



# SAIL THE SEAS

WITH STAINLESS STEEL GAS SPRINGS



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## INDICE

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/ AISI 316L stainless steel gas springs
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/ AISI 316L gas springs w/ valve
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/ Stainless steel brackets

## MOLLE A GAS IN ACCIAIO INOX AISI 316L / AISI 316L stainless steel gas springs

### STAINLESS STEEL AISI 316L / AISI 316L stainless steel

La molla a gas stainless steel AISI 316L è impiegata in applicazioni che incontrano ambienti corrosivi particolarmente aggressivi quali quello marino, chimico, alimentare, medicale ecc.

La molla a gas è costituita da un cilindro in acciaio AISI 316L sigillato ed **elettrolucidato** e da uno stelo in acciaio inox AISI 316L trattato. Il componente guida stelo è in acciaio AISI 316L. Sul corpo e sullo stelo possono essere montati attacchi plastici o in acciaio inossidabile come specificato nel catalogo attacchi.

Per questa gamma di prodotto può essere richiesta la marcatura del codice laser e l'opzione valvola di carico/scarico.

Disponibile nella versione con olio food grade (FDA 21 CR 178 35 70).

*The AISI 316L stainless steel gas spring is used for applications in particularly corrosive environments such as in the marine, chemical, food and medical sectors.*

*The gas spring is made up of an AISI 316L sealed, **electropolished** steel cylinder and an AISI 316L treated stainless steel piston rod. The piston rod guide is also in AISI 316L steel. Plastic or stainless steel end fittings can be mounted on the cylinder and piston rod, as specified in the fittings catalogue.*

*For this range of products, laser code marking and a load/unload valve option are available on request.*

*Available with FDA 21 CR 178 35 70 food grade oil.*

### CODIFICA

/ Coding system

Nella tabella che segue vengono riassunti i codici, le corse e gamma di spinte raggiungibili con le molle in acciaio inossidabile.

*In the following table codes, strokes, forces for the stainless steel gas springs are indicated.*

SIGLA / Code	Ø CORPO / Cylinder ø mm / inches	Ø STELO / Piston rod ø mm / inches	CORSA UTILE (mm) / Stroke (mm) / Stroke (inches)	FORZA F1 NEWTON / Force F1 in newtons / lbs	PROGRESSIONE STANDARD / std progression
<b>A0S</b>	12 / 0.47	4 / 0.16	min 20 / max 120 min 0.8 / max 5	min 20 / max 150 min 4.5 / max 34	24% (F1x1.24)
<b>V1S</b>	15 / 0.59	6 / 0.24	min 20 / max 250 min 0.8 / max 10	min 20 / max 400 min 4.5 / max 90	30% (F1x1.30)
<b>V2A</b>	18.5 / 0.73	8 / 0.31	min 20 / max 350 min 0.8 / max 14	min 50 / max 700 min 11 / max 158	38% (F1x1.38)
<b>V3S</b>	22 / 0.87	10 / 0.39	min 50 / max 500 min 2 / max 20	min 100 / max 1300 min 22 / max 292	44% (F1x1.44)
<b>V4S</b>	28 / 1.1	10 / 0.39	min 50 / max 550 min 2 / max 22	min 100 / max 1300 min 22 / max 292	21% (F1x1.21)
<b>V5S</b>	28 / 1.1	14 / 0.55	min 50 / max 650 min 2 / max 26	min 200 / max 2500 min 44 / max 562	54% (F1x1.54)
<b>V6S</b>	22 / 0.87	8 / 0.31	min 50 / max 350 min 2 / max 14	min 100 / max 700 min 22 / max 158	22% (F1x1.22)
<b>V9S</b>	40 / 1.57	20 / 0.79	min 100 / max 800 min 4 / max 31.5	min 100 / max 5200 min 22 / max 1169	55% (F1x1.55)

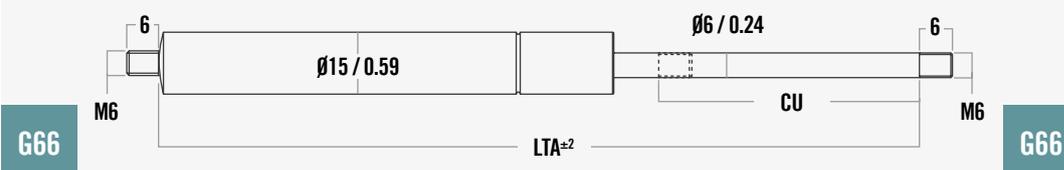
Nelle prossime pagine troverete riassunte le dimensioni più comuni delle molle a gas in acciaio inox nella configurazione filetto/filetto equipaggiate con valvola e disponibili a magazzino.

