

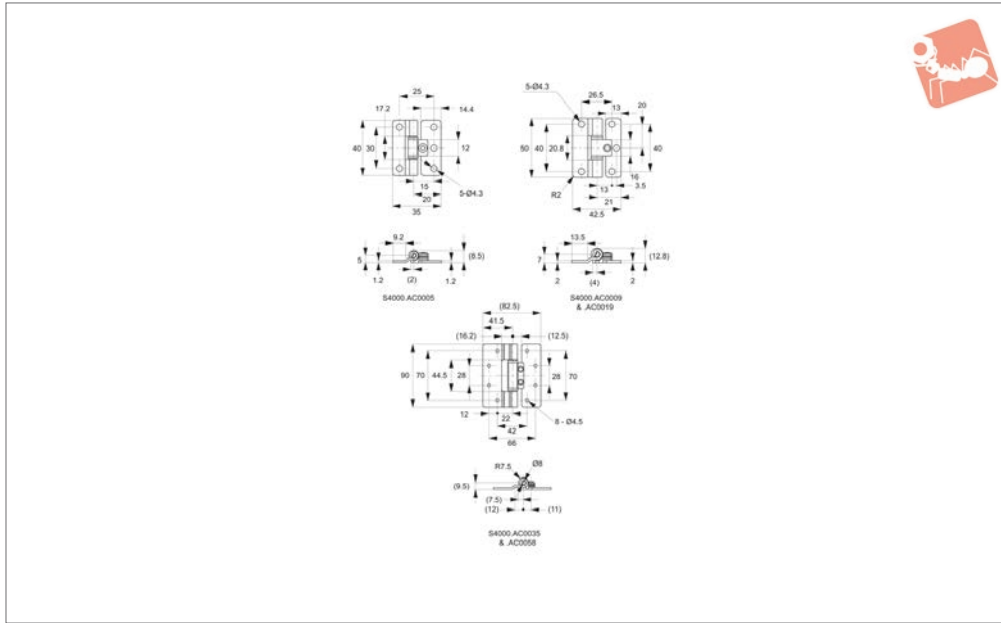


Constant Torque - Friction Hinge

screw mount - stainless steel



Hinges



S4000

HINGES

Material

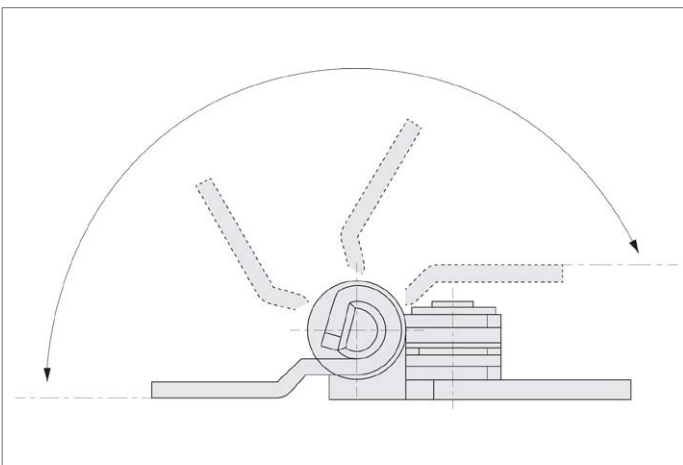
Body: stainless steel, AISI 304, polished.
Shaft: Stainless steel, AISI 303, polished.

Technical Notes

Friction torque hinge designed for holding lid/door in position. Stainless steel

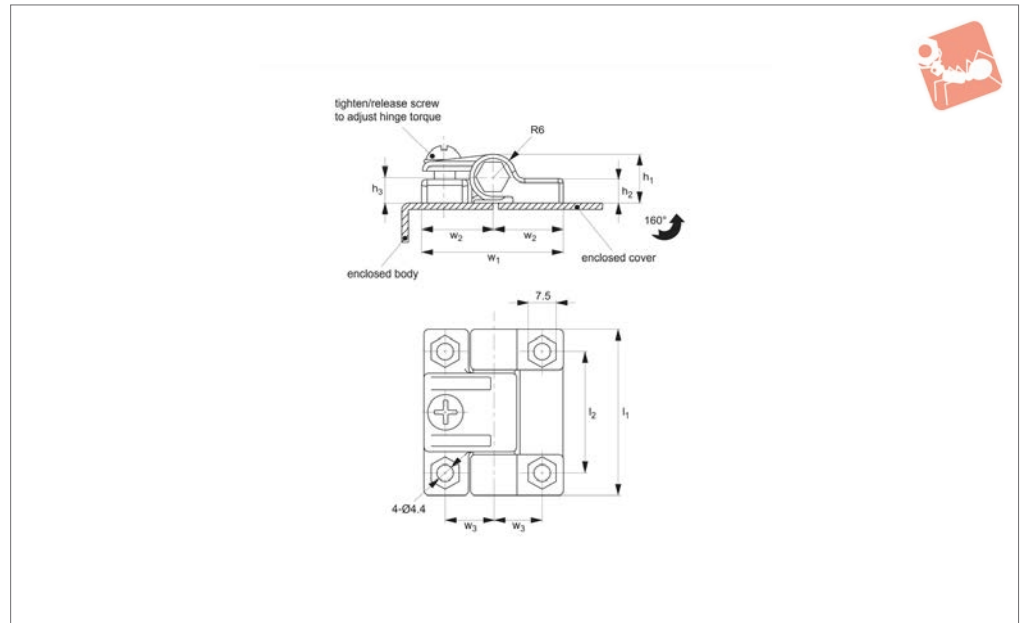
construction for corrosive environments.
Operating temperature: -20°C to +60°C.

Order No.	Torque kgf/cm	Weight g
S4000.AC0005	±1	21
S4000.AC0009	5	51
S4000.AC0019	9	51
S4000.AC0035	19	195
S4000.AC0058	35	195





S4002



Material

Body: polyamide, black finish.
Shaft: PC.

Supplied with: Fixing nuts and bolts.

Technical Notes

Opening angle 160°. Hinge torque adjusted by screw. Provides position control. Suitable for left hand and right

hand application.

