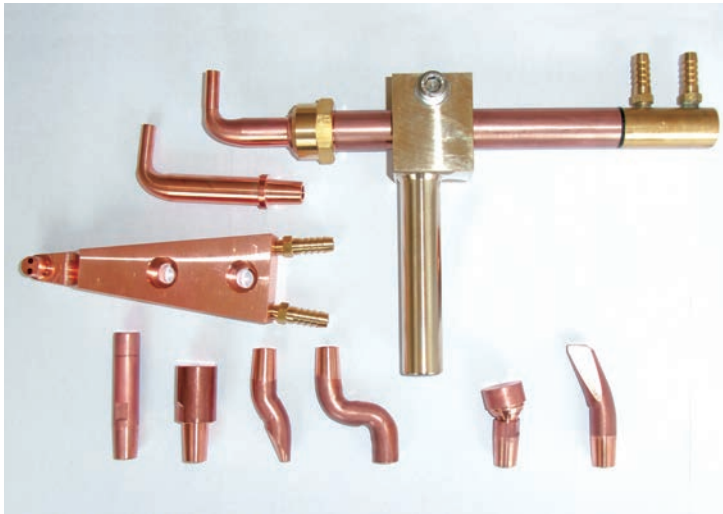


# Spot Tip

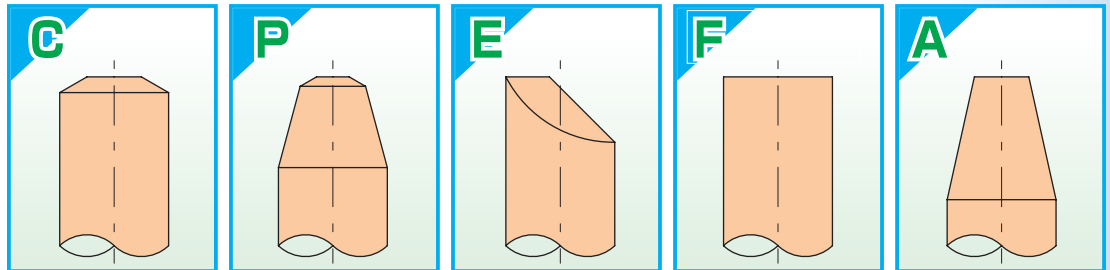


▶ One body electrode and there are various kind shapes which prevent from hazardous works (welding object).



▶ Various shapes electrode makes wide ranges welding.

## Tip shape

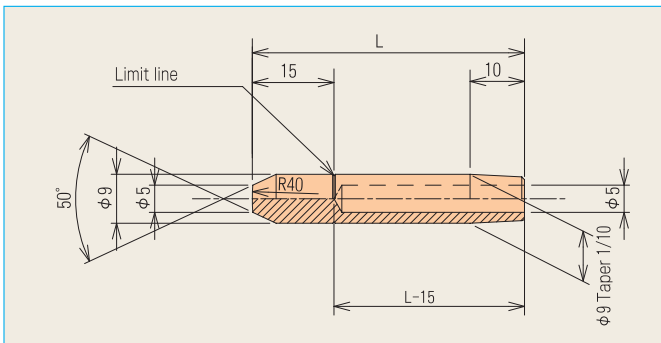


## Straight Tip

Order code

**SP-42B-L**

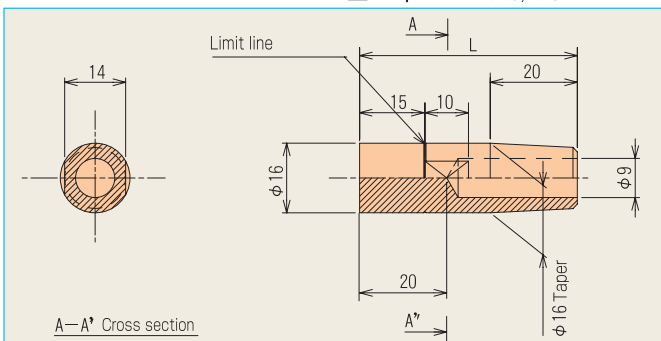
■ L size 30, 40, 50



Order code  
(Tip shape)  
(Outer diameter)

**F16 x L-Taper**

■ L size 50, 60, 70, 80  
■ Taper 1/10, 1/5

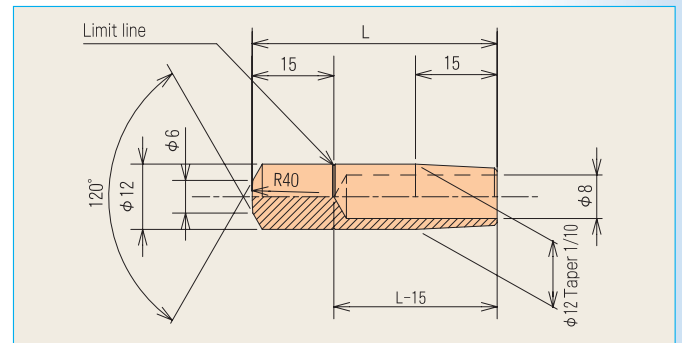


A-A' Cross section

Order code  
(Tip shape)  
(Outer diameter)