*The most common sizes for valve stainless steel gas springs with threads are summarised below.  
The following products are available on stock.*

## MOLLE A GAS AISI 316L C/ VALVOLA / AISI 316L gas springs w/ valve

**MOLLA A GAS  
A1S G66 G66**  
/ A1S G66 G66  
gas spring

Forza / Force da / from 50N (11 lbs) a / to 400N (90 lbs).



**MOLLA A GAS  
CON VALVOLA  
V1S G66G66**  
/ V1S G66G66  
valve gas spring

(\* ) Richiedere la molla a gas specificando la spinta (N)  
desiderata compresa nell'intervallo espresso.

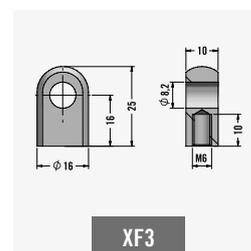
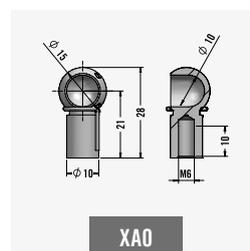
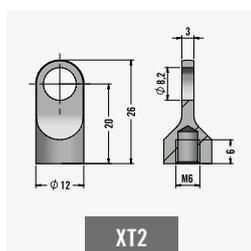
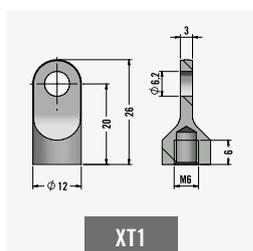
(\* ) Please specify the force (N) you require from  
within the range when ordering your gas spring.

<b>CODICE</b> / Code	<b>LTA</b> mm / inches	<b>CU</b> mm / inches	<b>ATTACCO CORPO</b> / Cylinder fitting	<b>ATTACCO STELO</b> / Piston rod fitting
V1S G66 G66 88 20 *N	88 / 3.47	20 / 0.8	G66	G66
V1S G66 G66 128 40 *N	128 / 5.04	40 / 1.6	G66	G66
V1S G66 G66 136 44 *N	136 / 5.35	44 / 1.73	G66	G66
V1S G66 G66 152 52 *N	152 / 5.99	52 / 2.05	G66	G66
V1S G66 G66 168 60 *N	168 / 6.61	60 / 2.36	G66	G66
V1S G66 G66 176 64 *N	176 / 6.93	64 / 2.52	G66	G66
V1S G66 G66 208 80 *N	208 / 8.19	80 / 3.2	G66	G66
V1S G66 G66 216 84 *N	216 / 8.5	84 / 3.3	G66	G66
V1S G66 G66 248 100 *N	248 / 9.76	100 / 3.94	G66	G66
V1S G66 G66 256 104 *N	256 / 10.08	104 / 4.09	G66	G66
V1S G66 G66 288 120 *N	288 / 11.34	120 / 4.72	G66	G66
V1S G66 G66 296 124 *N	296 / 11.65	124 / 4.88	G66	G66
V1S G66 G66 348 150 *N	348 / 13.7	150 / 5.9	G66	G66
V1S G66 G66 356 154 *N	356 / 14	154 / 6.06	G66	G66
V1S G66 G66 448 200 *N	448 / 17.64	200 / 7.87	G66	G66
V1S G66 G66 456 204 *N	456 / 17.95	204 / 8.03	G66	G66

Molla a gas con valvola filetti M6x6.

Valve gas spring M6x6 threads.