Order No.	Torque kgf/cm max. ±1	h ₁	h ₂	h ₃	l ₁	l ₂	w ₁	w ₂	w ₃
S4002.AW0043	8	12.5	6	6.5	43	13.5	36	18	12.5

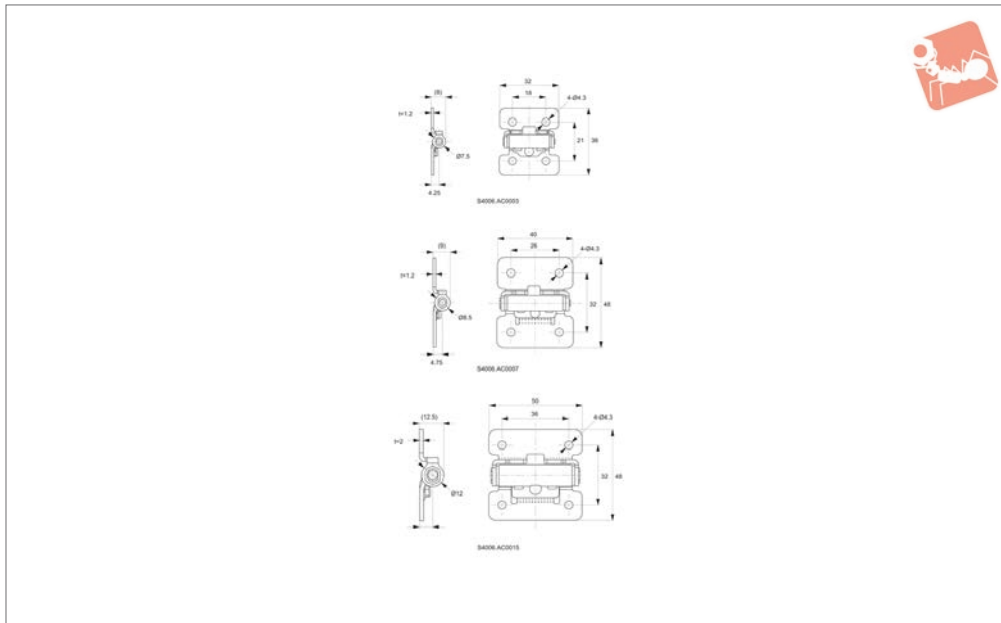


Constant Torque - Friction Torque

screw mount - stainless steel



Hinges



S4006

HINGES

Material

Body: stainless steel, AISI 304. Fixing tube: polyacetal.

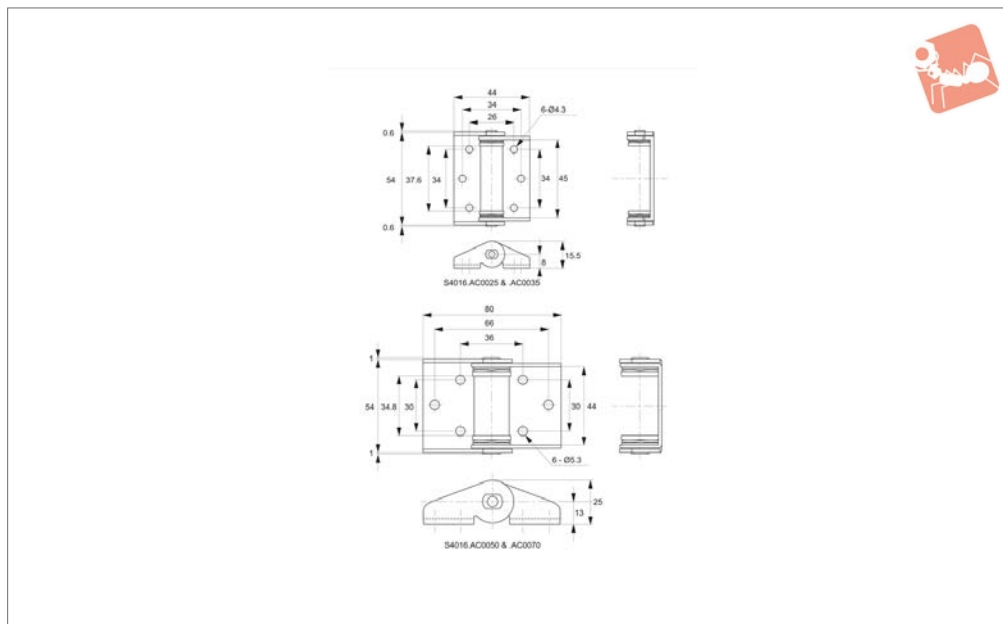
Technical Notes

Friction torque hinge holds lids/covers over free stop angle between 0 - 180°.

Order No.	Torque/pair kgf/cm +40% -20%	Free stop angle
S4006.AC0003	3.5	0 - 180°
S4006.AC0007	7.0	0 - 180°
S4006.AC0015	15.0	0 - 180°



S4016



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

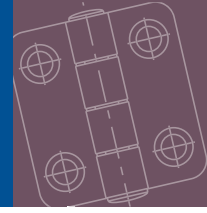
Applicable torque range 180°. Tested to 20,000 cycles, based on movement within a 45° range of movement. Temperature range -10 to +50°C.

