830.AC0323	1.4	2.3	270°	Right	Asymmetric	5	3.3
S3830.AC0327	1.6	2.7	270°	Right	Asymmetric	5	3.3
S3830.AC0334	2.0	3.4	270°	Right	Asymmetric	5	3.3
S3830.AC1000	0.0	0.0	270°	Left	Symmetric	5	3.3
S3830.AC1009	0.9	0.9	270°	Left	Symmetric	5	3.3
S3830.AC1014	1.4	1.4	270°	Left	Symmetric	5	3.3
S3830.AC1018	1.8	1.8	270°	Left	Symmetric	5	3.3
S3830.AC1023	2.3	2.3	270°	Left	Symmetric	5	3.3
S3830.AC1027	2.7	2.7	270°	Left	Symmetric	5	3.3
S3830.AC1214	1.4	0.8	270°	Left	Asymmetric	5	3.3
S3830.AC1218	1.8	1.1	270°	Left	Asymmetric	5	3.3
S3830.AC1223	2.3	1.4	270°	Left	Asymmetric	5	3.3
S3830.AC1227	2.7	1.6	270°	Left	Asymmetric	5	3.3
S3830.AC1234	3.4	2.0	270°	Left	Asymmetric	5	3.3
S3830.AC1314	0.8	1.4	270°	Left	Asymmetric	5	3.3
S3830.AC1318	1.1	1.8	270°	Left	Asymmetric	5	3.3
S3830.AC1323	1.4	2.3	270°	Left	Asymmetric	5	3.3



Friction Hinges

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



Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d ₁	d ₂
S3830.AC1327	1.6	2.7	270°	Left	Asymmetric	5	3.3
S3830.AC1334	2.0	3.4	270°	Left	Asymmetric	5	3.3

HINGES

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
S3830.AC0000	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0009	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0014	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0018	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0023	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0027	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0214	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0218	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0223	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0227	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0234	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0314	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0318	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0323	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0327	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC0334	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1000	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1009	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1014	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1018	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1023	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1027	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1214	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1218	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1223	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1227	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1234	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1314	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1318	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1323	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1327	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
S3830.AC1334	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	v	3



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.

HINGES