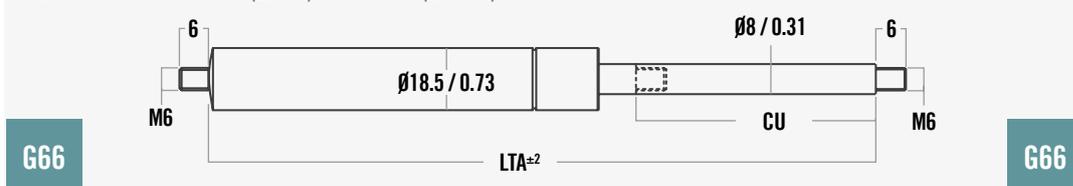
**ATTACCHI PIÙ DIFFUSI**  
/ Most commonly used  
end fittings



## MOLLE A GAS AISI 316L C/ VALVOLA / AISI 316L gas springs w/ valve

**MOLLA A GAS  
A2S G66 G66**  
/ A2S G66 G66  
gas spring

Forza / Force da / from 50N (11 lbs) a / to 700N (158 lbs).



**MOLLA A GAS  
CON VALVOLA  
V2A G66 G66**  
/ V2A G66 G66  
valve gas spring

(\* ) Richiedere la molla a gas specificando la spinta (N)  
desiderata compresa nell'intervallo espresso.

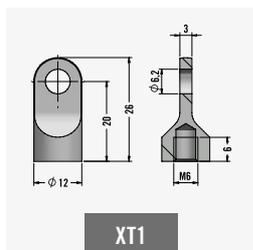
(\* ) Please specify the force (N) you require from  
within the range when ordering your gas spring.

CODICE / Code	LTA mm / inches	CU mm / inches	ATTACCO CORPO / Cylinder fitting	ATTACCO STELO / Piston rod fitting
V2A G66 G66 152 50 *N	152 / 5.98	50 / 1.97	G66	G66
V2A G66 G66 172 60 *N	172 / 6.77	60 / 2.36	G66	G66
V2A G66 G66 212 80 *N	212 / 8.35	80 / 3.2	G66	G66
V2A G66 G66 252 100 *N	252 / 9.92	100 / 3.94	G66	G66
V2A G66 G66 292 120 *N	292 / 11.5	120 / 4.72	G66	G66
V2A G66 G66 332 140 *N	332 / 13.07	140 / 5.51	G66	G66
V2A G66 G66 352 150 *N	352 / 13.86	150 / 5.9	G66	G66
V2A G66 G66 412 180 *N	412 / 16.22	180 / 7.09	G66	G66
V2A G66 G66 452 200 *N	452 / 17.8	200 / 7.87	G66	G66
V2A G66 G66 492 220 *N	492 / 19.37	220 / 8.66	G66	G66
V2A G66 G66 552 250 *N	552 / 21.73	250 / 9.84	G66	G66
V2A G66 G66 652 300 *N	652 / 25.67	300 / 11.81	G66	G66

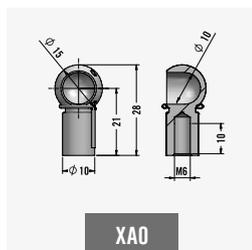
Molla a gas con valvola filetti M6x6.

Valve gas spring M6x6 threads.

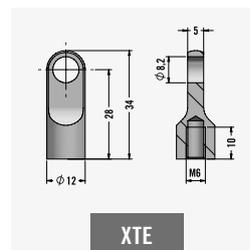
**ATTACCHI PIÙ DIFFUSI**  
/ Most commonly used  
end fittings