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

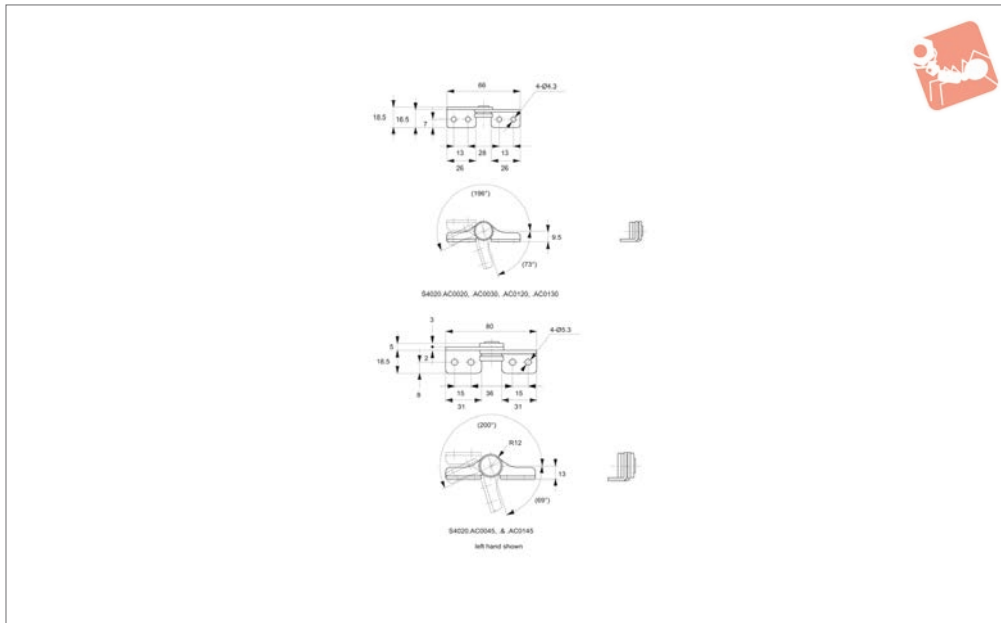


Constant Torque - Friction Hinges

screw mount - stainless



Hinges



S4020

HINGES

Material

Body: stainless steel, AISI 430.

monitors, monitoring cameras, screens and displays. Consistent torque throughout free stop angle.

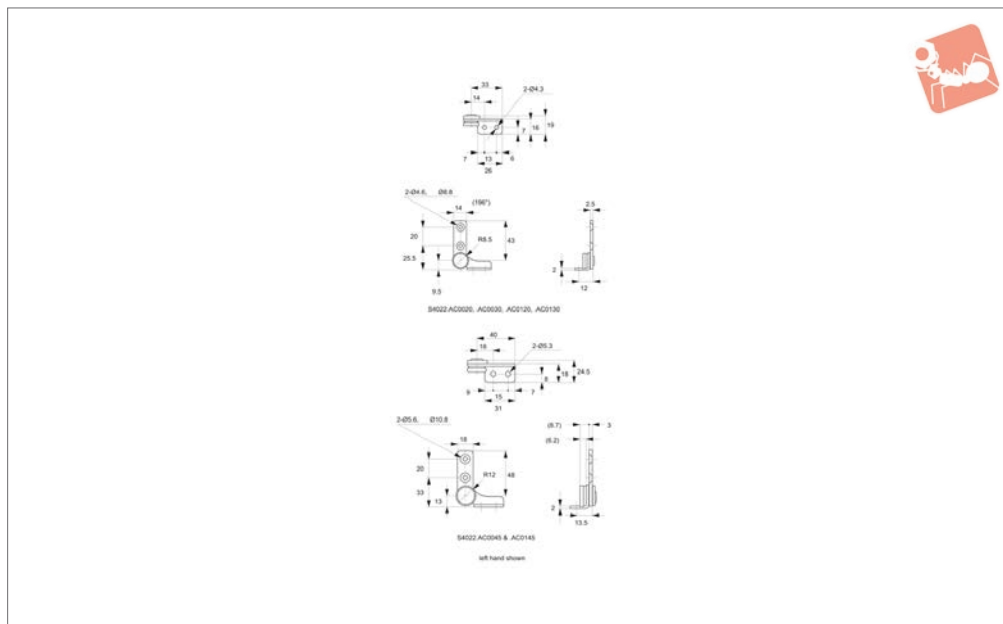
Technical Notes

Friction torque hinge ideal for mounting of

Order No.	Torque kgf/cm ±20%	Hand	Friction free stop angle	Weight g
S4020.AC0020	20.4	right	0-140°	30
S4020.AC0120	20.4	left	0-140°	30
S4020.AC0030	30.6	right	0-140°	30
S4020.AC0130	30.6	left	0-140°	30
S4020.AC0045	45.9	right	0-140°	65
S4020.AC0145	45.9	left	0-140°	65



S4022



Material

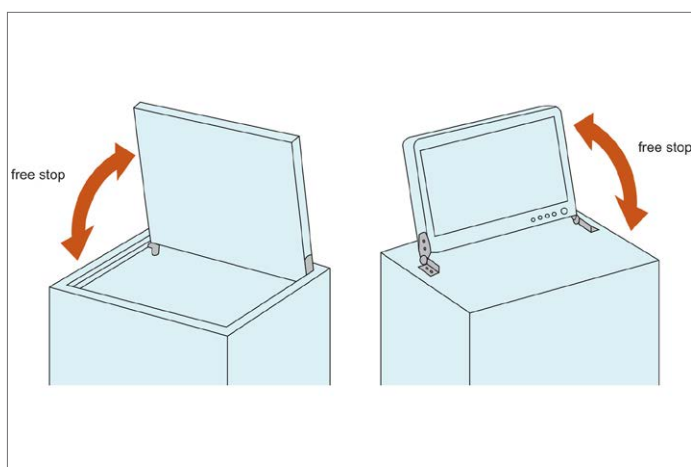
Body: stainless steel, AISI 430.

monitors, monitoring cameras, screens and displays. Consistent torque throughout free stop angle.

Technical Notes

Friction torque hinge ideal for mounting of

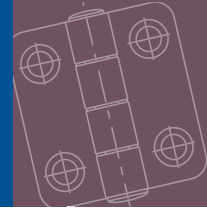
Order No.	Torque kgf/cm ±20%	Hand	Opening angle	Weight g
S4022.AC0010	7.1	right	360°	31
S4022.AC0020	20.4	right	360°	30
S4022.AC0030	30.6	right	360°	30
S4022.AC0045	45.9	right	360°	65
S4022.AC0110	7.1	left	360°	31
S4022.AC0120	20.4	left	360°	30
S4022.AC0130	30.6	left	360°	30
S4022.AC0145	45.9	left	360°	65



