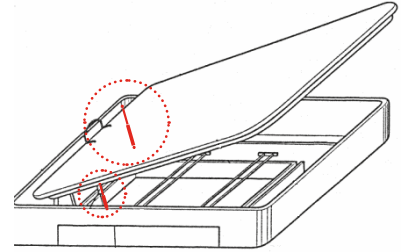
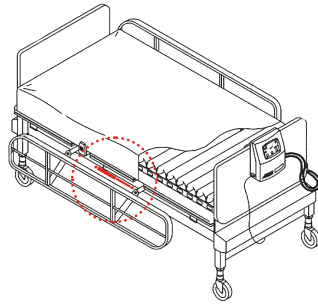
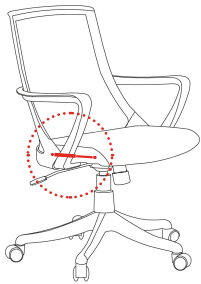


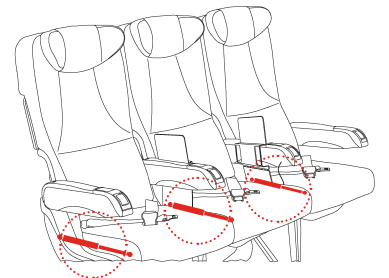
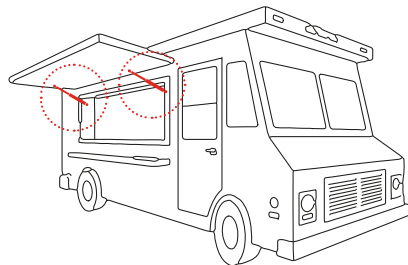
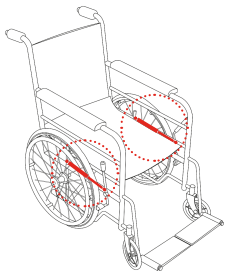
RESORTES NEUMÁTICOS UNIVERSALES
UNIVERSAL GAS SPRINGS
VÉRINS À GAZ UNIVERSEL





CUSTOM GAS SPRINGS


Un mundo de posibilidades
A world of possibilities
Un monde de possibilités



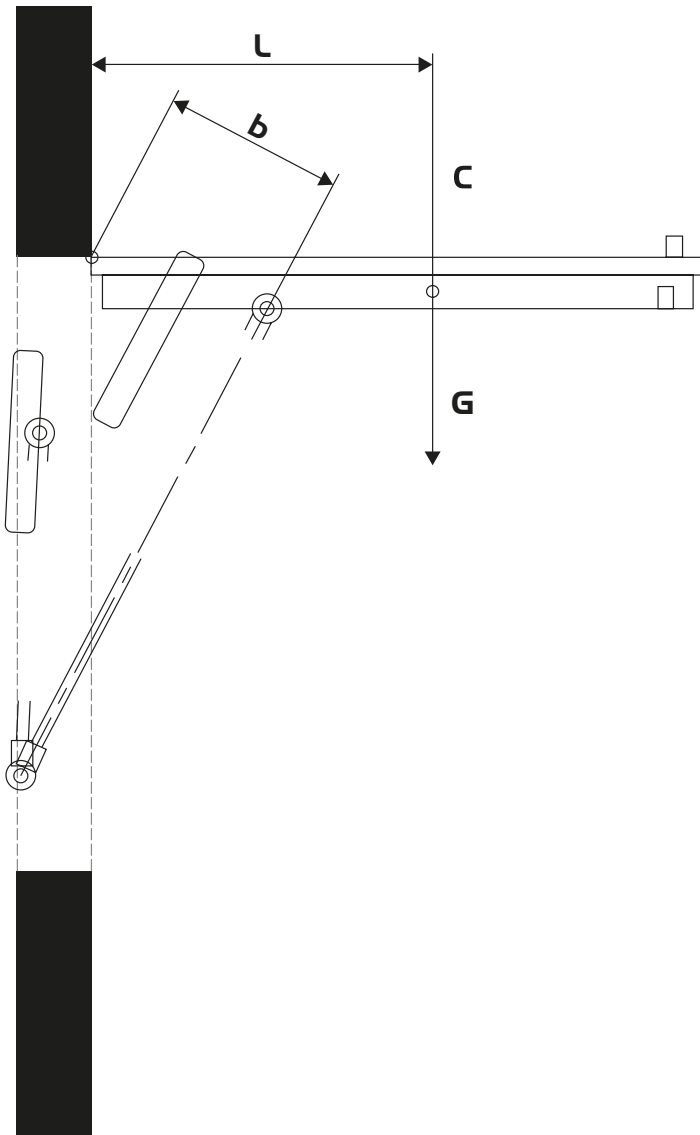


ÍNDICE - INDEX - INDICE

MEDIDA - SIZE - DIMENSIONS	Ø15 / Ø6	11
	Ø18 / Ø8	12
	Ø22 / Ø10	17
	Ø28 / Ø14	23
	Anclajes End Fittings Fixations	25