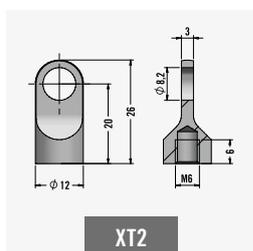
XT1



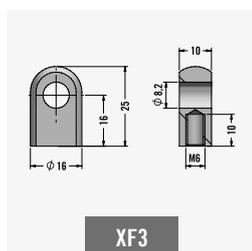
XA0



XTE



XT2

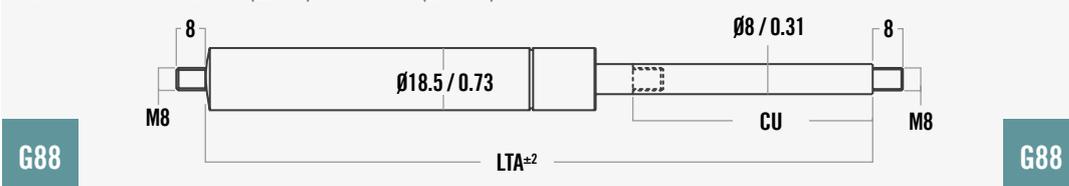


XF3

## MOLLE A GAS AISI 316L C/ VALVOLA / AISI 316L gas springs w/ valve

**MOLLA A GAS  
A2S G88 G88**  
/ A2S G88 G88  
gas spring

Forza / Force da / from 50N (11 lbs) a / to 700N (158 lbs).



**MOLLA A GAS  
CON VALVOLA  
V2A G88 G88**  
/ V2A G88 G88  
valve gas spring

(\*). Richiedere la molla a gas specificando la spinta (N) desiderata compresa nell'intervallo espresso.

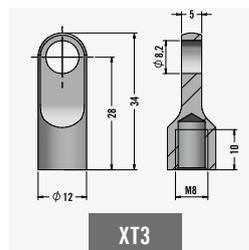
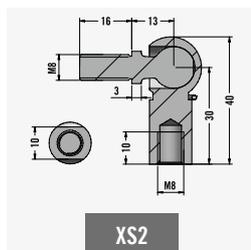
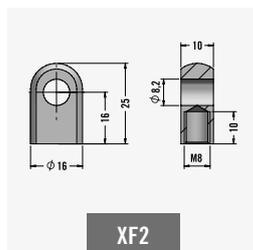
(\*). Please specify the force (N) you require from within the range when ordering your gas spring.

CODICE / Code	LTA mm / inches	CU mm / inches	ATTACCO CORPO / Cylinder fitting	ATTACCO STELO / Piston rod fitting
V2A G88 G88 156 52 *N	156 / 6.14	52 / 2.05	G88	G88
V2A G88 G88 176 62 *N	176 / 6.93	62 / 2.44	G88	G88
V2A G88 G88 216 82 *N	216 / 8.5	82 / 3.23	G88	G88
V2A G88 G88 256 102 *N	256 / 10.08	102 / 4.01	G88	G88
V2A G88 G88 296 122 *N	296 / 11.65	122 / 4.8	G88	G88
V2A G88 G88 336 142 *N	336 / 13.23	142 / 5.59	G88	G88
V2A G88 G88 376 162 *N	376 / 14.8	162 / 6.38	G88	G88
V2A G88 G88 416 182 *N	416 / 16.38	182 / 7.16	G88	G88
V2A G88 G88 456 202 *N	456 / 17.95	202 / 7.95	G88	G88
V2A G88 G88 496 222 *N	496 / 19.53	222 / 8.74	G88	G88
V2A G88 G88 556 252 *N	556 / 21.89	252 / 9.92	G88	G88

Molla a gas con valvola filetti M8x8.

Valve gas spring M8x8 threads.

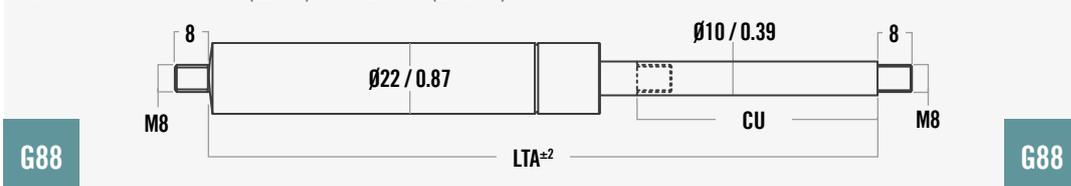
**ATTACCHI PIÙ DIFFUSI**  
/ Most commonly used  
end fittings



## MOLLE A GAS AISI 316L C/ VALVOLA / AISI 316L gas springs w/ valve

### MOLLA A GAS A3S G88 G88 / A3S G88 G88 gas spring

Forza / Force da / from 50N (11 lbs) a / to 1300N (292 lbs).