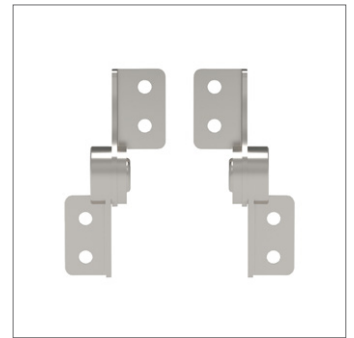
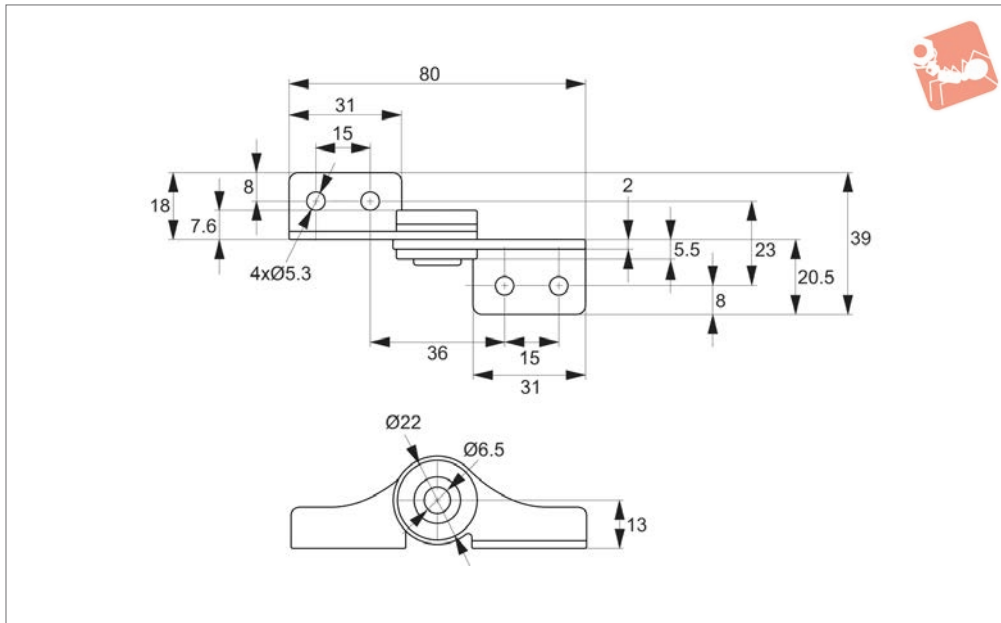


Constant Torque - Friction Torque

Friction Torque Hinges



Hinges



S4024

HINGES

Material

Bracket and Base- 430 Stainless, Plate-steel, Shaft and washer- 303 and 430 stainless steel.

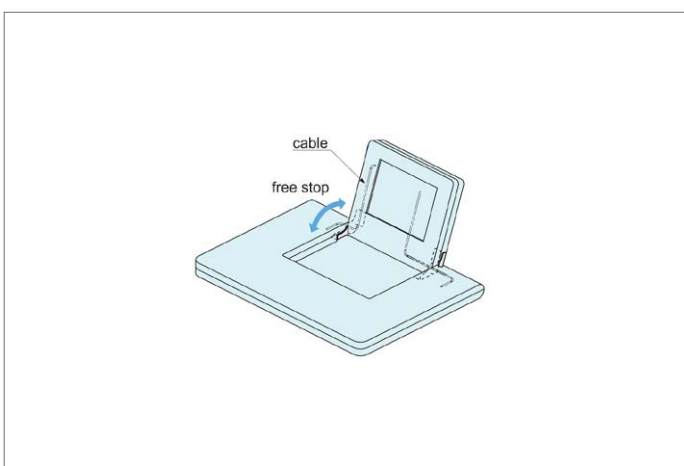
Technical Notes

Hole in shaft allows easy cable manage-

ment. Ideal for the holder of LCD and monitoring camera. Successfull Passed for the 50,000 open/close private cycle test. Operating temperature: 0°C- 40°C. For pair using: Use the same torque moment in both hinges.

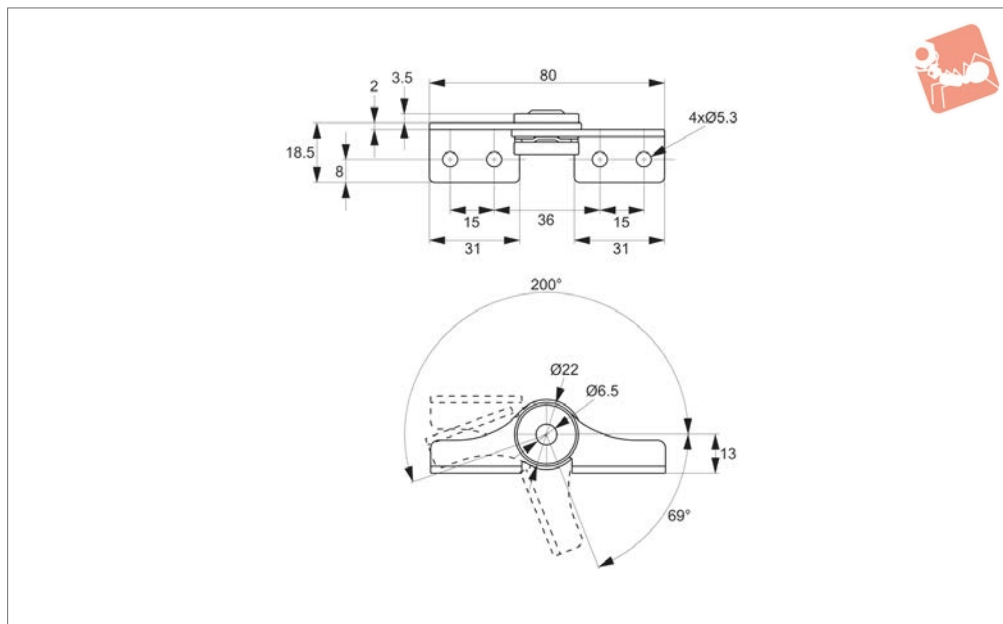
Torque moment per piece is 4.5 Nm ±20%.

Order No.	Type	Weight g
S4024.AC0010	Right/Wiring Hole	60
S4024.AC0020	Left/Wiring Hole	60





S4026



Material

Bracket and Base- 430 Stainless, Plate-steel, Shaft and washer- 303 and 430 stainless steel.