CALCULO DE PRESIÓN - PRESSURE CALCULATION - CALCUL DE LA PRESSION



G =

- Peso de la parte móvil (kg)
- Weight of movable part (kg)
- Poids de la pièce mobile (kg)

C =

- Centro gravedad de la parte móvil (kg)
- Weight of movable part (kg)
- Poids de la pièce mobile (kg)

n =

- Número de resortes a gas.
- Number of gas springs.
- Nombre de ressorts à gaz

11 =

- Factor de conversión kg a N + factor de seguridad.
- Conversion factor kg to N + safety factor
- Facteur de conversion kg à N + facteur de sécurité.

b =

- Distancia paralela entre la alineación del gas spring y el punto de soporte de la parte móvil.
- Parallel Proximity gas spring.
- Distance parallèle entre l'alignement du vérin et le point d'appui de la pièce mobile.

L =

- Distancia horizontal del centro de gravedad.
- Horizontal distance of centre of gravity.
- Distance horizontale du centre de gravité

$$F1 = \frac{G \times L \times 11}{n \times b}$$

EJEMPLO - EXAMPLE - EXEMPLE

Peso de la parte móvil - Weight of movable part - Poids de la pièce mobile: 50 kg

Distancia b - Distance b - Distance b: 150 mm

Número de resortes a gas - Number of gas springs - Nombre de ressorts à gaz: 2

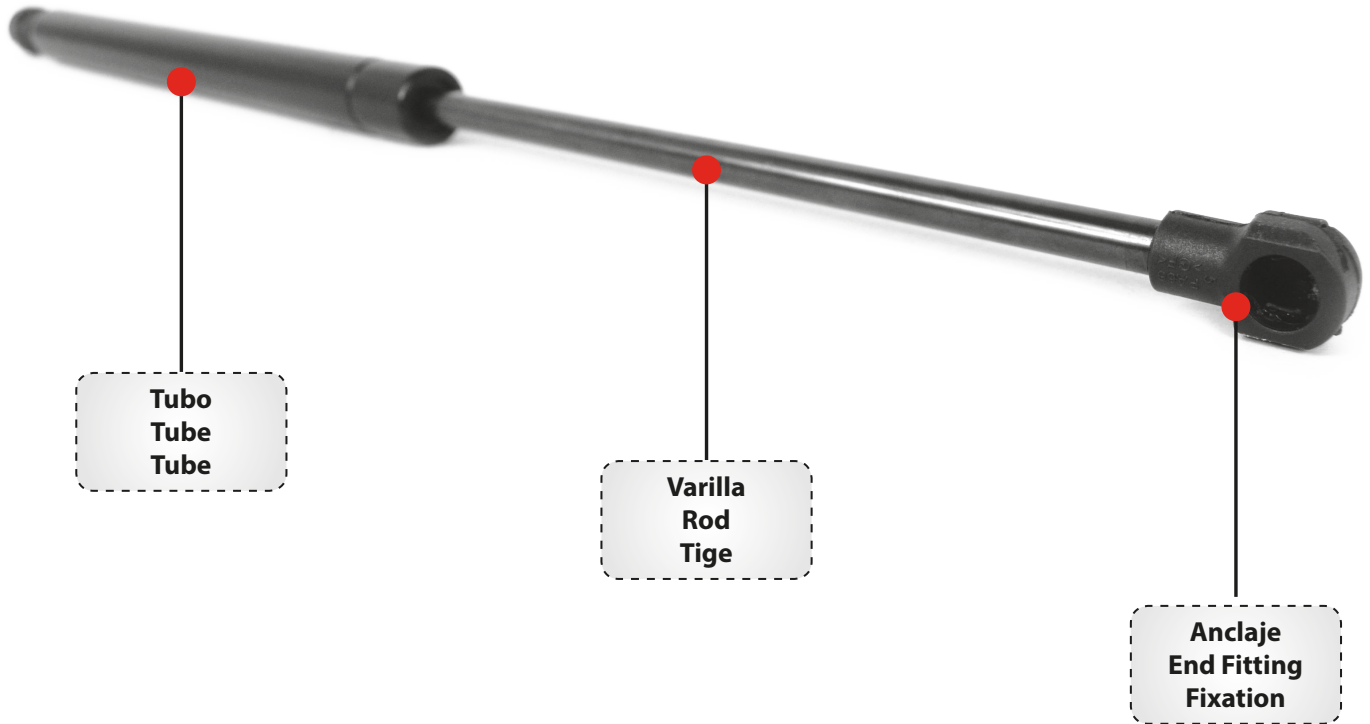
Distancia L - Distance L - Distance L: 300mm

