

**3 Identification no.**  
 1 Without seal  
 2 With seal

**Metric table**

Dimensions in: millimeters - inches

b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	h <sub>1</sub>	h <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	F <sub>1</sub>	F <sub>2</sub>
90* 3.54	76 2.99	79 3.11	50 1.97	28 1.10	19 0.75	17 0.67	17.5 0.69	1800 N 405 lbf	500 N 112 lbf
110 4.33	91 3.58	96 3.78	73 2.87	42 1.65	24 0.94	20 0.79	21.5 0.85	1300 N 292 lbf	400 N 89.92 lbf
120 4.72	94 3.70	103 4.06	95 3.74	58 2.28	28.5 1.12	24 0.94	26.5 1.04	1000 N 225 lbf	250 N 56.20 lbf

\* only available with identification no. 1

**Specification**

- Plastic  
Technopolymer (Polyamide PA)  
- Glass fiber reinforced  
- Temperature resistant up to 176 °F (80 °C)
- Color (matte finish):  
Black-gray, RAL 7021 **● SG**  
White, RAL 9002 **○ WS**
- Housing seal (Identification no. 2)  
- PU foam (Polyurethane)  
- Protection class IP 65
- Plastic Characteristics
- RoHS compliant

**On request**

- Self-extinguishing plastic (SV)
- Various metric size fasteners and kit packaging

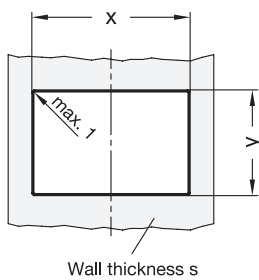
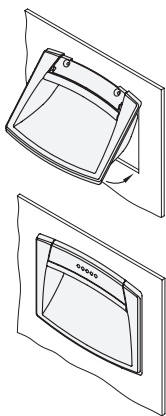
**Information**

Gripping trays with housing seal (identification no. 2) prevent the penetration of any dirt or liquids into the housing interior.  
 There are no mounting screws required for EN 731 gripping trays.  
 The values of the load capacities F<sub>1</sub> and F<sub>2</sub> were tested with a material wall thickness s = 1.5 mm.

see also...

- Product Family Ergostyle®
- Gripping Trays EN 733 (Technopolymer Plastic, Screw-In Type)
- Gripping Trays EN 731.1 (Technopolymer Plastic, Clip-In Type)

How to order	1 Tray width b <sub>1</sub>
<b>EN 731-120-SG-2</b>	2 Color
	3 Identification no.



**Mounting information**

- 1) Drill the handle housing according to the template dimensions reported in the table.
- 2) Remove all drill hole burrs before assembling the handle.
- 3) Fit the upper part of the handle into the housing.
- 4) Press down on the lower part until the handle snaps in and is completely inserted.

Identification no. 1	$x \pm 0.2$		$y \pm 0.1$		$x \pm 0.2$		$y \pm 0.1$	
	for $b_1 = 90$		for $b_1 = 110$		for $b_1 = 120$			
Wall thickness $s$								
0.7 ... 0.8	85	34.9	100	49.7	107.5	70.5		
0.02 ... 0.03	3.35	1.37	3.94	1.96	4.23	2.78		
> 0.8 ... 1.2	85	35.1	100	50	107.5	70.8		
0.03 ... 0.05	3.35	1.38	3.94	1.97	4.23	2.79		
> 1.2 ... 1.5	85	36.1	100	50.4	107.5	71.2		
0.05 ... 0.06	3.35	1.42	3.94	1.98	4.23	2.80		
> 1.5 ... 2	85	36.1	100	50.7	107.5	71.5		
0.06 ... 0.08	3.35	1.42	3.94	1.99	4.23	2.81		
> 2 ... 2.2	85	36.1	100	50.7	107.5	71.5		
0.08 ... 0.09	3.35	1.42	3.94	1.99	4.23	2.81		

Identification no. 2	$x \pm 0.2$		$y \pm 0.1$		$x \pm 0.2$		$y \pm 0.1$	
	for $b_1 = 110$		for $b_1 = 120$					
Wall thickness $s$								
> 0.8 ... 1.2	100,2	50,5	107,5	71,3				
0.03 ... 0.05	3,95	1,99	4,23	2,81				
> 1.2 ... 1.5	100	51,4	107,5	71,8				
0.05 ... 0.06	3,94	2,02	4,23	2,83				

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

