

## Polyamide designed hinges

**With the aim of providing resistant and aesthetically pleasing products, the range of hinges enhance the look of your equipment.**

- Lightness
- Stiffness
- Full ranges of sizes : square, symmetrical, asymmetrical
- Aesthetic
- Matt black finish
- Rotation up to 270°
- Corrosion-resistant
- Standard dimensions
- Limited play

### Application examples :

- Enclosures and 19" racks
- Cabinets
- Door panels
- Stowage boxes
- Special machines
- Etc...

### Material :

- Black PA reinforced glass fibre (30%) wings
- 304 stainless steel knurled pin
- 304 stainless steel studs (nuts not supplied)

### Part numbers :

Square version :

- 30x30 4 countersunk holes **54-1-3513**
- 40x40 4 countersunk holes **54-1-3514**
- 50x50 4 countersunk holes **54-1-3516**
- 60x60 4 countersunk holes **54-1-3518**
- 60x60 4 studs **54-1-3519**

Modèles symétriques :

- 40x80 6 countersunk holes **54-1-3520**
- 40x120 6 countersunk holes **54-1-3522**
- 50x100 6 countersunk holes **54-1-3540**
- 60x120 6 countersunk holes **54-1-3524**

Modèles asymétriques :

- 40x60 5 countersunk holes **54-1-3528**
- 40x80 5 countersunk holes **54-1-3536**
- 50x75 5 countersunk holes **54-1-3538**
- 60x90 5 countersunk holes **54-1-3532**



Square designed hinges



Symmetrical designed hinges



Asymmetrical designed hinges

Pinet **are able** to produce **special versions** (please contact us for details).

**Other plastic hinges** : please consult our catalogue or our website.

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## Strength guideline :

### Tensile F1 :

- Length 30 : 1200 N
- Length 40 : 2200 N
- Length 50 : 3600 N
- Length 60 : 5100 N

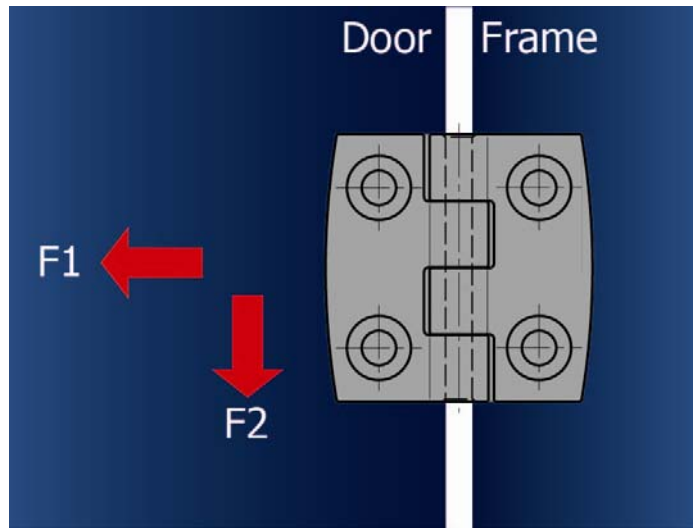
### Shear F2 :

*Square or symmetrical hinges :*

- Length 30 : 850 N
- Length 40 : 1900 N
- Length 50 : 2100 N
- Length 60 : 3100 N

*Asymmetrical hinges :*

- Length 30 : 1000 N
- Length 40 : 2300 N
- Length 50 : 2500 N
- Length 60 : 4200 N



### Recommended screw torque for :

- M3 screw (length 30) : 1 N.m
- M4 screw (length 40) : 4 N.m
- M6 screw (length 50 and 60) : 8 N.m

A	B	C	D	E	F	G	S	part number
30	30	3	3	3.5	18	18	3.2	54-1-3513
40	40	5.2	4	5.7	25	25	5.3	54-1-3514
50	50	5.9	5	6.4	30	30	6.4	54-1-3516
60	60	6.5	6	7	36	36	6.4	54-1-3518

A	B	C	D	E	F	G	H	S	part number
40	80	5.2	4	5.7	13.5	25	19	5.3	54-1-3520
40	120	5.2	4	5.7	14.5	25	38	5.3	54-1-3522
50	100	5.9	5	6.4	16	30	24	6.4	54-1-3540
60	120	6.5	6	7	18	36	30	6.4	54-1-3524

A	B	C	D	E	F	G	part number
60	60	6.5	6	7	36	36	54-1-3519

A	B	C	D	E	F	G	H	S	part number
40	60	5.2	4	5.7	13	25	19	5.3	54-1-3528
40	80	5.2	4	5.7	27	25	38	5.3	54-1-3536
50	75	5.9	5	6.4	31	30	24	6.4	54-1-3538
60	90	6.5	6	7	36	36	30	6.4	54-1-3532

*Subject to technical changes*

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