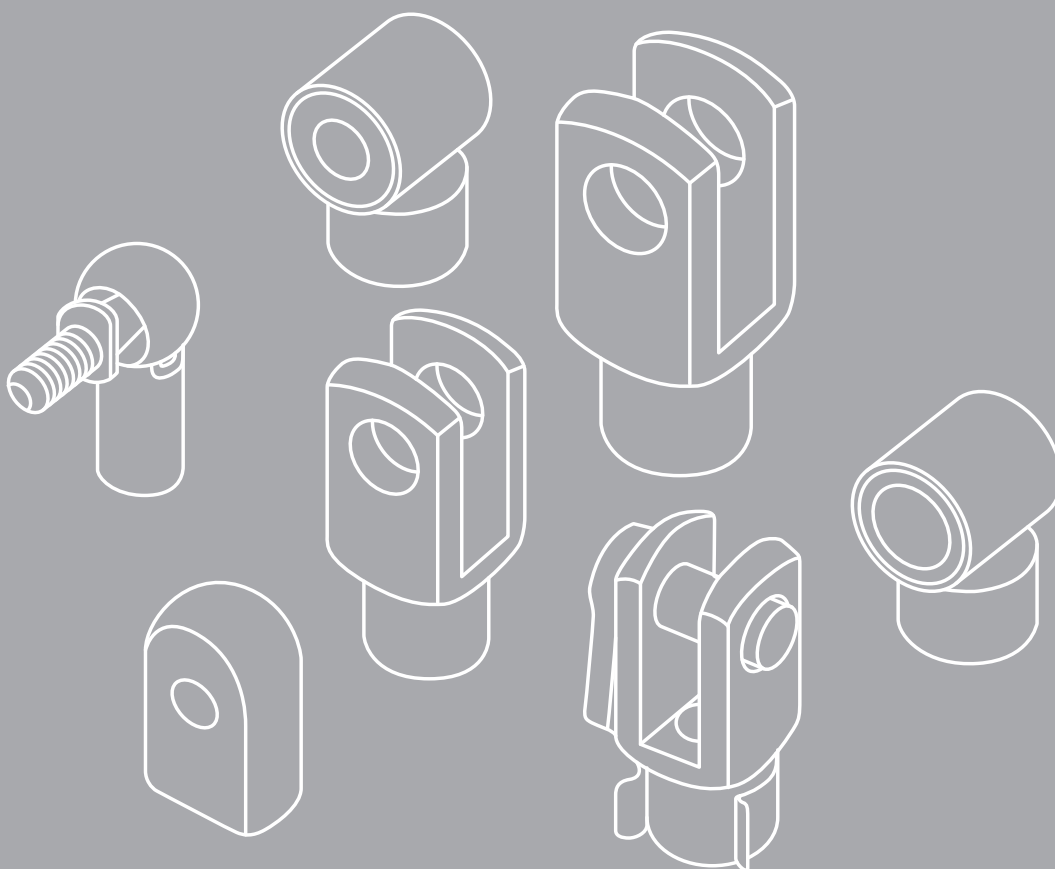




ATTACCHI E STAFFE IN ACCIAIO

STEEL END FITTINGS AND BRACKETS

ATTACCHI E STAFFE IN ACCIAIO INOX

STAINLESS STEEL END FITTINGS AND BRACKETS

INDICE

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PAG. 5	FILETTI E ATTACCHI FORATI / screws and eyelets
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CATALOGO ATTACCHI E STAFFE

Il presente catalogo riassume tutti gli attacchi e le staffe disponibili nella gamma standard e AISI.

L'individuazione dell'attacco più appropriato per la molla a gas è fondamentale per il corretto funzionamento dell'applicazione e per la durata nel tempo della molla stessa.

La scelta dell'attacco determina la lunghezza tutto aperto (LTA) della molla che viene misurata nel seguente modo:

- nel caso di attacchi forati, viene misurato l'interasse fori;
- nel caso di attacchi snodati si considera l'interasse da centro sfera a centro sfera;
- nel caso di filetti si considera la base filetti (filetti esclusi);

Vapsint sviluppa assieme ai suoi clienti nuovi attacchi speciali ridefinendo quindi gli standard ed ampliando la gamma offerta.

Edizione 06/2021 - Rev. 1

END FITTINGS AND BRACKETS CATALOGUE

This catalogue summarizes all the end fittings and brackets available in the standard range and in the stainless steel range.

The identification of the most appropriate end fittings for the gas spring guarantee the proper functioning of the application and the life of the gas spring itself.

The choice of the end fittings determines the fully open length (LTA) of the gas spring which is measured in the following way:

- eyelet, is measured by the distance between holes;
- ball joints is measured by the distance from the center to center of the spheres;
- without end fittings the length of screws is not considered;

Vapsint develops with its customers new special end fittings redefining standards and widening the range of products.

Release 06/2021 - Rev. 1

LEGENDA / key



TIPOLOGIE CODICE / type of code

COD**CODICE PRODOTTO**
/ product code**SUB****CODICE PRODOTTO DA SOSTITUIRE**
/ old product code

C DIAMETRO CILINDRO / cylinder diameter (12, 15, 19, 22, 28, 40 mm)

C.12**C.15****C.19****C.22****C.28****C.40**

S DIAMETRO STELO / rod diameter (4, 6, 8, 10, 14, 20 mm)

S.4**S.6****S.8****S.10****S.14****S.20**

M MATERIALE / material

M.I**INOX AISI316L**
/ stainless steel**M.M****METALLO**
/ metal**M.P****PLASTICA**
/ plastic**M.Z****ZAMAK**
/ zamak

F FINITURE / finishing

F.B**NERO**
/ black**F.G****GRIGIO**
/ grey**F.Z****ZINCO**
/ zinc**F.N****NITRURATO**
/ nitrided**F.EL****ELETTROLUCIDATO**
/ electropolished

ESEMPIO DI LETTURA DATI TECNICI / how to read the catalogue

COME LEGGERE IL CATALOGO ATTACCHI

A fianco del disegno relativo all'attacco si trova il nuovo codice attacco che sostituisce il vecchio codice.

Nelle caselle sottostanti vengono indicate le compatibilità dell'attacco con diametro corpo (C) e diametro stelo (S), il materiale con cui l'attacco è realizzato e la sua finitura.

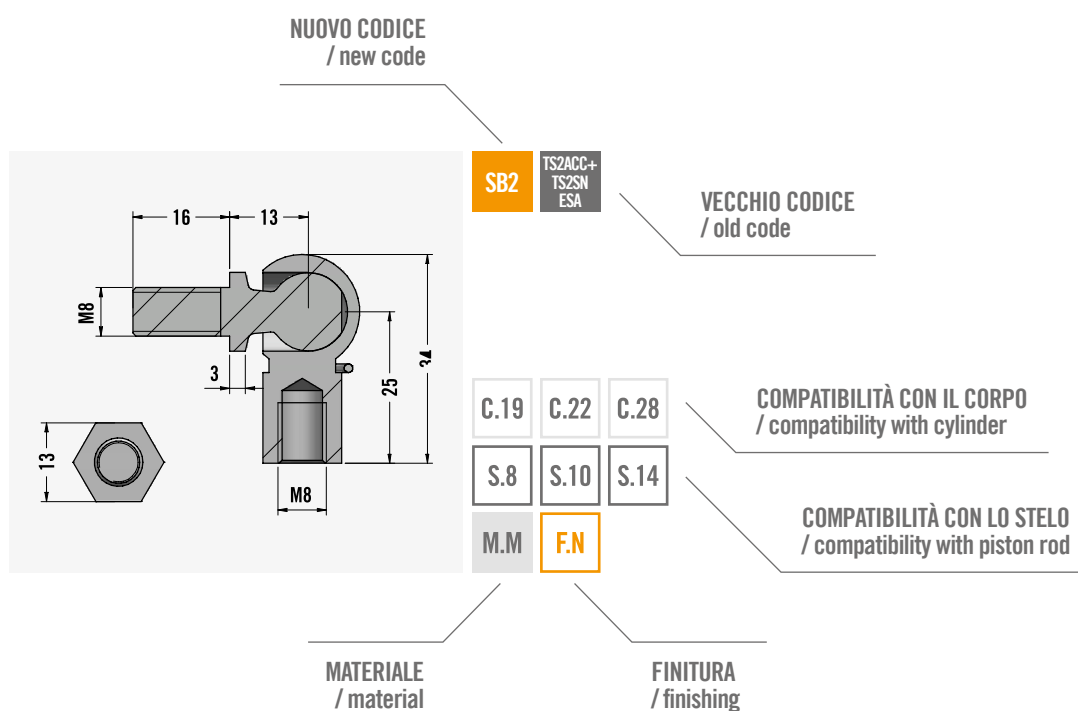
In taluni casi viene segnalata la forza massima (F1) che la molla a gas può avere relativamente all'attacco individuato.

HOW TO READ THE END FITTINGS CATALOGUE

Besides drawing of the end fitting you will find the new code that replaces the old one.

In the boxes below are indicated compatibilities with the cylinder diameters (C) and with the piston rod diameters (S), the material with which the end fittings is made and its finishing.

In certain cases is signaled the maximum force (F1) that the gas spring can have relatively to the identified end fitting.



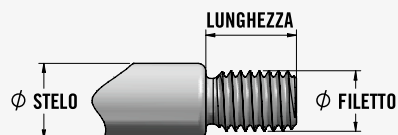
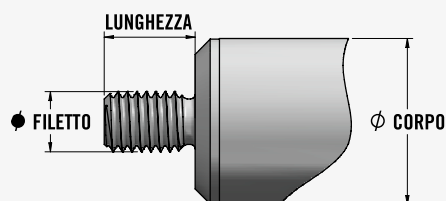
Tutti i disegni degli attacchi presentati nelle pagine seguenti sono realizzati in scala 1:1 per facilitarne l'identificazione.

All drawings of the end fittings in the following pages are in 1:1 scale that makes them easily identifiable.

FILETTI E ATTACCHI FORATI

/ screws and eyelets

/ G	/ FI	pag. 6	
/ B	/ BS	pag. 8	
/ C	/ FC	pag. 10	
/ F	/ RF	pag. 12	
/ R	/ RS	pag. 15	
/ T	/ TF	pag. 16	
/ Z	/ TZ	pag. 20	

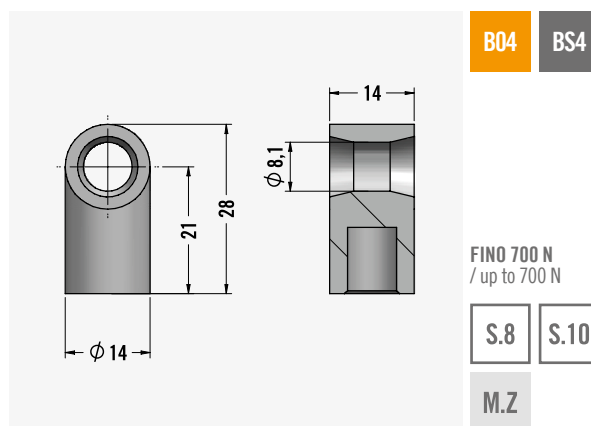
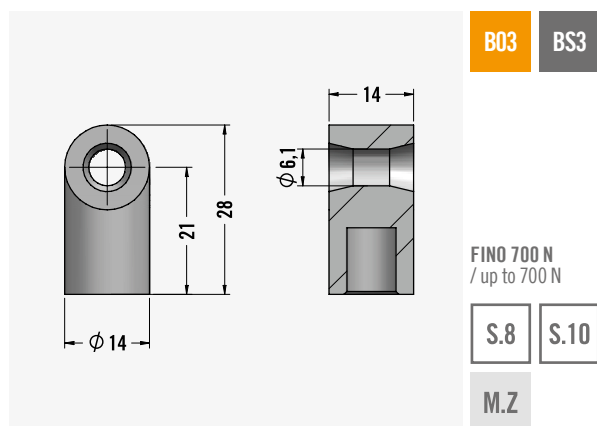
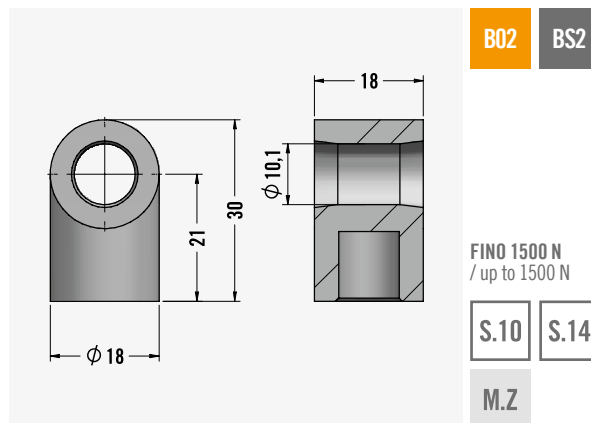
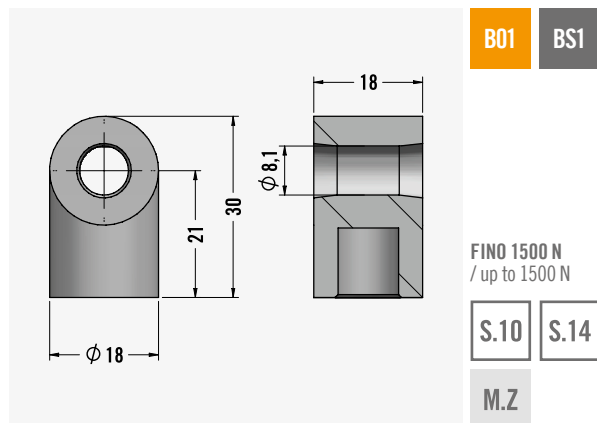


CODICE / code	FILETTO / thread	LUNGHEZZA / length	DIAMETRO CORPO / diameter body	DIAMETRO STELO / diameter rod	MATERIALI / materials
G45	M4	5 mm	12	4	M.M
G57	M5	7 mm	15 / 19	6 / 8	M.M
G50	M5	10 mm	15 / 19	6 / 8	M.M
G60	M6	10 mm	15 / 19 / 22	6 / 8 / 10	M.M
G68	M6	8 mm	15 / 19 / 22	6 / 8 / 10	M.M
G81	M8	10 mm	19 / 22 / 28	8 / 10 / 14	M.M
G88	M8	8 mm	19 / 22 / 28	8 / 10 / 14	M.M
G11	M10	10 mm	22 / 28	10 / 14	M.M
G16	M10	16 mm	22 / 28	10 / 14	M.M
GB5	M12	15 mm	40	14 / 20	M.M
GD5	M14x2	15 mm	40	14 / 20	M.M
GD6	M14x1,5	15 mm	40	14 / 20	M.M

BOCCOLE PRESSATE

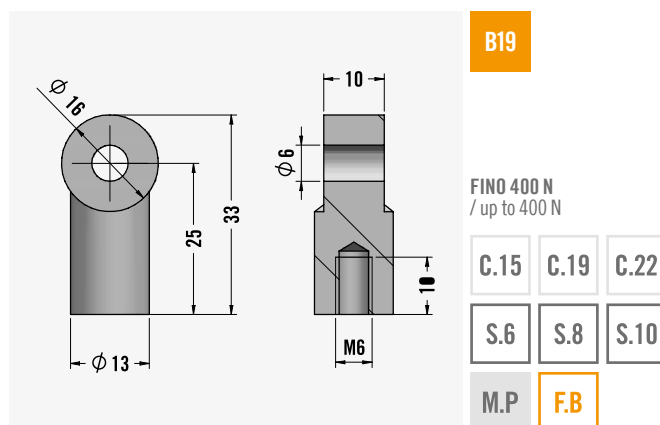
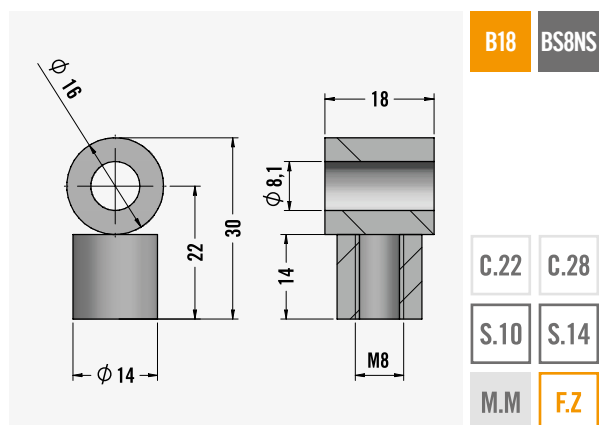
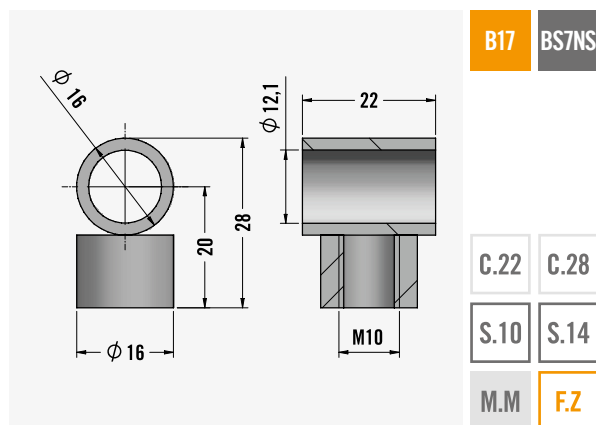
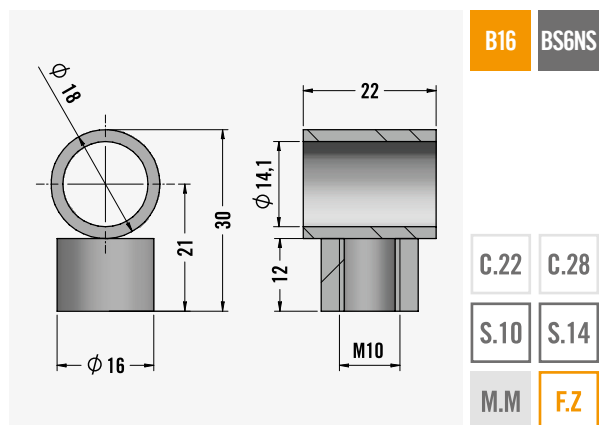
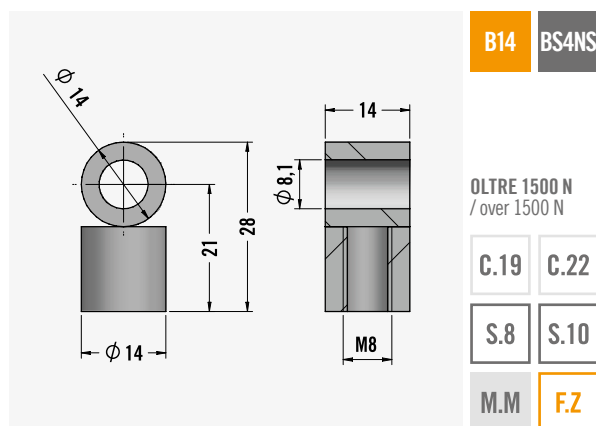
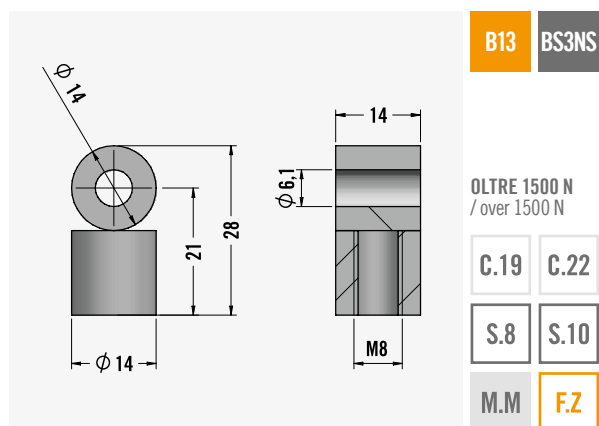
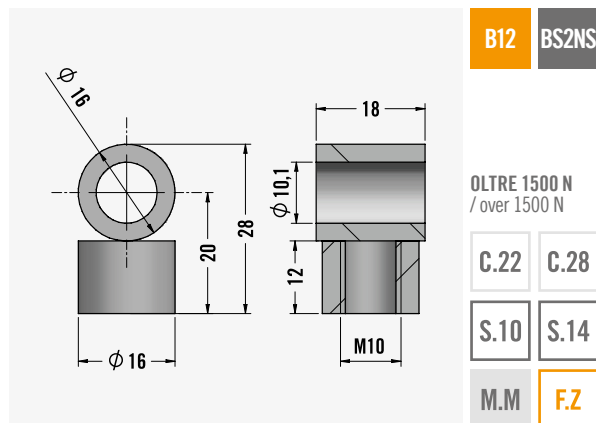
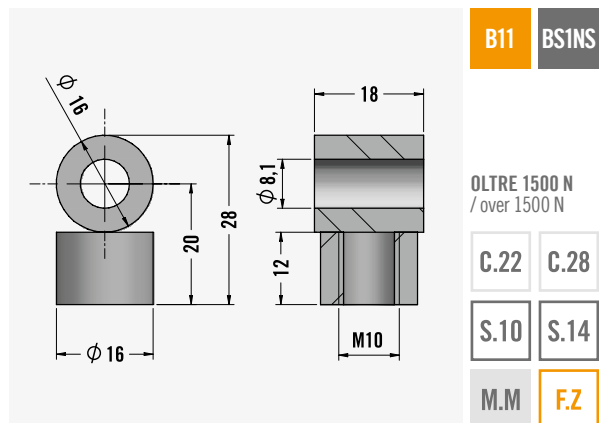
/ pressed T-shape end fittings

/ B



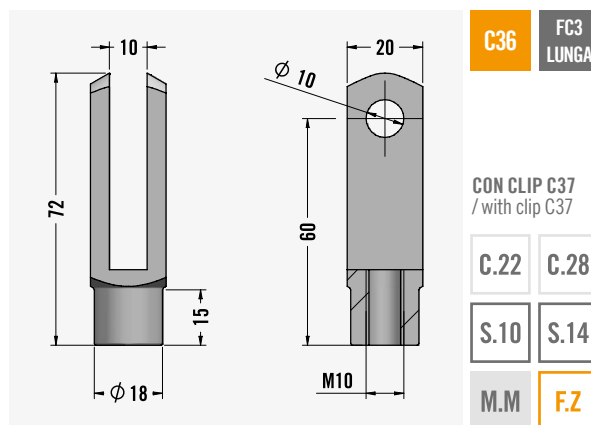
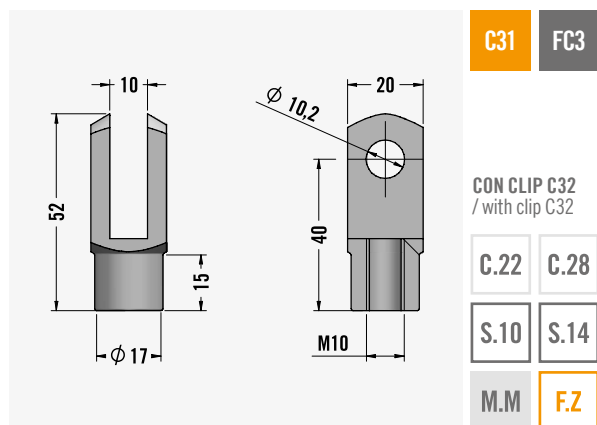
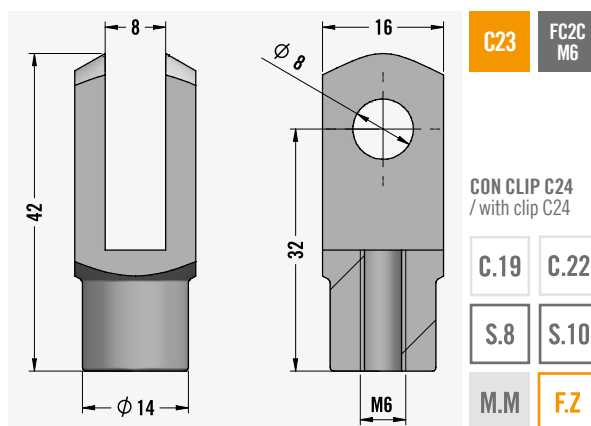
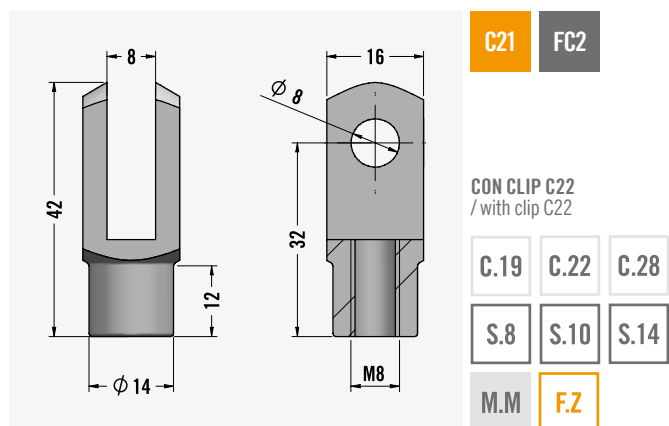
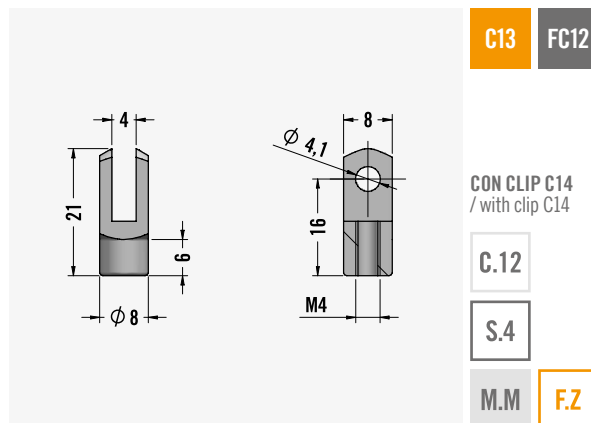
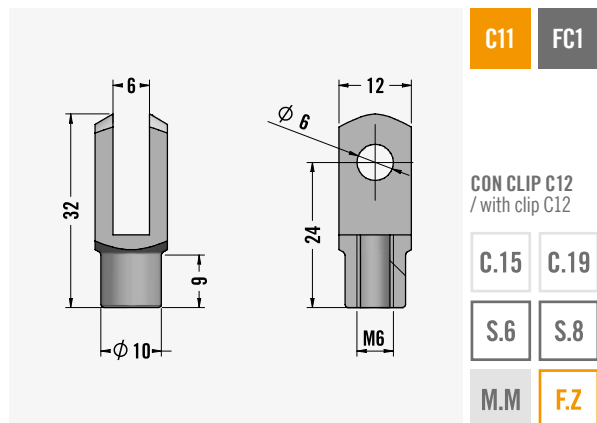
/ B

BOCCOLE FILETTATE / screwed T-shape end fittings

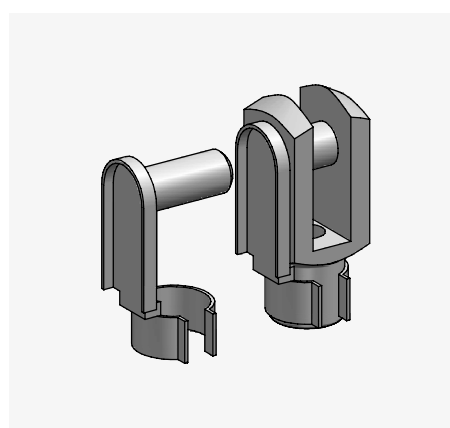
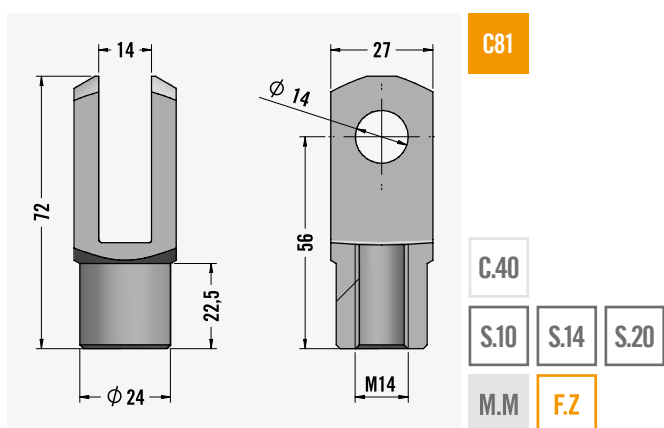
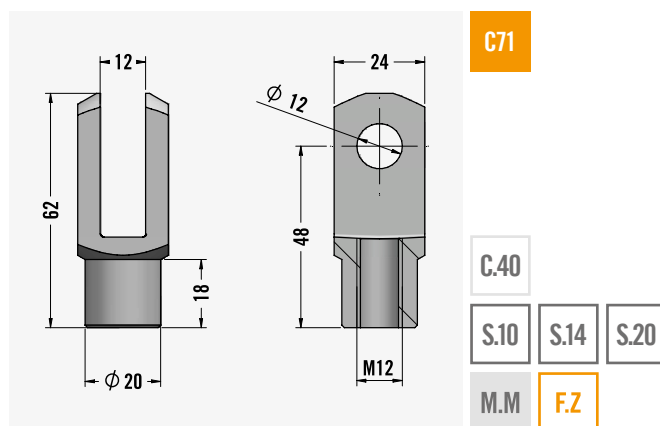
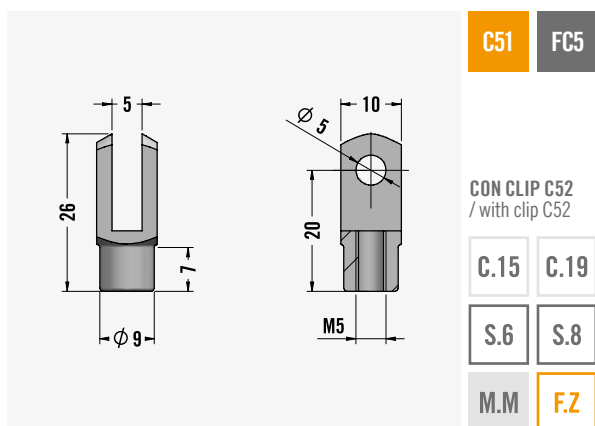