**C12 x L**

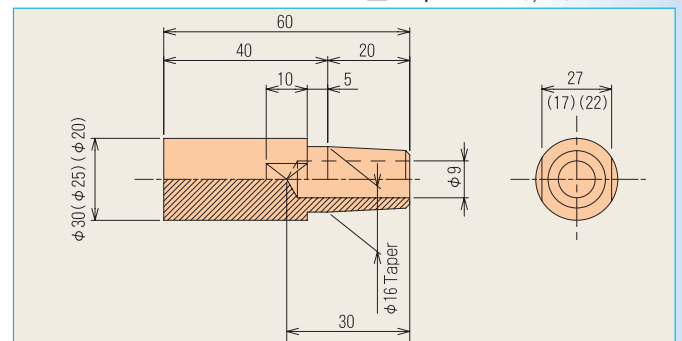
■ L size 40, 45, 50, 60, 70, 80



Order code  
(Tip shape)

**F Outer diameter x 60-Taper**

■ Outer diameter 20, 25, 30  
■ Taper 1/10, 1/5

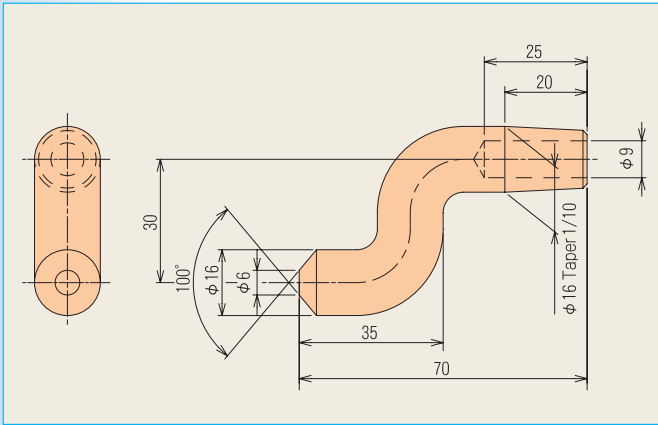


## Off set tip

● mark and blue letter means ordered product.

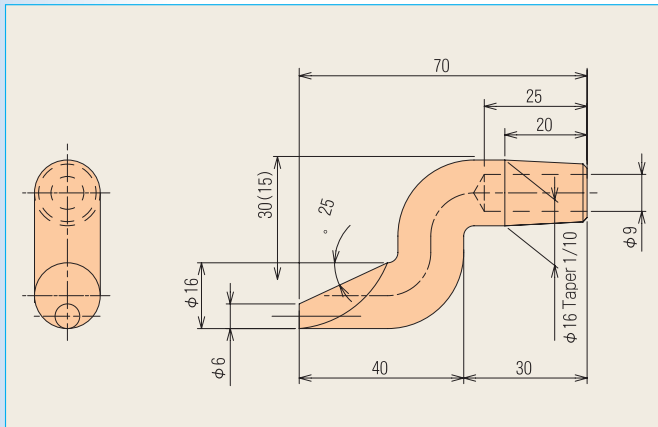
Order code

### Curved tip C16 × 30H-16<sup>1/10</sup>



Order code

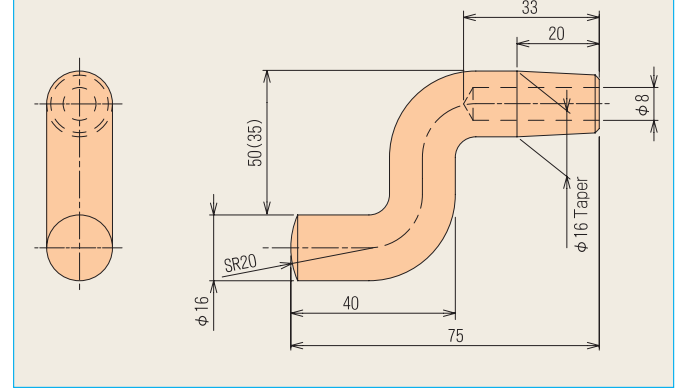
### Curved tip E16 × 15H-16<sup>1/10</sup> Curved tip E16 × 30H-16<sup>1/10</sup>



Order code

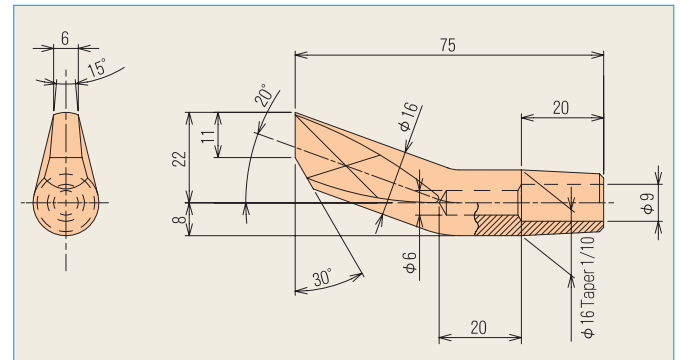
### Curved tip R16 × 35H- Taper Curved tip R16 × 50H- Taper