Technical Notes

Hole in shaft allows easy cable manage-

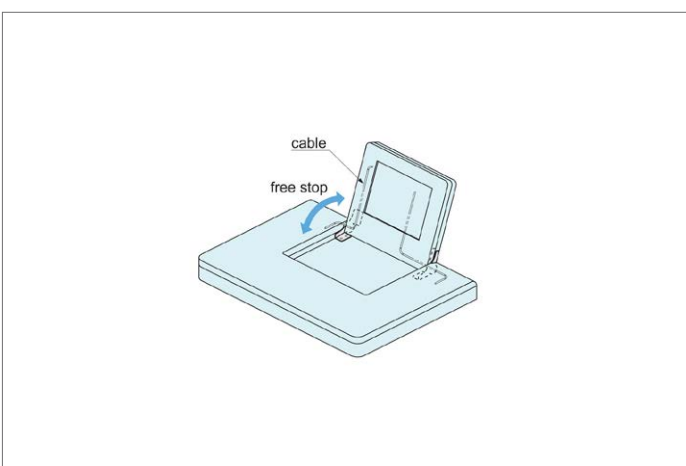
ment. Ideal for the holder of LCD and monitoring camera. Successful Passed for the 50,000 open/close private cycle test. Torque moment per piece is 4.5 Nm \pm 20%.

Tips

Operating temperature: 0°C- 40°C.

For pair using: Use the same torque moment in both hinges.

Order No.	Type	Weight g
S4026.AC0010	Right/Wiring Hole	60
S4026.AC0020	Left/Wiring Hole	60



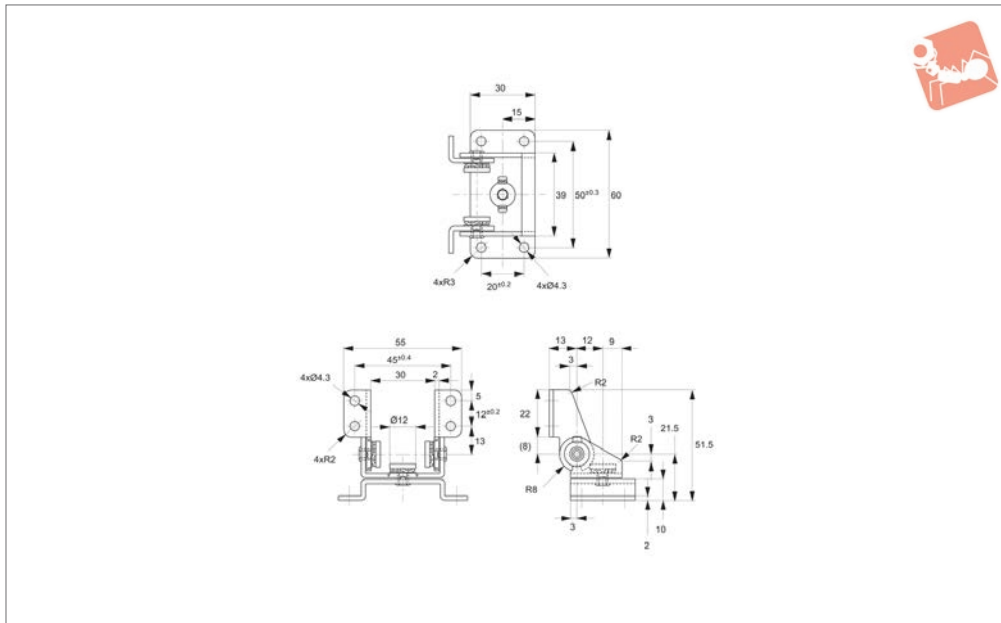


Constant Torque - Dual Axis Friction

screw mount - stainless steel



Hinges



S4030

HINGES

Material

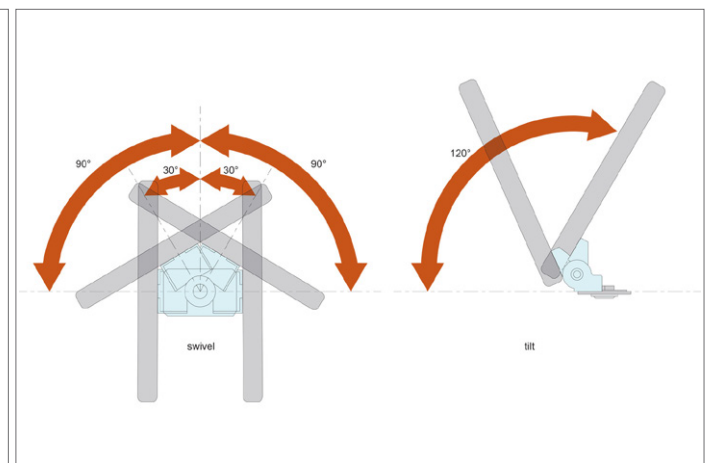
Body and base: stainless steel, AISI 430.

Technical Notes

Dual axis torque hinge with stability in

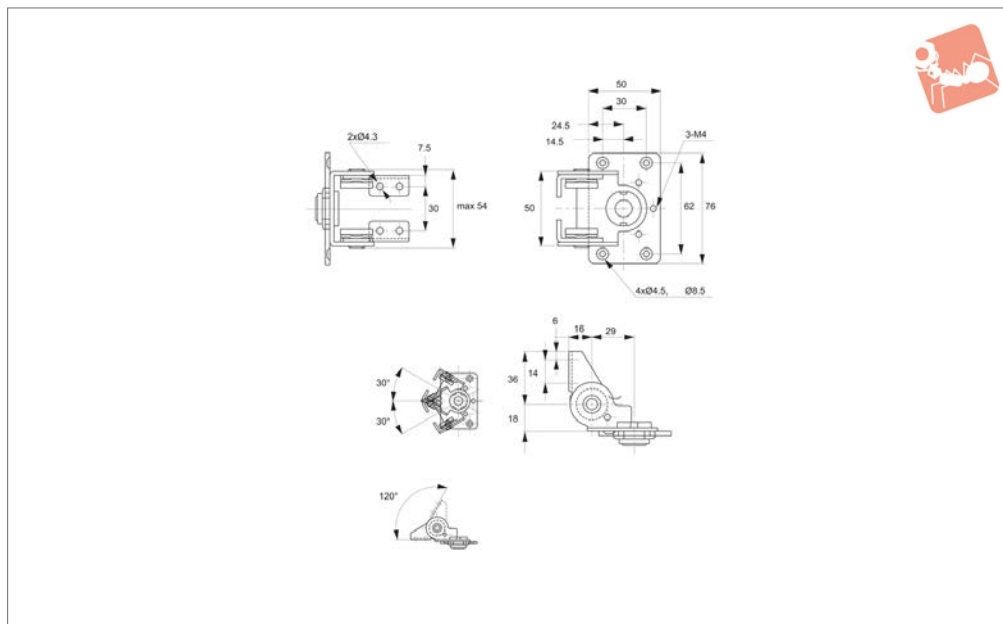
both axis. Ideal for mounting of monitor screens. Angle of swivel axis can be limited via use of pin/screw (not supplied).

