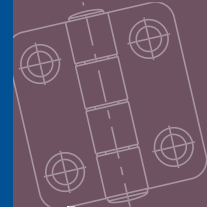


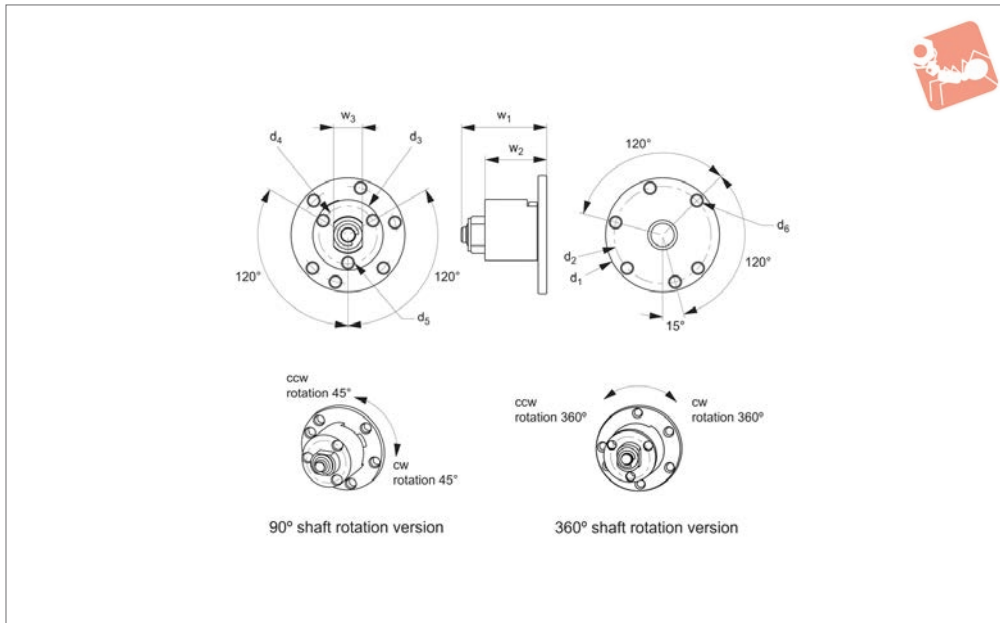


Friction Hinges

symmetric torque - 2,5-5,0 Nm.



Hinges



S3870

HINGES

Material

Steel with nickel plating finish.

value remaining within +/- 25%.

CW= clockwise.

CCW= counterclockwise.

Technical Notes

Tested to 10,000 cycles with static torque

Important Notes

Symmetric, offer same torque value in both clockwise and counterclockwise directions.

Order No.	Torque Nm	Shaft rotation	Torque type	d ₁	d ₂	d ₃	d ₄	d ₅	d ₆	w ₁	w ₂	w ₃ thru
S3870.AC0025	2.5	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0030	3.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0040	4.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0050	5.0	90°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0125	2.5	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0130	3.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0140	4.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8
S3870.AC0150	5.0	360°	Symmetric	32.1	27	20	16	M 3x0,50	M 3x0,50	23.7	17	8



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																	

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.

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																			