■ Taper 1/10 or 1/5 ●

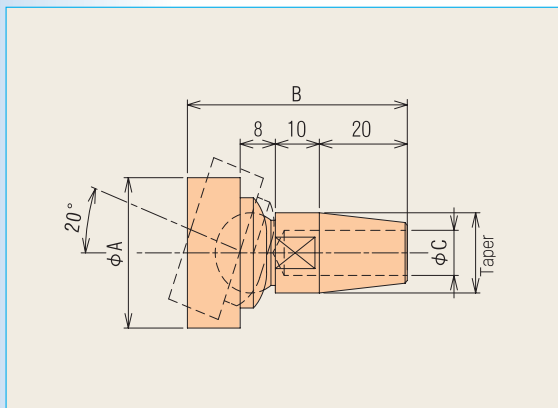


Order code

### Bent tip 16<sup>1/10</sup>●



## Swivel tip



Order code

### Swivrl tip Ø A × B - Taper

Unit : mm

Size			
A	B	C	Taper
25	45	7	12 <sup>1/10</sup>
25	50	9	16 <sup>1/10</sup> , 16 <sup>1/5</sup>
30	50	9	16 <sup>1/10</sup> , 16 <sup>1/5</sup>

## CuBe insert tip holder Insert tip

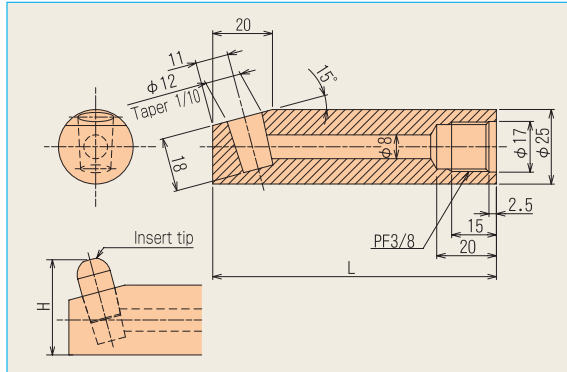
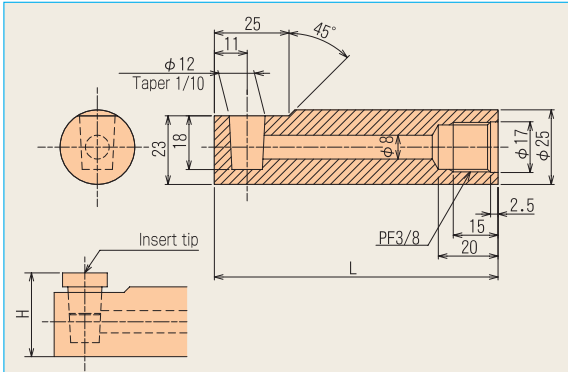
● mark and blue letter means ordered product.



▶ This is the same application with beryllium copper insert tip cap nut type.



▶ This match with small (narrow) work (object) welding as this has few joints that do not interfere to contact with work (welding object).



Order code **25** × Code - **90**°

Code	Size L
100	95
150	145
200	195

Order code **25** × Code - **15**°

All items ordered products

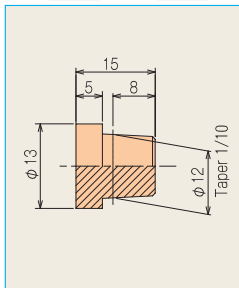
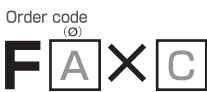
Code	Size L
100	95
150	145
200	195

Unit : mm

Insert tip	Size H
F13×15	32
F16×15	32
F16×24	37
F20×20	34
F20×24	37
C16×24	37
5A×22	34
5A×27	39
5A×32	44
5A×37	49

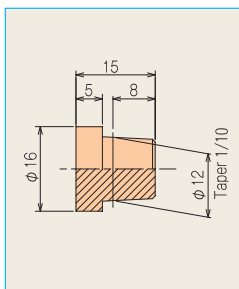
## Insert tip

● mark and blue letter means ordered product.



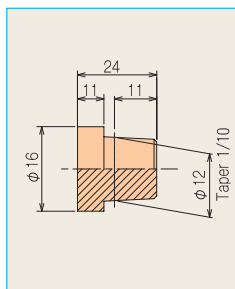
Unit : mm

Size		
A	B	C
13	5	15



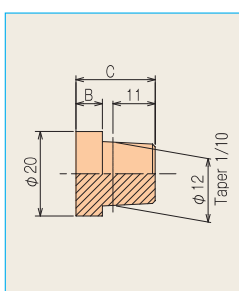
Unit : mm

Size		
A	B	C
16	5	15



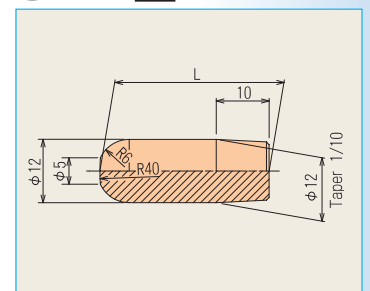
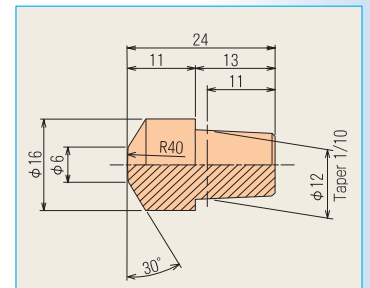
Unit : mm