Order No.	Swivel angle	Swivelling torque kgf/cm ±20%	Tilting angle	Tilting torque kgf/cm ±20%
S4030.AC0030	30°/90°	15	120°	30





S4032



Material

Body and base: stainless steel, AISI 430.

Technical Notes

Dual axis torque hinge with stability in

both axis. Ideal for mounting of monitor screens. Angle of swivel axis can be limited via use of pin/screw (not supplied).

Order No.	Swivel angle	Swivelling torque kgf/cm ±20%	Tilting angle	Tilting torque kgf/cm ±15%
S4032.AC0030	30°/90°	30.5	120°	71.5

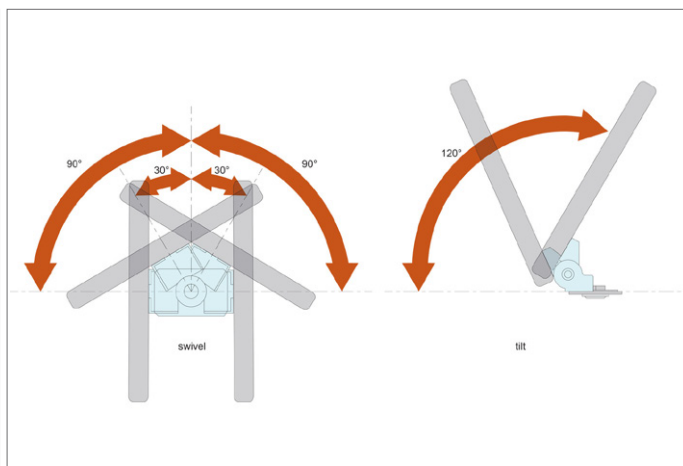
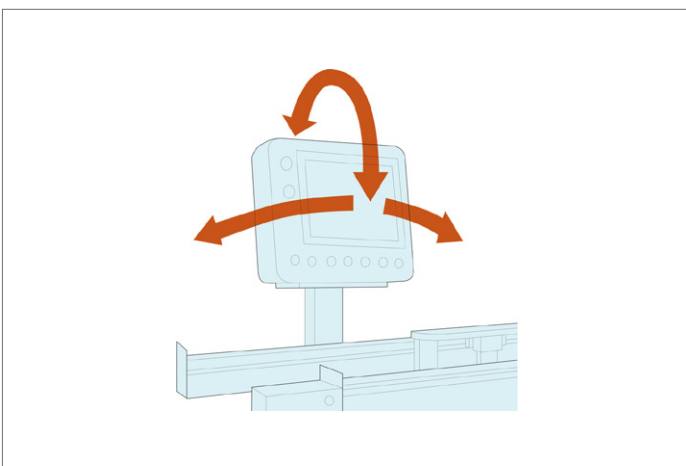

























Table of constant torque ranges				Torque Nm													
Part no.	Torque type	Shaft Rotation	Torque Nm	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
	S3810	Symmetric	360°	0,05 to 3,80													
	S3820	Symmetric/ Asymmetric	360°	0,2 to 1,1													
	S3824	Symmetric/ Asymmetric	360°	0,2 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													

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	5 - 57.5														
	S4002	8	8														
	S4006	3.5 - 15.3	3.5 - 15.3														
	S4010	15 - 30	15 - 30														
	S4016	25 - 70	25 - 70														
	S4020	20 - 45.8	20 - 45.8														
	S4022	20 - 45.8	20 - 45.8														
	S4030	Tilting: 30.5 Swivelling: 15	30.5 / 15														
	S4032	Tilting: 71.5 Swivelling: 30.5	71.5 / 30.5														

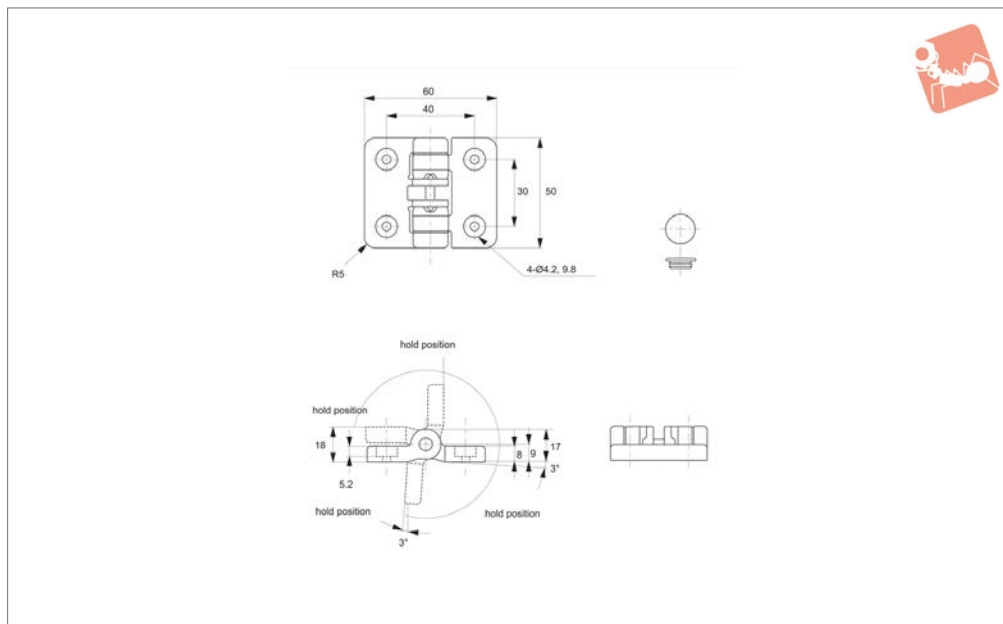
Constant Torque Hinges S4000-S4032

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.