FORCELLE FILETATE / screwed clevises-forks

/ C

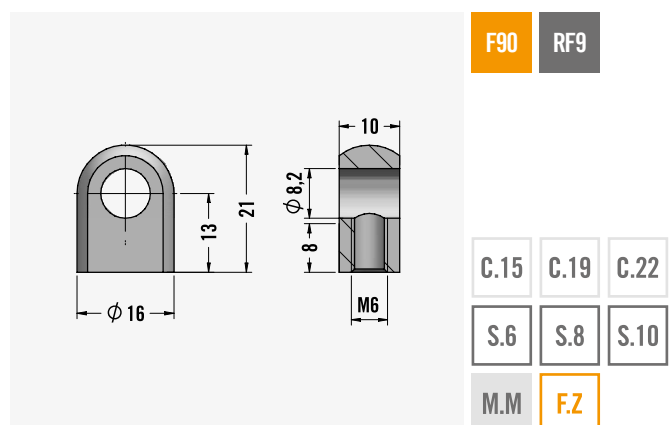
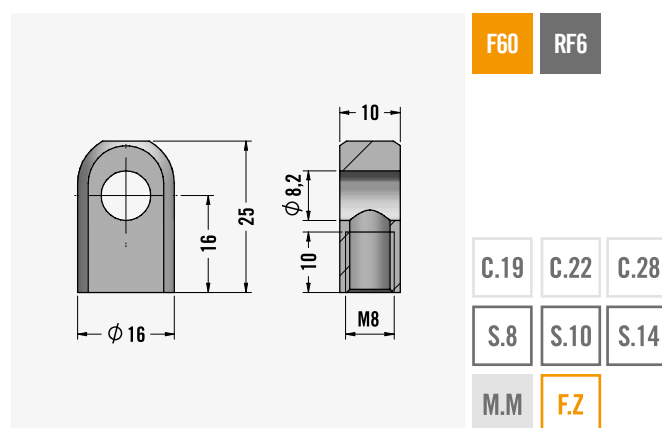
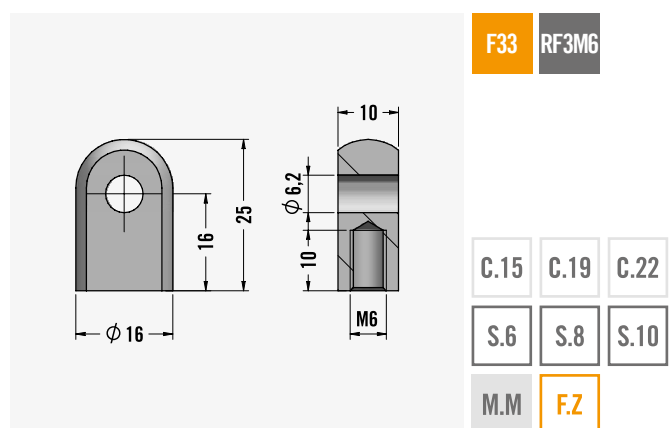
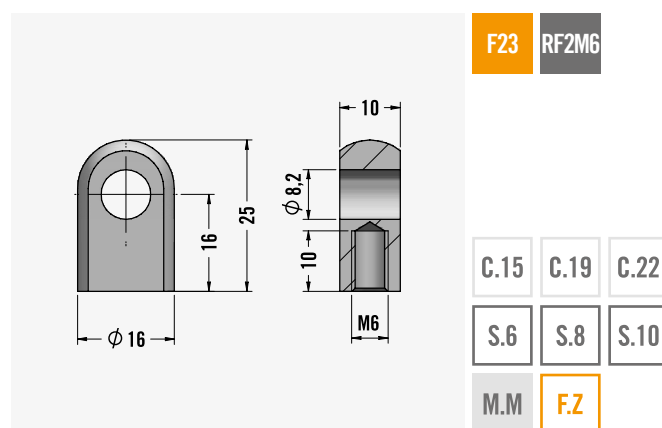
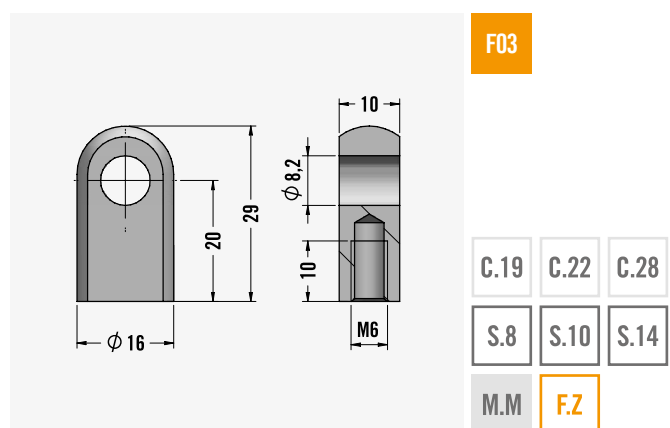
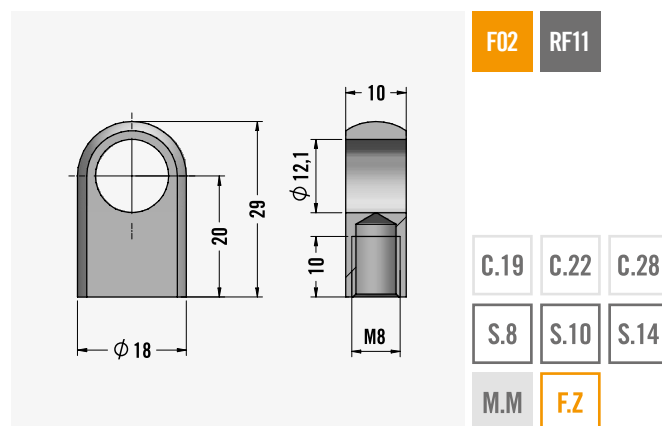
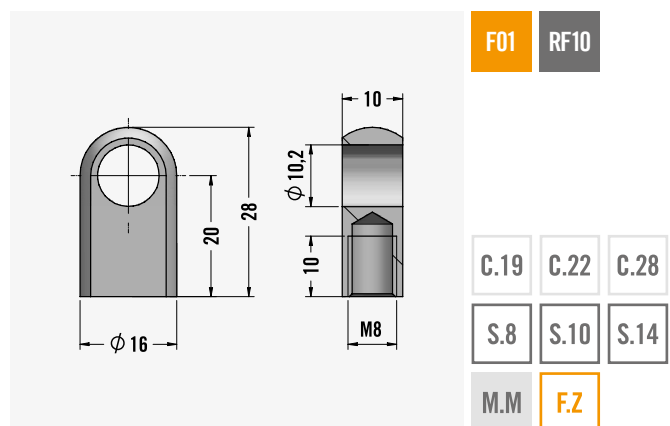


/C

FORCELLE FILETTATE
 / screwed clevises-forks


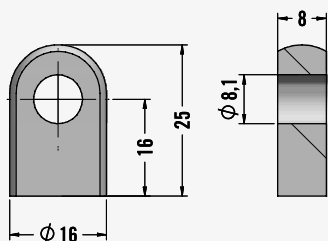
OCCHIELLI FILETTATI / screwed eyelets

/ F





/F

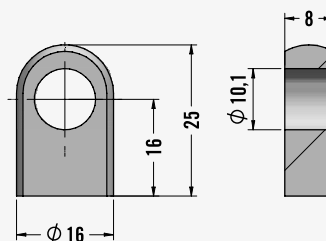
OCCHIELLI SALDATI
 / welded eyelets
F10**RF1**

C.19

C.22

C.28

M.M

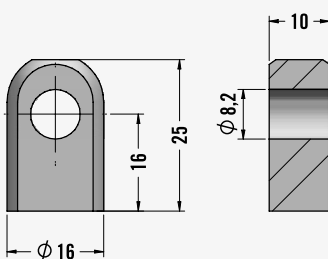
F11**RF1A**

C.19

C.22

C.28

M.M

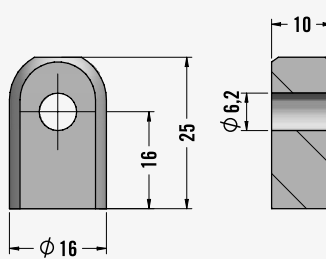
F20**RF2**

C.19

C.22

C.28

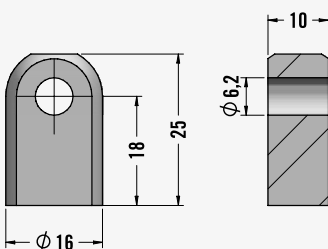
M.M

F30**RF3**

C.19

C.22

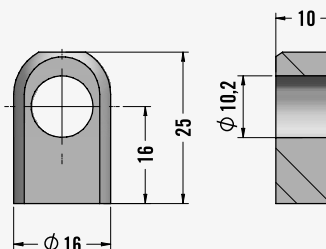
M.M

F31**RF3A**

C.19

C.22

M.M

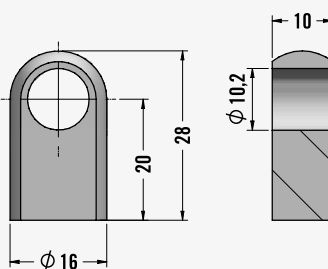
F32**RF3B**

C.19

C.22

C.28

M.M

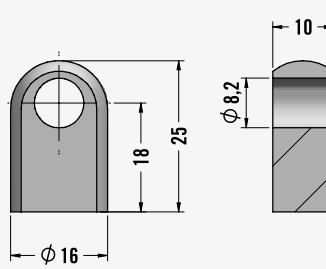
F1S**RF10S**

C.19

C.22

C.28

M.M

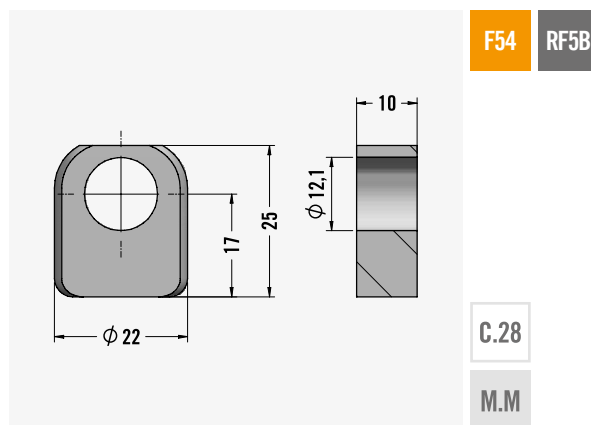
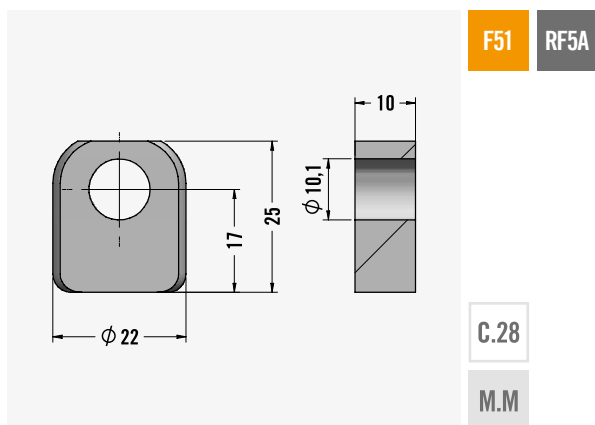
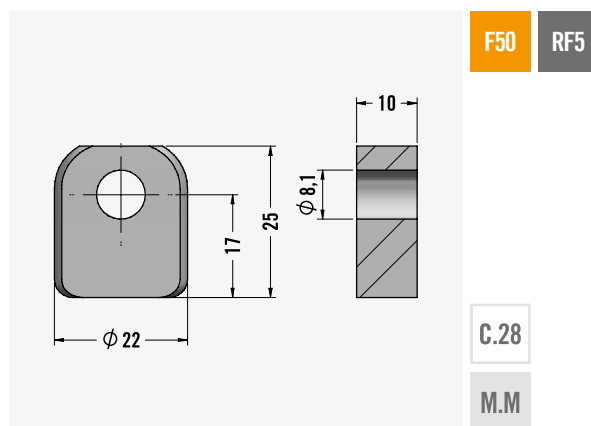
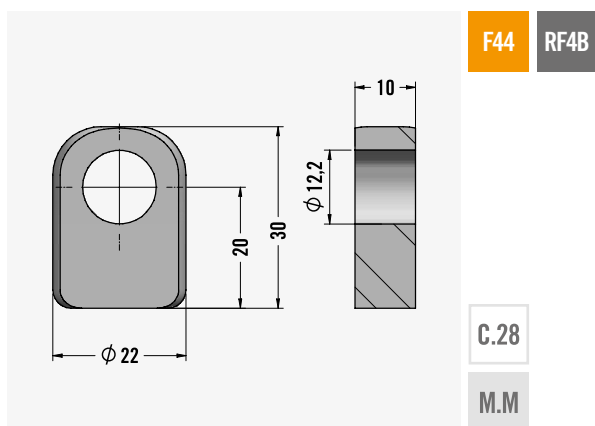
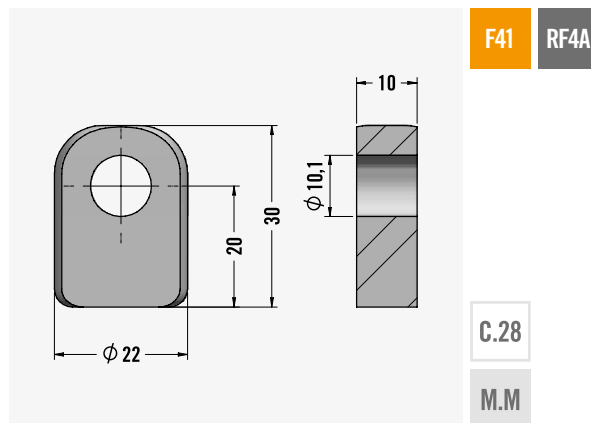
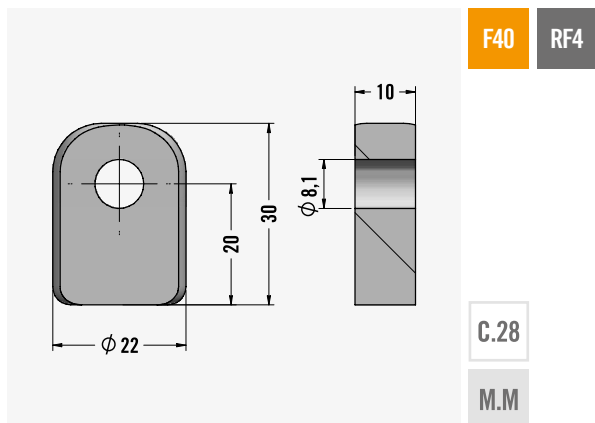
F22**RF2A**

C.19

C.22

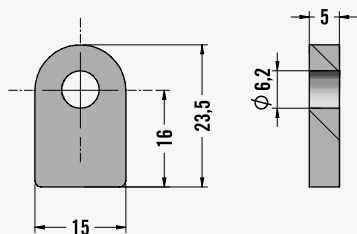
C.28

M.M





/ R

OCCHIELLI SALDATI
 / welded eyelets
R10**RS1**

C.15

C.19

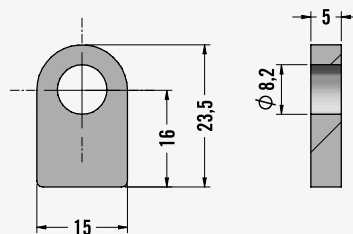
C.22

S.6

S.8

S.10

M.M

R20**RS2**

C.15

C.19

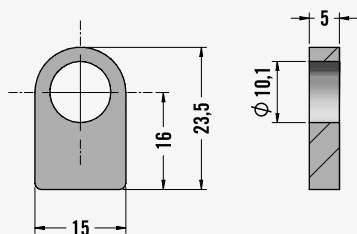
C.22

S.6

S.8

S.10

M.M

R21**RS2F10**

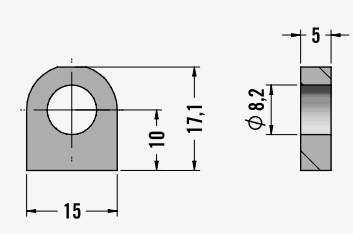
C.19

C.22

S.8

S.10

M.M

R23**RS2C**

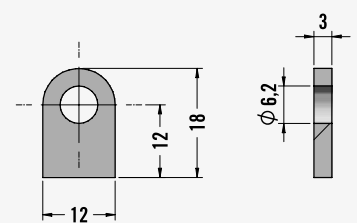
C.19

C.22

S.8

S.10

M.M

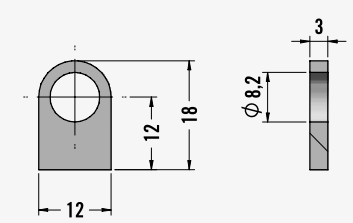
R30**RS3**

C.15

C.19

S.6

M.M

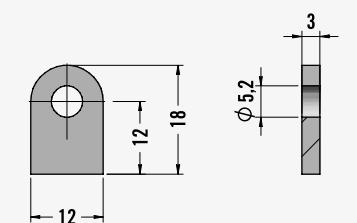
R32**RS3B**

C.15

C.19

S.6

M.M

R35

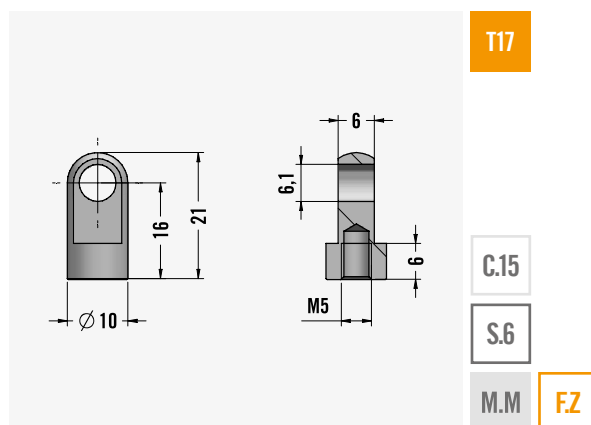
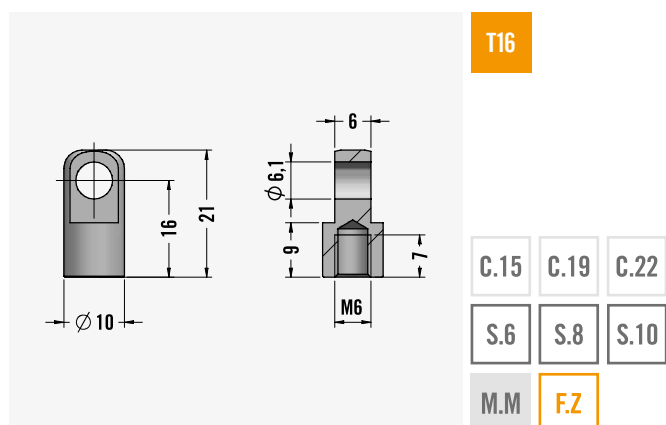
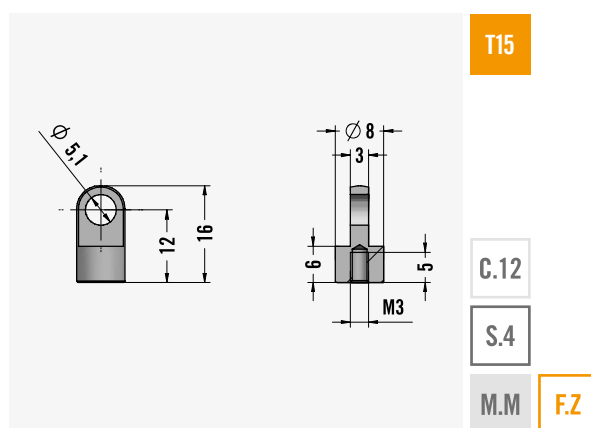
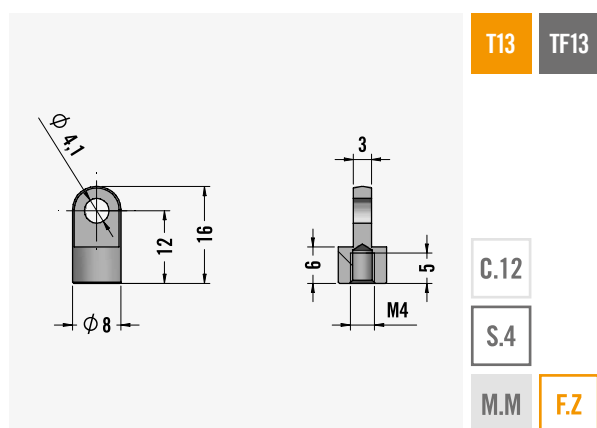
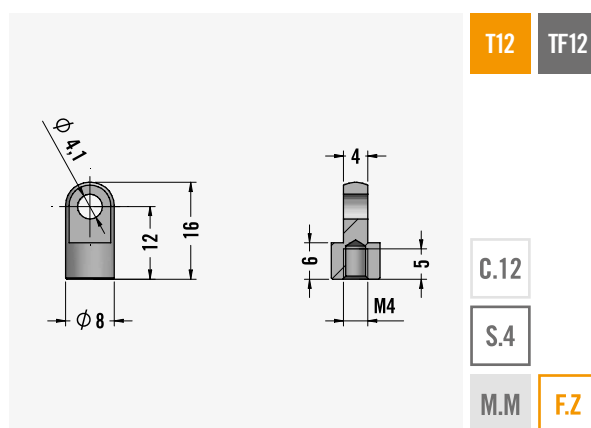
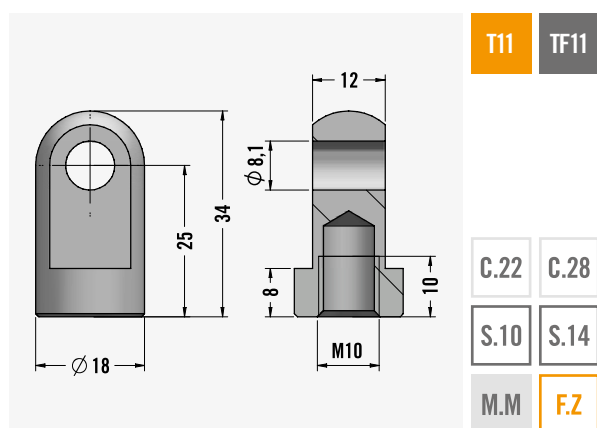
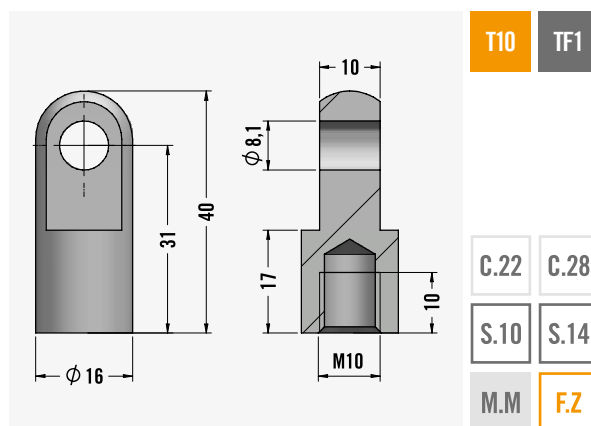
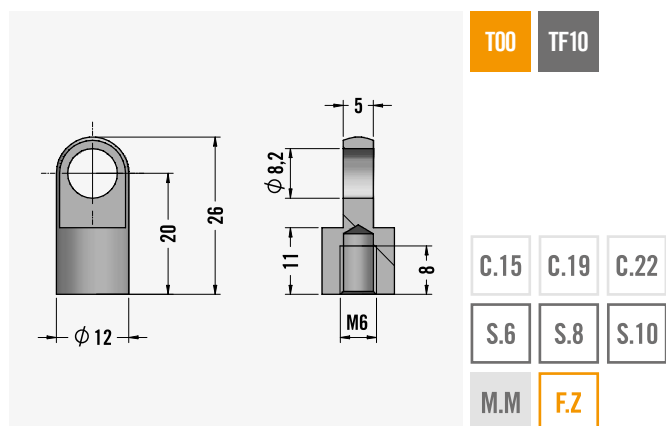
C.15

S.6

M.M

OCCHIELLI FILETTATI / screwed eyelets

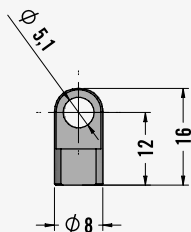
/T



/T

OCCHIELLI FILETTATI

/ screwed eyelets



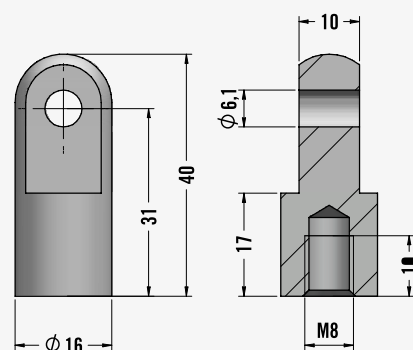
T19

C.12

S.4

M.M

F.Z



T20

TF2

C.19

C.22

C.28

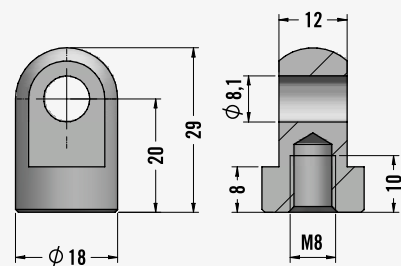
S.8

S.10

S.14

M.M

F.Z



T21

C.19

C.22

C.28

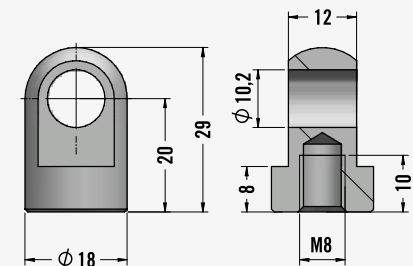
S.8

S.10

S.14

M.M

F.Z



T22

C.19

C.22

C.28

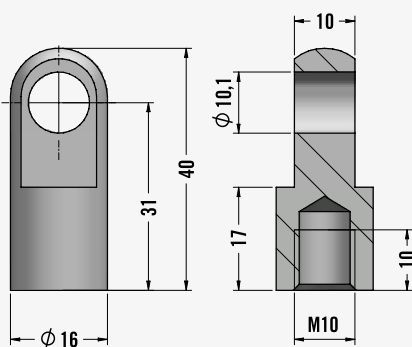
S.8

S.10

S.14

M.M

F.Z



T30

TF3

C.22

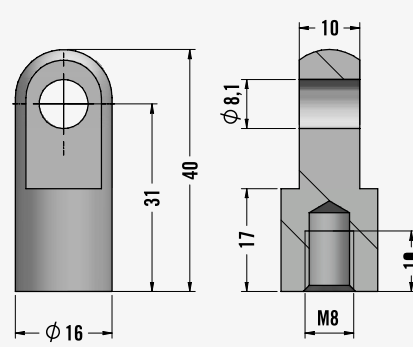
C.28

S.10

S.14

M.M

F.Z



T40

TF4

C.19

C.22

C.28

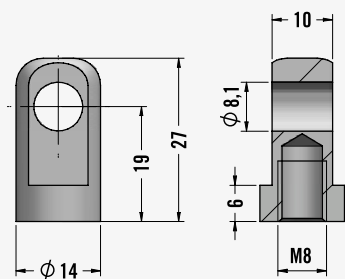
S.8

S.10

S.14

M.M

F.Z



T50

TF5

C.19

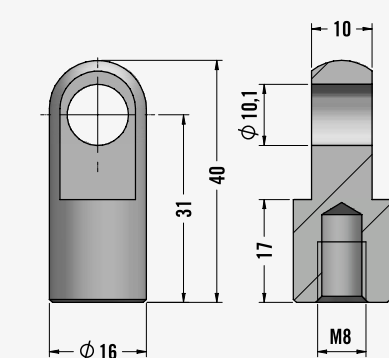
C.22

S.8

S.10

M.M

F.Z



T60

TF6

C.19

C.22

C.28

S.8

S.10

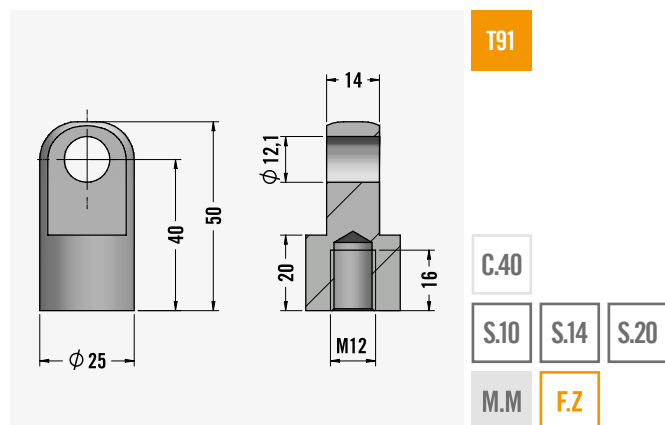
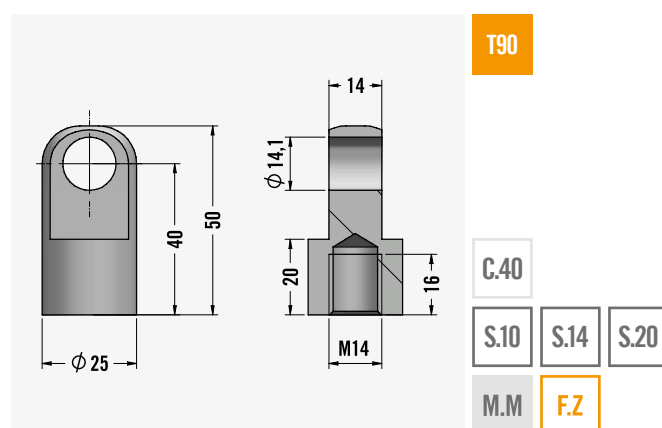
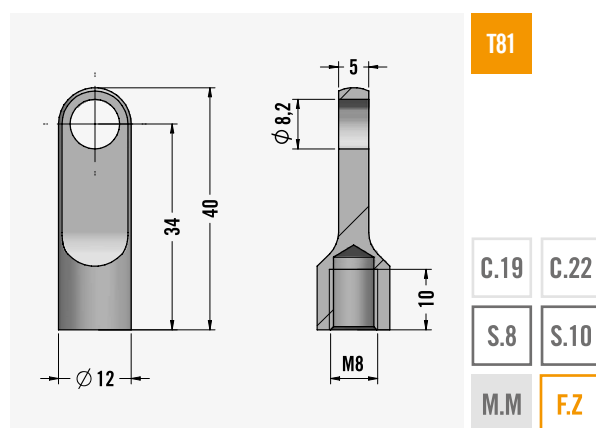
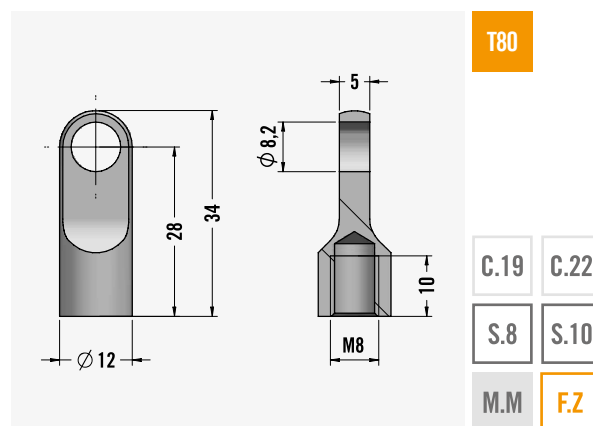
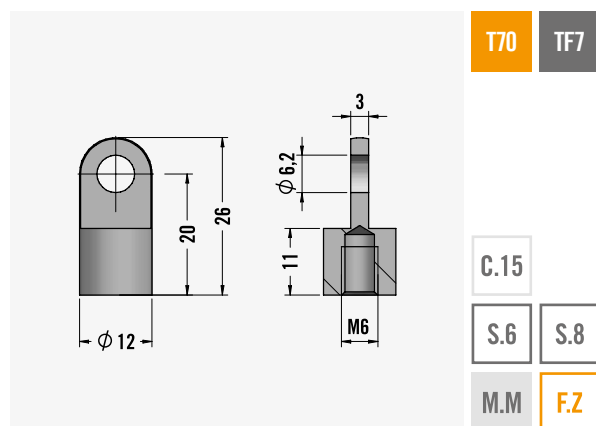
S.14