$$F1 = \frac{50 \times 300 \times 11}{2 \times 150}$$

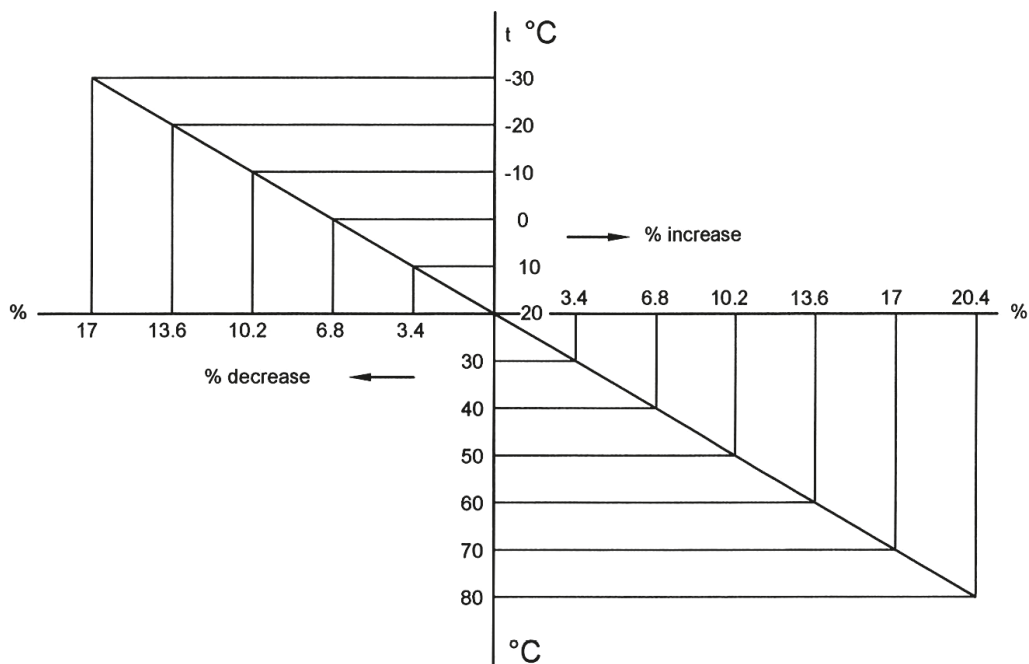
Los resortes de gas deben tener una presión de: 500N

Gas springs must have a pressure of: 500 N

Il faut que les ressorts à gaz aient une pression de: 500 N



VARIACIÓN DE FUERZA POR TEMPERATURA FORCE VARIATION WITH TEMPERATURE VARIATION DE FORCE AVEC TEMPÉRATURE



LECTURA TABLA - READ TABLE - IRE LA RÉFÉRENCE

Longitud Length Longueur	Recorrido Stroke Course	F Newtons	Referencia DOGA DOGA refence Référence DOGA
A	B	F	DOGA
300	110	100	808300100
300	110	150	808300150
300	110	200	808300200
300	110	250	808300250
300	110	300	808300300
300	110	350	808300350

Revestimiento del cilindro Cylinder coating Revêtement de cylindre	40+/-10 micra
Rugosidad media del vástago del pistón: Average piston rod roughness: Rugosité moyenne de la tige de piston:	MAX 0.10 RA
Dureza de la superficie del vástago del pistón. Surface hardness of the piston rod. Dureté de surface de la tige de piston.	MIN 450HV
Profundidad de nitración. Nitration depth. Profondeur de nitración.	25-30 MICRA
TUS test:	MIN 300h
Prueba de rendimiento. Performance test. Test de performance	MIN 10km