Size		
A	B	C
16	11	24



Unit : mm

Size		
A	B	C
20	7	20
20	11	24



Unit : mm

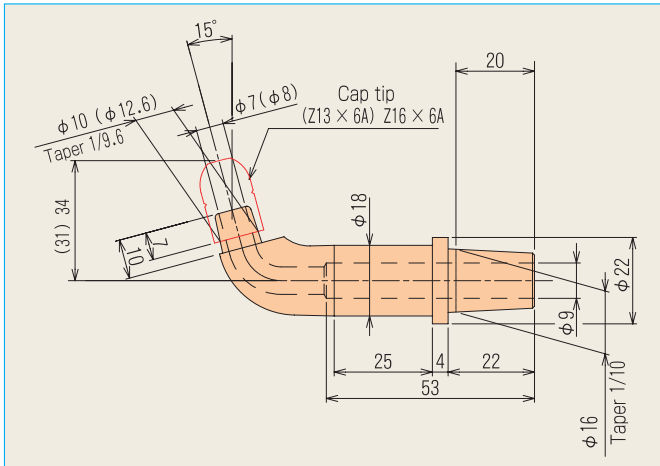
Size
L
22
27
32
37



## Gun shank

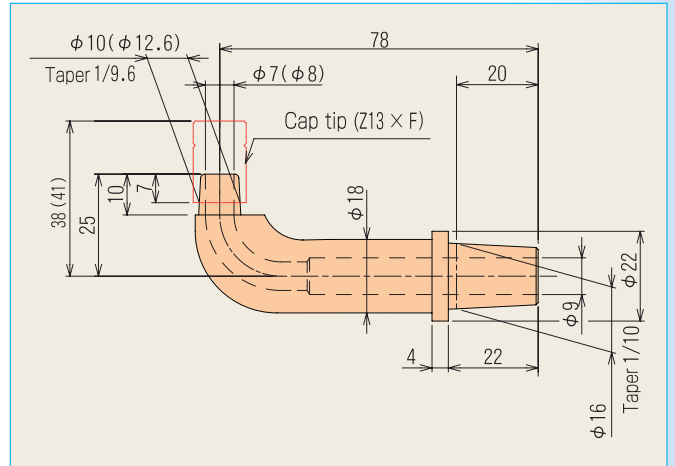
Order code

Gun shank  $\varnothing 13 \times 15^\circ$   
 Gun shank  $\varnothing 16 \times 15^\circ$



Order code

Gun shank  $\varnothing 13 \times 90^\circ$   
 Gun shank  $\varnothing 16 \times 90^\circ$



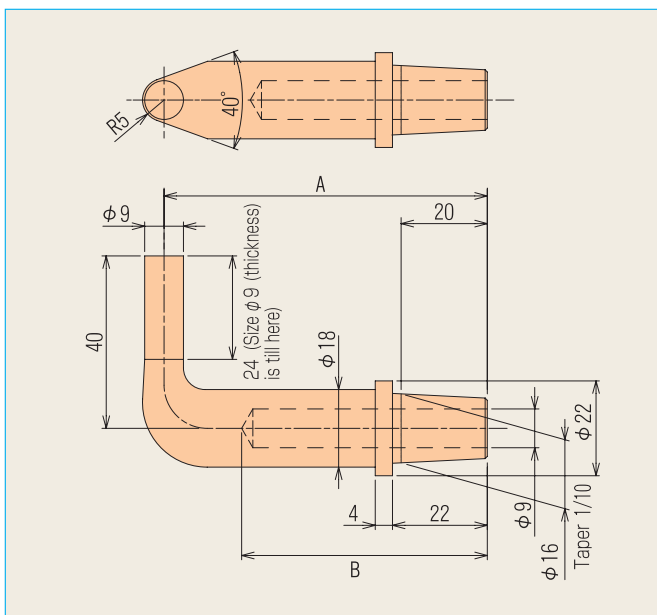
## Gun tip

### Application

- ▶ Gun tip (Gun shank) is inserted into the taper and is fixed with cap nut. Holder is inserted into the  $\varnothing 25$  part of BS insert holder and is fixed tightly with M10 bolt. This Gun tip is used for welding on Box shaped and C shaped products and also at the place Flanges (Walls) is locating.

### Features

- ▶ This is applicable to the product that cannot be welded directly.
- ▶ Gun shank allow to use Cap tip that is economical.
- ▶ This is stronger than L shaped holder and further have flexibility in adjustment on eccentricity that give application to wide range works (welding objects).