### MOLLA A GAS CON VALVOLA V3S G88 G88 / V3S G88 G88 valve gas spring

(\* ) Richiedere la molla a gas specificando la spinta (N) desiderata compresa nell'intervallo espresso.

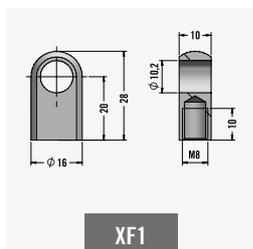
(\* ) Please specify the force (N) you require from within the range when ordering your gas spring.

CODICE / Code	LTA mm / inches	CU mm / inches	ATTACCO CORPO / Cylinder fitting	ATTACCO STELO / Piston rod fitting
V3S G88 G88 152 50 *N	152 / 5.98	50 / 1.97	G88	G88
V3S G88 G88 252 100 *N	252 / 9.92	100 / 3.94	G88	G88
V3S G88 G88 312 130 *N	312 / 12.28	130 / 5.12	G88	G88
V3S G88 G88 352 150 *N	352 / 13.86	150 / 5.91	G88	G88
V3S G88 G88 392 170 *N	392 / 15.43	170 / 6.7	G88	G88
V3S G88 G88 432 190 *N	432 / 17	190 / 7.48	G88	G88
V3S G88 G88 452 200 *N	452 / 17.8	200 / 7.87	G88	G88
V3S G88 G88 472 210 *N	472 / 18.58	210 / 8.27	G88	G88
V3S G88 G88 512 230 *N	512 / 20.16	230 / 9.05	G88	G88
V3S G88 G88 552 250 *N	552 / 21.73	250 / 9.84	G88	G88
V3S G88 G88 612 280 *N	612 / 24.05	280 / 11.02	G88	G88
V3S G88 G88 652 300 *N	652 / 25.67	300 / 11.81	G88	G88
V3S G88 G88 672 310 *N	672 / 26.46	310 / 12.2	G88	G88
V3S G88 G88 712 330 *N	712 / 28.03	330 / 13	G88	G88
V3S G88 G88 752 350 *N	752 / 29.6	350 / 13.78	G88	G88
V3S G88 G88 852 400 *N	852 / 33.54	400 / 15.75	G88	G88
V3S G88 G88 952 450 *N	952 / 37.48	450 / 17.72	G88	G88
V3S G88 G88 1052 500 *N	1052 / 41.42	500 / 19.68	G88	G88
V3S G88 G88 1152 550 *N	1152 / 45.35	550 / 19.7	G88	G88

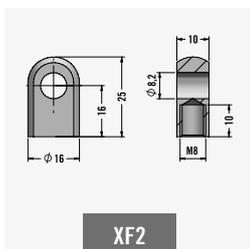
Molla a gas con valvola filetti M8x8.

Valve gas spring M8x8 threads.

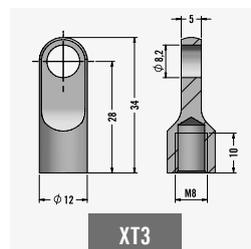
### ATTACCHI PIÙ DIFFUSI / Most commonly used end fittings



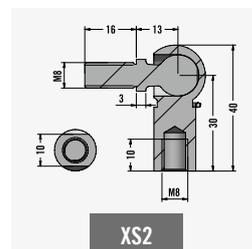
XF1



XF2



XT3

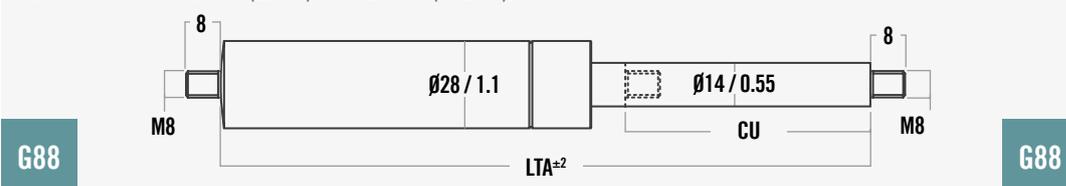


XS2

## MOLLE A GAS AISI 316L C/ VALVOLA / AISI 316L gas springs w/ valve

### MOLLA A GAS A5S G88 G88 / A5S G88 G88 gas spring

Forza / Force da / from 50N (11 lbs) a / to 2500N (562 lbs).



