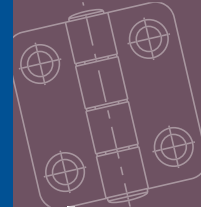


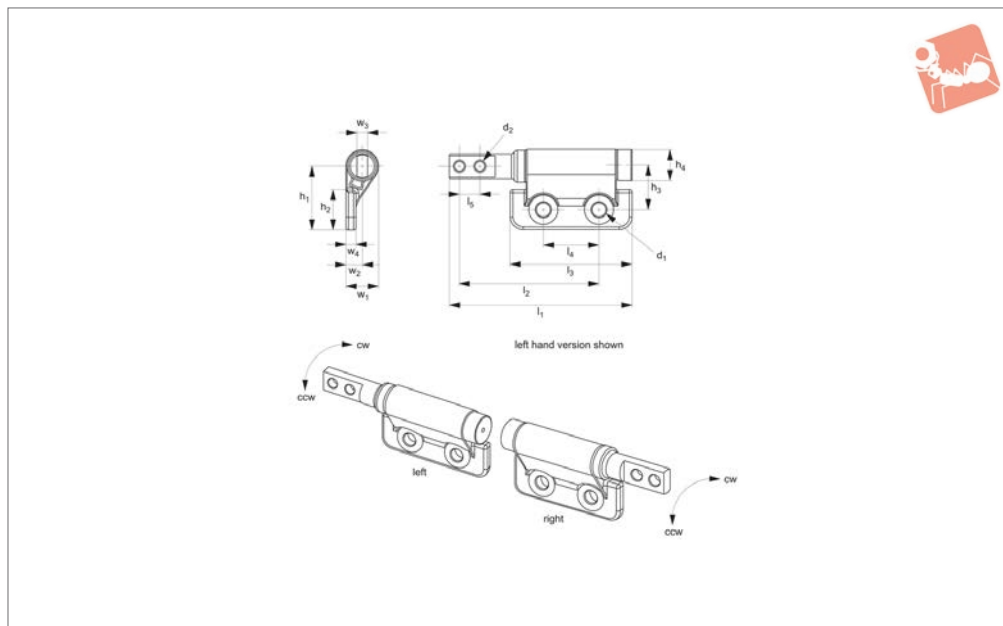


# Friction Hinges

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 contamina-

tion.

### Tips

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

### Important Notes

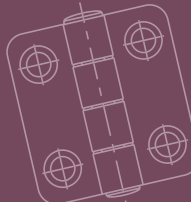
Symmetric hinges, offer same torque value

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	Hand	Torque type	d <sub>1</sub>	d <sub>2</sub>
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 <sub>1</sub>	d <sub>2</sub>
S3830.AC1327	1.6	2.7	270°	Left	Asymmetric	5	3.3
S3830.AC1334	2.0	3.4	270°	Left	Asymmetric	5	3.3

Order No.	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	w <sub>1</sub>	w <sub>2</sub>	w <sub>3</sub>	w <sub>4</sub>
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

HINGES
























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	
	<b>S3810</b>	Symmetric	360°	0,05 to 3,80	[Bar chart showing torque range from 0.05 to 3.80 Nm]													
	<b>S3820</b>	Symmetric/Asymmetric	360°	0,2 to 1,1	[Bar chart showing torque range from 0.2 to 1.1 Nm]													
	<b>S3824</b>	Symmetric/Asymmetric	360°	0,2 to 1,1	[Bar chart showing torque range from 0.2 to 1.1 Nm]													
	<b>S3830</b>	Symmetric/Asymmetric	270°	0,9 to 3,4	[Bar chart showing torque range from 0.9 to 3.4 Nm]													
	<b>S3834</b>	Symmetric/Asymmetric	270°	0,9 to 3,4	[Bar chart showing torque range from 0.9 to 3.4 Nm]													
	<b>S3840</b>	Symmetric/Asymmetric	270°	0,9 to 3,4	[Bar chart showing torque range from 0.9 to 3.4 Nm]													
	<b>S3844</b>	Symmetric/Asymmetric	270°	0,9 to 4,5	[Bar chart showing torque range from 0.9 to 4.5 Nm]													
	<b>S3850</b>	Symmetric/Asymmetric	270°	0,9 to 3,4	[Bar chart showing torque range from 0.9 to 3.4 Nm]													
	<b>S3852</b>	Symmetric/Asymmetric	270°	0,9 to 3,4	[Bar chart showing torque range from 0.9 to 3.4 Nm]													
	<b>S3854</b>	Symmetric/Asymmetric	270°	0,9 to 4,5	[Bar chart showing torque range from 0.9 to 4.5 Nm]													
	<b>S3860</b>	Symmetric	270°	3,5 to 7,0	[Bar chart showing torque range from 3.5 to 7.0 Nm]													
	<b>S3870</b>	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
	<b>S4000</b>	5 - 57.5	[Bar chart showing torque range from 5 to 57.5 Kgf.cm]														
	<b>S4002</b>	8	[Bar chart showing torque range from 8 to 8 Kgf.cm]														
	<b>S4006</b>	3.5 - 15.3	[Bar chart showing torque range from 3.5 to 15.3 Kgf.cm]														
	<b>S4010</b>	15 - 30	[Bar chart showing torque range from 15 to 30 Kgf.cm]														
	<b>S4016</b>	25 - 70	[Bar chart showing torque range from 25 to 70 Kgf.cm]														
	<b>S4020</b>	20 - 45.8	[Bar chart showing torque range from 20 to 45.8 Kgf.cm]														
	<b>S4022</b>	20 - 45.8	[Bar chart showing torque range from 20 to 45.8 Kgf.cm]														
	<b>S4030</b>	Tilting: 30.5 Swivelling: 15	[Bar chart showing torque range for tilting and swivelling]														
	<b>S4032</b>	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.

HINGES

ov-W53810-A-T-W53870-A-T-torque-positioning-hinges-rnh - Updated - 01-11-2022