S4100



Material

Body: polyacetal.
Caps: polypropylene.
Pin: AISI 304 stainless steel.

without secondary mechanical support.
Holding force approx. 5Kgf.cm.

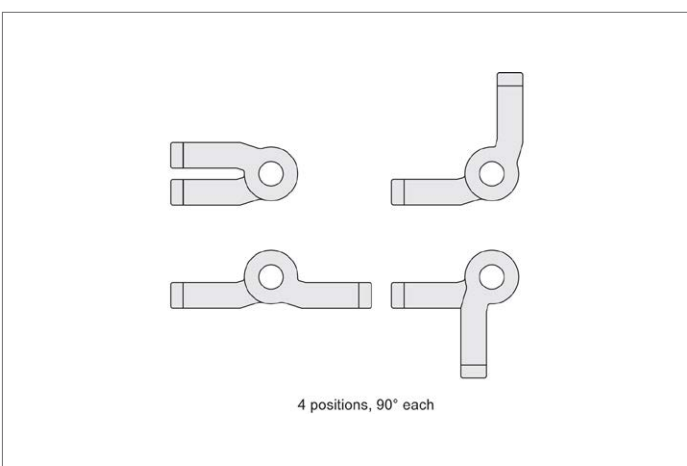
Tips

Suitable for medical, food processing and factory automation machines.

Technical Notes

Holds doors open at 4x90° positions

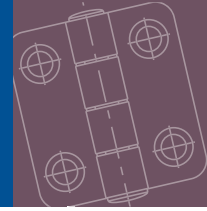
Order No.	Colour	Weight g
S4100.AC0010	Ivory	30
S4100.AC0020	Black	30



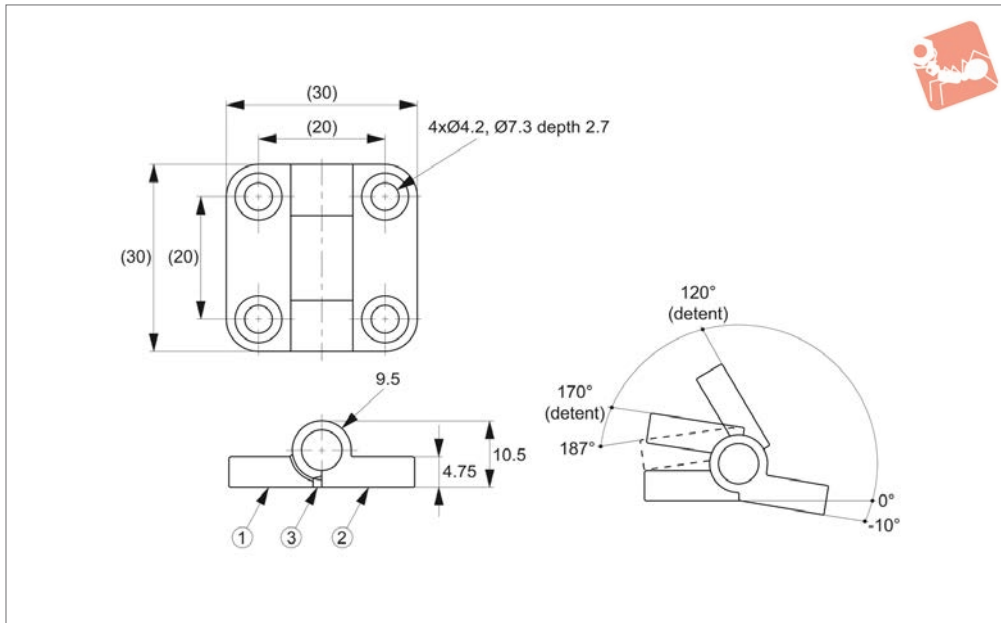


Mini Detent Hinge

screw mount - plastic



Hinges



S4102

HINGES

Technical Notes

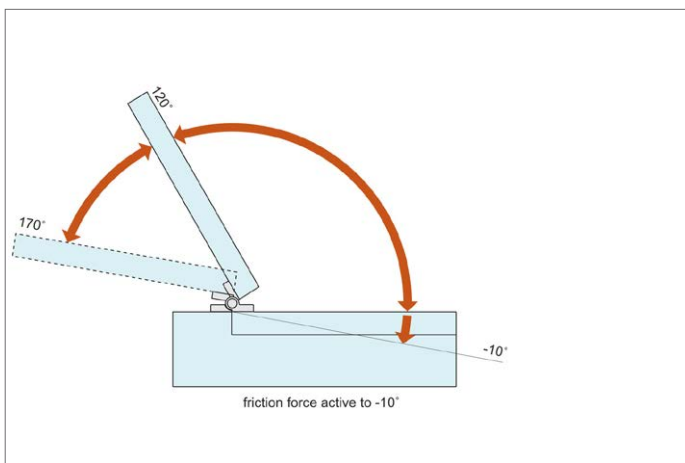
Plastic hinge holds doors at 3 different positions without secondary support (-10°, 120° and 170°). Can be used horizontally

or vertically. Additional stopper is recommended at 0° and 170°. Successfully passed for the 40,000 open/close private cycle test.