### MOLLA A GAS CON VALVOLA V5S G88 G88 / V5S G88 G88 valve gas spring

(\* ) Richiedere la molla a gas specificando la spinta (N) desiderata compresa nell'intervallo espresso.

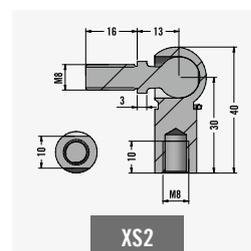
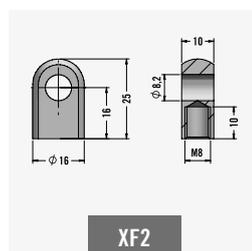
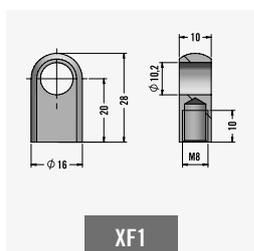
(\* ) Please specify the force (N) you require from within the range when ordering your gas spring.

CODICE / Code	LTA mm / inches	CU mm / inches	ATTACCO CORPO / Cylinder fitting	ATTACCO STELO / Piston rod fitting
V5S G88 G88 260 100 *N	260 / 10.23	100 / 3.94	G88	G88
V5S G88 G88 320 130 *N	320 / 12.60	130 / 5.12	G88	G88
V5S G88 G88 360 150 *N	360 / 14.17	150 / 5.91	G88	G88
V5S G88 G88 380 160 *N	380 / 14.96	160 / 6.3	G88	G88
V5S G88 G88 400 170 *N	400 / 15.75	170 / 6.7	G88	G88
V5S G88 G88 440 190 *N	440 / 17.32	190 / 7.48	G88	G88
V5S G88 G88 460 200 *N	460 / 18.11	200 / 7.87	G88	G88
V5S G88 G88 480 210 *N	480 / 18.9	210 / 8.27	G88	G88
V5S G88 G88 520 230 *N	520 / 20.47	230 / 9.05	G88	G88
V5S G88 G88 560 250 *N	560 / 22.05	250 / 9.84	G88	G88
V5S G88 G88 620 280 *N	620 / 24.41	280 / 11.02	G88	G88
V5S G88 G88 660 300 *N	660 / 25.98	300 / 11.81	G88	G88
V5S G88 G88 760 350 *N	760 / 29.92	350 / 13.78	G88	G88
V5S G88 G88 860 400 *N	860 / 33.86	400 / 15.75	G88	G88
V5S G88 G88 960 450 *N	960 / 37.8	450 / 17.72	G88	G88
V5S G88 G88 1060 500 *N	1060 / 41.73	500 / 19.68	G88	G88
V5S G88 G88 1160 550 *N	1160 / 45.67	550 / 21.65	G88	G88
V5S G88 G88 1260 600 *N	1260 / 49.6	600 / 23.62	G88	G88

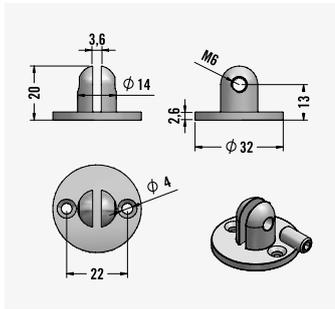
Molla a gas con valvola filetti M8x8.

Valve gas spring M8x8 threads.

### ATTACCHI PIÙ DIFFUSI / Most commonly used end fittings



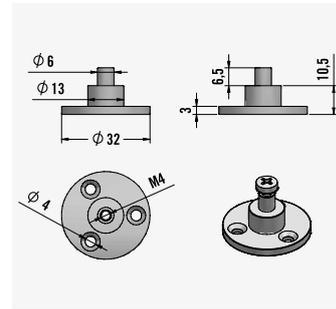
# STAFFE INOX / stainless steel brackets