M.M

F.Z

OCCHIELLI FILETTATI / screwed eyelets

/ T

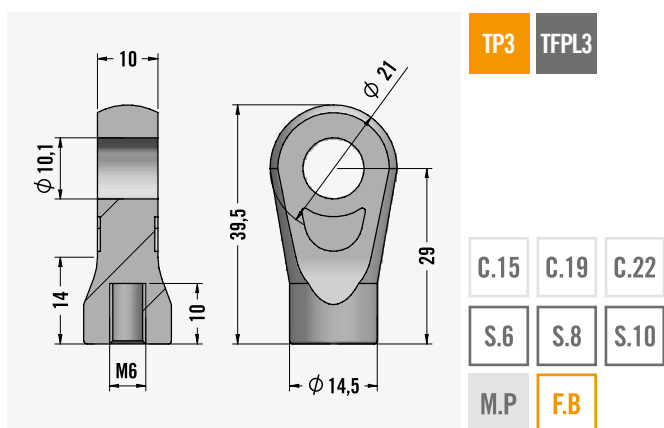
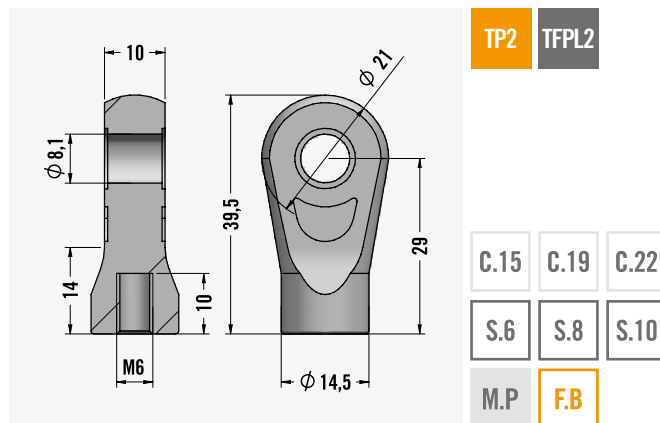
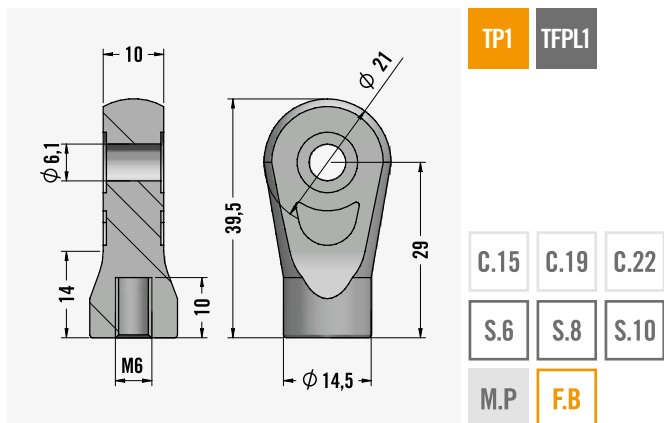




/T

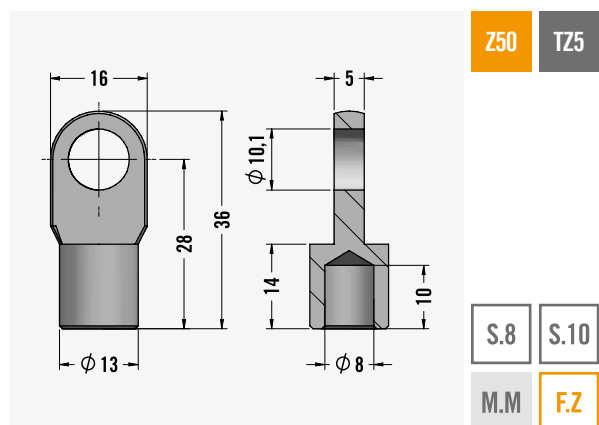
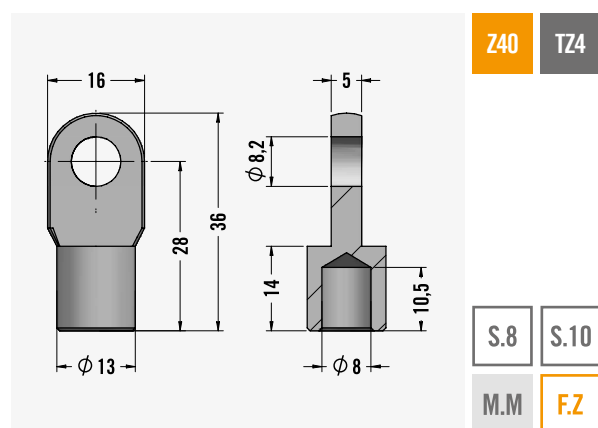
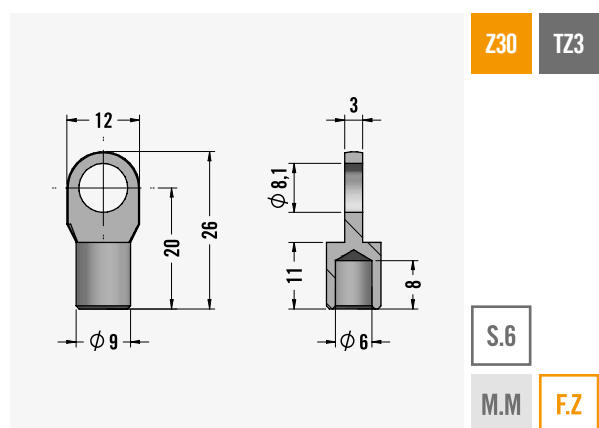
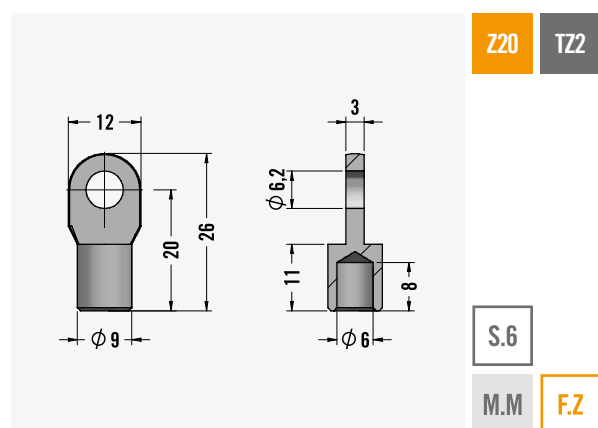
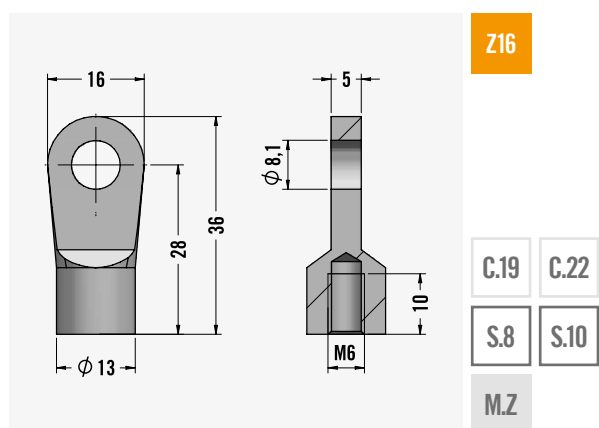
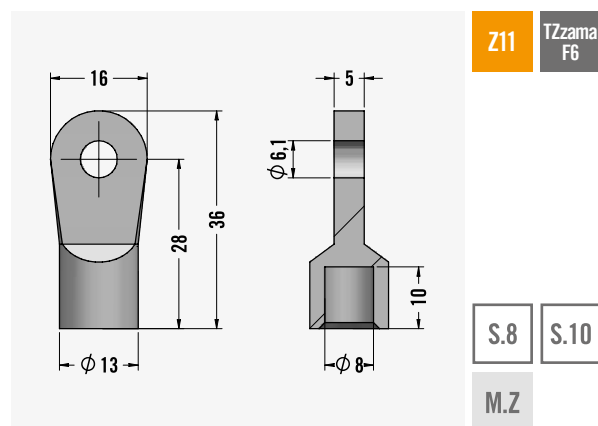
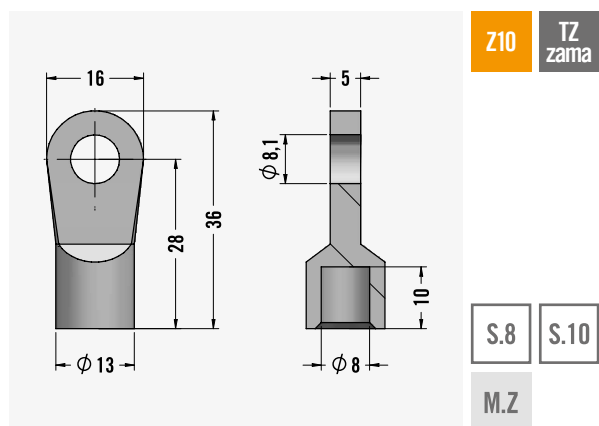
OCCHIELLI FILETTATI

/ screwed eyelets



OCCHIELLI PRESSATI / pressed eyelets

/ Z



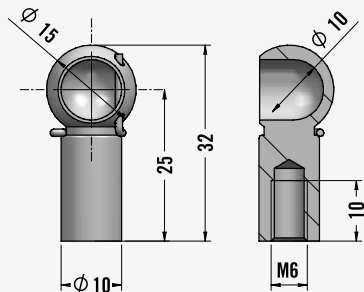
TESTINE SNODATE E SNODI

/ ball joints

/ S	/ TS	pag. 24	
/ P	/ TS	pag. 38	
/ N	/ SN	pag. 46	
	/ U	pag. 49	

ATTACCHI SNODATI FILETTATI / screwed ball joints

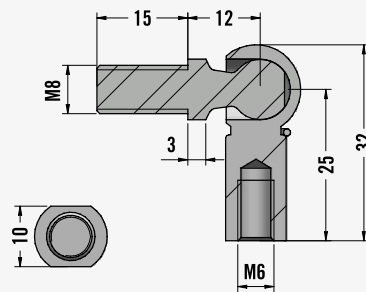
/S

**S10****TS1**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

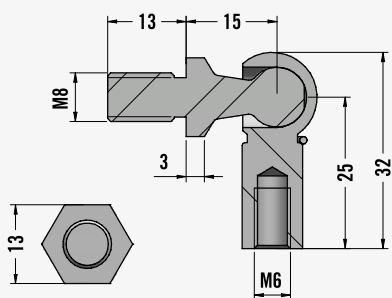
S.6 S.8 S.10

M.M **F.Z****S11****TS1+
SN1B**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

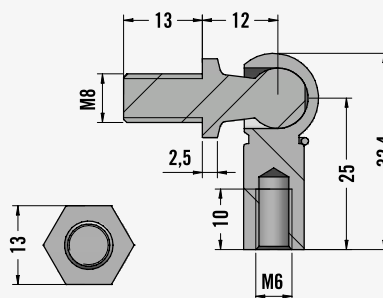
S.6 S.8 S.10

M.M **F.Z****S12****TS1+
SN1BESA**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

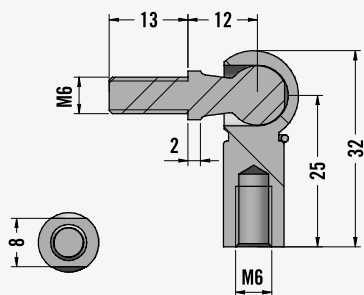
S.6 S.8 S.10

M.M **F.Z****S13****SN1BE
SA111**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

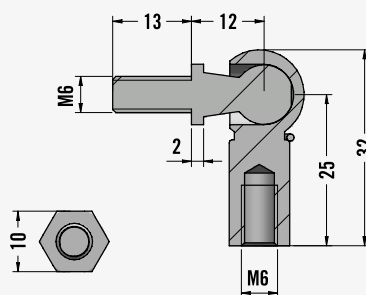
S.6 S.8 S.10

M.M **F.Z****S14****TS1+
SN3**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

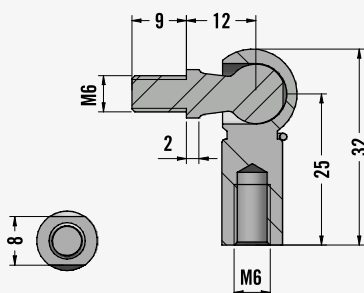
S.6 S.8 S.10

M.M **F.Z****S15****TS1+
SN3_ESA**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

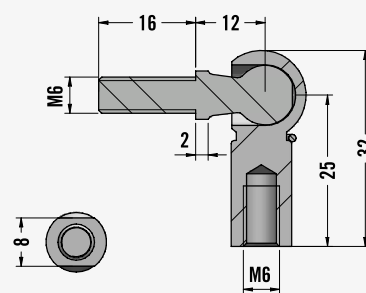
S.6 S.8 S.10

M.M **F.Z****S16****TS1+
SN3.9**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

S.6 S.8 S.10

M.M **F.Z****S17****TS1+
SN3.16**

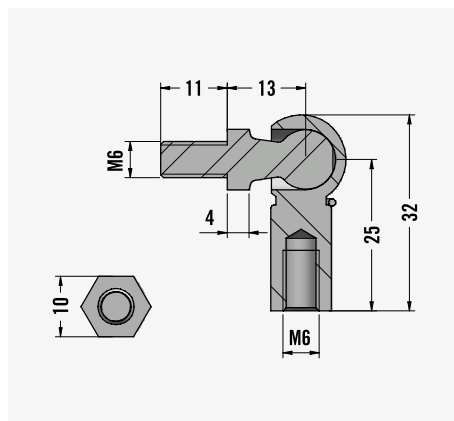
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

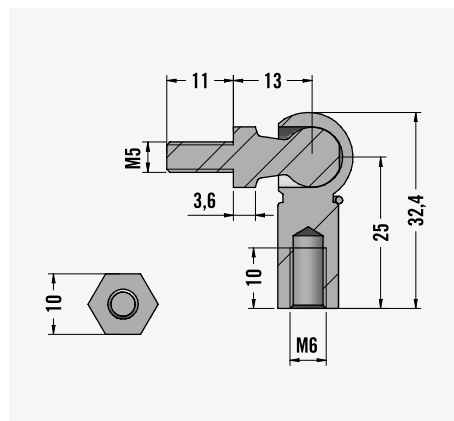
S.6 S.8 S.10

M.M **F.Z**

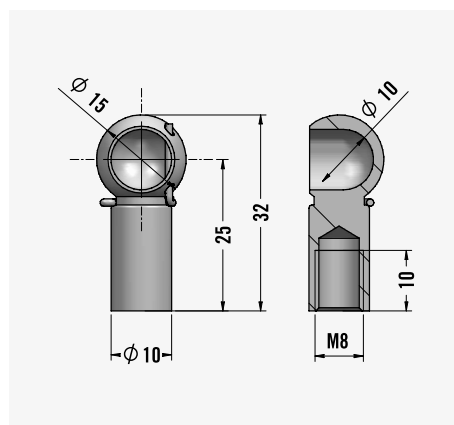
/S

ATTACCHI SNODATI FILETTATI
 / screwed ball joints
**S18**TS1+
SN3 ESA 4
 compatibile con snodo $\varnothing 10$
 / compatible with joint $\varnothing 10$

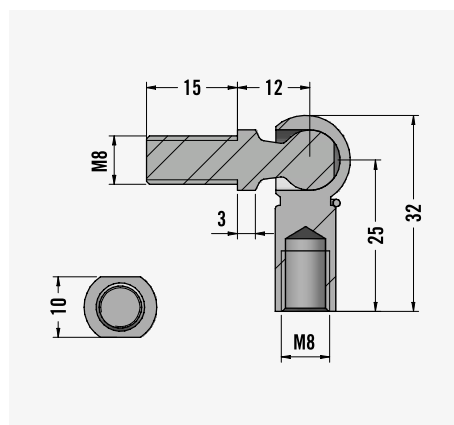
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**S19**SN3M5
ESA
 compatibile con snodo $\varnothing 10$
 / compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**S80**
 compatibile con snodo $\varnothing 10$
 / compatible with joint $\varnothing 10$

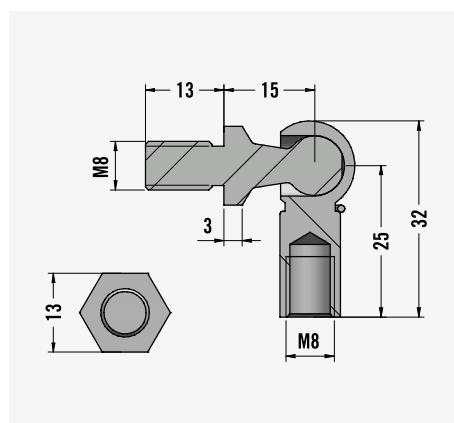
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**S81**

SN1B

 compatibile con snodo $\varnothing 10$
 / compatible with joint $\varnothing 10$

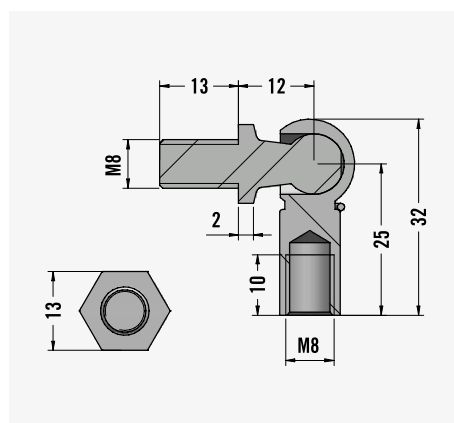
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**S82**

SN1BESA

 compatibile con snodo $\varnothing 10$
 / compatible with joint $\varnothing 10$

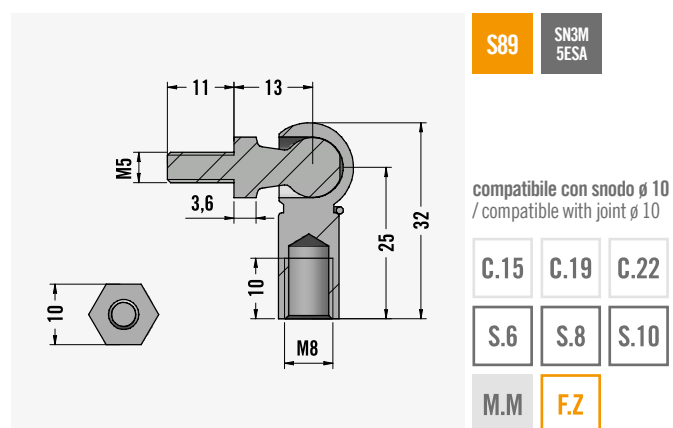
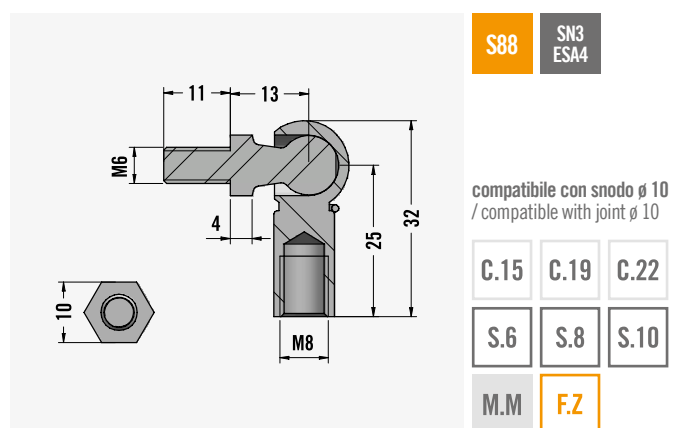
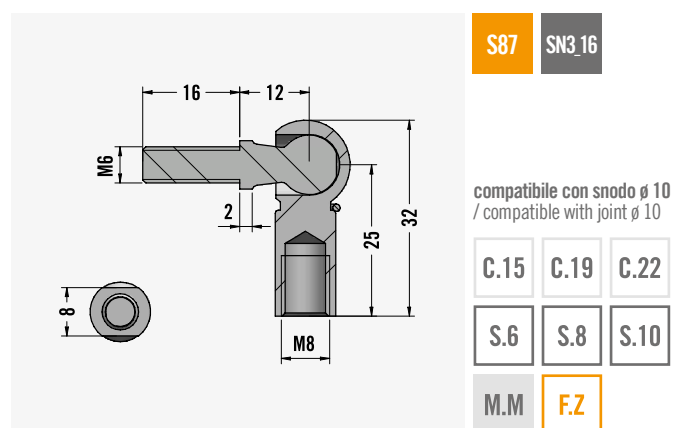
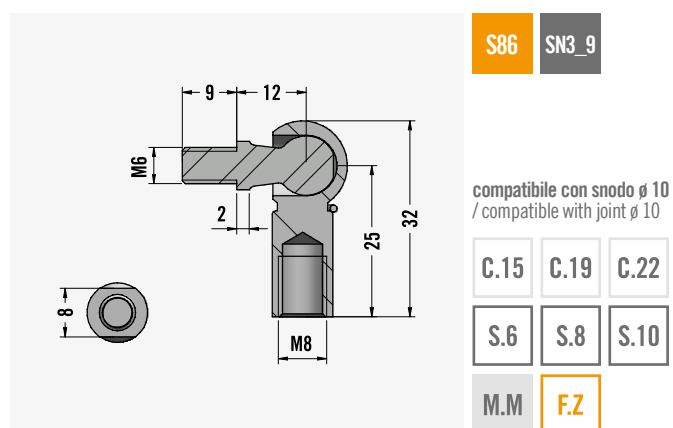
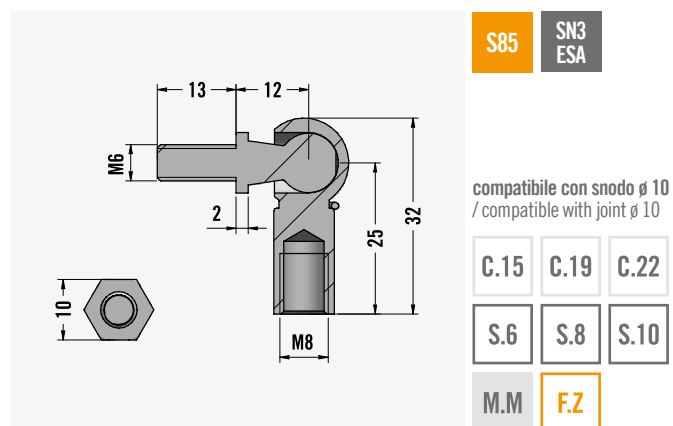
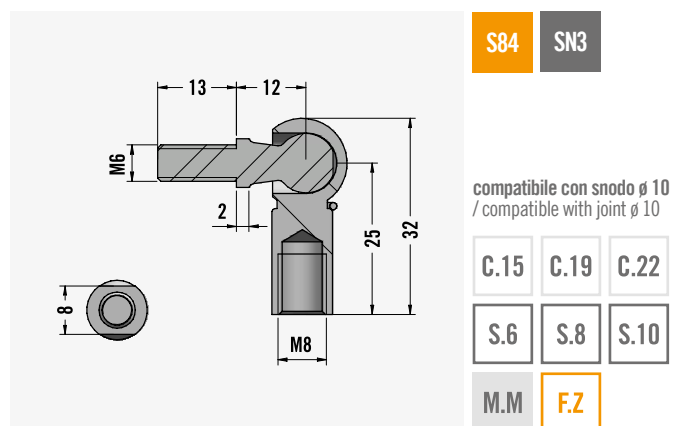
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**S83**SN1BE
SA11
 compatibile con snodo $\varnothing 10$
 / compatible with joint $\varnothing 10$

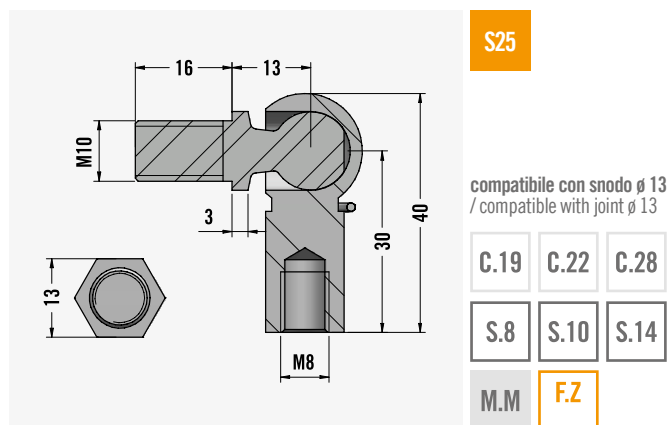
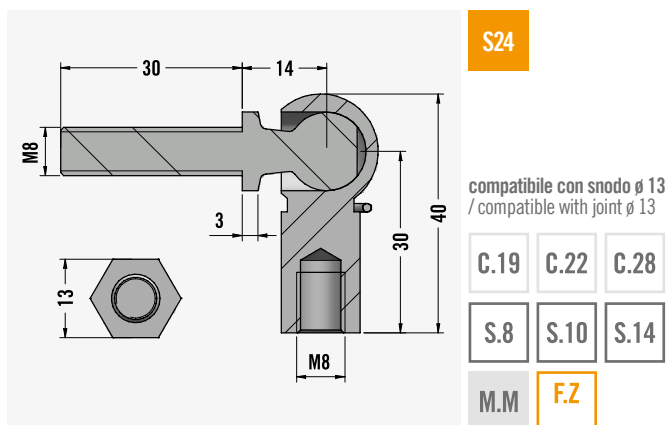
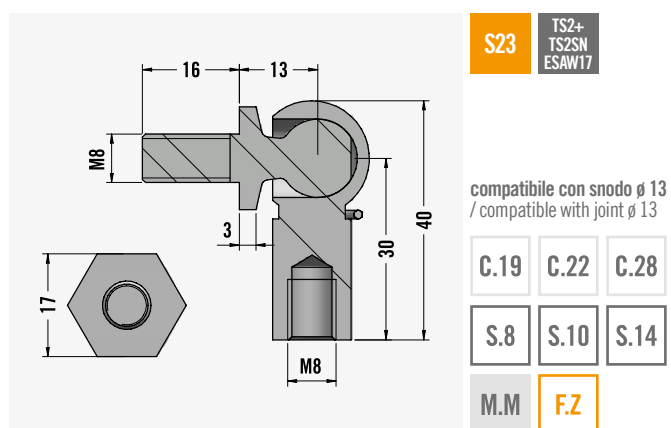
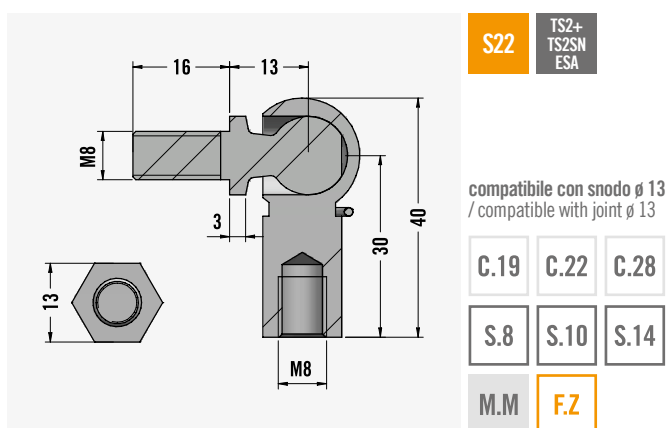
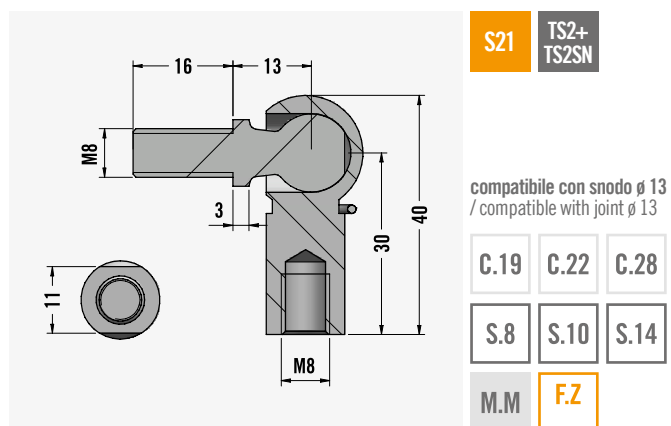
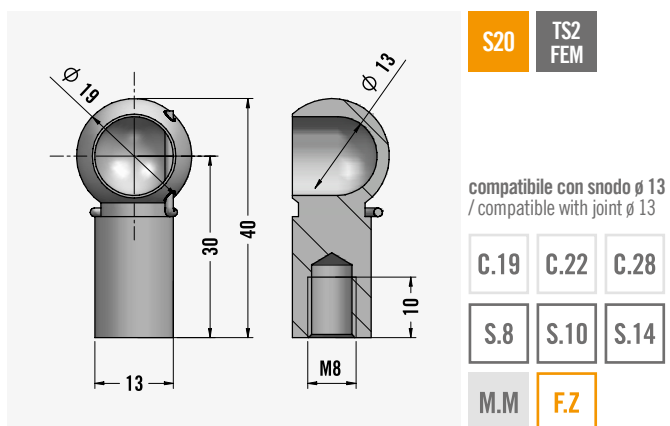
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

