

# INDUSTRIAL FIXING SYSTEMS

## ANGLE BRACKETS AND FITTINGS FOR HEAVY DUTY STRUT CHANNELS

### ANG3

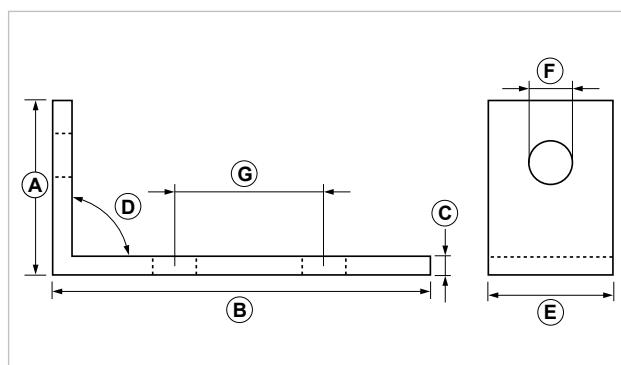
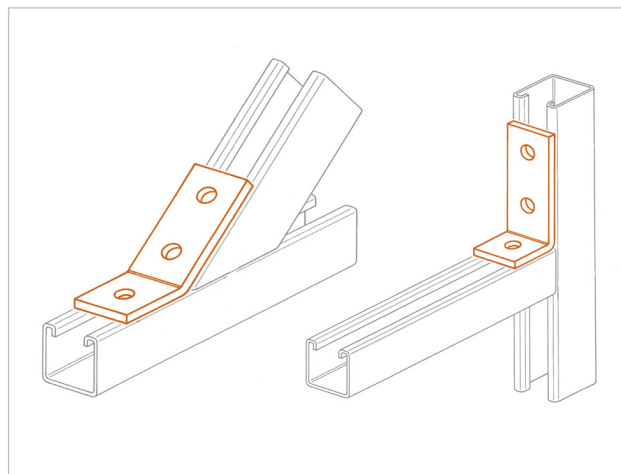
#### 3-hole angle bracket for heavy duty strut channels

#### APPLICATION

It is used to set up brackets and supporting structures without welding.

#### FEATURES AND BENEFITS

- > It allows a **90° or 45° connection** between PF3 and PF4 strut channels.



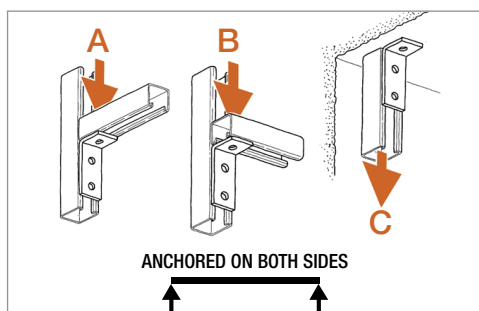
COD	TYPE	A	B	C	D	E	F	G
161021	ANG3 90	40,5	104	6	90	40	14	48
161121	ANG3 45	42,5	90,5	6	135	40	14	48

#### MATERIALS TECHNICAL DATA

##### ANGLE BRACKET

Steel DD11 EN 10111 with electro zinc-plating 7-8 µm

##### RECOMMENDED LOADS



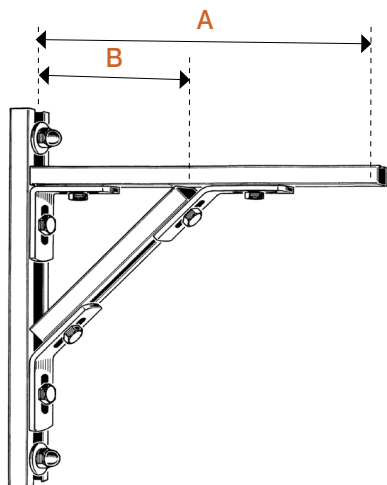
TYPE	A	B	C
ANG3 90	500	340	500
ANG3 45	500	340	500

Recommended load is the average resistance loads with a safety coefficient.  
1 daN=1 kg.

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### ANGLE BRACKETS AND STRUT CHANNELS' LOADS



#### Static load capacity

**Material:** DX 51 D e D D11

**F** = concentrated load in daN. - **Q** = evenly distributed load in daN.

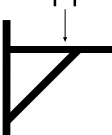
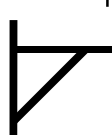
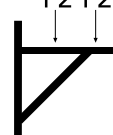
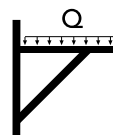
Safety load = 140 N/mm<sup>2</sup> (14 Kg./mm<sup>2</sup>)

Maximum deflection = L/250

For wall fastening please consider the supporting performance of the plug or the connection piece.

The items ANS 90, ANS 135, ANS 90 2D, JBR10 - with a tightening torque of 40 Nm - have been used for PF3 strut channels.

The items ANG3-45, ANG3-90, DRP12, BU12 - with a tightening torque of 70 Nm - have been used for PF4 strut channels.

TYPE	LENGTH mm		 F1 = daN	 F1 = daN	 F2 = daN	 Q = daN
	A	B				
PF4	350	240	145	80	90	140
	500	350	135	65	85	135
	750	500	105	35	80	115
	1000	800	65	25	45	75
PF3	500	300	200	120	140	200
	800	500	180	80	120	180
	1000	700	160	70	100	160
	1500	1000	150	50	80	150

#### PACKAGING

In cardboard box

#### RELATED ITEMS

- > Heavy duty strut channels
- > Threaded rods
- > Pipe clamps

#### DATE 07-2023 REV. 01

The current technical data sheet substitutes and cancels the previous ones. The details provided fit our current knowledge of the product. It cannot lead us to any sort of responsibility or compensation.

Gia S.p.A. reserves the right of changing technical features and molds without notice.

This company is subject to "Ethica Global Investments S.p.A." management.

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