SF  
1551  
PE6

ottone cromato  
/ chromed brass

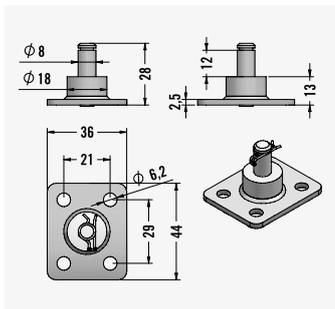
M.I



SF  
1552  
PE6

ottone cromato  
/ chromed brass

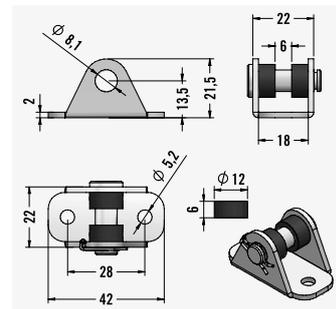
M.I



SF  
1554  
PE8

M.I

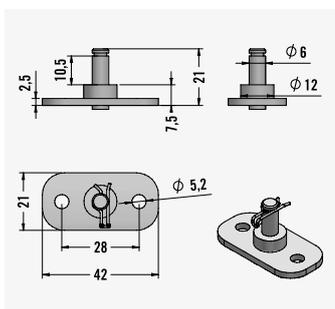
F.EL



SF  
1555  
PE8

M.I

F.EL

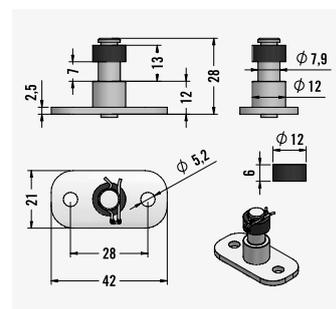


SF  
1556  
PE6

fino a 500 N  
/ up to 500 N

M.I

F.EL

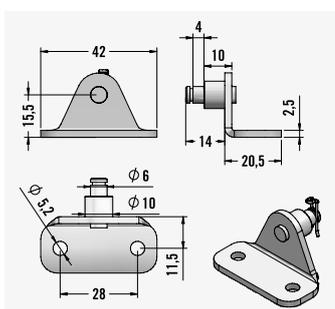


SF  
1556  
PE8

fino a 500 N  
/ up to 500 N

M.I

F.EL

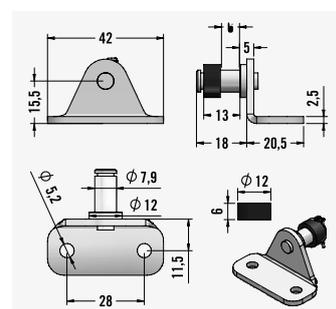


SF  
1557  
PE6

fino a 500 N  
/ up to 500 N

M.I

F.EL



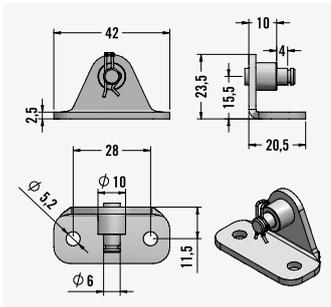
SF  
1557  
PE8

fino a 500 N  
/ up to 500 N

M.I

F.EL

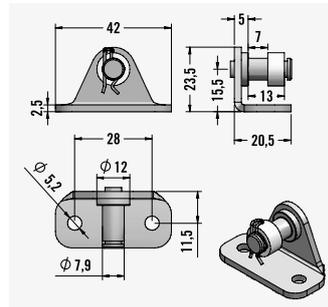
## STAFFE INOX / stainless steel brackets



SF  
1558  
PEG

fino a 500 N  
/ up to 500 N

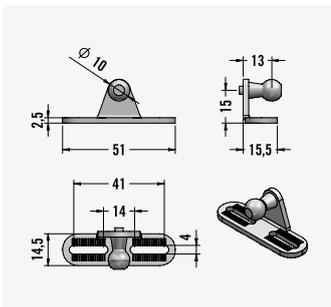
M.I F.E.L



SF  
1558  
PE8

fino a 500 N  
/ up to 500 N

M.I F.E.L

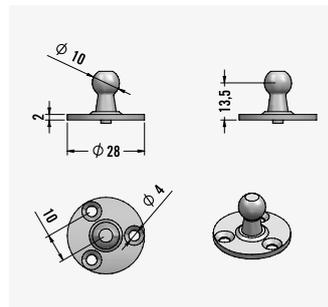


SF  
1559

fino a 200 N  
/ up to 200 N

a richiesta con snodo  $\varnothing 8$   
/ on request with joint  $\varnothing 8$