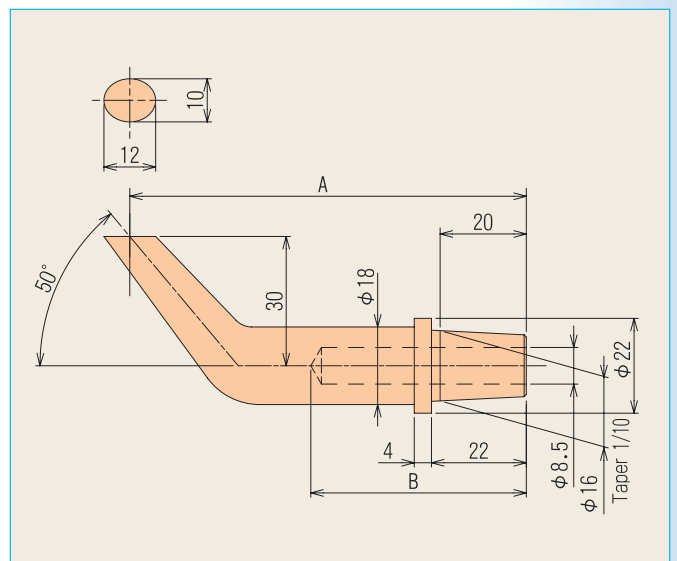


Order code

Gun tip **Code**

Unit : mm

Code	Size	
	A	B
X-25 Large	105	85
X-25 Small	75	57



Order code

Gun tip **Code**

Unit : mm

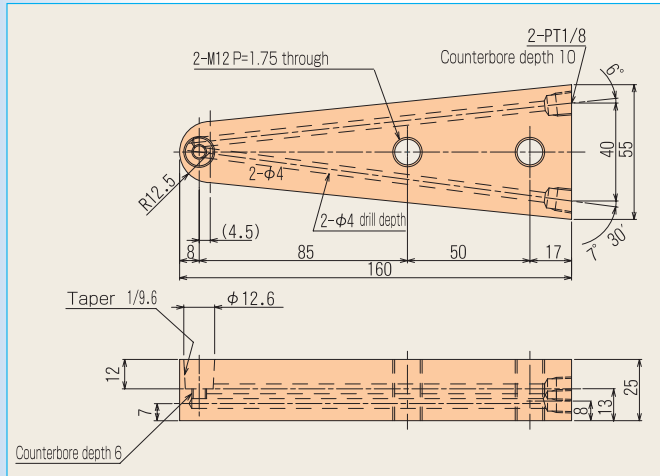
Code	Size	
	A	B
X-27 Large	132	90
X-27 Medium	112	70
X-27 Small	92	50

# Triangular holder

● mark and blue letter means ordered product.