ATTACCHI SNODATI FILETTATI / screwed ball joints

/S

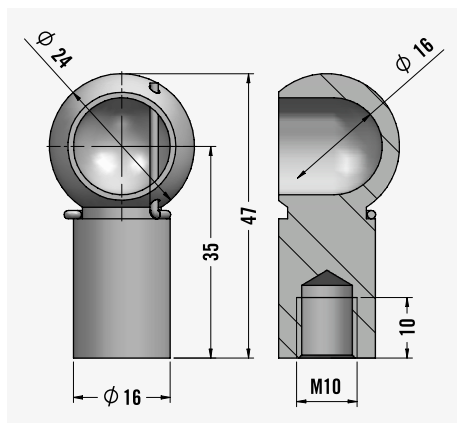


/S

ATTACCHI SNODATI FILETTATI
 / screwed ball joints


ATTACCHI SNODATI FILETTATI / screwed ball joints

/S

**S30****TS3
FEM**

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

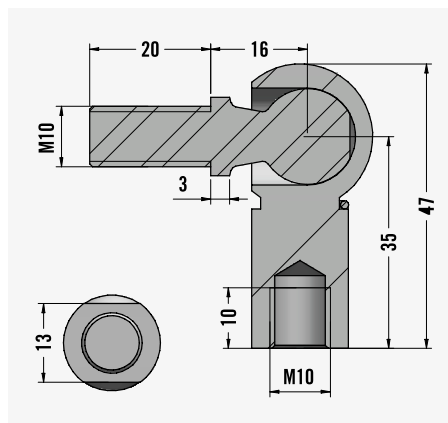
C.22

C.28

S.10

S.14

M.M

F.Z**S31****TS3+
TS3SN**

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

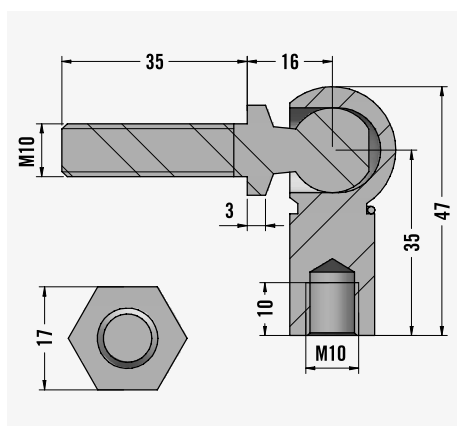
C.22

C.28

S.10

S.14

M.M

F.Z**S32****TS3
C/SN16H3ESA**

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

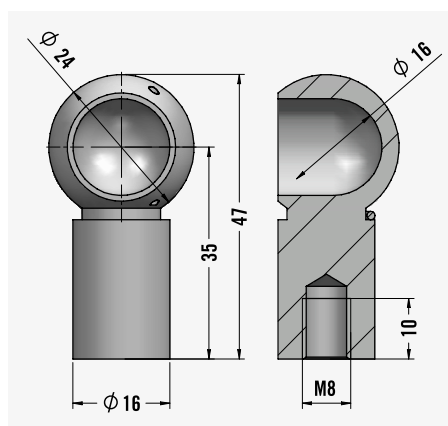
C.22

C.28

S.10

S.14

M.M

F.Z**S33**

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

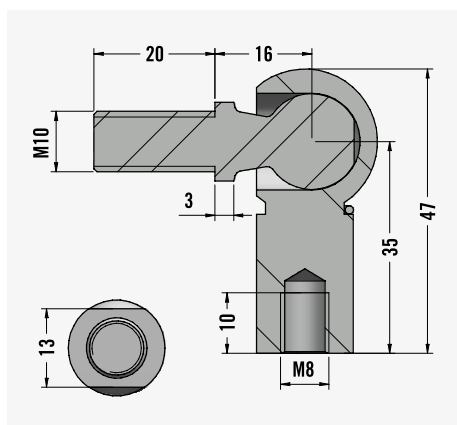
C.22

C.28

S.10

S.14

M.M

F.Z**S34**

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

C.22

C.28

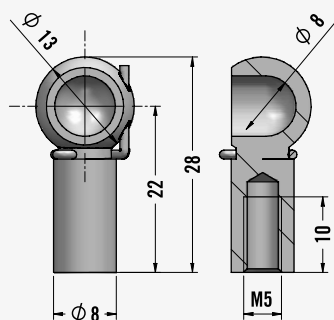
S.10

S.14

M.M

F.Z

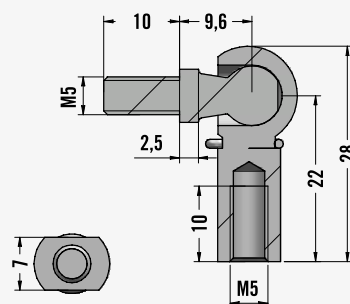
/S

ATTACCHI SNODATI FILETTATI
 / screwed ball joints

S40 TS4
FEMM

 compatibile con snodo ø 8
 / compatible with joint ø 8

C.15 C.19

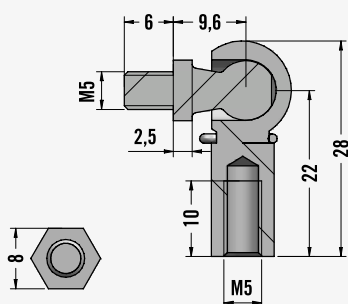
S.6 S.8

M.M. **F.Z**
S41 TS4+
SN4

 compatibile con snodo ø 8
 / compatible with joint ø 8

C.15 C.19

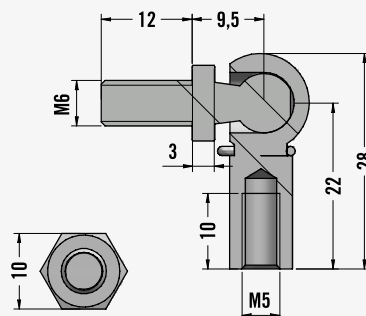
S.6 S.8

M.M. **F.Z**
S42 TS4+
SN4ACC

 compatibile con snodo ø 8
 / compatible with joint ø 8

C.15 C.19

S.6 S.8

M.M. **F.Z**
S43 TS4+
SN1AL

 compatibile con snodo ø 8
 / compatible with joint ø 8

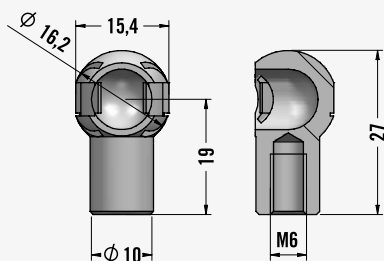
C.15 C.19

S.6 S.8

M.M. **F.Z**

ATTACCHI SNODATI FILETTATI / screwed ball joints

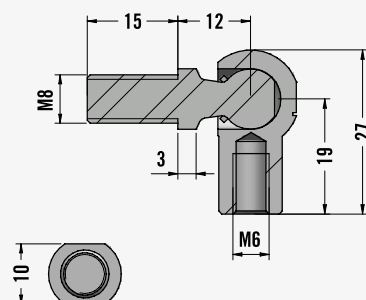
/ S

**S50****TS5**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

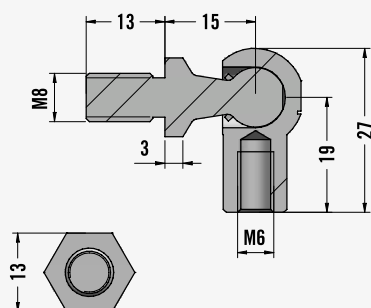
M.M. **F.N.**

**S51****TS5+
SN1B**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

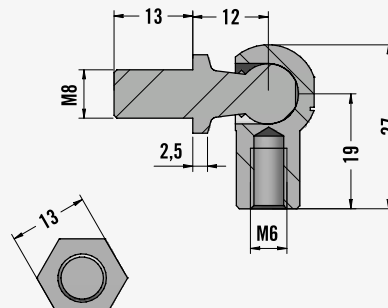
M.M. **F.N.**

**S52****TS5+
SN1BESA**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

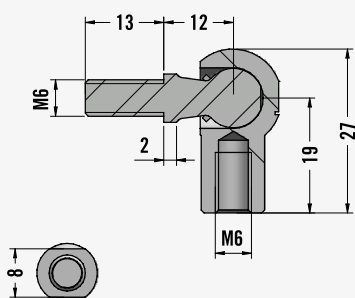
M.M. **F.N.**

**S53****TS5+
SN1BESA
I11**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

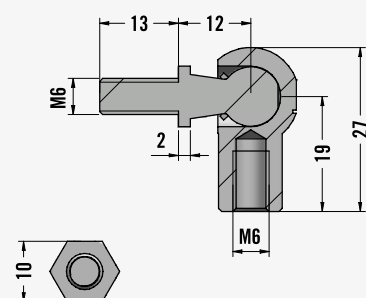
M.M. **F.N.**

**S54****TS5+
SN3**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

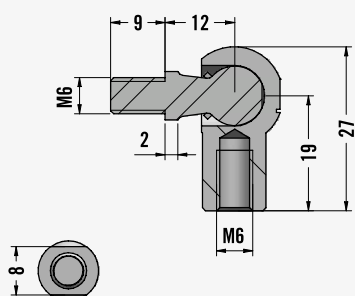
M.M. **F.N.**

**S55****TS5+
SN3 ESA**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

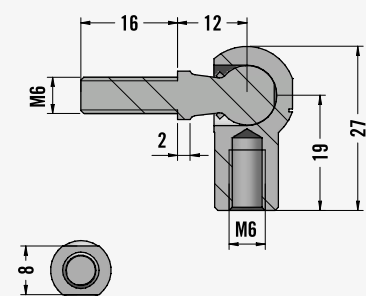
M.M. **F.N.**

**S56****TS5+
SN3.9**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

M.M. **F.N.**

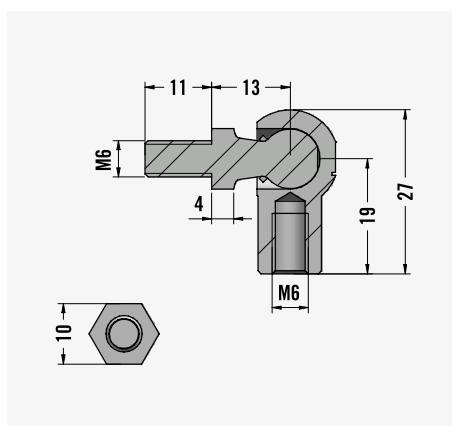
**S57****TS5+
SN3.16**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

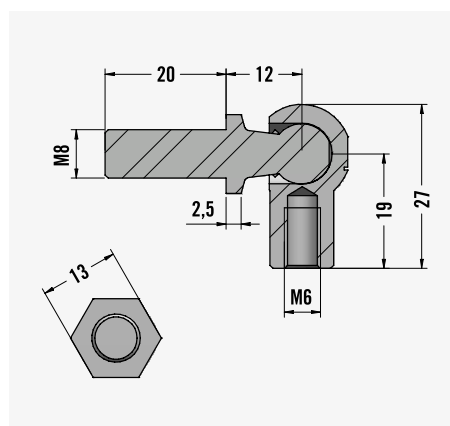
C.15	C.19	C.22
S.6	S.8	S.10

M.M. **F.N.**

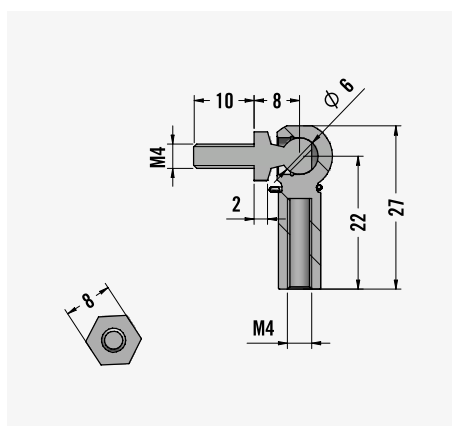
/S

ATTACCHI SNODATI FILETTATI
 / screwed ball joints
**S58**TS5+
SN3 ESA 4
 compatibile con snodo $\varnothing$ 10
 / compatible with joint $\varnothing$ 10

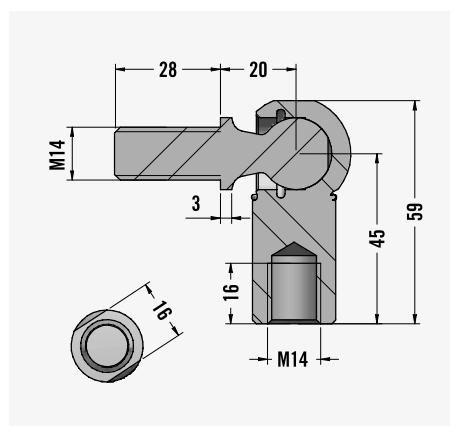
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.N	

**S59**M8ES
AL20
 compatibile con snodo $\varnothing$ 10
 / compatible with joint $\varnothing$ 10

C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.N	

**S62**
 compatibile con snodo $\varnothing$ 6
 / compatible with joint $\varnothing$ 6

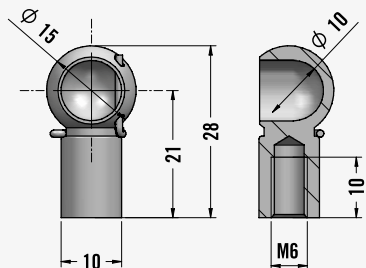
C.12
S.4
M.M F.Z

**S71**
 compatibile con snodo $\varnothing$ 19
 / compatible with joint $\varnothing$ 19

C.40		
S.10	S.14	S.20
M.M	F.Z	

ATTACCHI SNODATI FILETTATI / screwed ball joints

/S

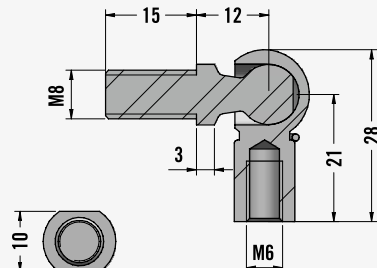


SA0 TS1ACC

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

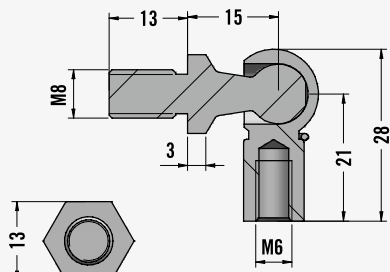
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA1 TS1ACC
+SN1Bcompatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

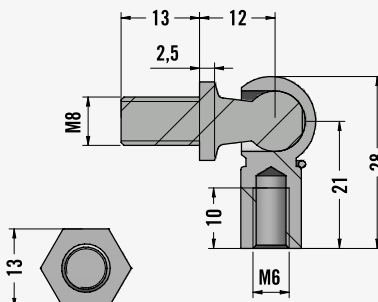
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA2 TS1ACC+
SN1BESAcompatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

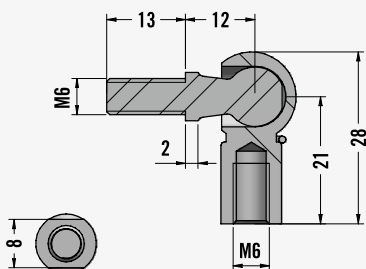
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA3 SN1BE
SA11compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

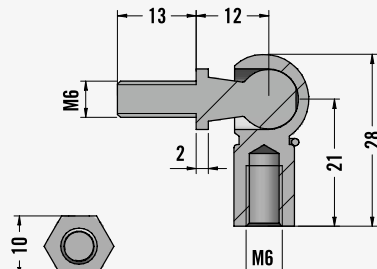
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA4 TS1ACC
+SN3compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

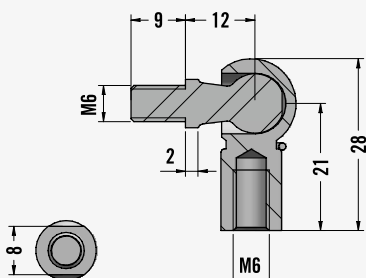
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA5 TS1ACC+
SN3, ESAcompatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

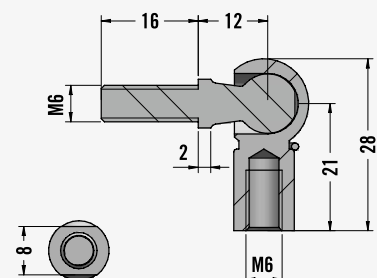
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA6 TS1ACC+
SN3 9compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

SA7 TS1ACC+
SN3 16compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

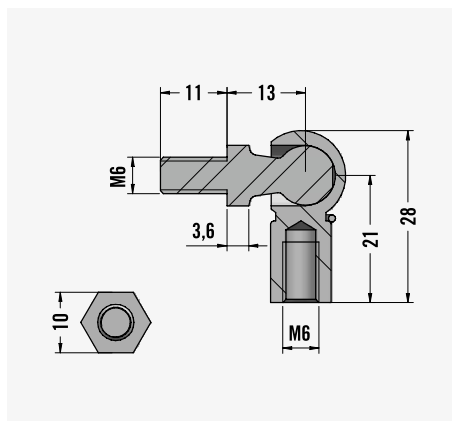
C.15	C.19	C.22
S.6	S.8	S.10

M.M. F.Z

/S

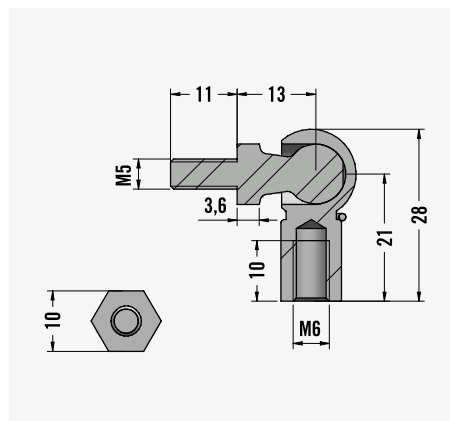
ATTACCHI SNODATI CORTI FILETTATI

/ screwed short ball joints

**SA8**TSIACC+
SN3 ESA 4

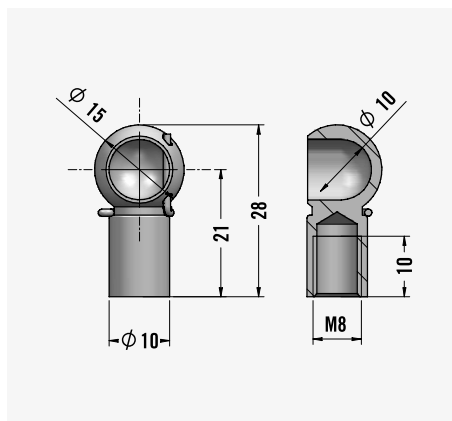
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**SA9**SN3M
5ESA

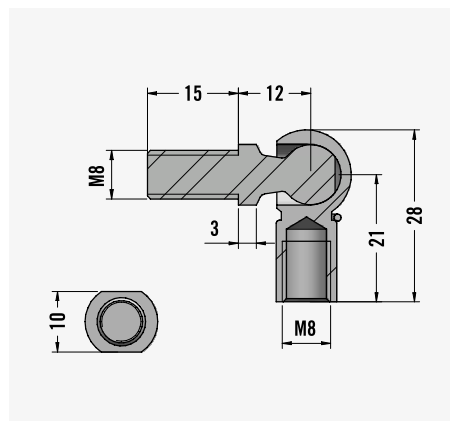
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**SE0**

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

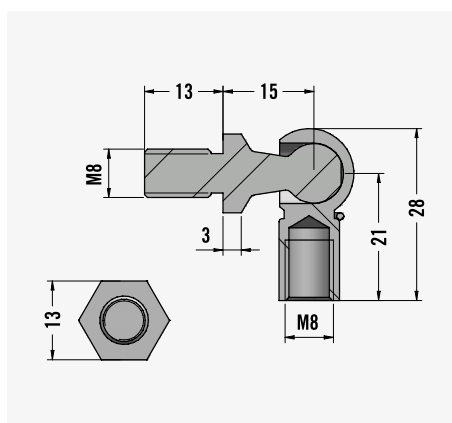
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**SE1**

SN1B

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

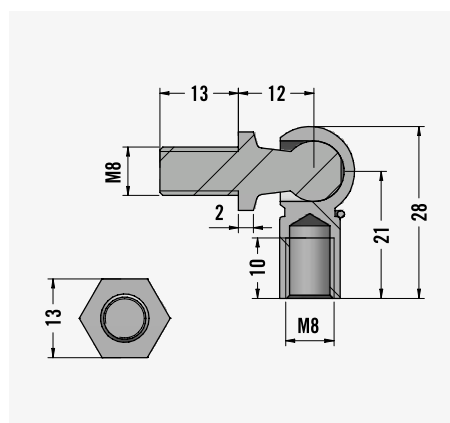
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**SE2**

SN1BESA

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

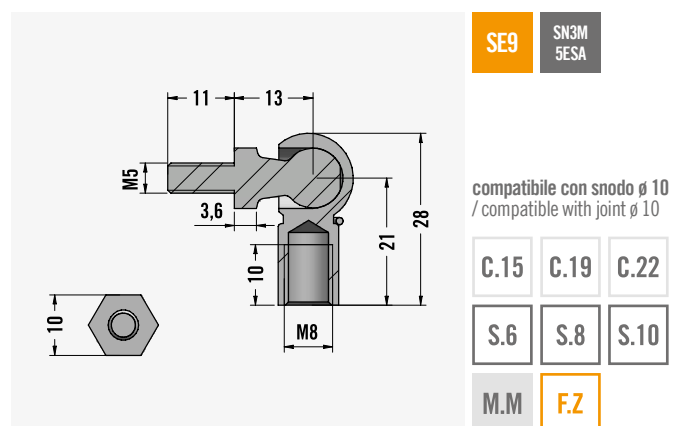
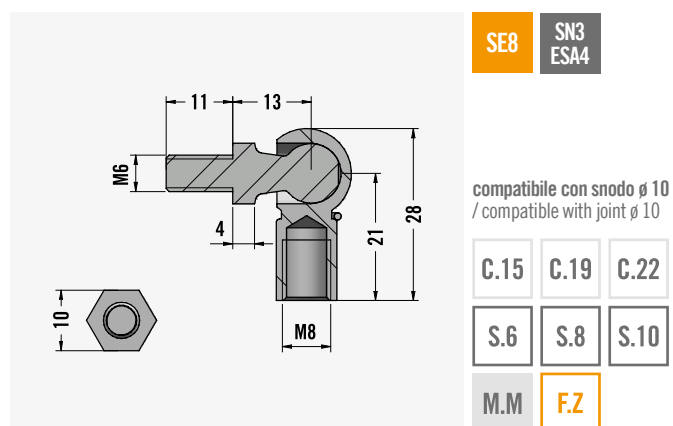
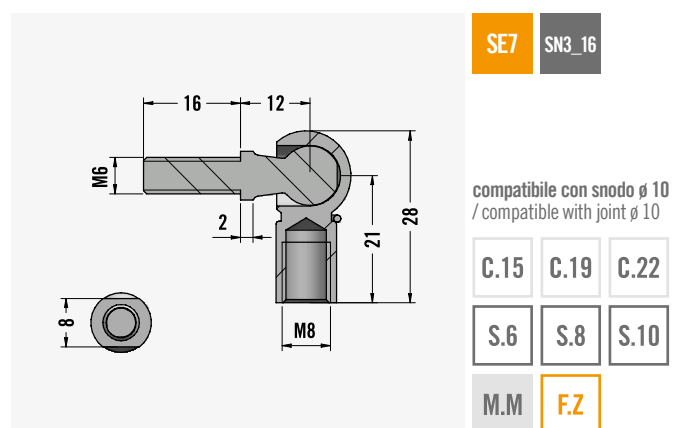
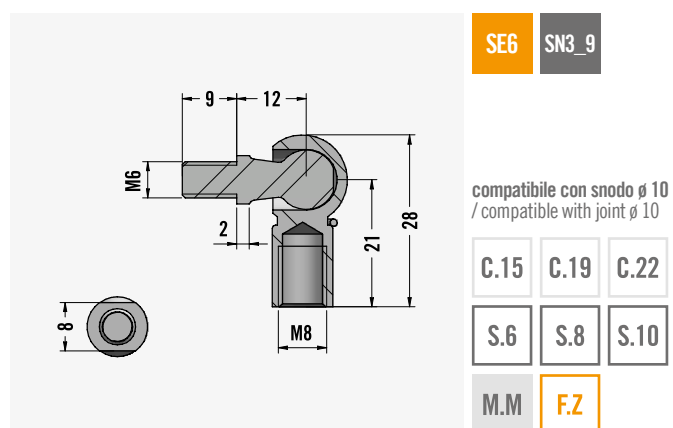
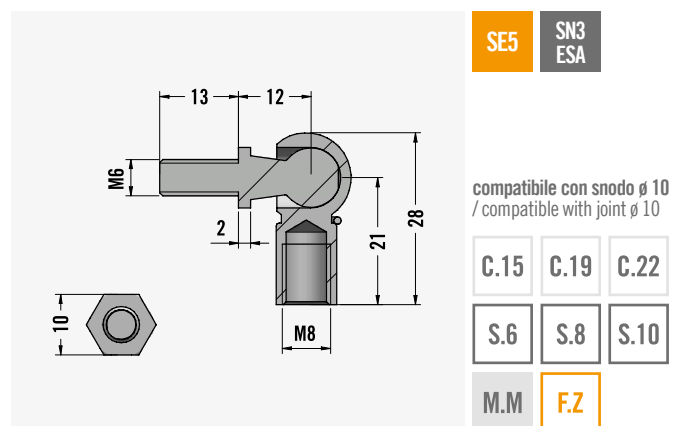
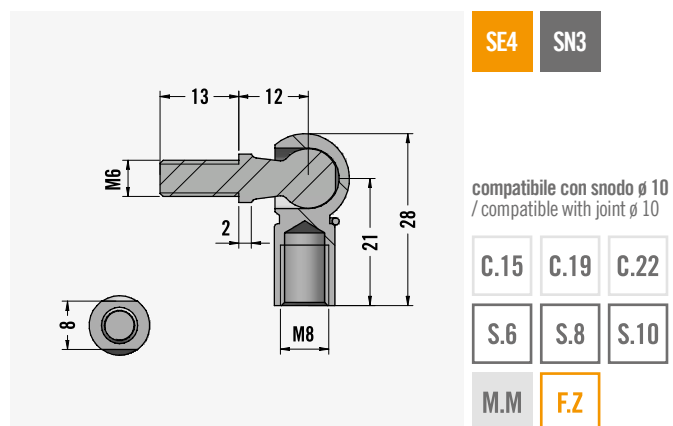
C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

**SE3**SN1BE
SA111

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15	C.19	C.22
S.6	S.8	S.10
M.M	F.Z	

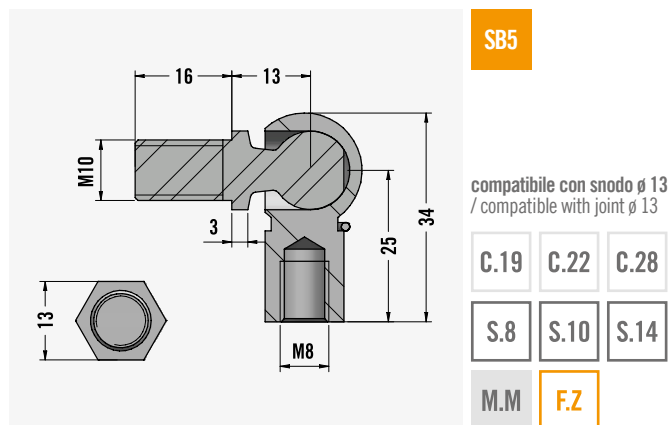
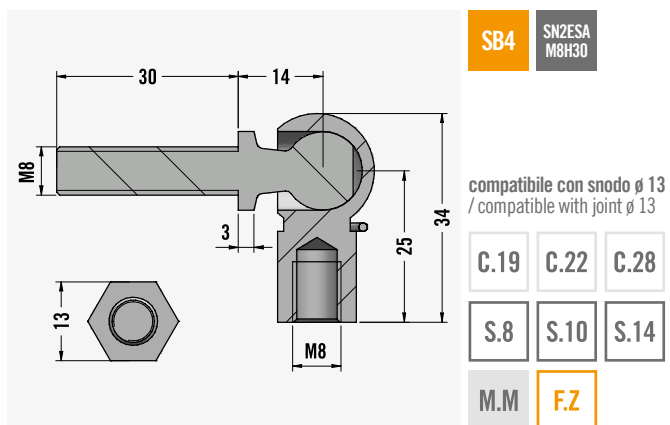
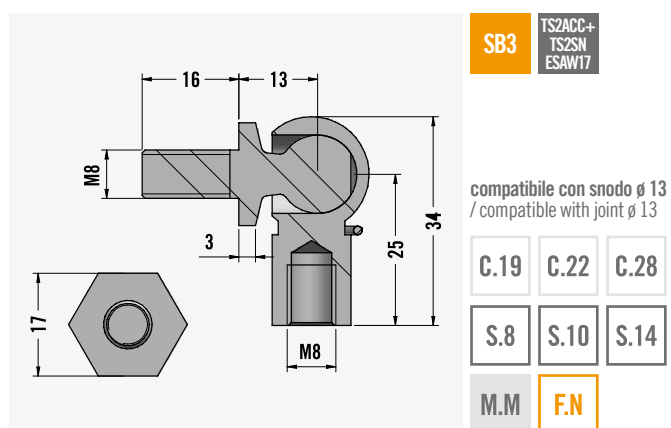
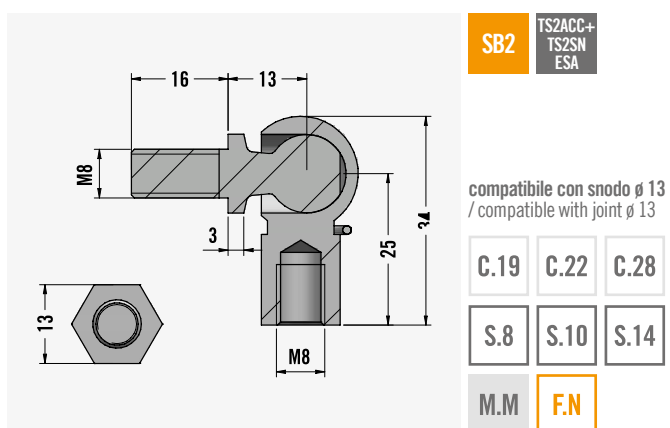
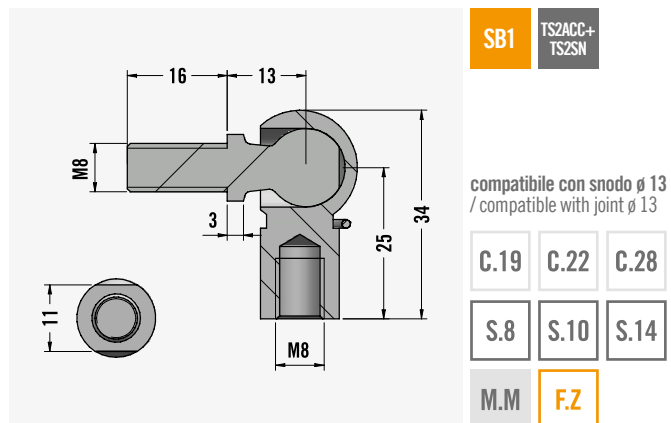
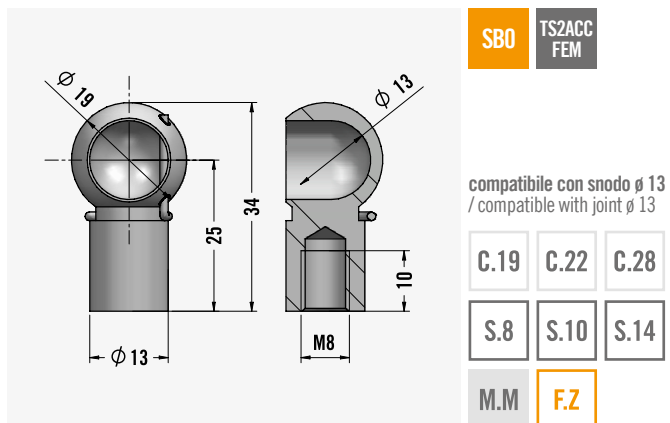
ATTACCHI SNODATI CORTI FILETTATI / S



