

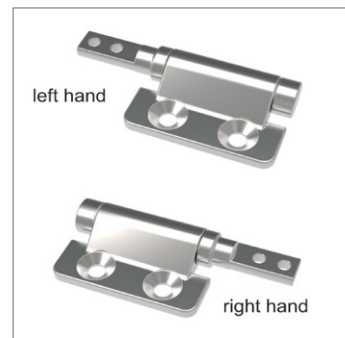
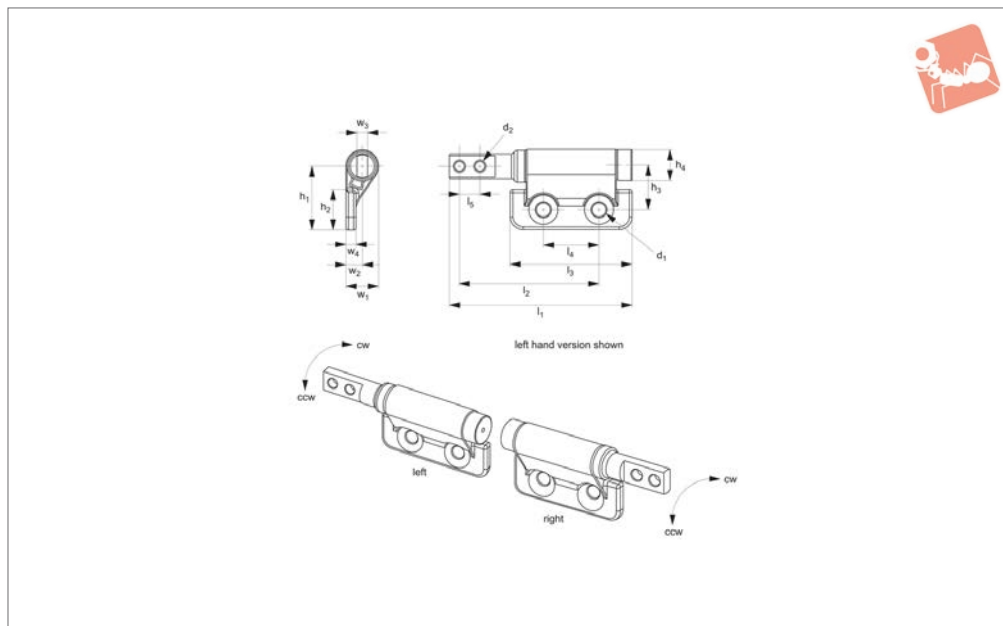


# Friction Hinges

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



## Hinges



## S3834

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%. 270° shaft rotation. Oil ring seals against envi-

ronmental contamination.

### Tips

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

### Important Notes

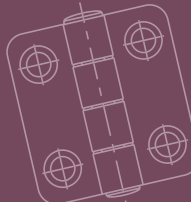
Symmetric hinges, offer same torque value

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 <sub>1</sub>	d <sub>2</sub>
S3834.AC0000	0.0	0.0	270°	Right	Symmetric	4.5	3.3
S3834.AC0009	0.9	0.9	270°	Right	Symmetric	4.5	3.3
S3834.AC0014	1.4	1.4	270°	Right	Symmetric	4.5	3.3
S3834.AC0018	1.8	1.8	270°	Right	Symmetric	4.5	3.3
S3834.AC0023	2.3	2.3	270°	Right	Symmetric	4.5	3.3
S3834.AC0027	2.7	2.7	270°	Right	Symmetric	4.5	3.3
S3834.AC0214	1.4	0.8	270°	Right	Asymmetric	4.5	3.3
S3834.AC0218	1.8	1.1	270°	Right	Asymmetric	4.5	3.3
S3834.AC0223	2.3	1.4	270°	Right	Asymmetric	4.5	3.3
S3834.AC0227	2.7	1.6	270°	Right	Asymmetric	4.5	3.3
S3834.AC0234	3.4	2.0	270°	Right	Asymmetric	4.5	3.3
S3834.AC0314	0.8	1.4	270°	Right	Asymmetric	4.5	3.3
S3834.AC0318	1.1	1.8	270°	Right	Asymmetric	4.5	3.3
S3834.AC0323	1.4	2.3	270°	Right	Asymmetric	4.5	3.3
S3834.AC0327	1.6	2.7	270°	Right	Asymmetric	4.5	3.3
S3834.AC0334	2.0	3.4	270°	Right	Asymmetric	4.5	3.3
S3834.AC1000	0.0	0.0	270°	Left	Symmetric	4.5	3.3
S3834.AC1009	0.9	0.9	270°	Left	Symmetric	4.5	3.3
S3834.AC1014	1.4	1.4	270°	Left	Symmetric	4.5	3.3
S3834.AC1018	1.8	1.8	270°	Left	Symmetric	4.5	3.3
S3834.AC1023	2.3	2.3	270°	Left	Symmetric	4.5	3.3
S3834.AC1027	2.7	2.7	270°	Left	Symmetric	4.5	3.3
S3834.AC1214	1.4	0.8	270°	Left	Asymmetric	4.5	3.3
S3834.AC1218	1.8	1.1	270°	Left	Asymmetric	4.5	3.3
S3834.AC1223	2.3	1.4	270°	Left	Asymmetric	4.5	3.3
S3834.AC1227	2.7	1.6	270°	Left	Asymmetric	4.5	3.3
S3834.AC1234	3.4	2.0	270°	Left	Asymmetric	4.5	3.3
S3834.AC1314	0.8	1.4	270°	Left	Asymmetric	4.5	3.3
S3834.AC1318	1.1	1.8	270°	Left	Asymmetric	4.5	3.3
S3834.AC1323	1.4	2.3	270°	Left	Asymmetric	4.5	3.3



Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Hand	Torque type	d <sub>1</sub>	d <sub>2</sub>
<b>S3834.AC1327</b>	1.6	2.7	270°	Left	Asymmetric	4.5	3.3
<b>S3834.AC1334</b>	2.0	3.4	270°	Left	Asymmetric	4.5	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>
<b>S3834.AC0000</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0009</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0014</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0018</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0023</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0027</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0214</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0218</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0223</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0227</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0234</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0314</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0318</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0323</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0327</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC0334</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1000</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1009</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1014</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1018</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1023</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1027</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1214</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1218</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1223</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1227</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1234</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1314</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1318</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1323</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1327</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	3
<b>S3834.AC1334</b>	20	12.5	14	57.15	43.76	38	17.8	6.35	10	5	3.18	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	
	<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.