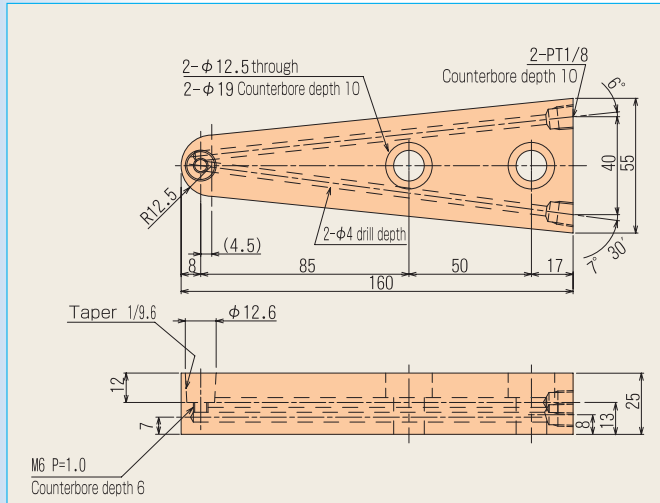
Order code

## Triangular holder 002 model-I ●



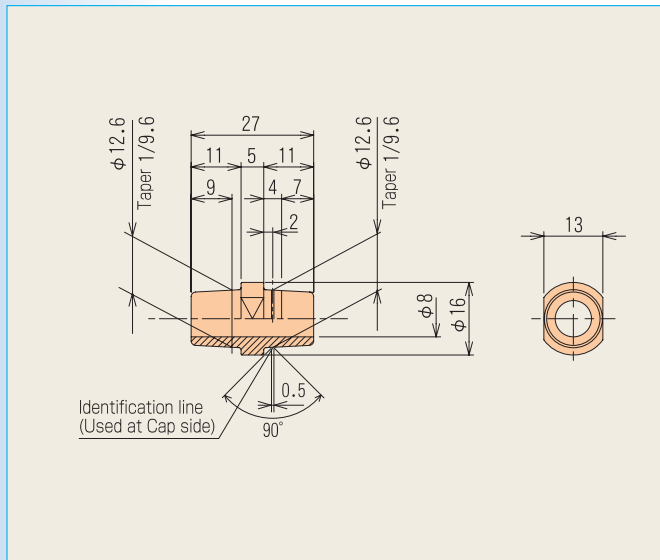
Order code

## Triangular holder 002 model-II



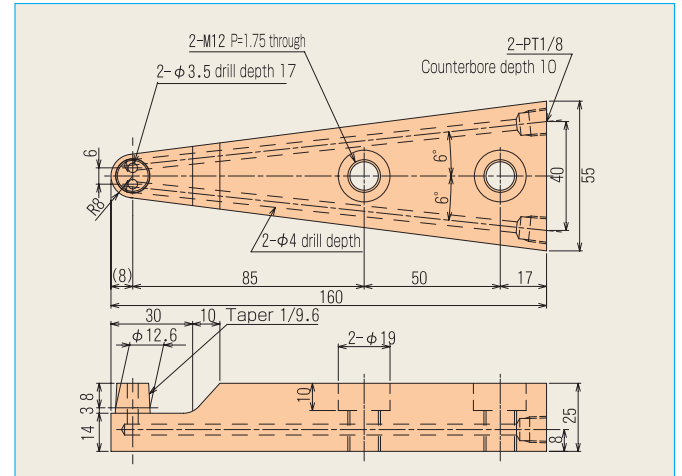
Order code

## Shank model 011 for Triangular holder



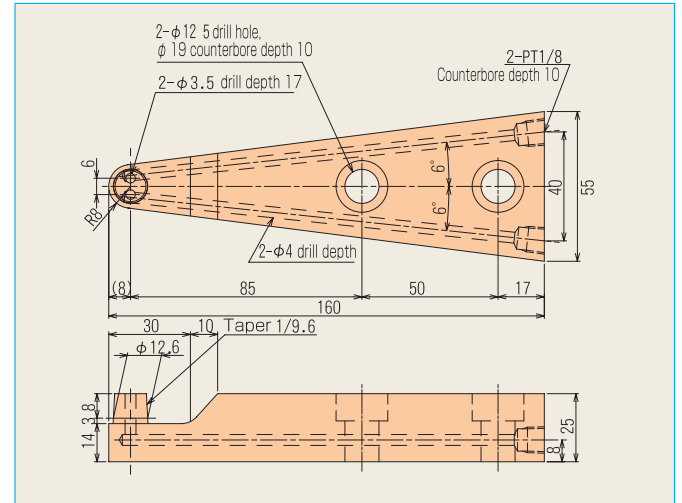
Order code

## Triangular holder 012 model-I ●



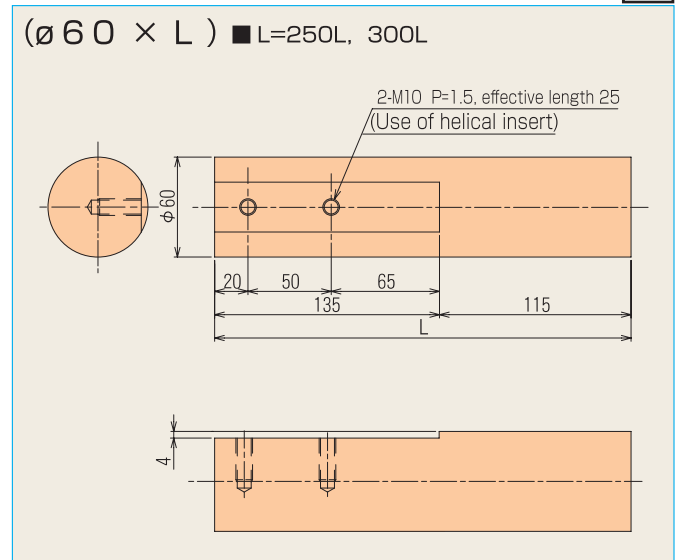
Order code

## Triangular holder 012 model-II



Order code

## BS Horn for Triangular holder L



## BS horn

Order code **BS horn** Code

Regular stock

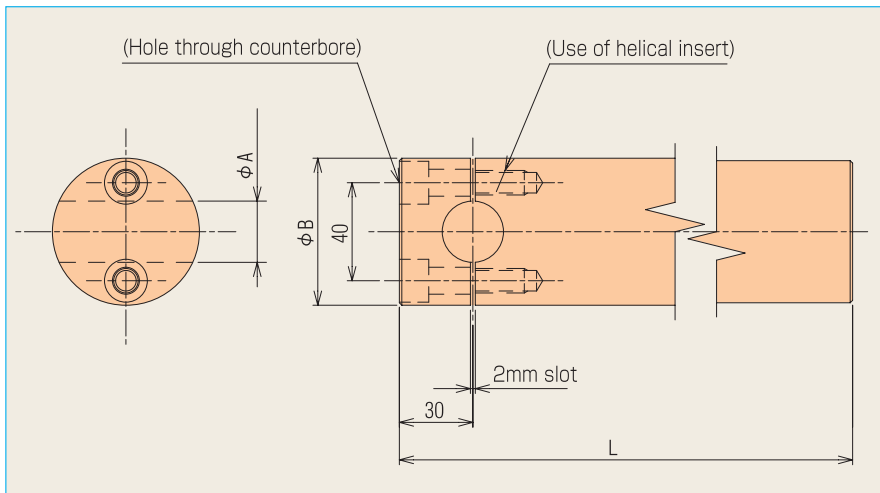
Unit : mm

Code	Size	
	B	L
Ø60 × 200	60	200
Ø60 × 250	60	250
Ø60 × 300	60	300
Ø60 × 350	60	350
Ø60 × 400	60	400

Product by order

Unit : mm

Size and terms	
A	Ø25 Ø32
L	Option
B	Ø55—M8 two screws fixing
B	Ø70—M10 two screws fixing
B	Ø80—M12 two screws fixing
B	Ø80—M10 four screws fixing