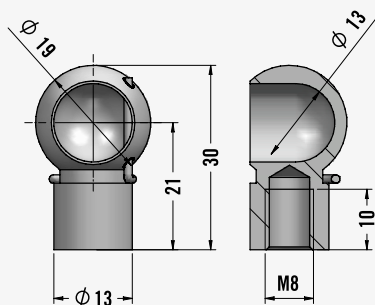
/S

ATTACCHI SNODATI CORTI FILETTATI

/ screwed short ball joints



ATTACCHI SNODATI CORTI FILETTATI / S



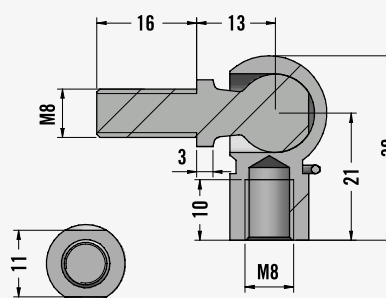
SF0

compatibile con snodo $\varnothing 13$
/ compatible with joint $\varnothing 13$

C.19	C.22	C.28
------	------	------

S.8	S.10	S.14
-----	------	------

M.M	F.Z
-----	------------



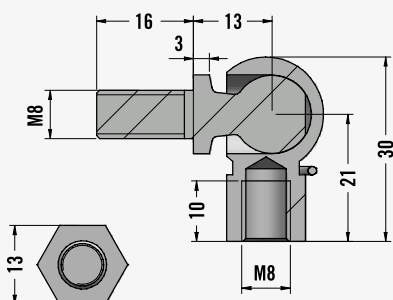
SF1

compatibile con snodo $\varnothing 13$
/ compatible with joint $\varnothing 13$

C.19	C.22	C.28
------	------	------

S.8	S.10	S.14
-----	------	------

M.M	F.Z
-----	------------



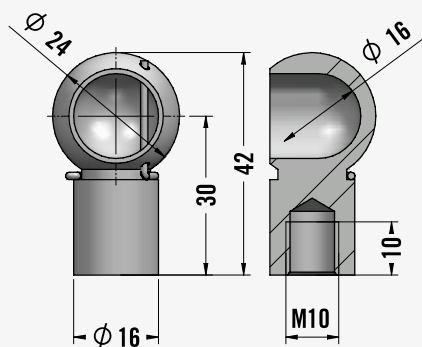
SF2

compatibile con snodo $\varnothing 13$
/ compatible with joint $\varnothing 13$

C.19	C.22	C.28
------	------	------

S.8	S.10	S.14
-----	------	------

M.M	F.Z
-----	------------



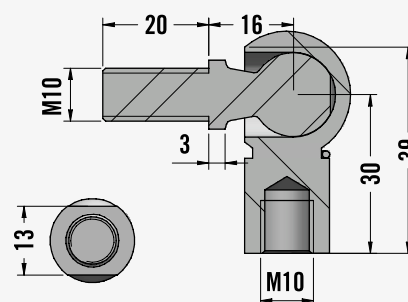
SC0

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

C.22	C.28
------	------

S.10	S.14
------	------

M.M	F.Z
-----	------------



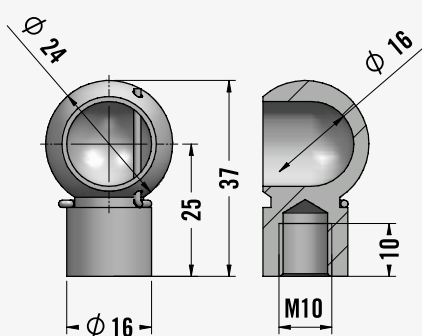
SC1

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

C.22	C.28
------	------

S.10	S.14
------	------

M.M	F.Z
-----	------------



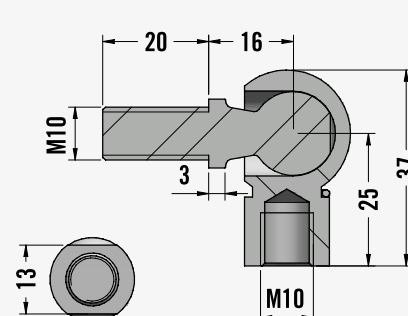
SC2

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

C.22	C.28
------	------

S.10	S.14
------	------

M.M	F.Z
-----	------------



SC3

compatibile con snodo $\varnothing 16$
/ compatible with joint $\varnothing 16$

C.22	C.28
------	------

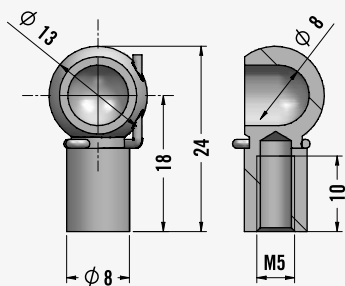
S.10	S.14
------	------

M.M	F.Z
-----	------------

/S

ATTACCHI SNODATI CORTI FILETTATI

/ screwed short ball joints

**SD0****TS4
ACC**

compatibile con snodo ø 8
/ compatible with joint ø 8

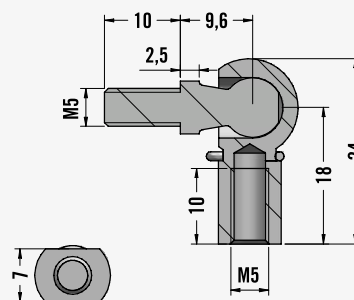
C.15

C.19

S.6

S.8

M.M

F.Z**SD1****TS4ACC+
SN4**

compatibile con snodo ø 8
/ compatible with joint ø 8

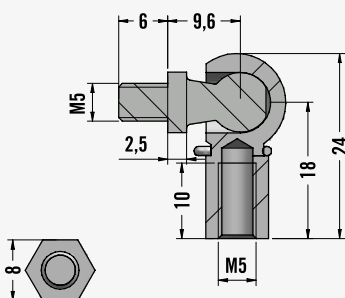
C.15

C.19

S.6

S.8

M.M

F.Z**SD2****TS4ACC+
SN4ACC**

compatibile con snodo ø 8
/ compatible with joint ø 8

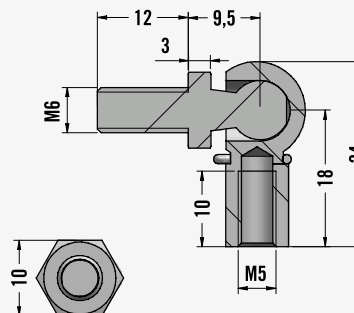
C.15

C.19

S.6

S.8

M.M

F.Z**SD3****TS4ACC+
SN1AL**

compatibile con snodo ø 8
/ compatible with joint ø 8

C.15

C.19

S.6

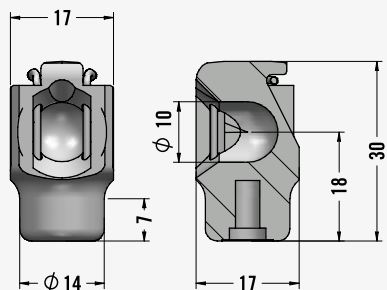
S.8

M.M

F.Z

ATTACCHI SNODATI AUTOFILETTANTI / P

/ self tapping ball joints



P10 TSNS
FEMM

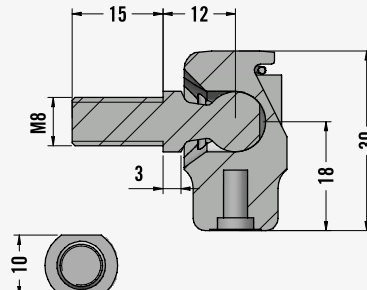
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P11 TSNS+
SN1B

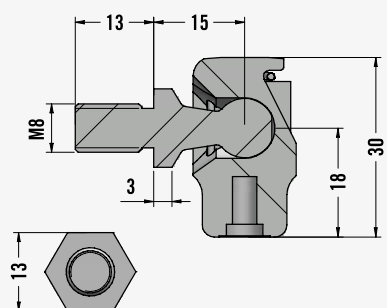
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P12 TSNS+
SN1BESA

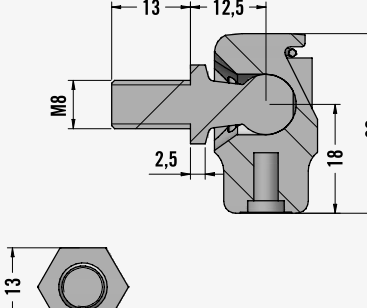
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P13 TSNS+
SN1BE
SA111

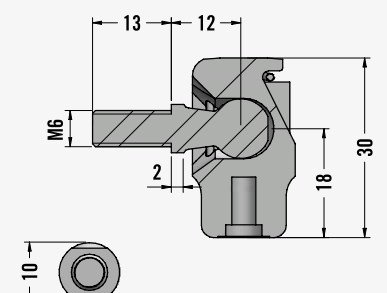
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P14 TSNS+
SN3

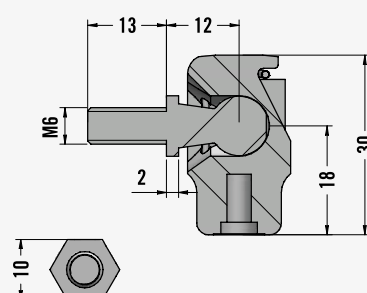
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P15 TSNS+
SN3 ESA

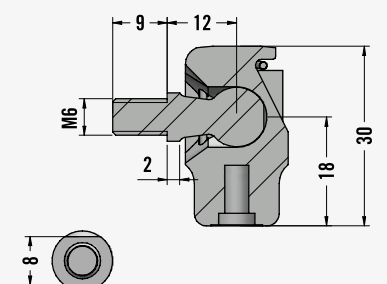
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P16 TSNS+
SN3 9

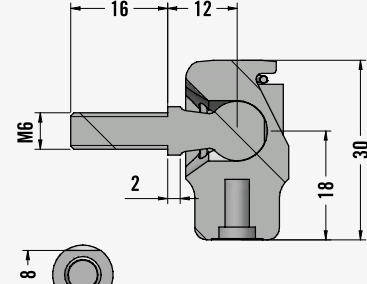
fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

S.6 S.8

M.P. **F.B.** **F.G.**



P17 TSNS+
SN3 16

fino a 400 N
/ up to 400 N

compatibile con snodo ϕ 10
/ compatible with joint ϕ 10

C.15 C.19

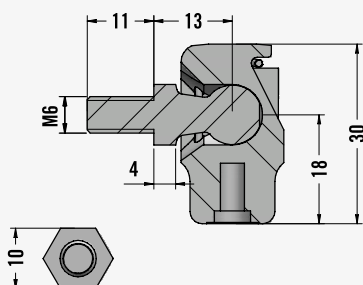
S.6 S.8

M.P. **F.B.** **F.G.**

/P

ATTACCHI SNODATI AUTOFILETTANTI

/ self tapping ball joints



P18 TSNS+
SN3_ESA4

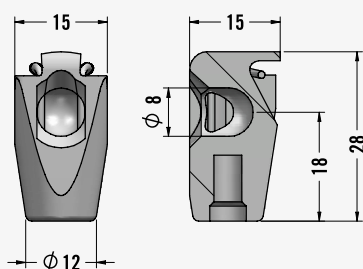
fino a 400 N
/ up to 400 N

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19

S.6 S.8

M.P. **F.B** **F.G**



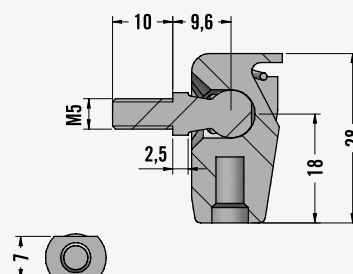
P50 TS4NS
FEM

compatibile con snodo $\varnothing 8$
/ compatible with joint $\varnothing 8$

C.12 C.15

S.4 S.6

M.P. **F.B** **F.G**



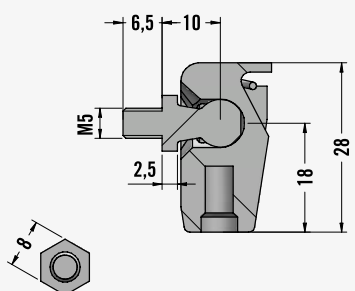
P51 TS4NS+
SN4

compatibile con snodo $\varnothing 8$
/ compatible with joint $\varnothing 8$

C.12 C.15

S.4 S.6

M.P. **F.B** **F.G**



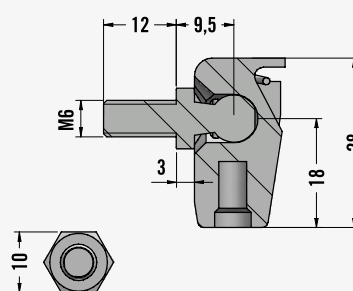
P52 TS4NS+
SN4ACC

compatibile con snodo $\varnothing 8$
/ compatible with joint $\varnothing 8$

C.12 C.15

S.4 S.6

M.P. **F.B** **F.G**



P53 TS4NS+
SN1AL

compatibile con snodo $\varnothing 8$
/ compatible with joint $\varnothing 8$

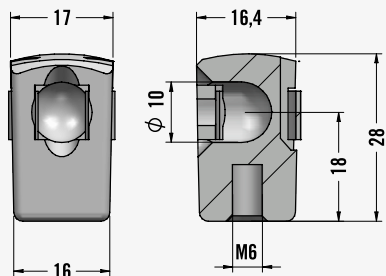
C.12 C.15

S.4 S.6

M.P. **F.B** **F.G**

ATTACCHI SNODATI FILETTATI / screwed ball joints

/ P



P70

TS1PL
FEMM

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15

C.19

C.22

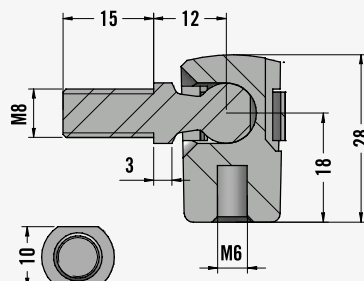
S.6

S.8

S.10

M.P

F.B



P71

TS1PL+
SN1B

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15

C.19

C.22

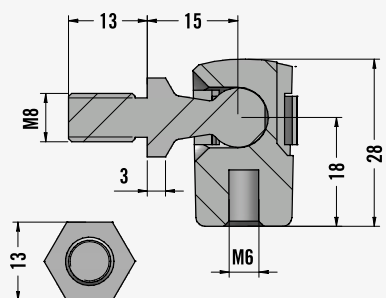
S.6

S.8

S.10

M.P

F.B



P72

TS1PL+
SN1BESA

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15

C.19

C.22

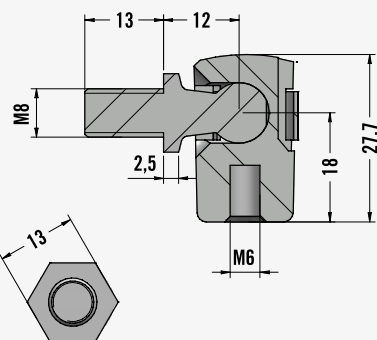
S.6

S.8

S.10

M.P

F.B



P73

SN1BE
SA111

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15

C.19

C.22

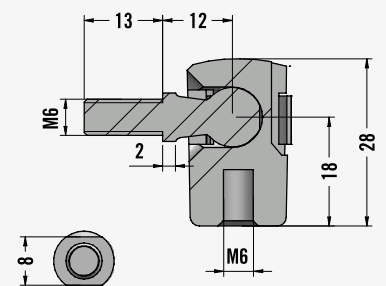
S.6

S.8

S.10

M.P

F.B



P74

TS1PL+
SN3

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15

C.19

C.22

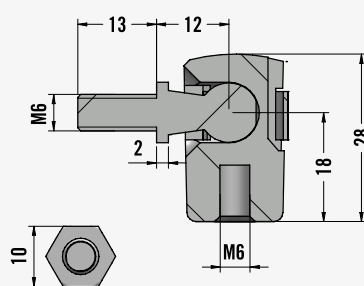
S.6

S.8

S.10

M.P

F.B



P75

TS1PL+
SN3 ESA

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15

C.19

C.22

S.6

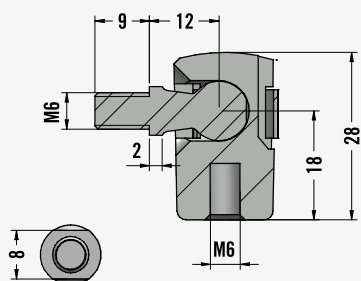
S.8

S.10

M.P

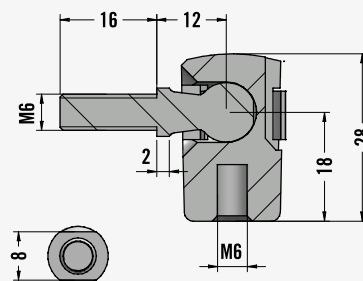
F.B

/P

ATTACCHI SNODATI FILETTATI
 / screwed ball joints
**P76**TS1PL+
SN3 9
 compatibile con snodo $\varnothing$ 10
 / compatible with joint $\varnothing$ 10

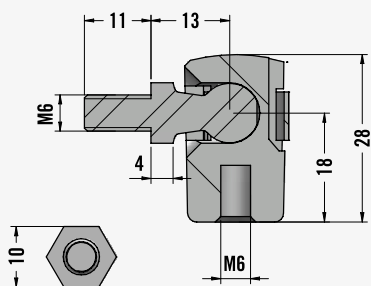
C.15 C.19 C.22

S.6 S.8 S.10

M.P **F.B****P77**TS1PL+
SN3 16
 compatibile con snodo $\varnothing$ 10
 / compatible with joint $\varnothing$ 10

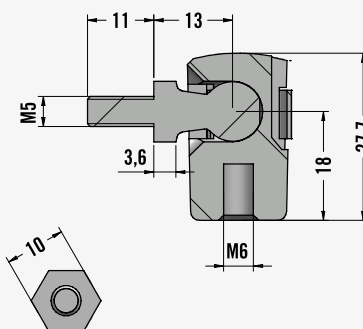
C.15 C.19 C.22

S.6 S.8 S.10

M.P **F.B****P78**TS1PL+
SN3 ESA4
 compatibile con snodo $\varnothing$ 10
 / compatible with joint $\varnothing$ 10

C.15 C.19 C.22

S.6 S.8 S.10

M.P **F.B****P79**SN3M
5ESA
 compatibile con snodo $\varnothing$ 10
 / compatible with joint $\varnothing$ 10

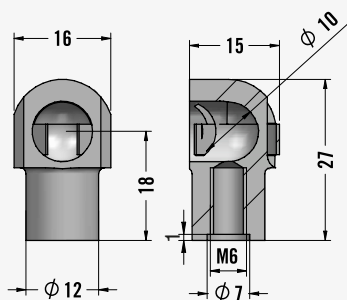
C.15 C.19 C.22

S.6 S.8 S.10

M.P **F.B**

ATTACCHI SNODATI FILETTATI / screwed ball joints

/ P



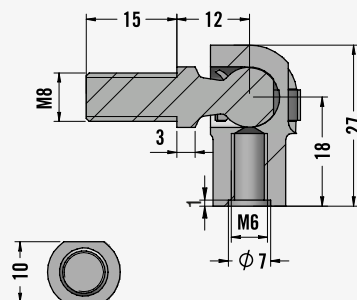
P80 TS5 PL

fino a 600 N
/ up to 600 Ncompatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 C.19

S.6 S.8

M.P. F.B. F.G.



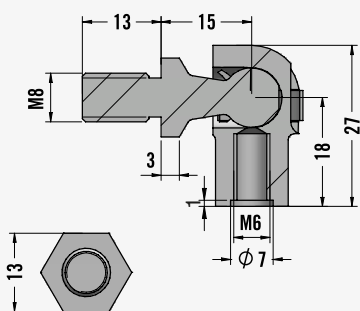
P81 SN1B

fino a 600 N
/ up to 600 Ncompatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 C.19

S.6 S.8

M.P. F.B. F.G.



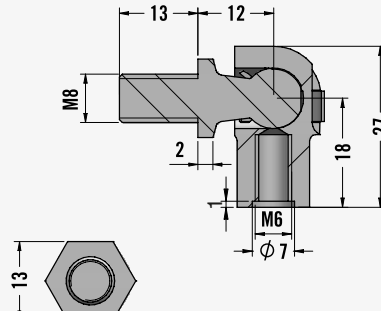
P82 SN1BESA

fino a 600 N
/ up to 600 Ncompatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 C.19

S.6 S.8

M.P. F.B. F.G.



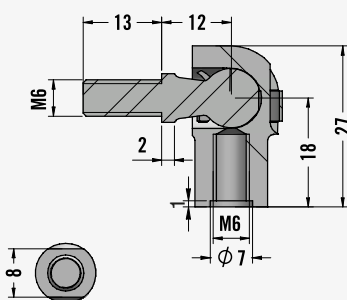
P83 SN1BE SAI11

fino a 600 N
/ up to 600 Ncompatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 C.19

S.6 S.8

M.P. F.B. F.G.



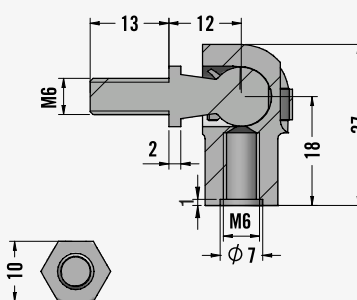
P84 SN3

fino a 600 N
/ up to 600 Ncompatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 C.19

S.6 S.8

M.P. F.B. F.G.



P85 SN3ESA

fino a 600 N
/ up to 600 Ncompatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 C.19

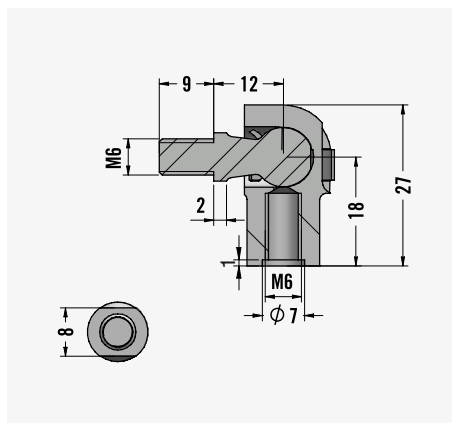
S.6 S.8

M.P. F.B. F.G.

/ P

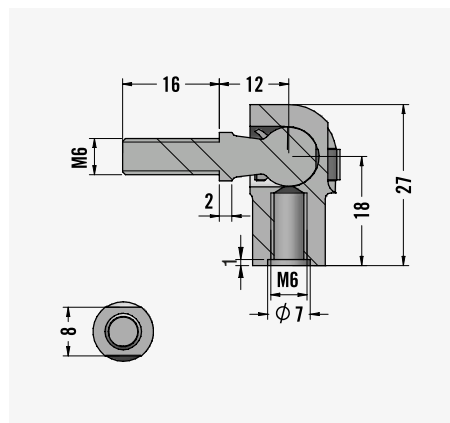
ATTACCHI SNODATI FILETTATI

/ screwed ball joints


P86 **SN3_9**

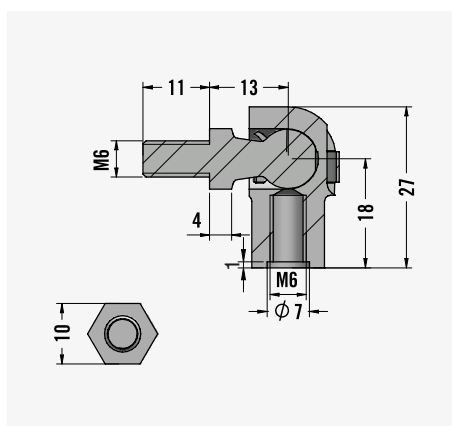
 fino a 600 N
/ up to 600 N

 compatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 **C.19**
S.6 **S.8**
M.P **F.B** **F.G**

P87 **SN3_16**

 fino a 600 N
/ up to 600 N

 compatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 **C.19**
S.6 **S.8**
M.P **F.B** **F.G**

P88 **SN3
ESA4**

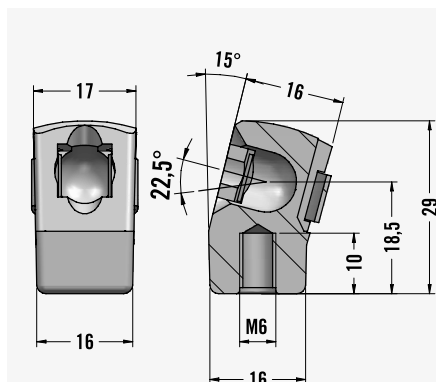
 fino a 600 N
/ up to 600 N

 compatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.15 **C.19**
S.6 **S.8**
M.P **F.B** **F.G**