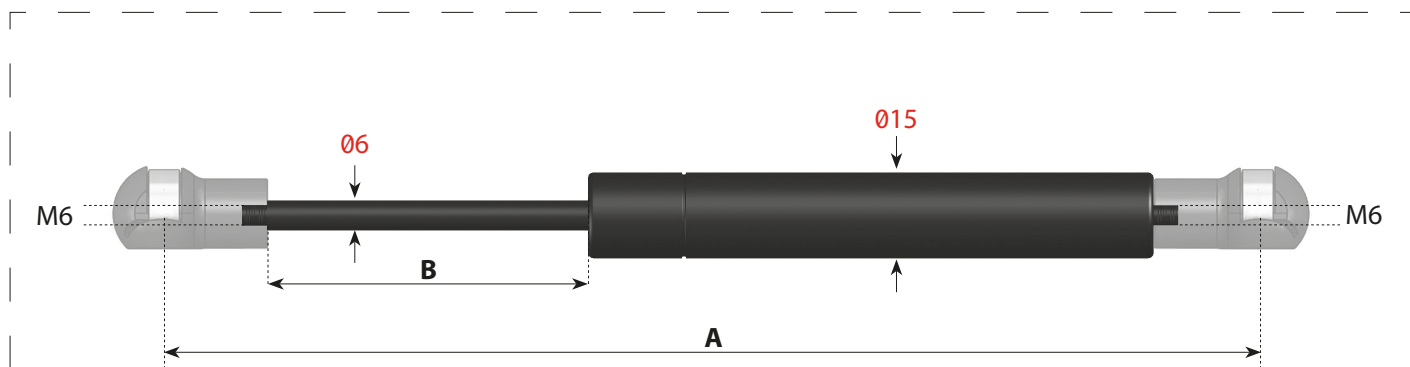
Por favor, consúltenos para otras medidas o especificaciones.

Please, contact us for other measures or specifications.

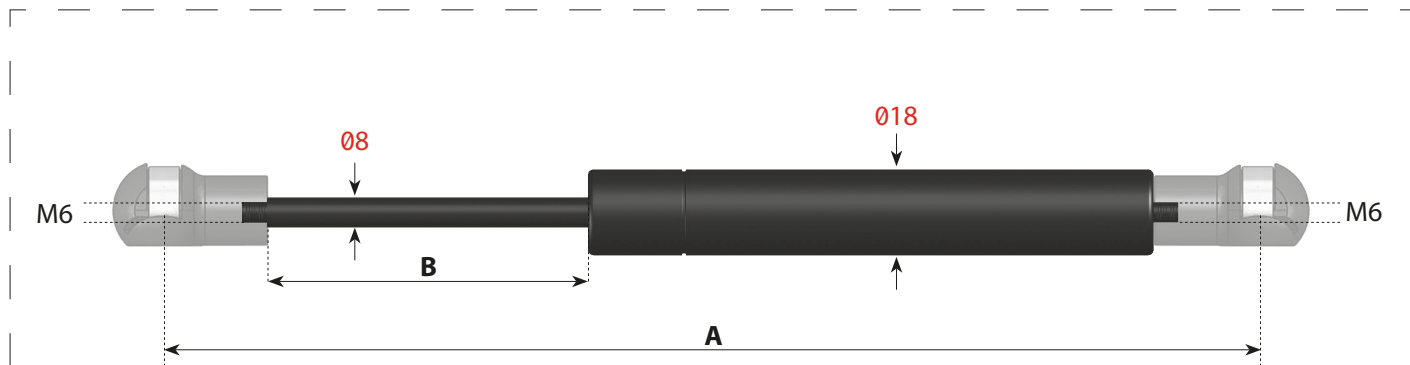
Nous vous prions de nous contacter pour demander des autres dimensions disponibles