## BS shifting holder

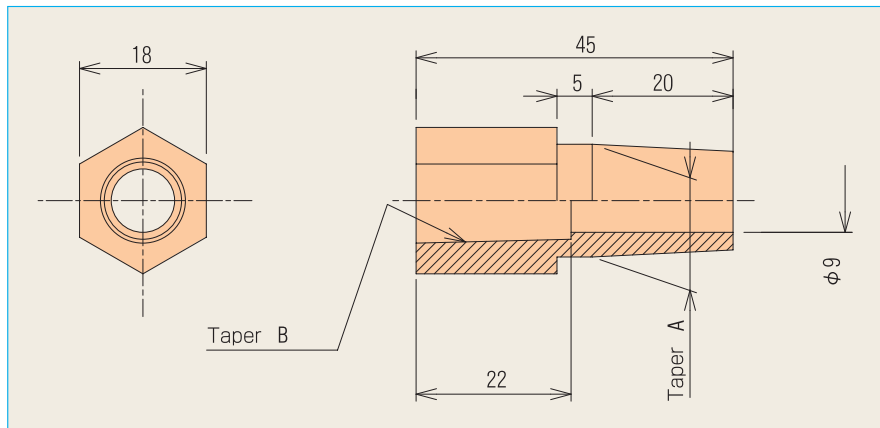
Order code

**BS shifting holder** Code

BS hexagonal material

Unit : mm

Code	Size	
	A	B
16 <sup>1</sup> / <sub>10</sub> → 12 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>10</sub>	12 <sup>1</sup> / <sub>10</sub>
16 <sup>1</sup> / <sub>5</sub> → 12 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>5</sub>	12 <sup>1</sup> / <sub>10</sub>
16 <sup>1</sup> / <sub>10</sub> → 12MT1	16 <sup>1</sup> / <sub>10</sub>	12MT1
16 <sup>1</sup> / <sub>5</sub> → 12MT1	16 <sup>1</sup> / <sub>5</sub>	12MT1



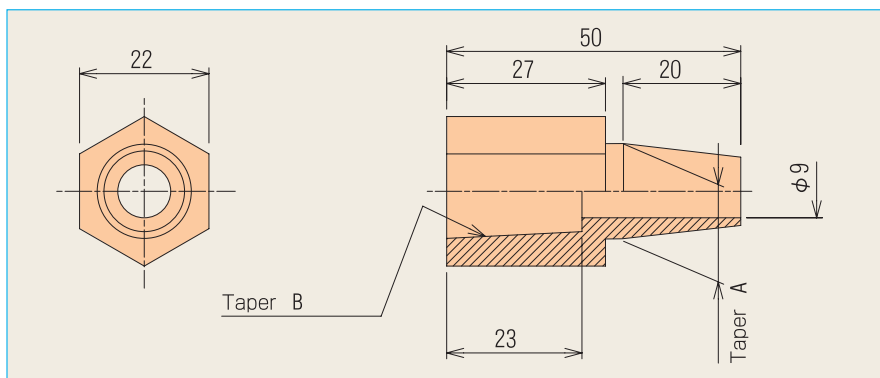
Order code

**BS shifting holder** Code

BS

Unit : mm

Code	Size	
	A	B
16 <sup>1</sup> / <sub>5</sub> → 16 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>5</sub>	16 <sup>1</sup> / <sub>10</sub>
16 <sup>1</sup> / <sub>10</sub> → 16 <sup>1</sup> / <sub>5</sub>	16 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>5</sub>
16 <sup>1</sup> / <sub>10</sub> → 16MT2	16 <sup>1</sup> / <sub>10</sub>	16MT2
16MT2 → 16 <sup>1</sup> / <sub>10</sub>	16MT2	16 <sup>1</sup> / <sub>10</sub>