ATTACCHI SNODATI FILETTATI / screwed ball joints

/ P

**P90****TSPM6
FEMM**

compatibile con snodo ø 10
/ compatible with joint ø 10

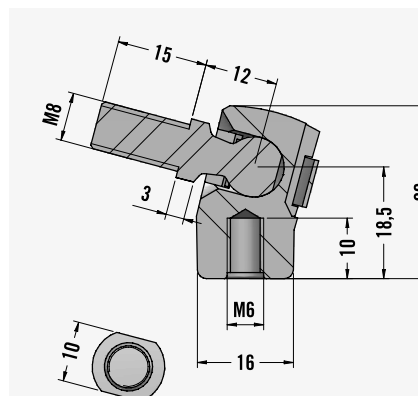
C.19

C.22

S.8

S.10

M.P

F.B**P91****TSPM6+
SN1B**

compatibile con snodo ø 10
/ compatible with joint ø 10

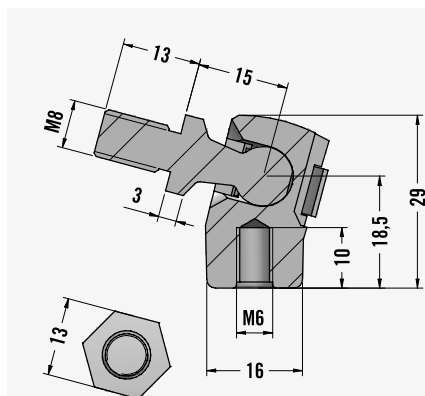
C.19

C.22

S.8

S.10

M.P

F.B**P92****TSPM6+
SN1BESA**

compatibile con snodo ø 10
/ compatible with joint ø 10

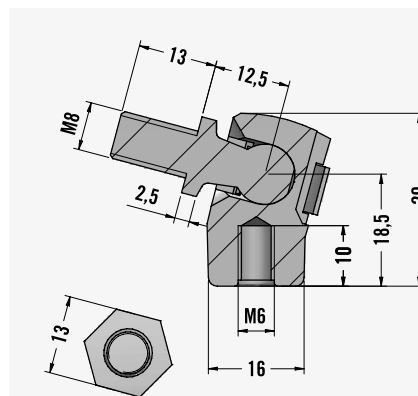
C.19

C.22

S.8

S.10

M.P

F.B**P93****TSPM6+
SN1BESA111**

compatibile con snodo ø 10
/ compatible with joint ø 10

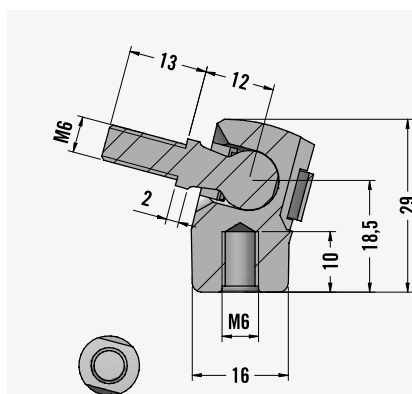
C.19

C.22

S.8

S.10

M.P

F.B**P94****TSPM6+
SN3**

compatibile con snodo ø 10
/ compatible with joint ø 10

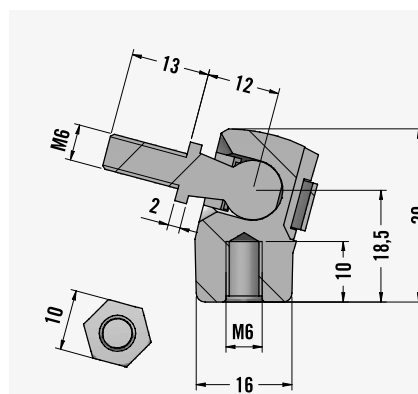
C.19

C.22

S.8

S.10

M.P

F.B**P95****TSPM6+
SN3.ESA**

compatibile con snodo ø 10
/ compatible with joint ø 10

C.19

C.22

S.8

S.10

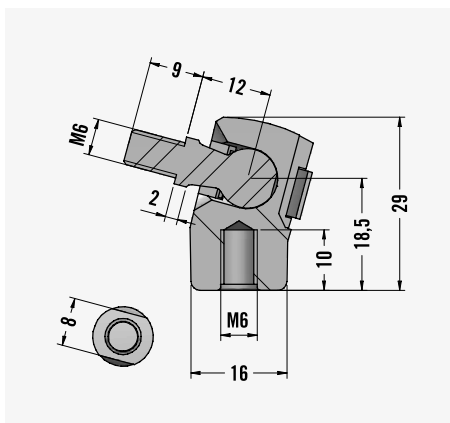
M.P

F.B

/P

ATTACCHI SNODATI FILETTATI

/ screwed ball joints

**P96**TSPM6+
SN3 9

compatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

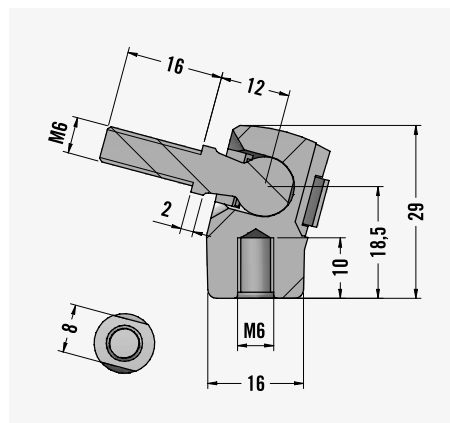
C.19

C.22

S.8

S.10

M.P

F.B**P97**TSPM6+
SN3 16

compatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

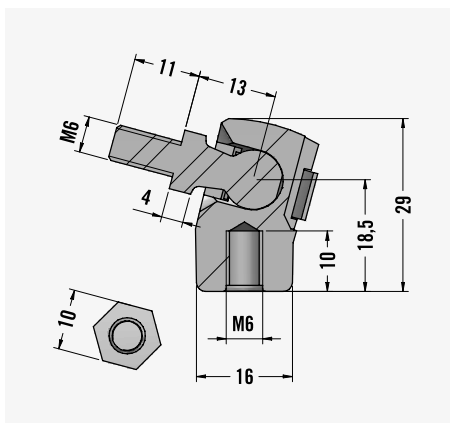
C.19

C.22

S.8

S.10

M.P

F.B**P98**TSPM6+
SN3 ESA4

compatibile con snodo $\varnothing$ 10
/ compatible with joint $\varnothing$ 10

C.19

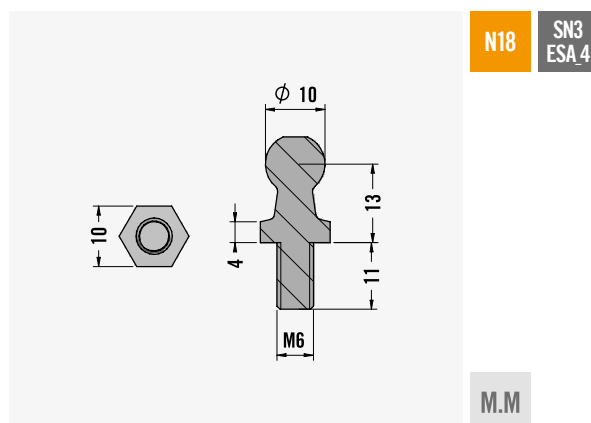
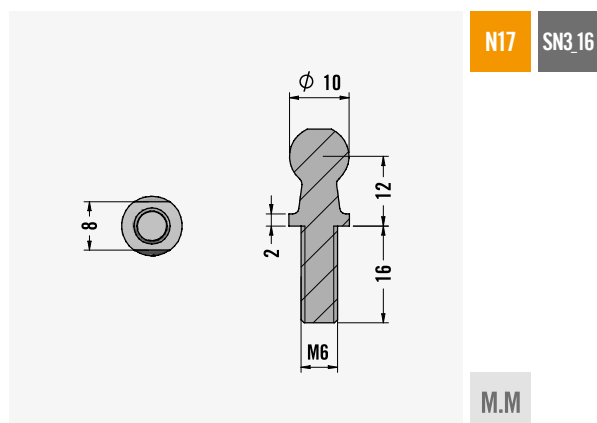
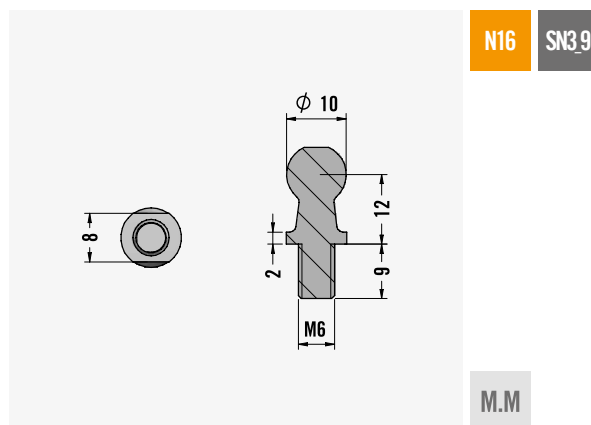
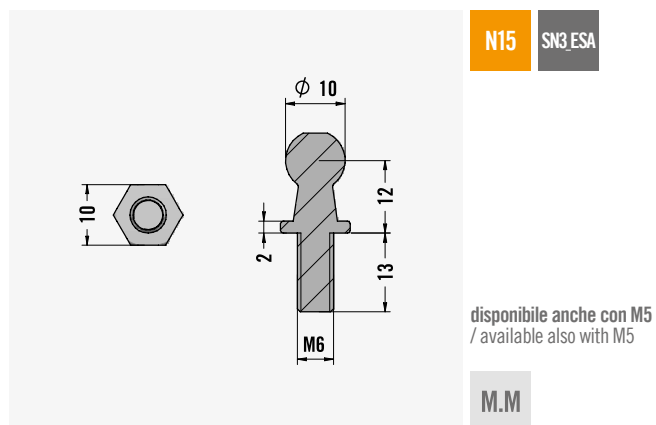
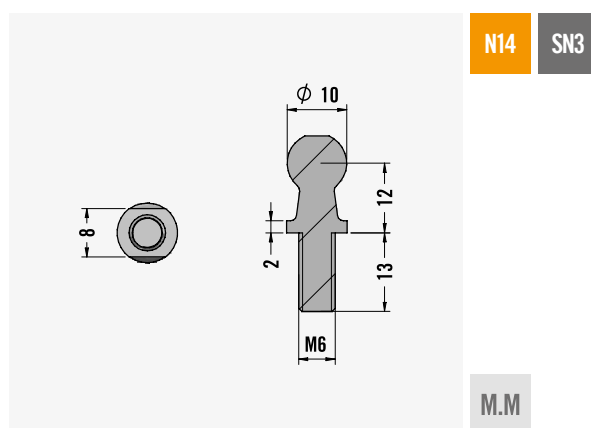
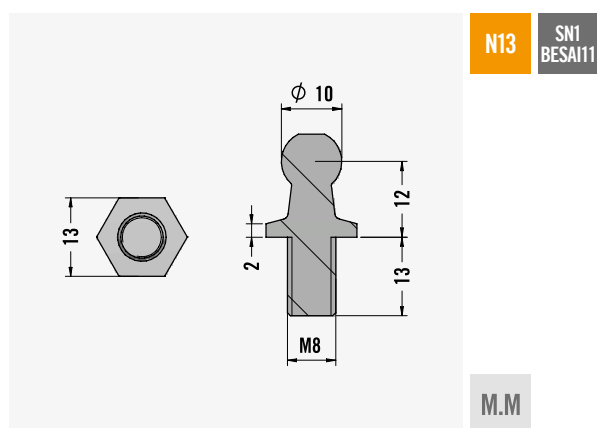
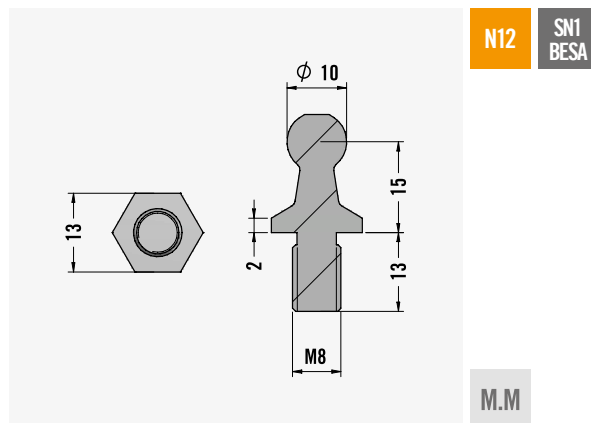
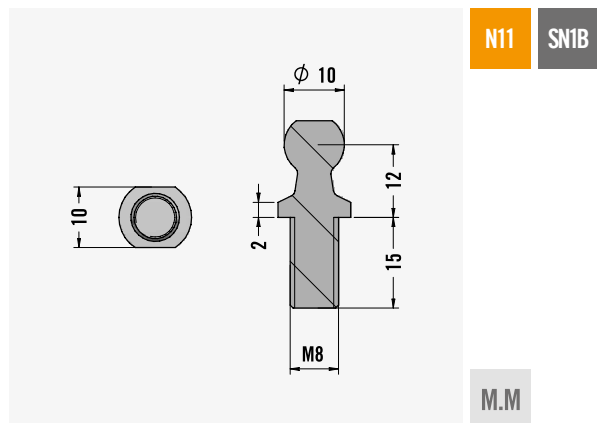
C.22

S.8

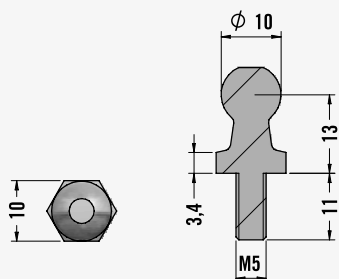
S.10

M.P

F.B



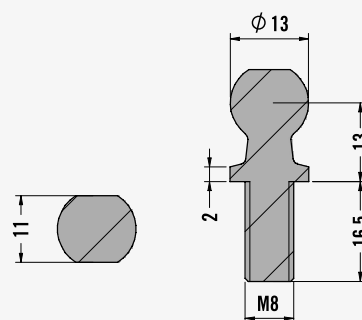
/ N

SNODI
/ joints

N19

SN3M
5ESA

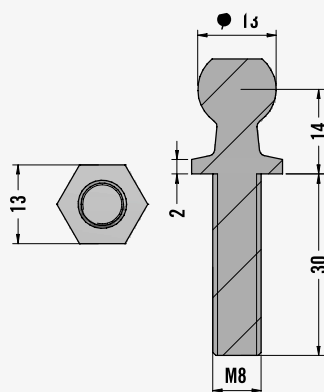
M.M



N21

TS2SN

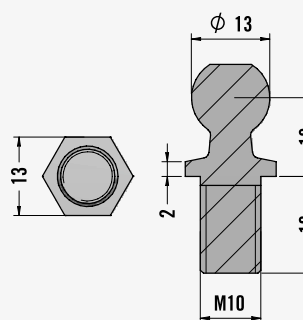
M.M



N24

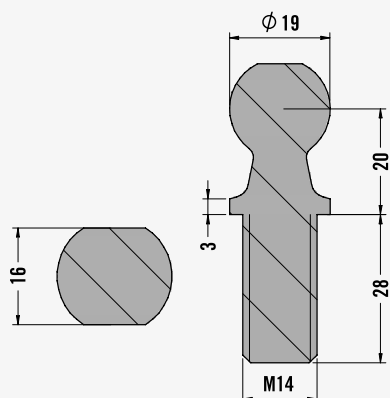
SN2
M8H30

M.M



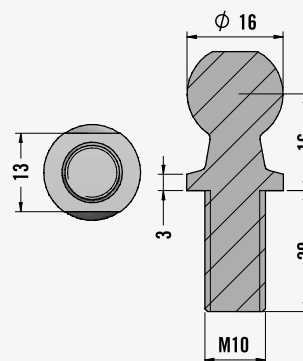
N25

M.M



N26

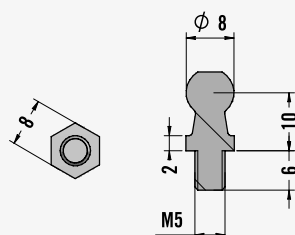
M.M



N31

TS3SN

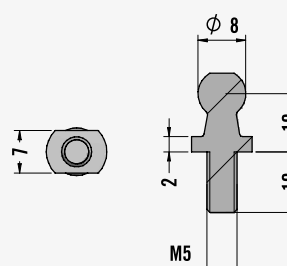
M.M



N82

SN4
ACC

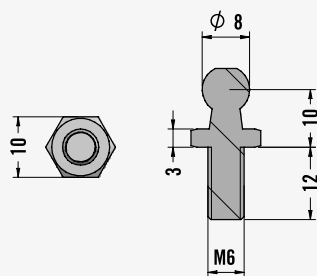
M.M



N81

SN4

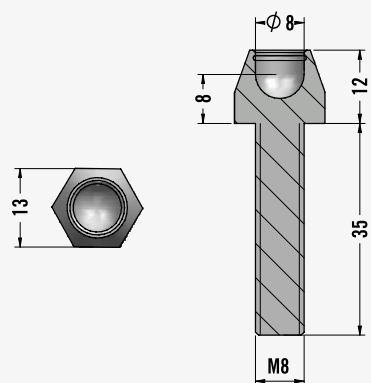
M.M



N83

SN1AL

M.M

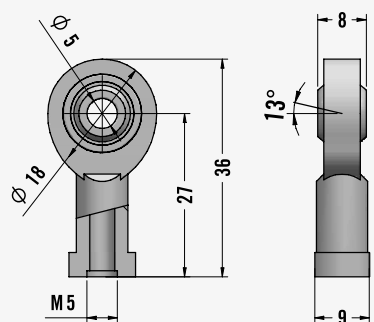


NP8

PES
NM8compatibile con sfera ø 8
/ compatible with sphere ø 8

M.M

/U

UNIBALL
/ uniball

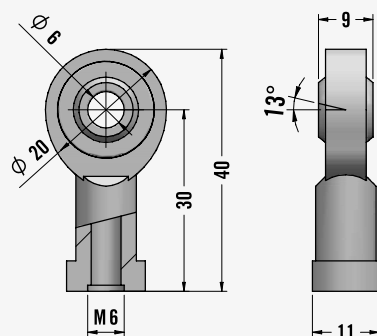
U05

C.15

S.6

M.M

F.Z



U06

C.15

C.19

C.22

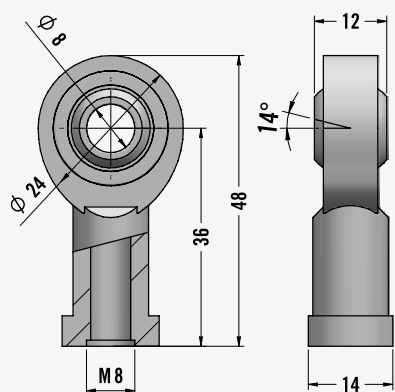
S.6

S.8

S.10

M.M

F.Z



U08

C.19

C.22

C.28

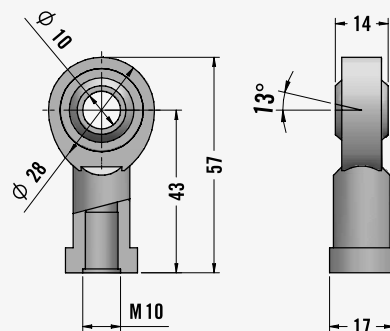
S.8

S.10

S.14

M.M

F.Z



U10

C.22

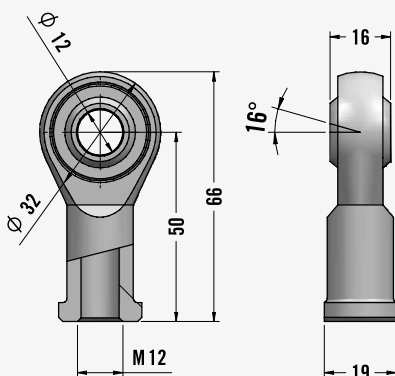
C.28

S.10

S.14

M.M

F.Z



U12

C.28

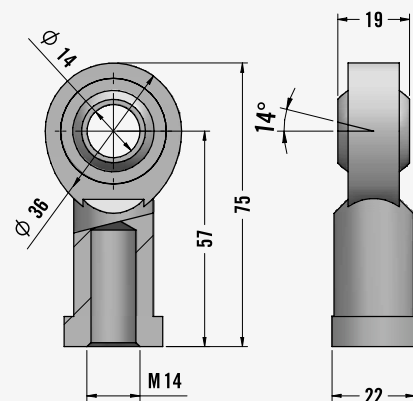
C.40

S.14

S.20

M.M

F.Z



U14

C.28

C.40

S.14

S.20

M.M

F.Z

STAFFE DI FISSAGGIO

/ brackets

/ SF

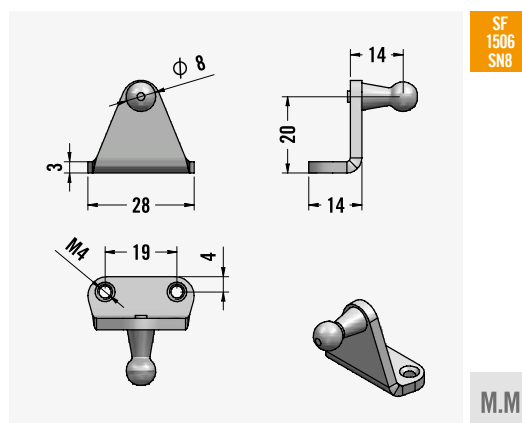
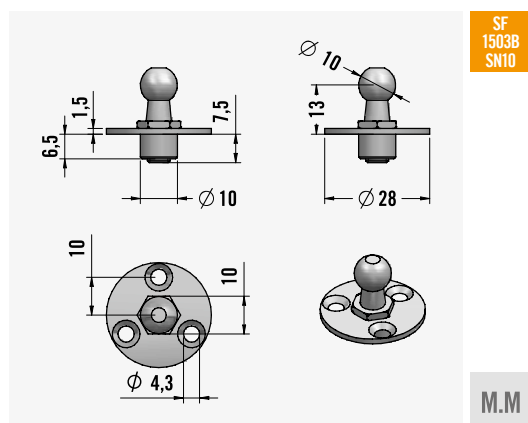
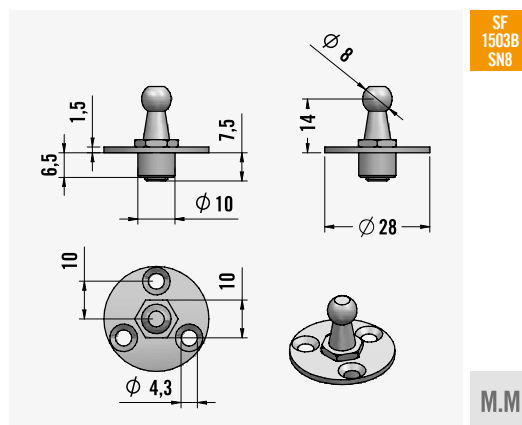
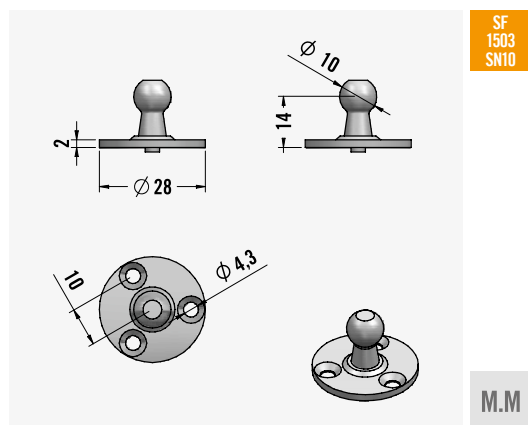
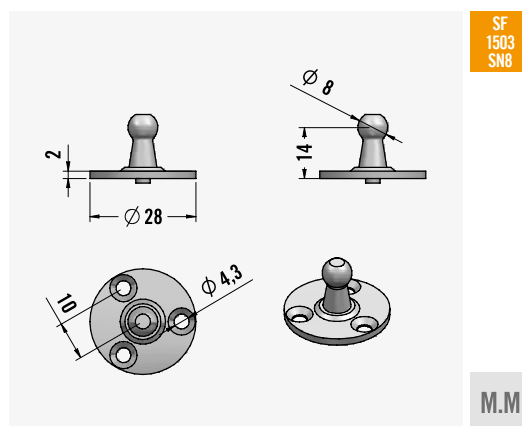
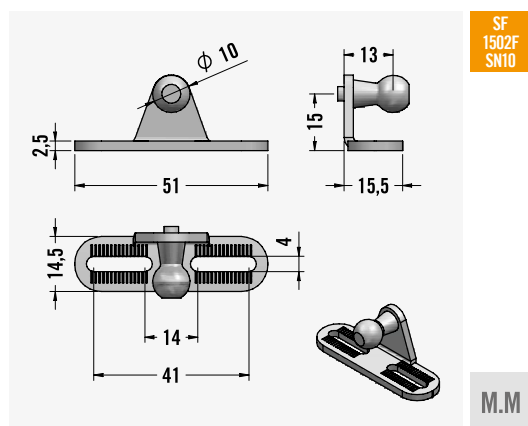
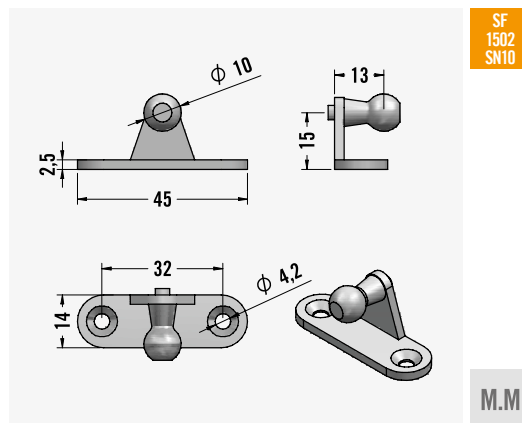
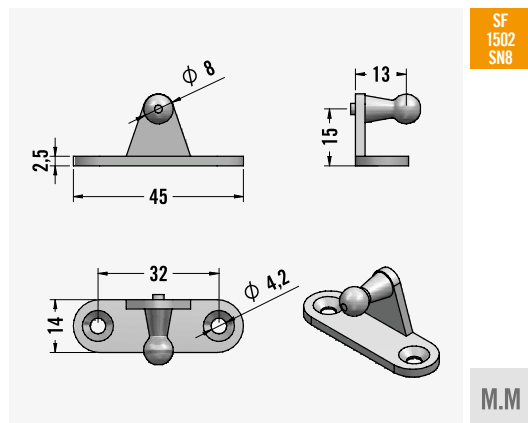
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STAFFE CARICO LEGGERO

/ light load brackets

limite spinta molla 200N / force limit 200N

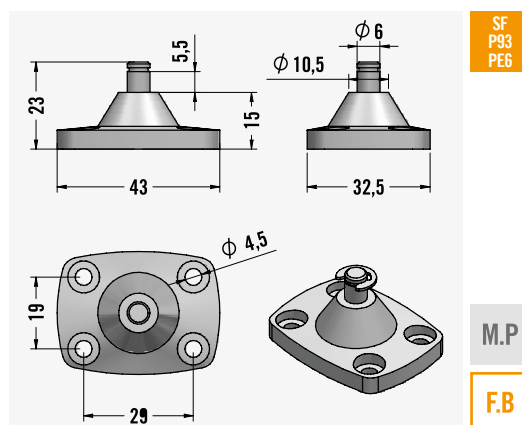
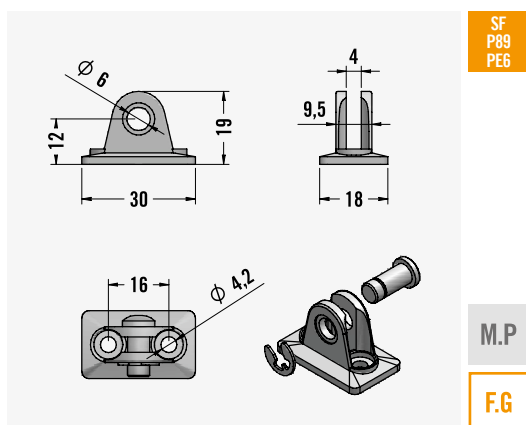
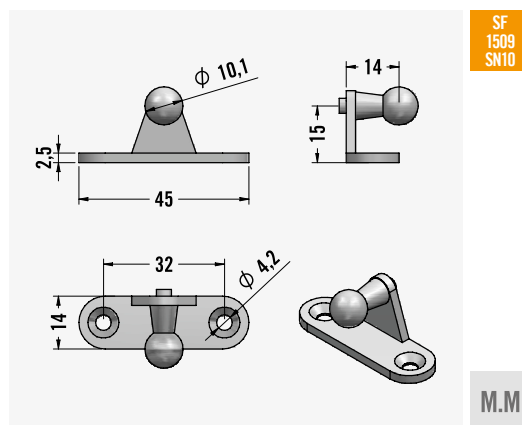
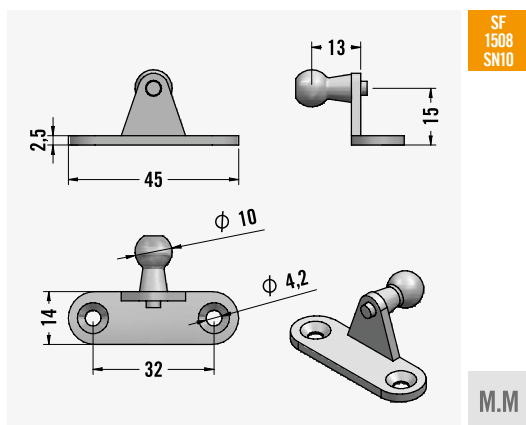
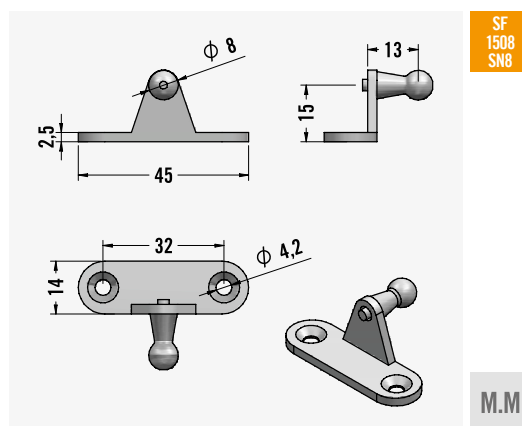
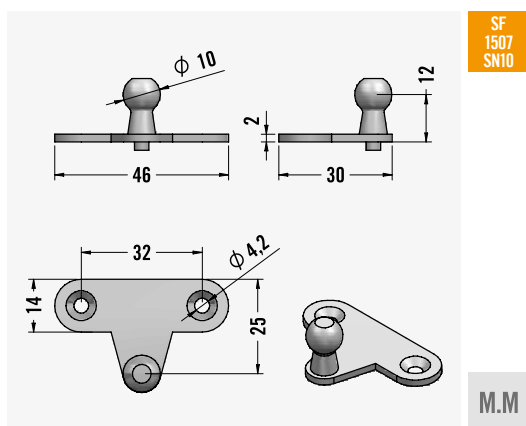
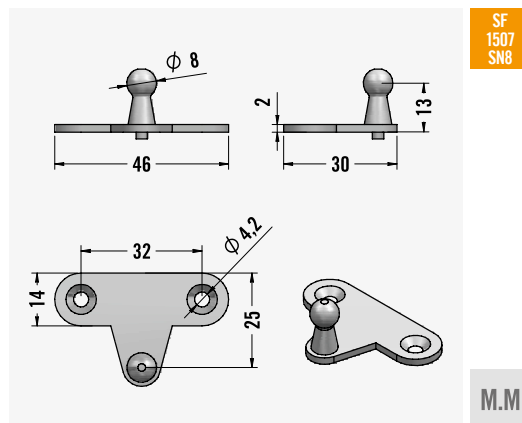
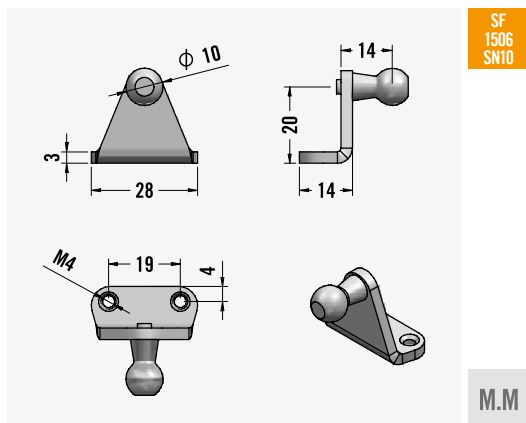
/ SF



/ SF

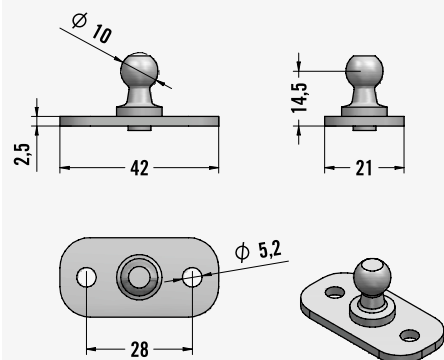
STAFFE CARICO LEGGERO
/ light load brackets

limite spinta molla 200N / force limit 200N



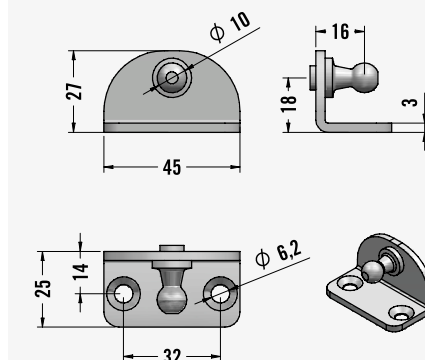
STAFFE CARICO PESANTE / heavy load brackets

