



Tightening automation.
Only excellent solutions.



Screw head

Fiam

PEOPLE AND SOLUTIONS

SCREW HEAD

This component is required in order to hold the screw coming from the bowl feeder through the feeding hose and guide it before it is tightened on the workpiece. Holding the screw is necessary in order to enable the bit to lower onto the screw and proceed to tightening the component. The head is equipped with jaws which are opening to release the screw when the bit starts tightening the screw on the component. Screw heads are **extremely reliable** as they are built with **highest quality materials** through precise and accurate machining which, together with the treatments, **guarantee high resistance to breaking and wearing**.

Available in various models suitable for screw found in the market, these heads are customized by FIAM basing on type of customer's screw.

CUSTOMISED AND COMMISSIONED

DESIGNED AND BUILT FOLLOWING CUSTOMER SPECIFICATIONS, IT IS THOROUGHLY COMMISSIONED IN ORDER TO GUARANTEE ITS PERFECT PERFORMANCE

Component	Model	Description
13	TTV - P	Screw head - P
13	TTV - G	Screw head - G
13	TTV - M	Screw head - M

TECHNICAL FEATURES

THE RELATIONSHIP BETWEEN THE Ø OF THE SCREW HEAD AND THE OVERALL LENGTH OF THE SCREW MUST BE SUPERIOR/EQUAL 1,5 (SEE CHARTS BELOW)



For order supply screw and/or drawing of screw complete with reference legislation for customized versions.

E.g.: Ø screw head = 7 mm, the minimum overall length of the screw must be 10,5 mm. The overall length of the screw must be at least 10 mm.

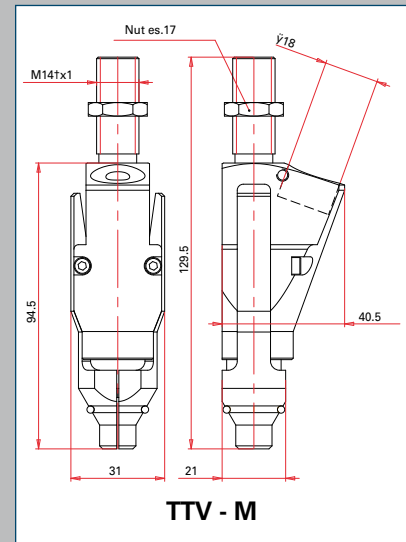
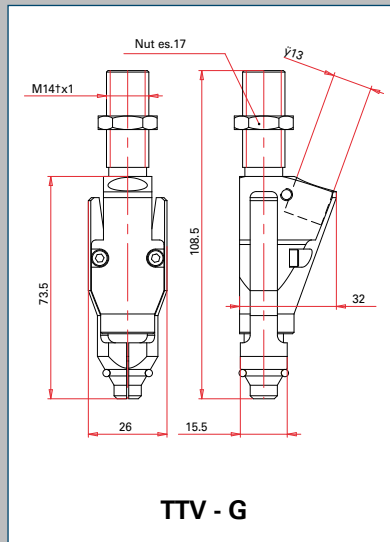
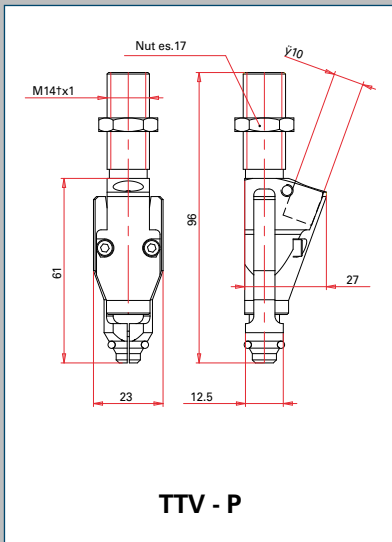
E.g.: Ø screw head = 8 mm, the minimum overall length of the screw must be 12 mm.

E.g.: Ø screw head = 14 mm, the minimum overall length of the screw must be 21 mm.

