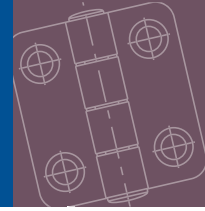


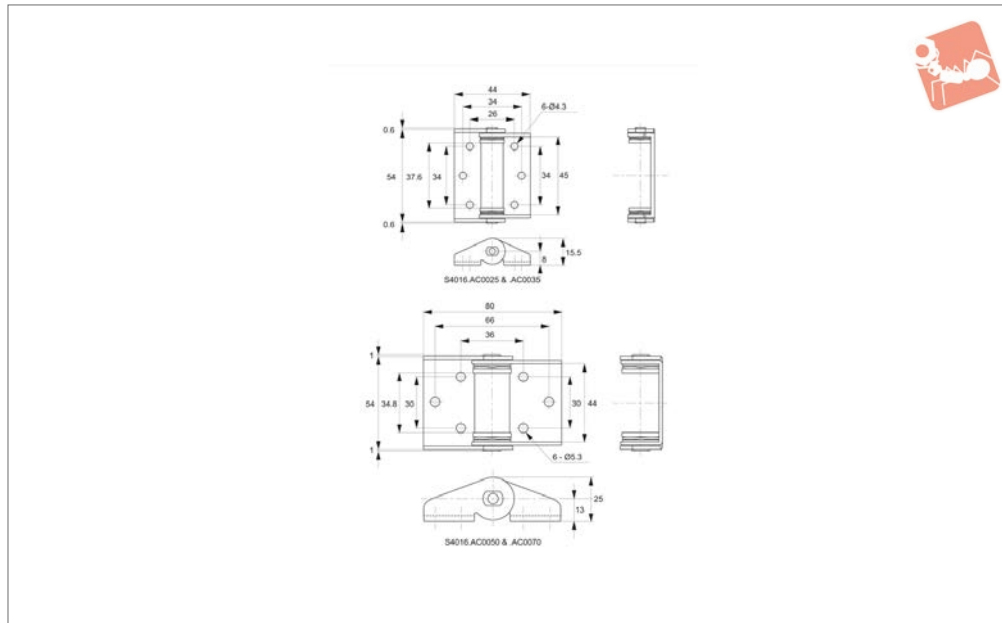


Constant Torque - Friction Hinges

screw mount - stainless



Hinges



S4016

HINGES

Material

Body: stainless steel, AISI 304, polished.

Shaft: stainless steel, AISI 303.

Washer: phosphor bronze.

Spring washer: steel.

Technical Notes

Friction torque hinge designed for holding

monitors, displays etc in position.

Important Notes

Applicable torque range 180°. Tested to 20,000 cycles, based on movement within a 45° range of movement. Temperature range -10 to +50°C.

Order No.	Torque kgf/cm ±20%	Weight g
S4016.AC0025	25	50
S4016.AC0035	35	50
S4016.AC0050	50	130
S4016.AC0070	70	130



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																		