/ SF

SF
1061
SN10

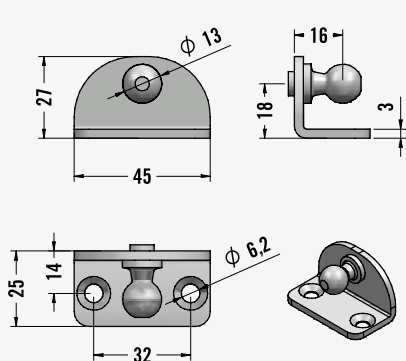
M.M

F.Z

SF
1700
SN10

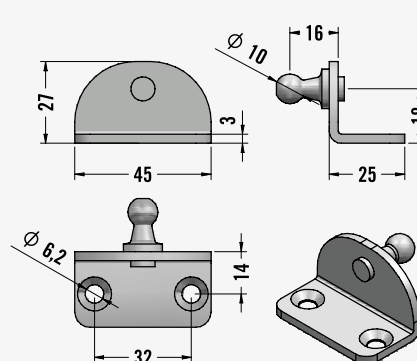
M.M

F.Z

SF
1700
SN13

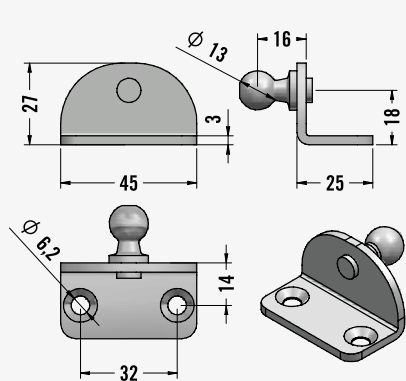
M.M

F.Z

SF
1701
SN10

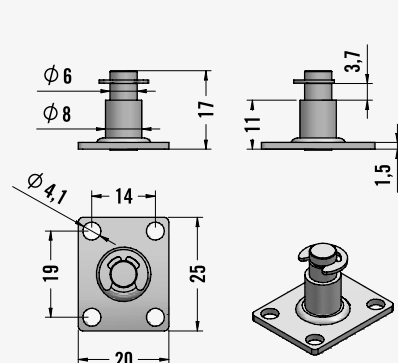
M.M

F.Z

SF
1701
SN13

M.M

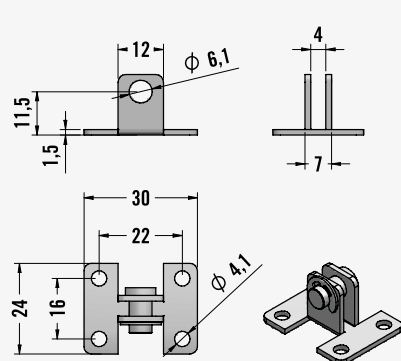
F.Z

SF
1500

M.M

F.Z

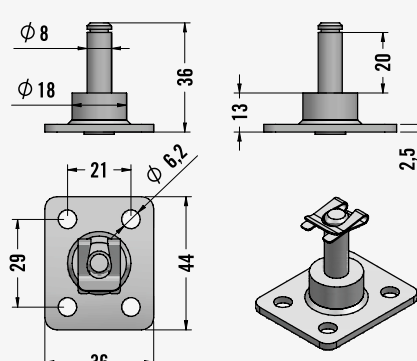
F.B

SF
1501

M.M

F.Z

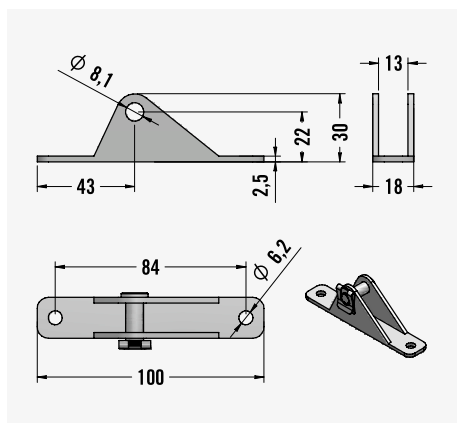
F.B

SF
1504
PE8

M.M

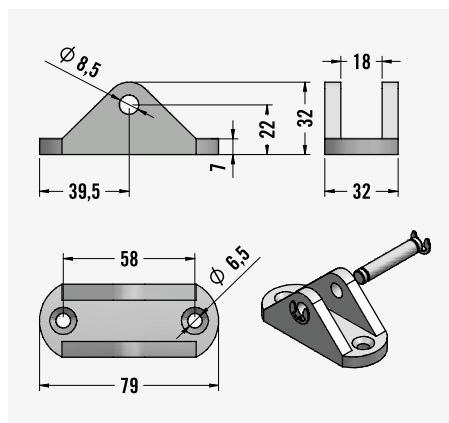
F.Z

/ SF

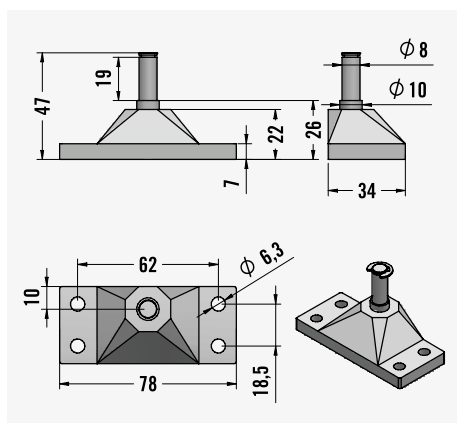
STAFFE CARICO PESANTE
/ heavy load bracketsSF
1505
PE8

M.M

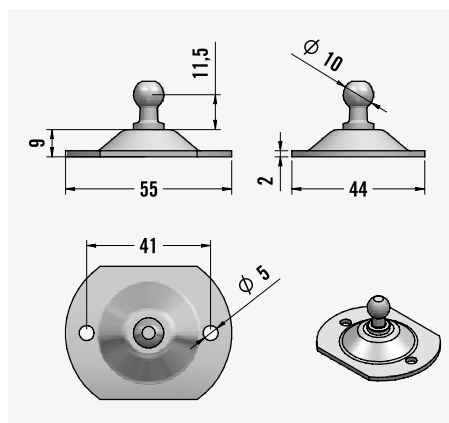
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SF
A200
PE8

M.M

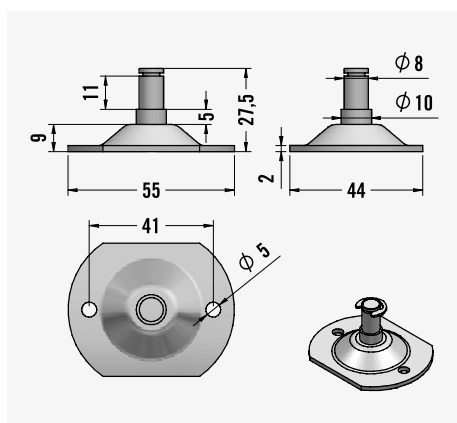
SF
A201
PE8

M.M

SF
BRK012
SN10

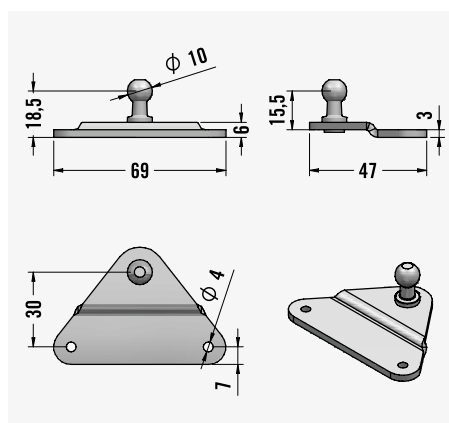
M.M

F.Z

SF
BRK015
PE8

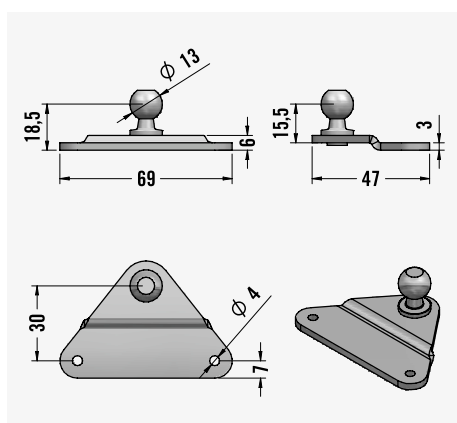
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F.Z

SF
BRK023
SN10

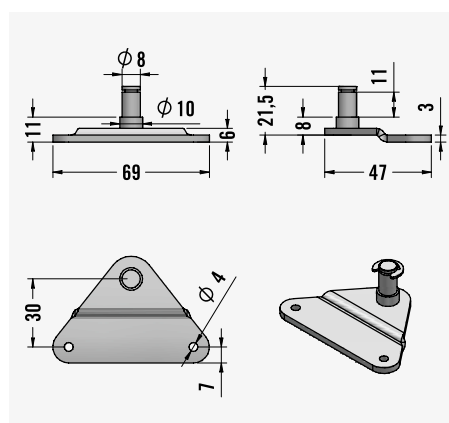
M.M

F.Z

SF
BRK023
SN13

M.M

F.Z

SF
BRK025
PE8

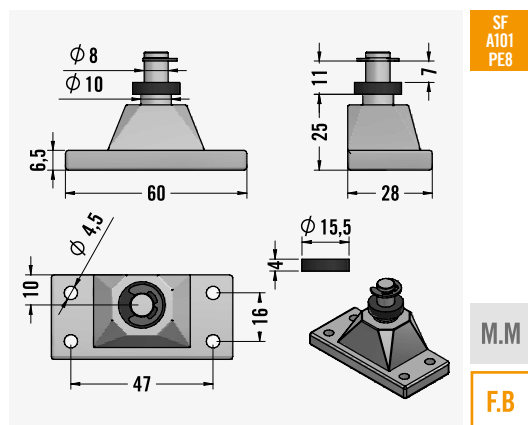
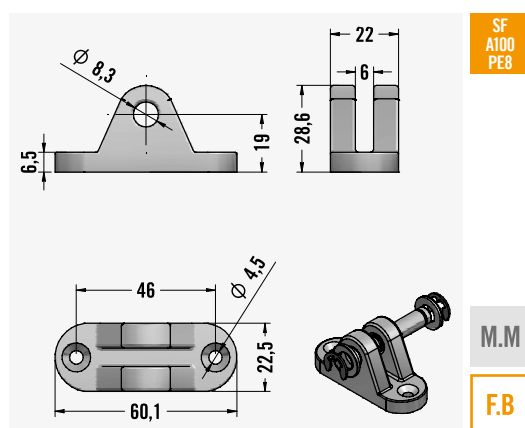
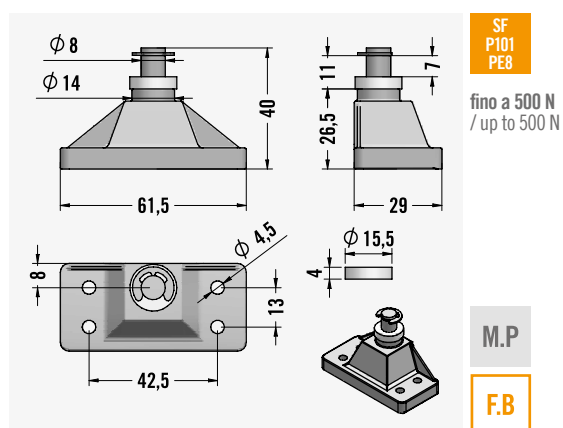
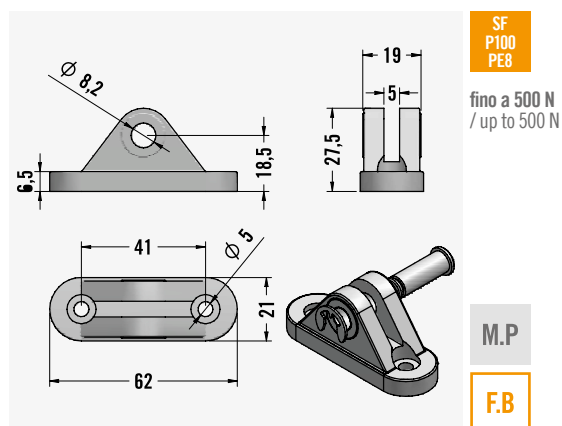
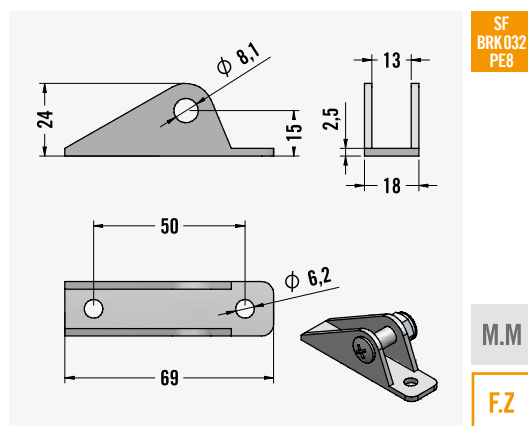
M.M

F.Z

STAFFE CARICO PESANTE

/ heavy load brackets

/ SF



ATTACCHI E STAFFE INOX AISI316L

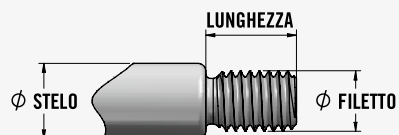
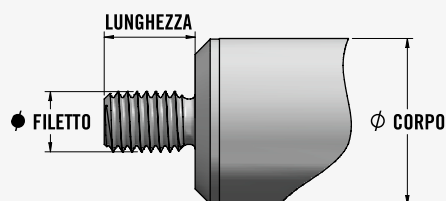
/ AISI316L stainless steel fittings and brackets

/ G	/ FI	pag. 60	
/ XC	/ FC	pag. 62	
/ XF	/ RF	pag. 63	
/ XG	/ RS	pag. 64	
/ XT	/ TF	pag. 65	
/ XS	/ TS	pag. 67	
	/ SF	pag. 69	

FILETTI INOX

/ stainless steel screws

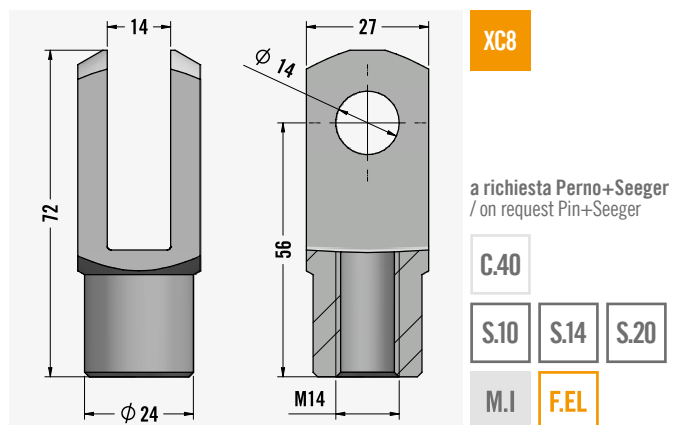
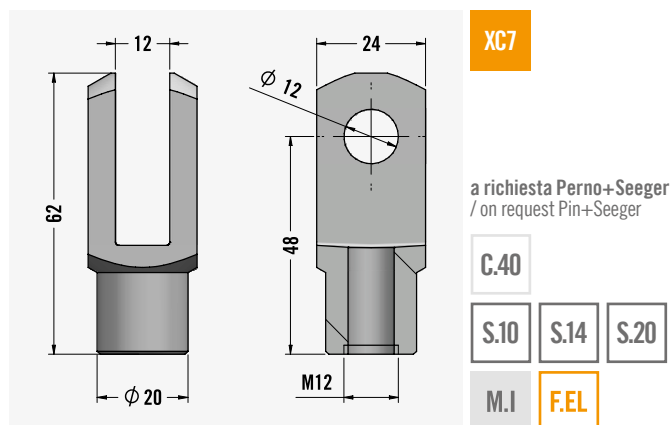
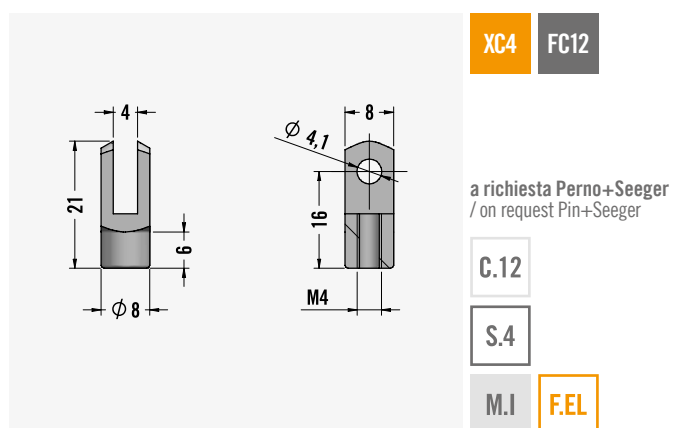
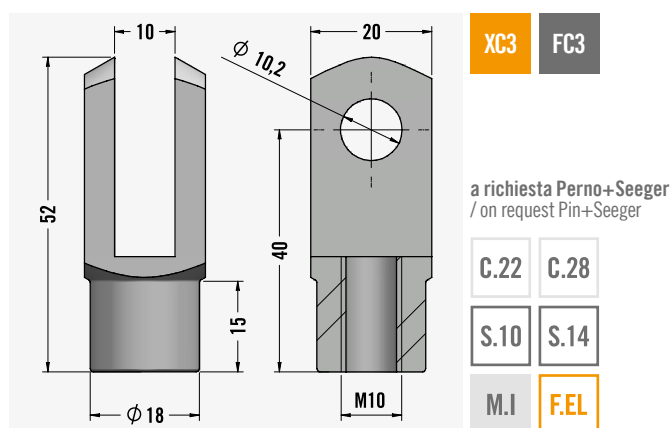
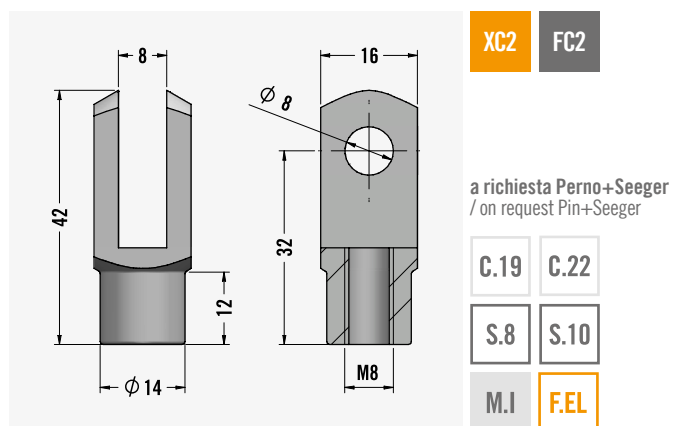
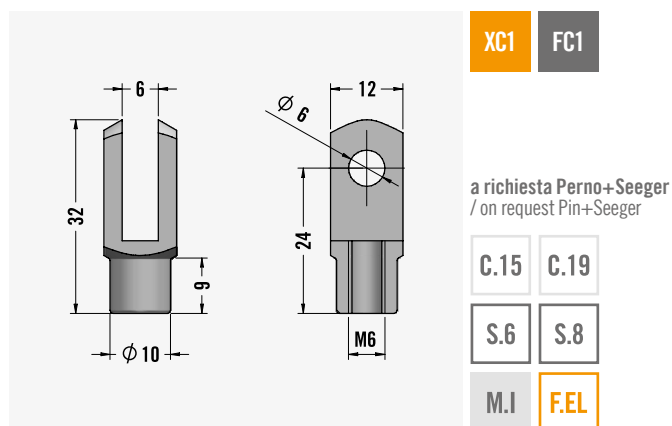
/ G



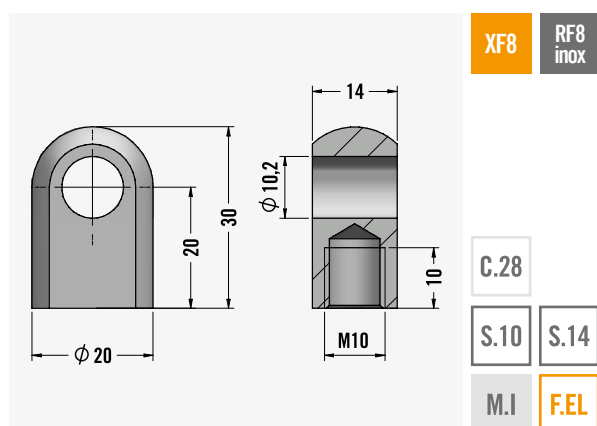
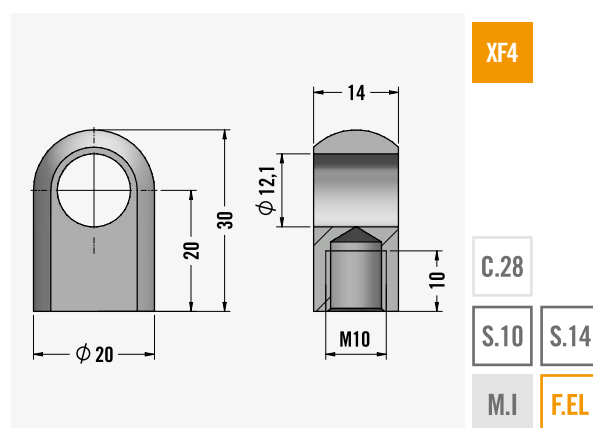
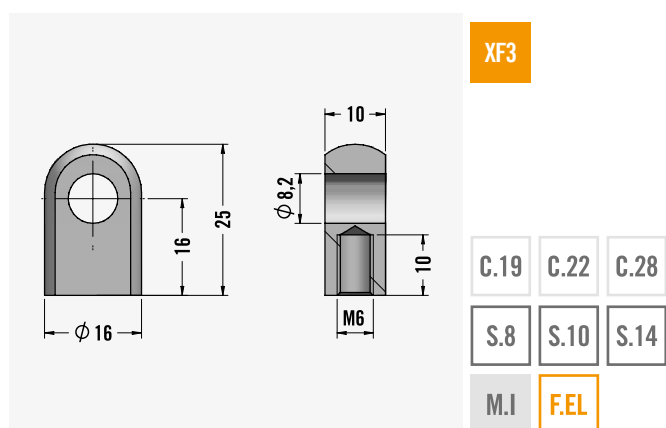
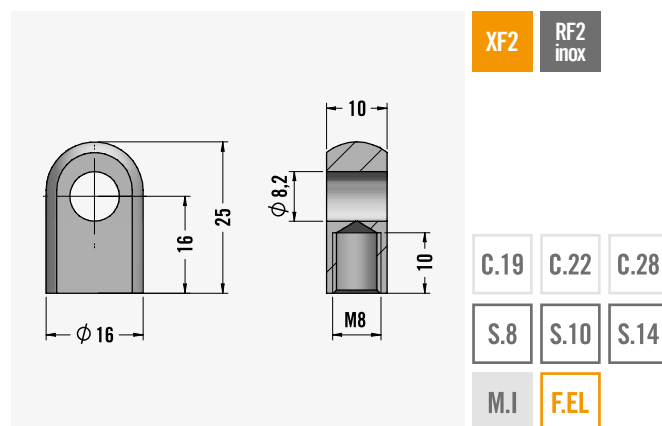
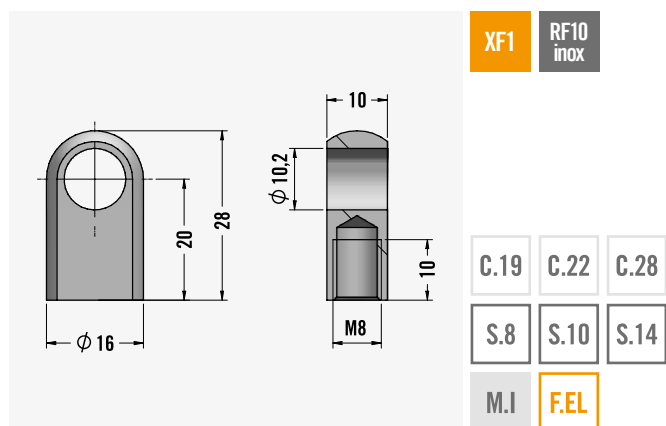
CODICE / code	FILETTO / thread	LUNGHEZZA / length	DIAMETRO CORPO / diameter body	DIAMETRO STELO / diameter rod	MATERIALI / materials
G45	M4	5 mm	12	4	M.I
G57	M5	7 mm	15 / 19	6 / 8	M.I
G66	M6	6 mm	15 / 19 / 22	6 / 8 / 10	M.I
G60	M6	10 mm	15 / 19 / 22	6 / 8 / 10	M.I
G81	M8	10 mm	19 / 22 / 28	8 / 10 / 14	M.I
G88	M8	8 mm	19 / 22	8 / 10	M.I
G11	M10	10 mm	22 / 28	10 / 14	M.I
GB5	M12	10 mm	40	14 / 20	M.I
GD5	M14	15 mm	40	20	M.I

FORCELLE FILETTATE INOX / stainless steel screwed forks

/ XC

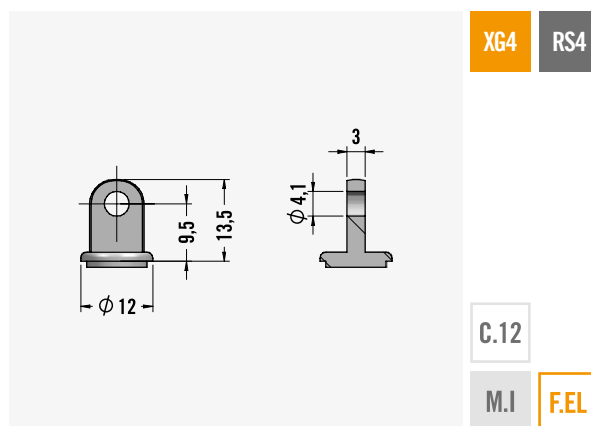
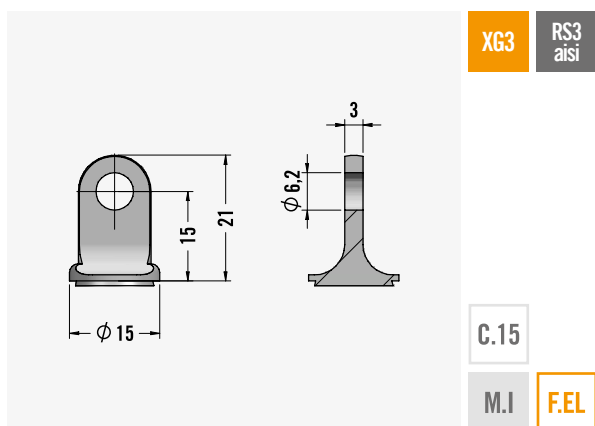
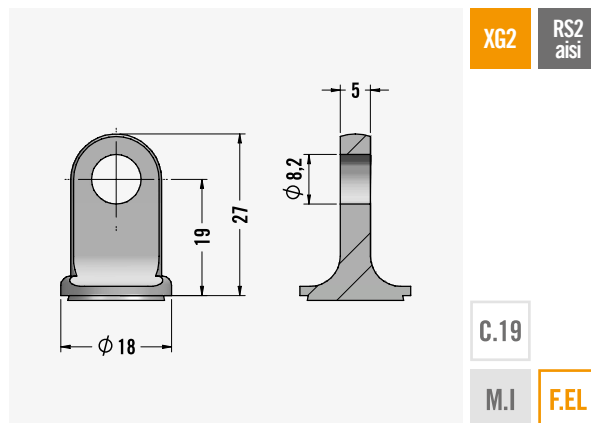
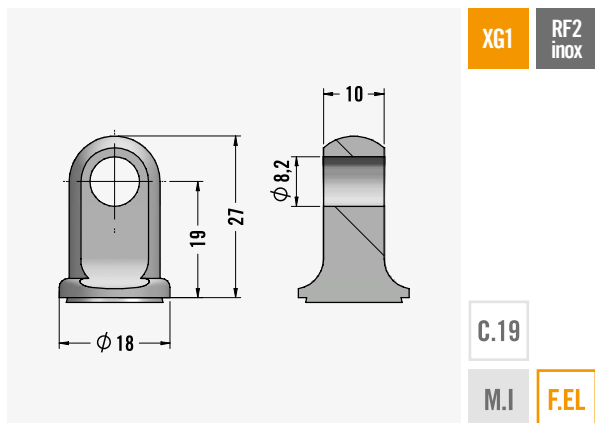


