



ELESA original design HGFT-PR / HGFT-HT-PR

**Specification**

- Body  
Plastic  
Technopolymer (Polyamide PA)  
Black, matte finish
- **EN 543.3**
  - Temperature resistant up to 212 °F (100 °C)
  - Sight glass  
Plastic  
Crystal clear Polyamide PA-T
  - Pressure resistant up to 3 bar
  - Seal  
Rubber NBR (Perbunan®)
- **EN 543.4** (only available in metric sizes)
  - Temperature resistant up to 284 °F (140 °C)
  - Sight glass  
Plastic  
Polysulfon
  - Pressure resistant up to 7 bar
  - Seal  
Rubber FPM (Viton®)
- RoHS compliant

**Accessory**

- Thin hexagon nuts GN 7430

**Information**

The sight glass of EN 543.3 / EN 543.4 prismatic fluid sight glasses is embedded in the body during the injection process and it is therefore absolutely leak tight.

These fluid sight glasses use the prismatic effect of a cat's eye to give a clear indication of the fluid level unaffected by fluid color or fluid viscosity. The advantage of this effect is particularly obvious in the case of underfilling or overfilling and for inspection under unfavorable light conditions.

The sealing ring is embedded in a radial groove and can therefore not be squeezed out during the tightening operation.

**Assembly note:**

For wall thicknesses below 4 mm, use GN 7430 thin hexagon nuts.

see also...

- *Prismatic Fluid Sight Glasses EN 541.2*
- *Fluid Sight Glasses GN 744 (with Prismatic Effect)*

<p>How to order (Resistant up to 212 °F)</p> <p><b>EN 543.3-15-1/2NPT</b></p>	1 Diameter d <sub>1</sub>
	2 Pipe thread d <sub>2</sub>
<p>How to order (Resistant up to 284 °F)</p> <p><b>EN 543.4-18-G3/4</b></p>	1 Diameter d <sub>1</sub>
	2 Pipe thread d <sub>2</sub>

## Inch table

1

2

Dimensions in: inches - *millimeters*

EN 543.3						
d <sub>1</sub>	d <sub>2</sub> Pipe thread	d <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	s	Recommended tightening torque in Nm
0.59 15	1/2 NPT	1.10 28	0.39 10	0.33 8.5	0.94 24	6 - 8
0.71 18	3/4 NPT	1.38 35	0.37 9.5	0.33 8.5	1.26 32	8 - 10
0.91 23	1 NPT	1.67 42.5	0.43 11	0.37 9.5	1.50 38	10 - 12

## Metric table

1

2

Dimensions in: millimeters - *inches*

EN 543.3 / EN 543.4						
d <sub>1</sub>	d <sub>2</sub> Pipe thread	d <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	s	Recommended tightening torque in Nm
15 0.59	G 1/2	28 1.10	10 0.39	8.5 0.33	24 0.94	6 - 8
18 0.71	G 3/4	35 1.38	9.5 0.37	8.5 0.33	32 1.26	8 - 10
23 0.91	G 1	42.5 1.67	11 0.43	9.5 0.37	38 1.50	10 - 12