Tips

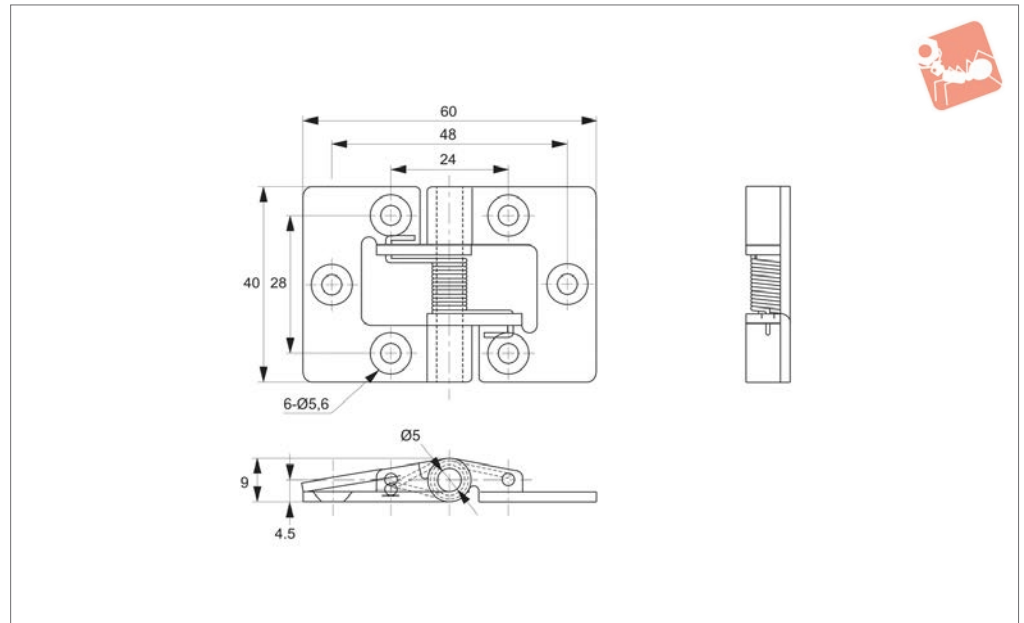
Recommended screw: Pan wood screw M4.

Order No.	Colour	Weight g
S4102.AW0010	Black	8
S4102.AW0020	White	8





S4200



Material

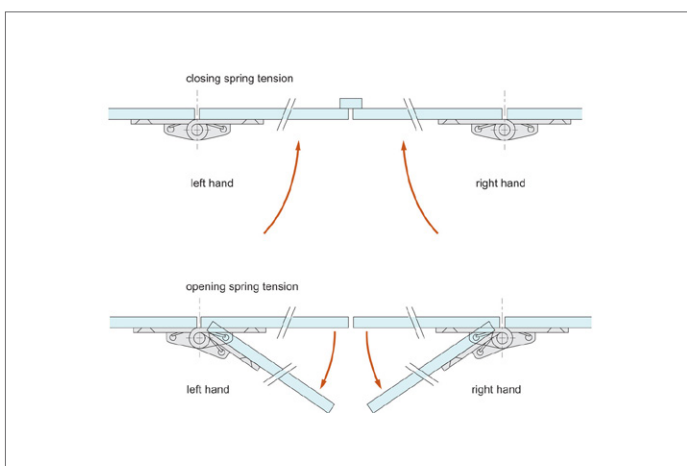
Stainless steel, AISI 304, polished finish.

opening type - spring works to keep door/panel open; closing type - spring works to close the door/panel.

Technical Notes

Two spring tension types available;

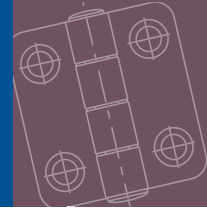
Order No.	Spring tension	Hand	Weight g
S4200.AC0010	Closing	Left	41
S4200.AC0110	Opening	Left	41
S4200.AC0020	Closing	Right	41
S4200.AC0120	Opening	Right	41



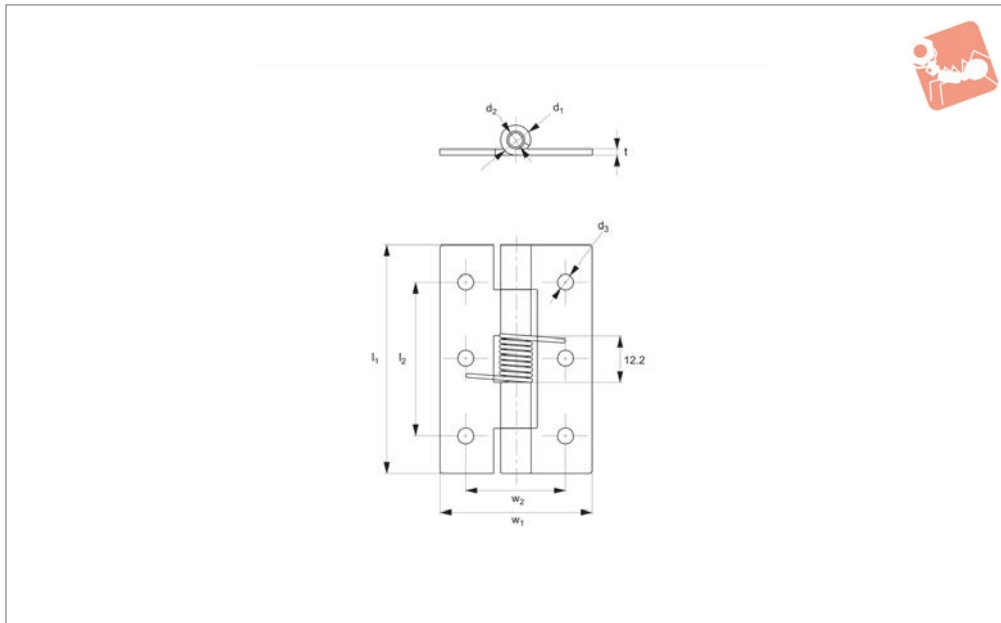


Spring Hinges

screw mount - stainless steel



Hinges



S4202

HINGES

Material

Stainless steel, AISI 304, plain finish.

Technical Notes

Spring tension in this hinge is designed to keep doors closed.

Order No.	Spring load kg	Spring tension	l_1	l_2	t	w_1	w_2	d_1	d_2	d_3	Weight g
S4202.AC0020	0.50	Closing	20	-	0.5	14	-	2.2	1	-	5
S4202.AC0025	0.55	Closing	25	14	1.2	32	20	5.8	3	3.2	10
S4202.AC0038	1.20	Closing	38	26	1.5	32	20	6.5	3	3.2	20
S4202.AC0051	0.80	Closing	51	32	1.5	38	25	6.5	3	3.2	35