Ø head screw (mm)	Overall length of the screw (mm)
4,5 ÷ 7,0	max 25

Ø head screw (mm)	Overall length of the screw (mm)
7,1 ÷ 10,0	max 35

Ø head screw (mm)	Overall length of the screw (mm)
10,1 ÷ 13,5	max 35



The photo shows a special head for holding screws for flat screw M8 with ratio length screw/diameter head equal to 0,9

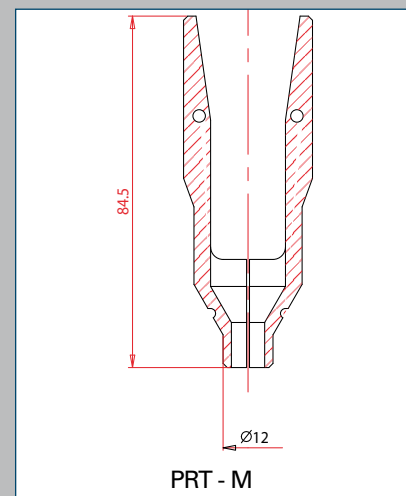
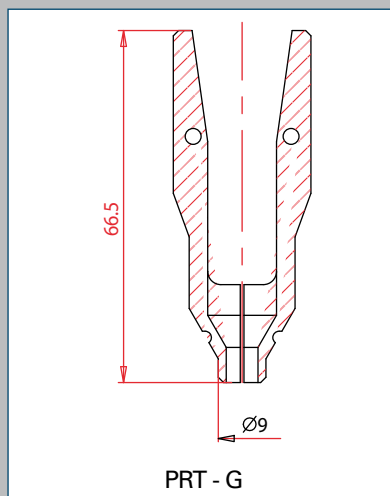
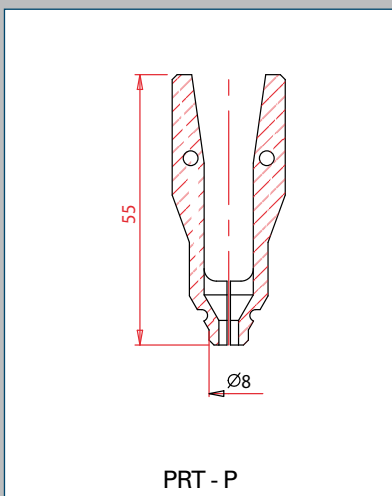


JAWS

The jaws are the device for holding screws lodged in the head. Alike the screw head, jaws are available in 3 sizes which can be combined with the heads selected basing on screw dimensions.

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Component	Model	Description
13	PRT - P	Jaw P
13	PRT - G	Jaw G
13	PRT - M	Jaw M



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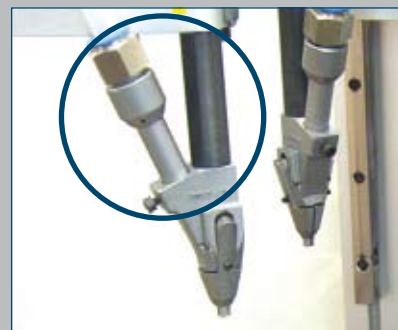
BUSHES

The bushes are indispensable accessories for connecting the screw feeding hose to the head for holding screws. Bushes are of 3 sizes basing on the type/size of the screw head and are supplied customized basing on the screw and hose types. Materials of which they are made render bushes **extremely reliable over time also in presence of high production rates.**



Head bush P

The photo shows the bush installed on a multi-spindle tightening solution



Component	Model	Description
14	BCC P 4	Head bush P Ø int. 4
14	BCC P 4,5	Head bush P Ø int. 4,5
14	BCC P 5	Head bush P Ø int. 5
14	BCC P 5,5	Head bush P Ø int. 5,5
14	BCC P 6	Head bush P Ø int. 6
14	BCC P 6,5	Head bush P Ø int. 6,5
14	BCC P 7	Head bush P Ø int. 7,5
14	BCC G 7,5	Head bush G Ø int. 7,5
14	BCC G 8	Head bush G Ø int. 8
14	BCC G 8,5	Head bush G Ø int. 8,5
14	BCC G 9	Head bush G Ø int. 9
14	BCC G 9,5	Head bush G Ø int. 9,5
14	BCC G 10	Head bush G Ø int. 10
14	BCC G 10,5	Head bush G Ø int. 10,5
14	BCC M 10,5	Head bush M Ø int. 10,5
14	BCC M 11	Head bush M Ø int. 11
14	BCC M 11,5	Head bush M Ø int. 11,5
14	BCC M 12	Head bush M Ø int. 12
14	BCC M 12,5	Head bush M Ø int. 12,5
14	BCC M 13	Head bush M Ø int. 13
14	BCC M 13,5	Head bush M Ø int. 13,5
14	BCC M 14	Head bush M Ø int. 14

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