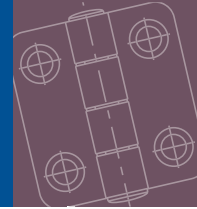
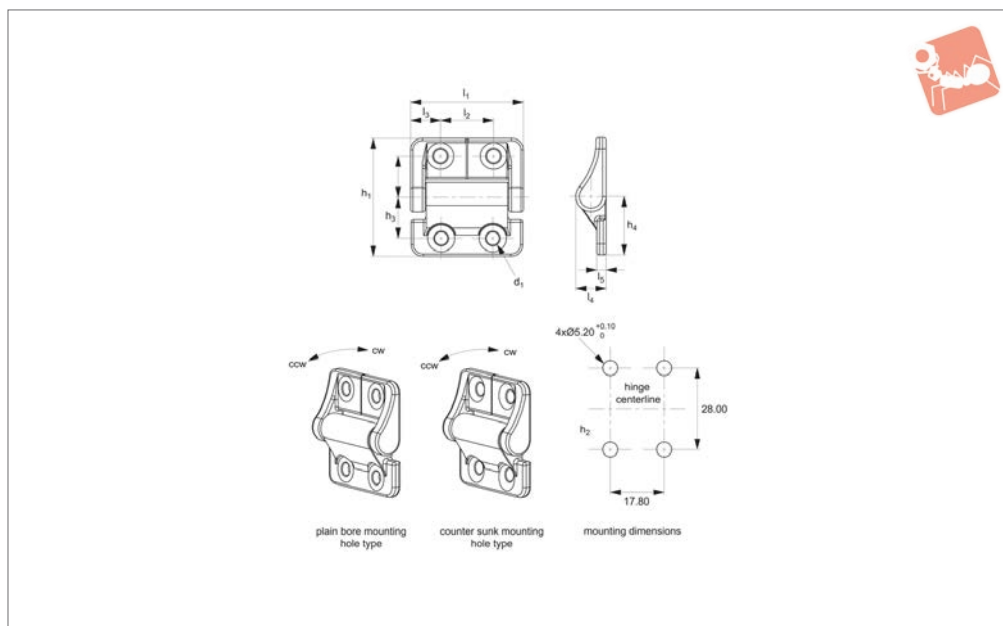


# Friction Hinges - Black

symmetric - asymmetric torque - 0,0-3,5 Nm. -



## Hinges



**S3852**

HINGES

### Material

Zinc alloy, steel, grease and o-ring with black paint finish.

### Technical Notes

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

tion.

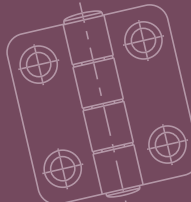
### Tips

For mounting and installation information refer to technical diagram. Also available as natural finish see part S3850.

### 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.

Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type
S3852.AC0000	0.0	0.0	270°	Plain	Symmetric
S3852.AC0009	0.9	0.9	270°	Plain	Symmetric
S3852.AC0014	1.4	1.4	270°	Plain	Symmetric
S3852.AC0018	1.8	1.8	270°	Plain	Symmetric
S3852.AC0023	2.3	2.3	270°	Plain	Symmetric
S3852.AC0027	2.7	2.7	270°	Plain	Symmetric
S3852.AC0214	1.4	0.8	270°	Plain	Asymmetric
S3852.AC0218	1.8	1.1	270°	Plain	Asymmetric
S3852.AC0223	2.3	1.4	270°	Plain	Asymmetric
S3852.AC0227	2.7	1.6	270°	Plain	Asymmetric
S3852.AC0234	3.4	2.0	270°	Plain	Asymmetric
S3852.AC0314	0.8	1.4	270°	Plain	Asymmetric
S3852.AC0318	1.1	1.8	270°	Plain	Asymmetric
S3852.AC0323	1.4	2.3	270°	Plain	Asymmetric
S3852.AC0327	1.6	2.7	270°	Plain	Asymmetric
S3852.AC0334	2.0	3.4	270°	Plain	Asymmetric
S3852.AC1000	0.0	0.0	270°	C'sunk	Symmetric
S3852.AC1009	0.9	0.9	270°	C'sunk	Symmetric
S3852.AC1014	1.4	1.4	270°	C'sunk	Symmetric
S3852.AC1018	1.8	1.8	270°	C'sunk	Symmetric
S3852.AC1023	2.3	2.3	270°	C'sunk	Symmetric
S3852.AC1027	2.7	2.7	270°	C'sunk	Symmetric
S3852.AC1214	1.4	0.8	270°	C'sunk	Asymmetric
S3852.AC1218	1.8	1.1	270°	C'sunk	Asymmetric
S3852.AC1223	2.3	1.4	270°	C'sunk	Asymmetric
S3852.AC1227	2.7	1.6	270°	C'sunk	Asymmetric
S3852.AC1234	3.4	2.0	270°	C'sunk	Asymmetric
S3852.AC1314	0.8	1.4	270°	C'sunk	Asymmetric
S3852.AC1318	1.1	1.8	270°	C'sunk	Asymmetric
S3852.AC1323	1.4	2.3	270°	C'sunk	Asymmetric



Order No.	Torque CW Nm	Torque CCW Nm	Shaft rotation	Mounting hole	Torque type
S3852.AC1327	1.6	2.7	270°	C'sunk	Asymmetric
S3852.AC1334	2.0	3.4	270°	C'sunk	Asymmetric

HINGES

Order No.	d <sub>1</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>
S3852.AC0000	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0009	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0014	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0018	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0023	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0027	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0214	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0218	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0223	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0227	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0234	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0314	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0318	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0323	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0327	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC0334	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1000	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1009	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1014	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1018	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1023	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1027	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1214	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1218	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1223	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1227	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1234	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1314	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1318	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1323	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1327	4.5	40	14	14	20	38	17.8	10.1	10	3
S3852.AC1334	4.5	40	14	14	20	38	17.8	10.1	10	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.