/XF

OCCHIELLI FILETTATI INOX
/ stainless steel screwed eyelets

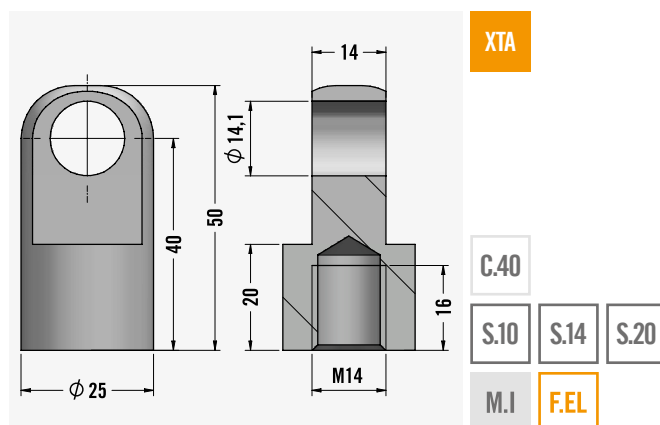
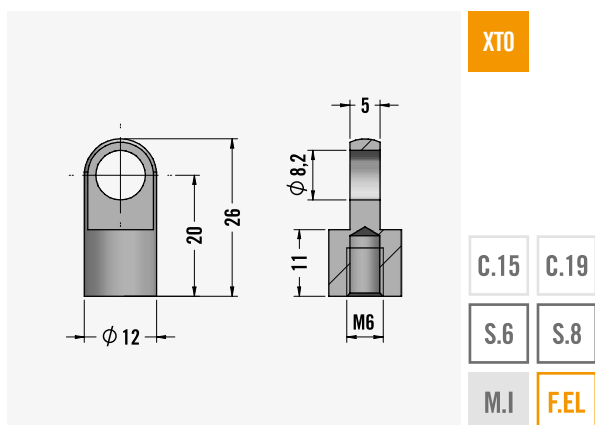
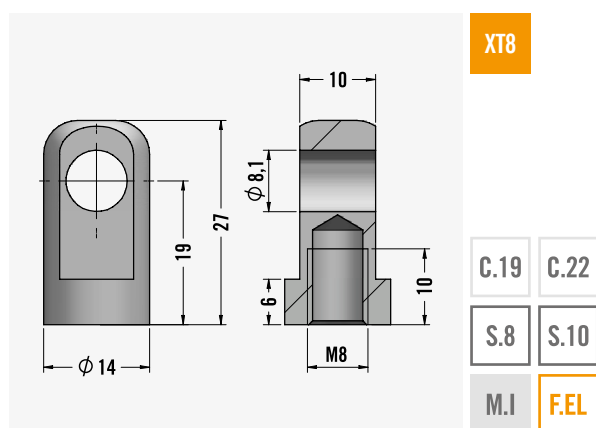
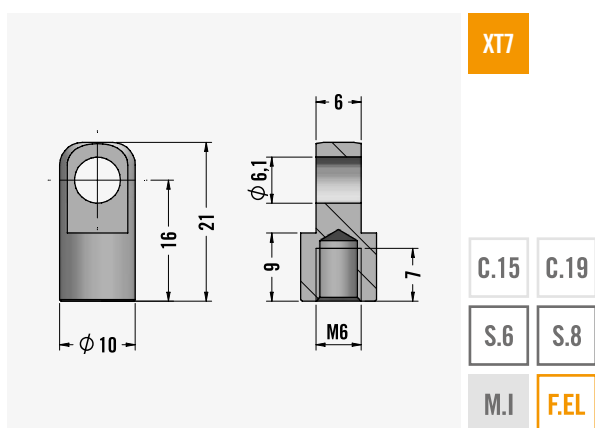
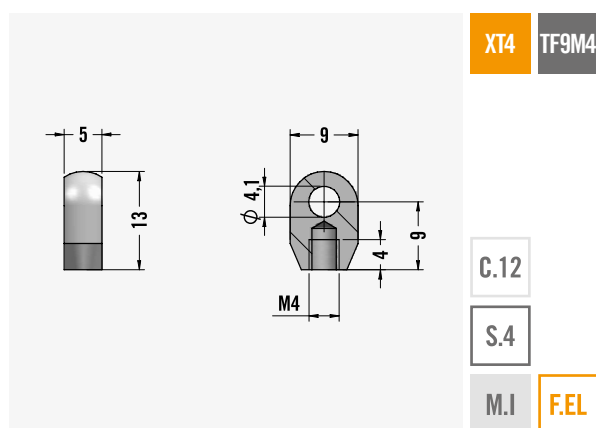
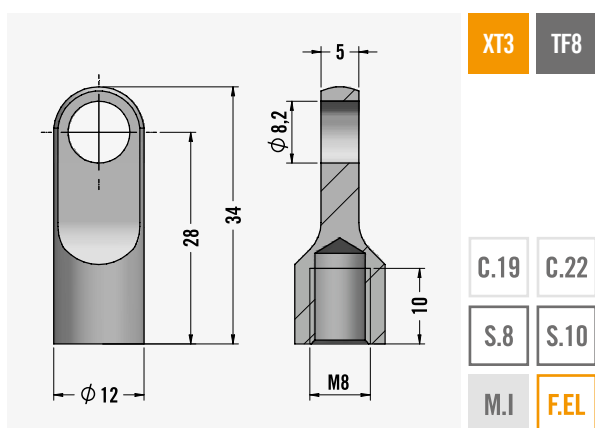
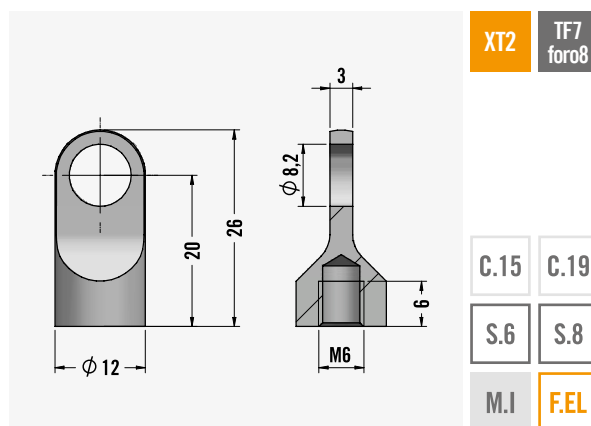
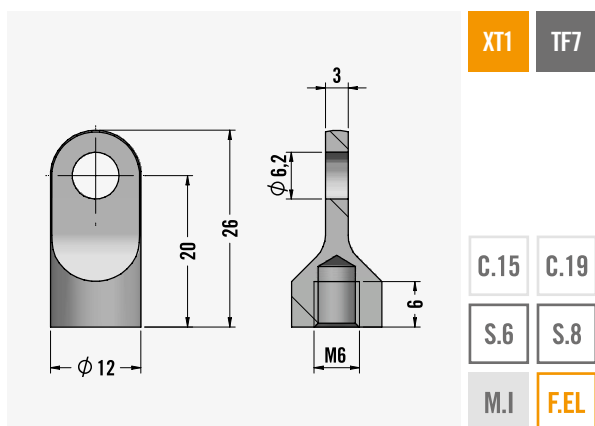
OCCHIELLI SALDATI INOX / stainless steel welded eyelets

/ XG





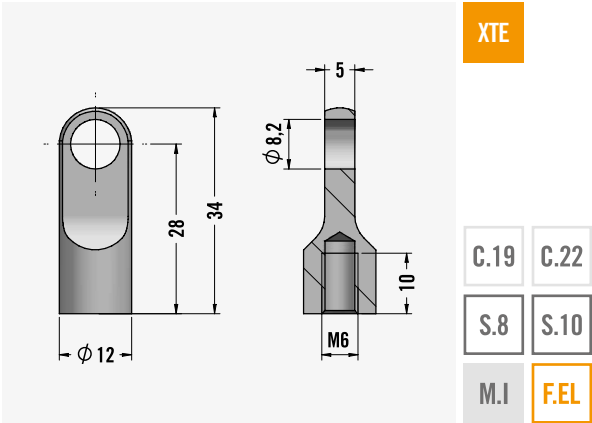
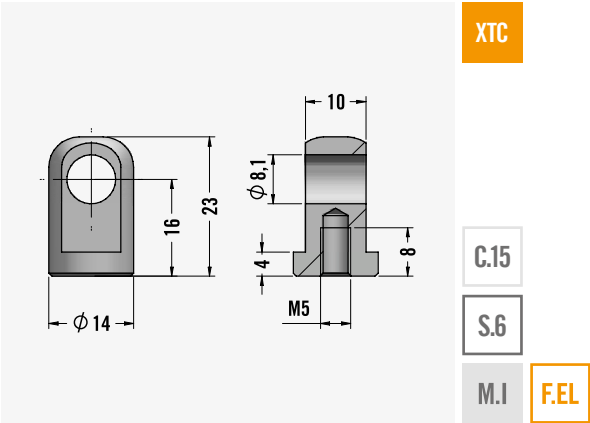
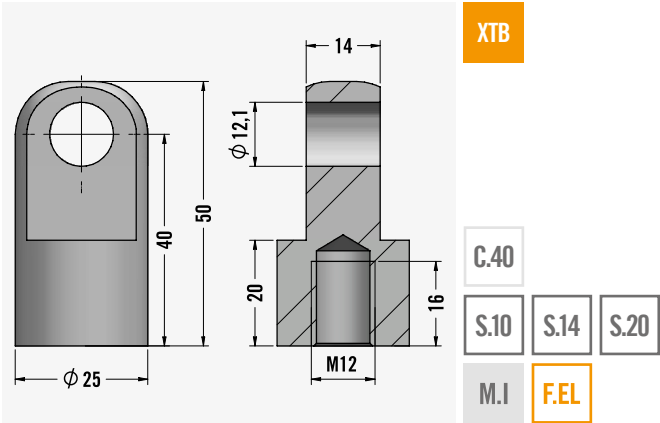
/XT

OCCHIELLI FILETTATI INOX
 / stainless steel screwed eyelets


OCCHIELLI FILETTATI INOX

/ stainless steel screwed eyelets

/ XT





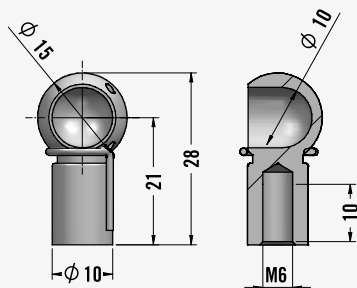
/XS

ATTACCHI SNODATI FILETTATI

/screwed ball joints

XAO

TS1ACC



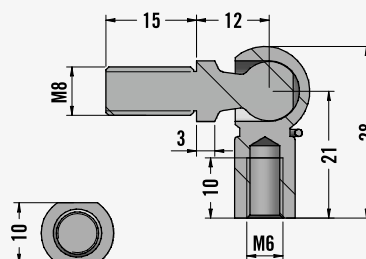
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

S.6 S.8 S.10

M.I. **F.E.L.**

XA1

TS1ACC
+SN1B

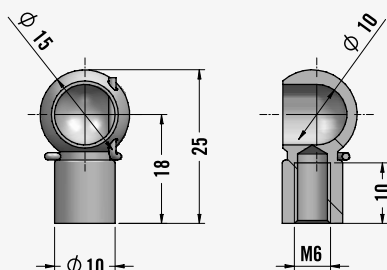
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

S.6 S.8 S.10

M.I. **F.E.L.**

XAP



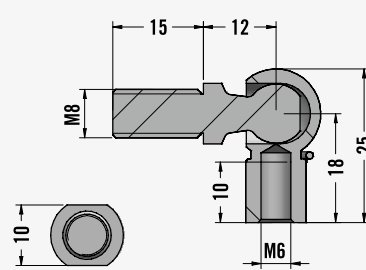
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

S.6 S.8 S.10

M.I. **F.E.L.**

XAS

SN1B
316

compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

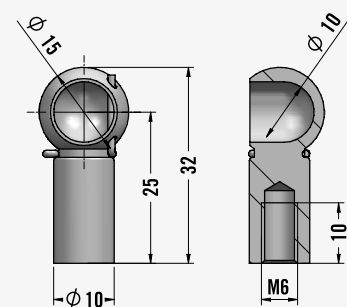
C.15 C.19 C.22

S.6 S.8 S.10

M.I. **F.E.L.**

XS0

TS1



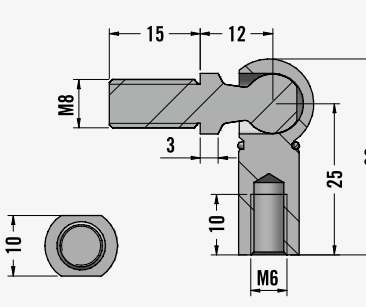
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

S.6 S.8 S.10

M.I. **F.E.L.**

XS1

TS1+
SN1B

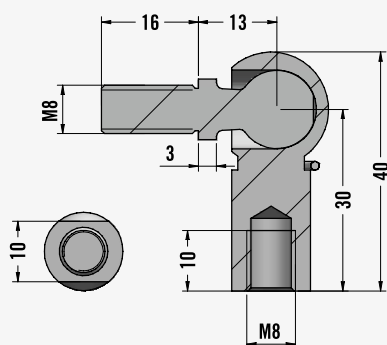
compatibile con snodo $\varnothing 10$
/ compatible with joint $\varnothing 10$

C.15 C.19 C.22

S.6 S.8 S.10

M.I. **F.E.L.**

XS2

TS2+
TS2SN

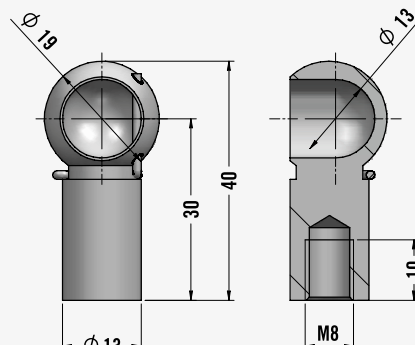
compatibile con snodo $\varnothing 13$
/ compatible with joint $\varnothing 13$

C.19 C.22 C.28

S.8 S.10 S.14

M.I. **F.E.L.**

X2F



compatibile con snodo $\varnothing 13$
/ compatible with joint $\varnothing 13$

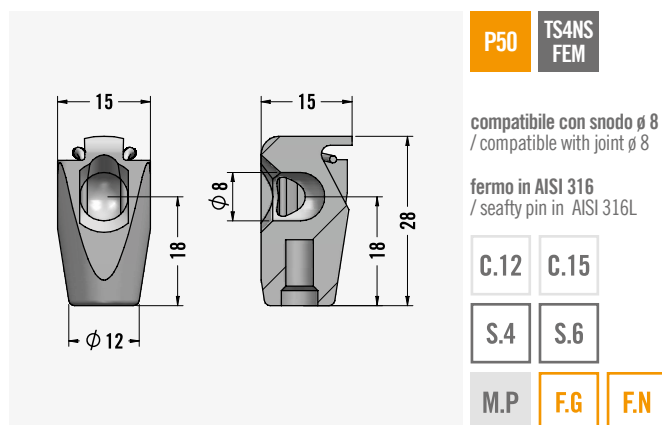
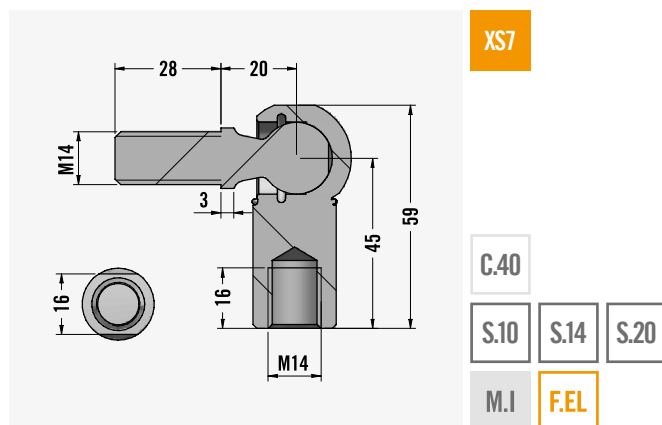
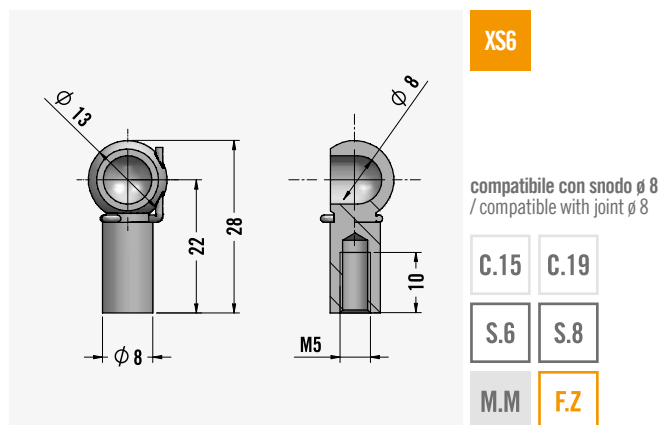
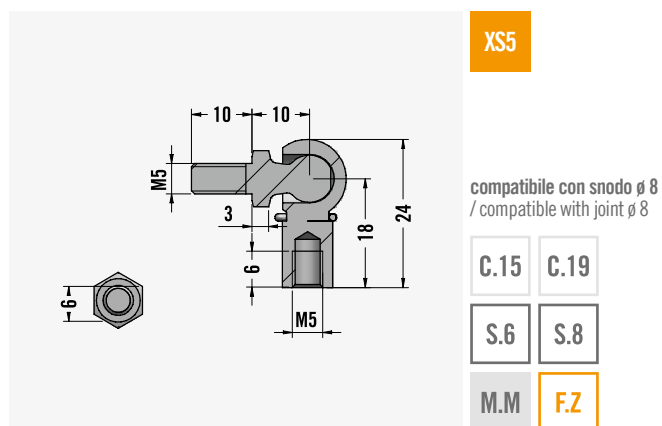
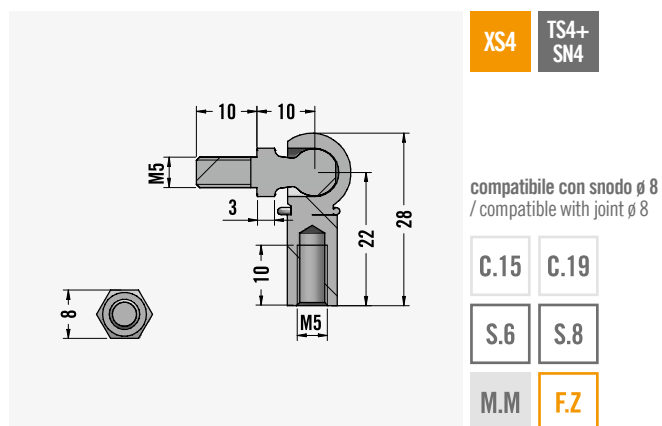
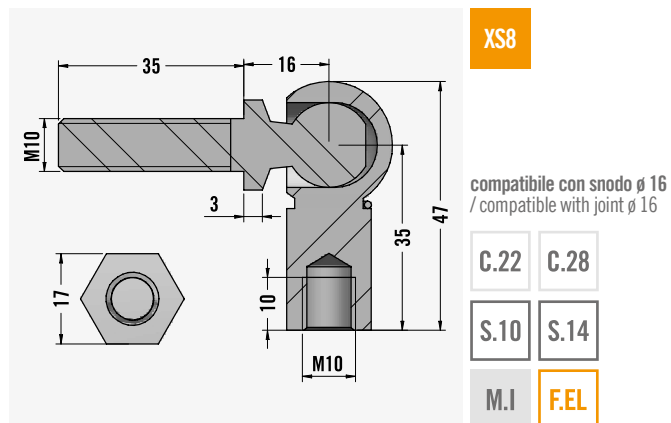
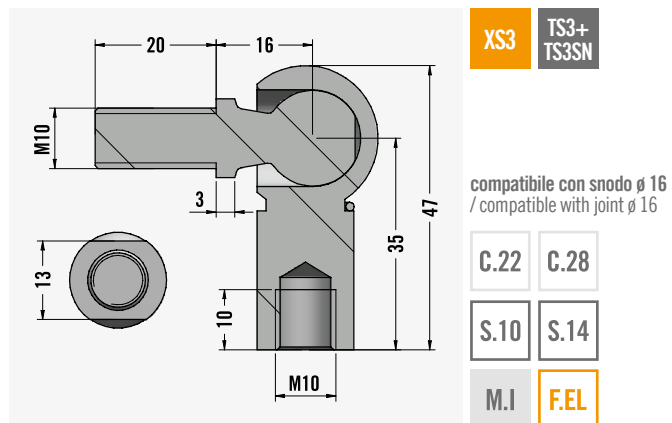
C.19 C.22 C.28

S.8 S.10 S.14

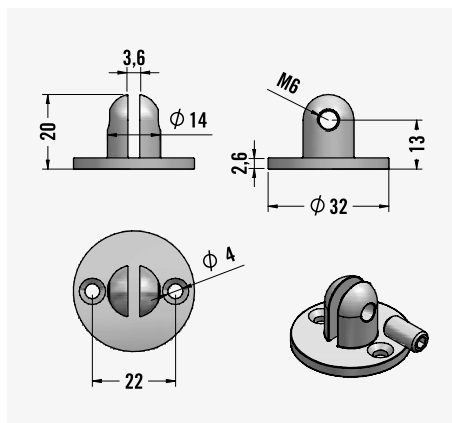
M.I. **F.E.L.**

ATTACCHI SNODATI FILETTATI / screwed ball joints

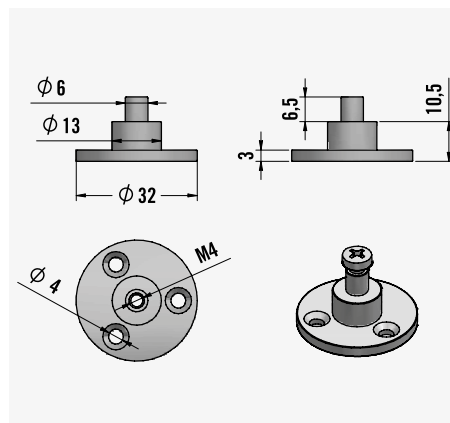
/ XS



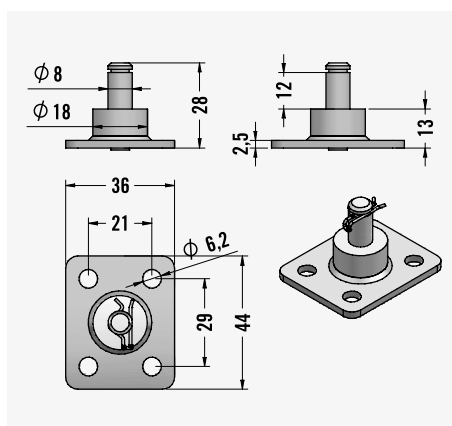
/ SF

STAFFE INOX
/ stainless steel bracketsSF
1551
PE6ottone cromato
/ chromed brass

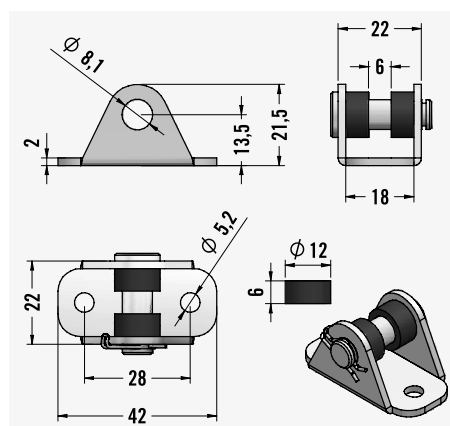
M.I

SF
1552
PE6ottone cromato
/ chromed brass

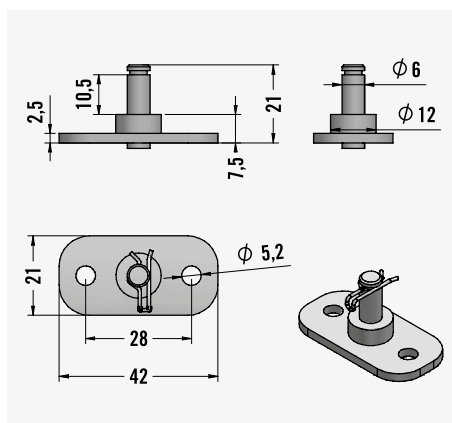
M.I

SF
1554
PE8

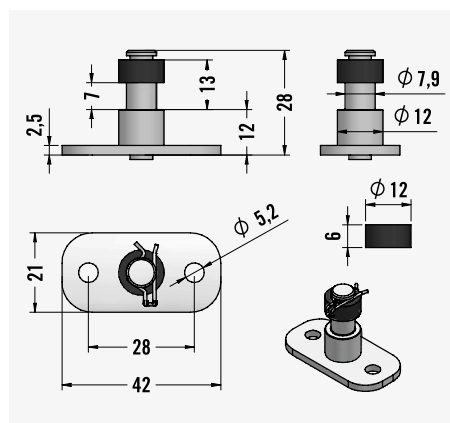
M.I F.E.L

SF
1555
PE8

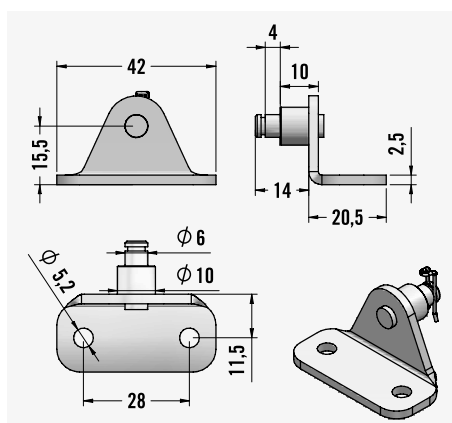
M.I F.E.L

SF
1556
PE6fino a 500 N
/ up to 500 N

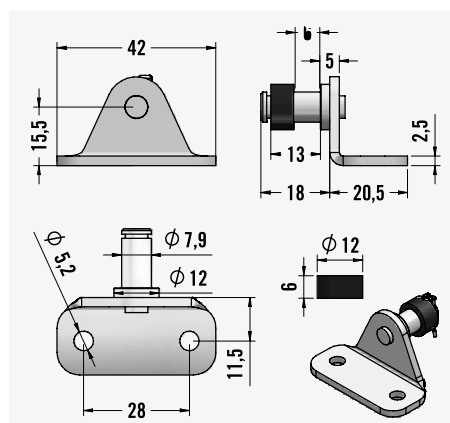
M.I F.E.L

SF
1556
PE8fino a 500 N
/ up to 500 N

M.I F.E.L

SF
1557
PE6fino a 500 N
/ up to 500 N

M.I F.E.L

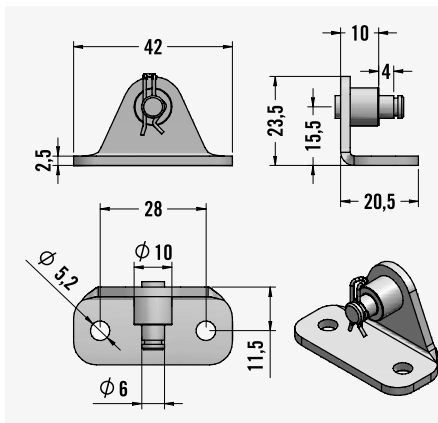
SF
1557
PE8fino a 500 N
/ up to 500 N

M.I F.E.L

STAFFE INOX

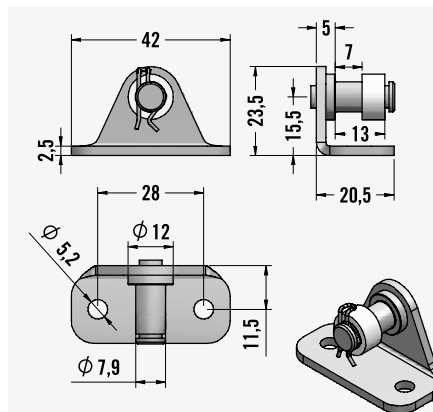
/ stainless steel brackets

/ SF

SF
1558
PE6fino a 500 N
/ up to 500 N

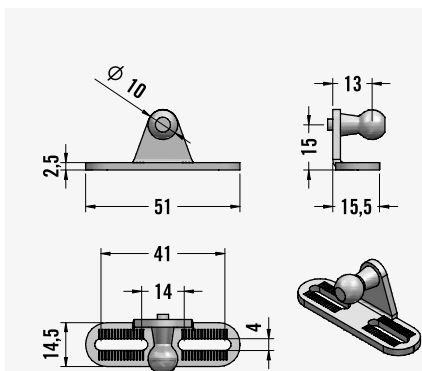
M.I

F.E.L

SF
1558
PE8fino a 500 N
/ up to 500 N

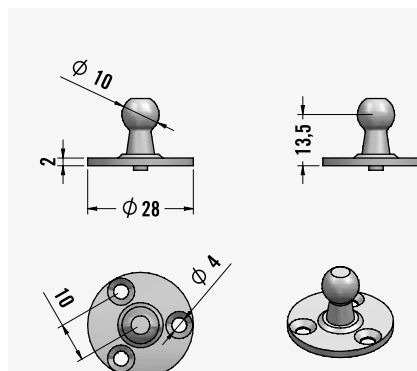
M.I

F.E.L

SF
1559fino a 200 N
/ up to 200 Na richiesta con snodo ϕ 8
/ on request with joint ϕ 8

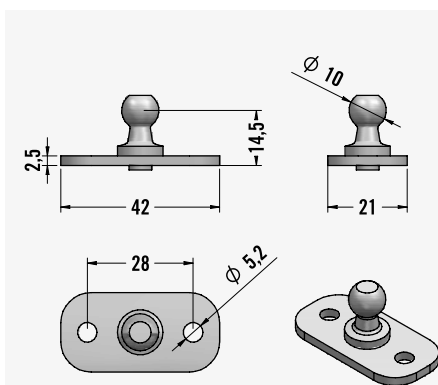
M.I

F.E.L

SF
1560fino a 200 N
/ up to 200 Na richiesta con snodo ϕ 8
/ on request with joint ϕ 8

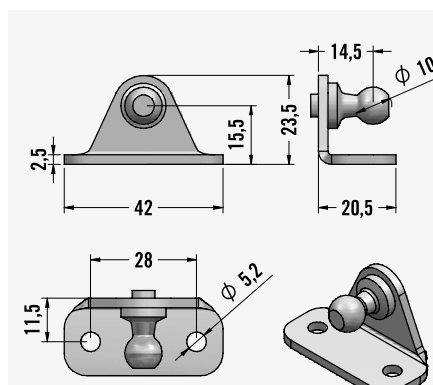
M.I

F.E.L

SF
1561fino a 500 N
/ up to 500 Na richiesta con snodo ϕ 8
/ on request with joint ϕ 8

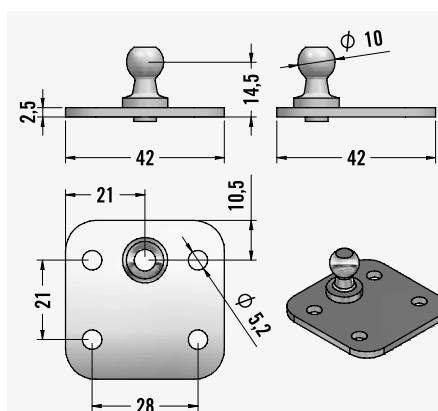
M.I

F.E.L

SF
1562fino a 500 N
/ up to 500 Na richiesta con snodo ϕ 8
/ on request with joint ϕ 8

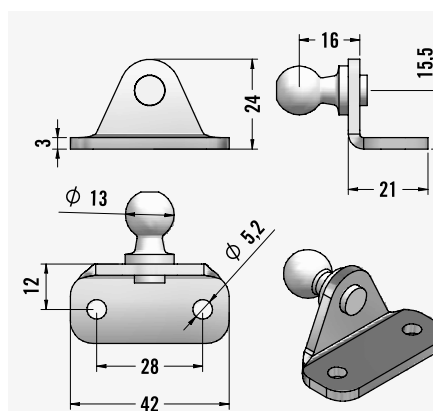
M.I

F.E.L

SF
1563fino a 500 N
/ up to 500 N

M.I

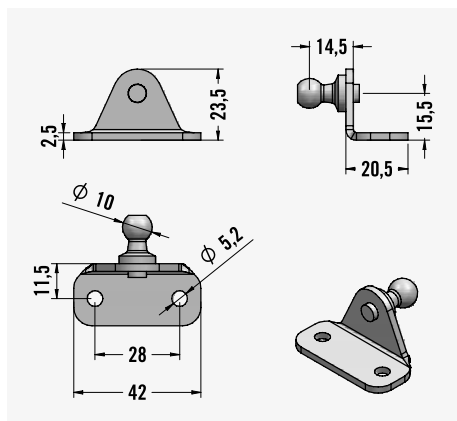
F.E.L

SF
1564fino a 500 N
/ up to 500 N

M.I

F.E.L

/ SF

STAFFE INOX
/ stainless steel bracketsSF
1565ottone cromato
/ chromed brass

M.I

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