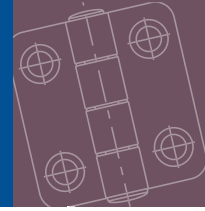


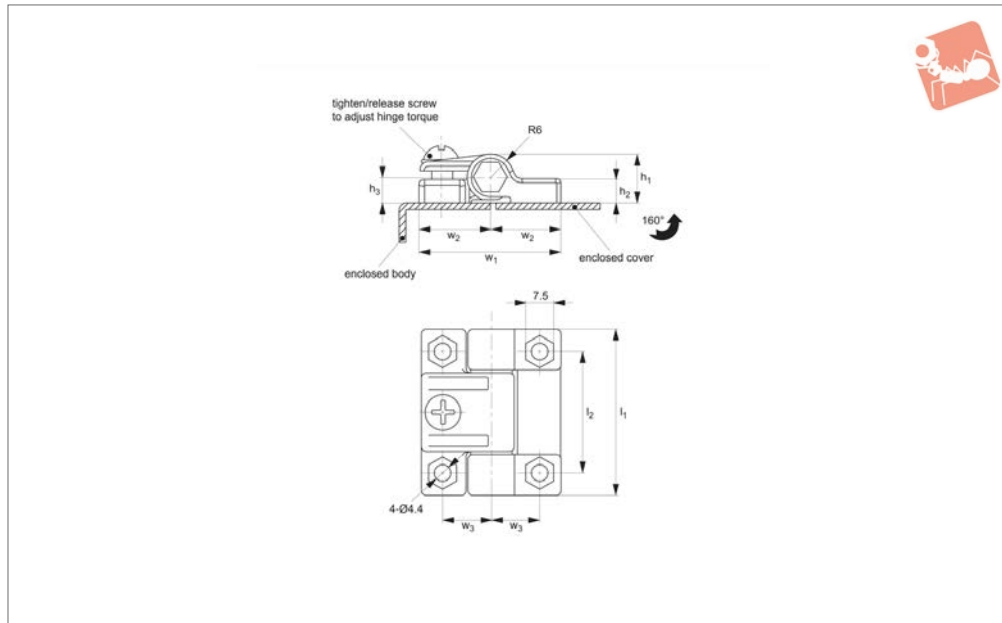


# Adjustable Torque - Friction Hinge

polyamide - screw mount - plastic



## Hinges



**S4002**

HINGES

### 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<br>kgf/cm<br>max.   ±1 | $h_1$ | $h_2$ | $h_3$ | $l_1$ | $l_2$ | $w_1$ | $w_2$ | $w_3$ |
|---------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>S4002.AW0043</b> | 8                             | 12.5  | 6     | 6.5   | 43    | 13.5  | 36    | 18    | 12.5  |



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 |
|  <b>S3810</b>   | Symmetric                | 360°           | 0,05 to 3,80 |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3820</b>   | Symmetric/<br>Asymmetric | 360°           | 0,2 to 1,1   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3824</b>   | Symmetric/<br>Asymmetric | 360°           | 0,2 to 1,1   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3830</b>   | Symmetric/<br>Asymmetric | 270°           | 0,9 to 3,4   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3834</b>   | Symmetric/<br>Asymmetric | 270°           | 0,9 to 3,4   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3840</b>   | Symmetric/<br>Asymmetric | 270°           | 0,9 to 3,4   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3844</b>   | Symmetric/<br>Asymmetric | 270°           | 0,9 to 4,5   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3850</b>   | Symmetric/<br>Asymmetric | 270°           | 0,9 to 3,4   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3852</b>  | Symmetric/<br>Asymmetric | 270°           | 0,9 to 3,4   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3854</b> | Symmetric/<br>Asymmetric | 270°           | 0,9 to 4,5   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3860</b> | Symmetric                | 270°           | 3,5 to 7,0   |  |           |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  <b>S3870</b> | 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 |  |  |
|  <b>S4000</b> | 5 - 57.5                          |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4002</b> | 8                                 |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4006</b> | 3.5 - 15.3                        |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4010</b> | 15 - 30                           |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4016</b> | 25 - 70                           |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4020</b> | 20 - 45.8                         |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4022</b> | 20 - 45.8                         |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4030</b> | Tilting: 30.5<br>Swivelling: 15   |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |
|  <b>S4032</b> | Tilting: 71.5<br>Swivelling: 30.5 |  |  |               |    |    |    |    |    |    |    |    |     |     |     |     |     |     |  |  |