M.I F.E.L

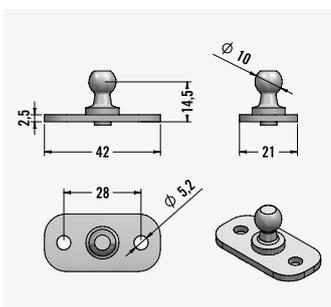


SF  
1560

fino a 200 N  
/ up to 200 N

a richiesta con snodo  $\varnothing 8$   
/ on request with joint  $\varnothing 8$

M.I F.E.L

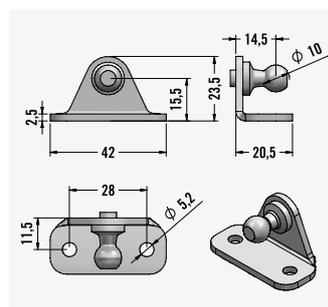


SF  
1561

fino a 500 N  
/ up to 500 N

a richiesta con snodo  $\varnothing 8$   
/ on request with joint  $\varnothing 8$

M.I F.E.L

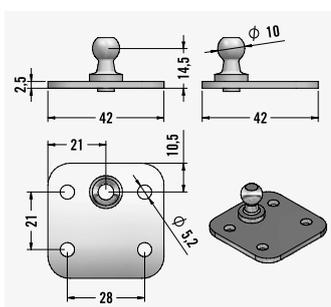


SF  
1562

fino a 500 N  
/ up to 500 N

a richiesta con snodo  $\varnothing 8$   
/ on request with joint  $\varnothing 8$

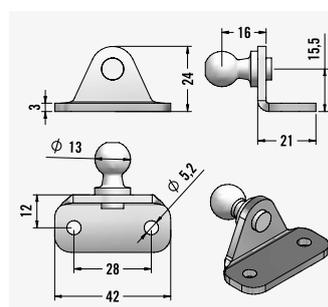
M.I F.E.L



SF  
1563

fino a 500 N  
/ up to 500 N

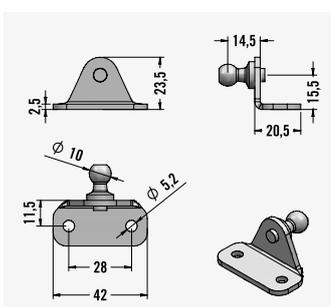
M.I F.E.L



SF  
1564

fino a 500 N  
/ up to 500 N

M.I F.E.L



SF  
1565

ottone cromato  
/ chromed brass

M.I

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**VAPSINT s.r.l.**

Via del Lavoro 30  
31016 Cordignano  
Treviso, Italy  
T +39 0438 995994  
F +39 0438 996524  
[www.vapsint.com](http://www.vapsint.com)  
[info@vapsint.com](mailto:info@vapsint.com)

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**COMMERCIAL PARTNERS****BENELUX AND GERMANY:**

Brimotech Solutions  
Koperstraat, 4  
8211 AK Lelystad  
The Netherlands  
+31 (0)320769103  
[info@brimotech.nl](mailto:info@brimotech.nl)  
[www.brimotech.nl](http://www.brimotech.nl)

**SPAIN AND PORTUGAL:**

Tecdema  
Tecnica y desarrollo de  
movimiento asistido, s.l.  
36691 Soutomaioir - Pontevedra  
España (Spain)  
TELF/FAX: +34 986 70 50 41  
[info@tecdema.es](mailto:info@tecdema.es)  
[www.tecdema.es](http://www.tecdema.es)

**U.A.E.:**

Power & Technology - ParkerStore  
Salehi Building, Shop No.1  
First Industrial St, near Maza Signal  
Industrial Area 2.  
Sharjah, U.A.E.  
+971 6 542 1300  
[sales@powertech.ae](mailto:sales@powertech.ae)  
[www.powertech.ae](http://www.powertech.ae)