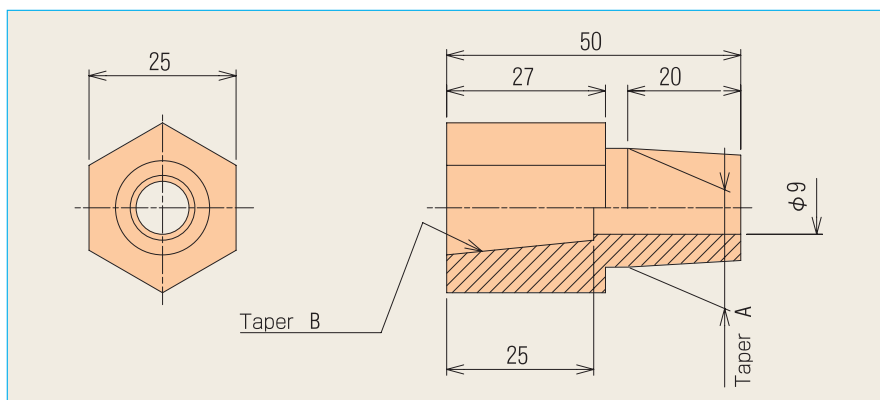
Order code

**BS shifting holder** Code

BS

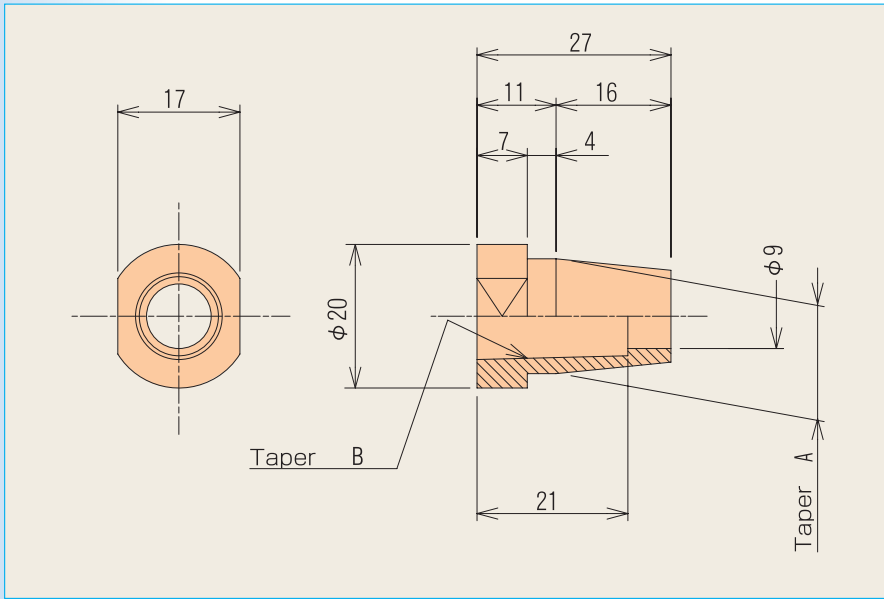
Unit : mm

Code	Size	
	A	B
20 <sup>1</sup> / <sub>10</sub> → 16 <sup>1</sup> / <sub>5</sub>	20 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>5</sub>
20 <sup>1</sup> / <sub>10</sub> → 16 <sup>1</sup> / <sub>10</sub>	20 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>10</sub>
20 <sup>1</sup> / <sub>5</sub> → 16 <sup>1</sup> / <sub>10</sub>	20 <sup>1</sup> / <sub>5</sub>	16 <sup>1</sup> / <sub>10</sub>
20 <sup>1</sup> / <sub>5</sub> → 16 <sup>1</sup> / <sub>5</sub>	20 <sup>1</sup> / <sub>5</sub>	16 <sup>1</sup> / <sub>5</sub>
20 <sup>1</sup> / <sub>10</sub> → 16MT2	20 <sup>1</sup> / <sub>10</sub>	16MT2



## CuCr shifting holder

● mark and blue letter means ordered product.



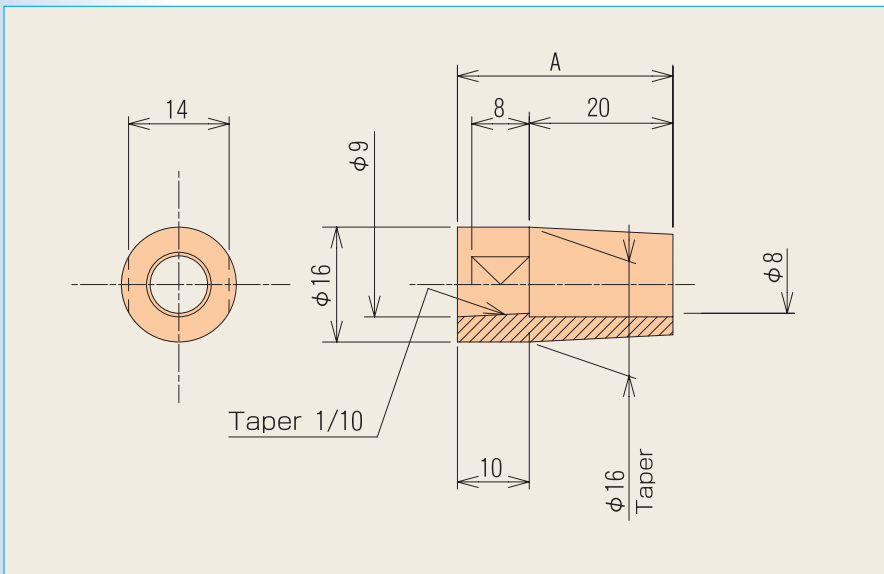
Order code

### CuCr shifting holder Code

Unit : mm

Code	Size	
	A	B
16 <sup>1</sup> / <sub>10</sub> → 12 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>10</sub>	12 <sup>1</sup> / <sub>10</sub>
16 <sup>1</sup> / <sub>5</sub> → 12 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>5</sub>	12 <sup>1</sup> / <sub>10</sub>
16MT2 → 12 <sup>1</sup> / <sub>10</sub>	16MT2	12 <sup>1</sup> / <sub>10</sub>
16 <sup>1</sup> / <sub>10</sub> → 12MT1	16 <sup>1</sup> / <sub>10</sub>	12MT1
16 <sup>1</sup> / <sub>5</sub> → 12MT1	16 <sup>1</sup> / <sub>5</sub>	12MT1
16MT2 → 12MT1	16MT2	12MT1
20 <sup>1</sup> / <sub>5</sub> → 16 <sup>1</sup> / <sub>5</sub>	20 <sup>1</sup> / <sub>5</sub>	16 <sup>1</sup> / <sub>5</sub>
20 <sup>1</sup> / <sub>5</sub> → 16 <sup>1</sup> / <sub>10</sub>	20 <sup>1</sup> / <sub>5</sub>	16 <sup>1</sup> / <sub>10</sub>
20 <sup>1</sup> / <sub>10</sub> → 16 <sup>1</sup> / <sub>5</sub>	20 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>5</sub> ●
20 <sup>1</sup> / <sub>10</sub> → 16 <sup>1</sup> / <sub>10</sub>	20 <sup>1</sup> / <sub>10</sub>	16 <sup>1</sup> / <sub>10</sub>

## Shifting holder



Order code

### SP-42A-Code - Taper

Unit : mm

Code	Taper	Size
		A
30	16 <sup>1</sup> / <sub>10</sub> , 16 <sup>1</sup> / <sub>5</sub>	30
40	16 <sup>1</sup> / <sub>10</sub> , 16 <sup>1</sup> / <sub>5</sub>	40
50	16 <sup>1</sup> / <sub>10</sub> , 16 <sup>1</sup> / <sub>5</sub>	50

All items ordered products