CÓMO MEDIR LOS RESORTES NEUMÁTICOS - HOW TO MEASURE THE GAS SPRINGS - COMMENT MESURER LE VÉRINS À GAZ

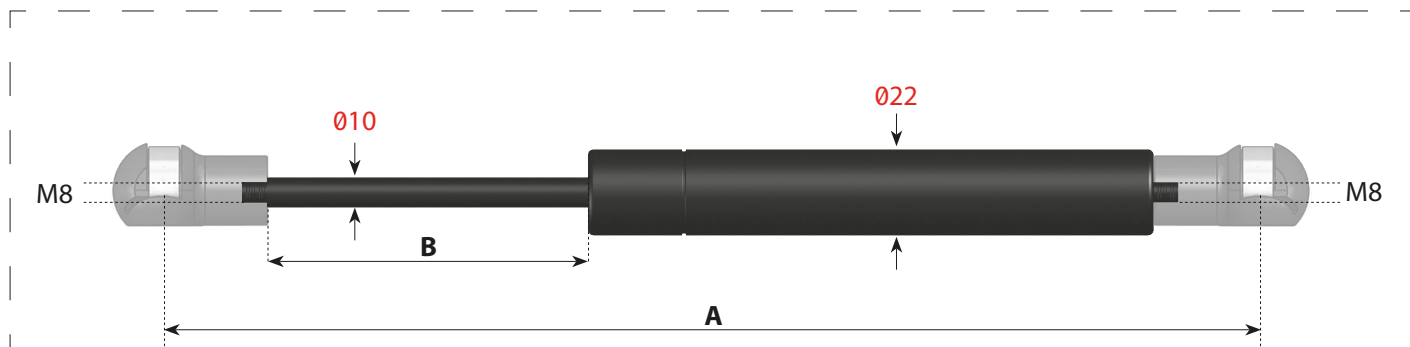
M6



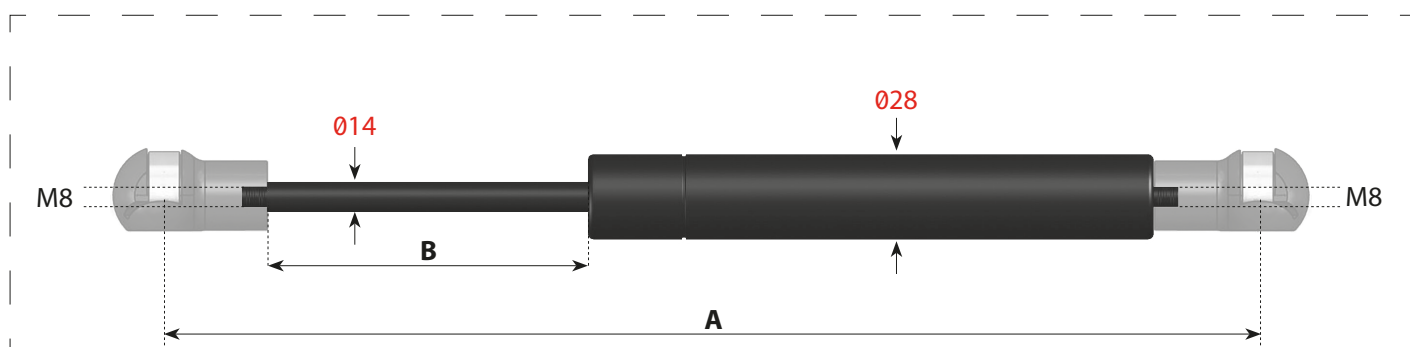
M6



M8



M8



DOGA

GAS SPRINGS



Calidad y durabilidad OEM

Los resortes DOGA cumplen con todas las características técnicas exigidas por el fabricante.

Programa con 2.800 referencias para más de 6.000 aplicaciones.

Completa cobertura europea, asiática y americana.

Producto Premium de alta calidad, diseño y durabilidad OEM.

Ajuste exacto de la pieza con la aplicación.

2 años de garantía.

OEM quality and durability

The DOGA satisfy all technical specifications required by the manufacturer.

2.800 references for more than 6.000 applications.

Full European, Asian and American coverage.

Premium product quality, design and OEM durability.

Exact fit of part with the application.

2-year warranty.

Qualité et durabilité OEM

Les vérins de marque DOGA respectent toutes les caractéristiques techniques exigées par le fabricant.

Programme avec 2800 références pour plus de 6000 applications

Couverture complète pour l'Europe, l'Asie et l'Amérique.

Produit Premium de haute qualité, design et durabilité OEM.

Ajustement exact de la pièce avec l'application.

2 ans de garantie .

Toda la información - All the information - Toutes les informations:



www.dogaparts.es



LEER REFERENCIA - READ REFERENCE - LECTURE DE RÉFÉRENCE

REF: 808510650

8

DOGA

08

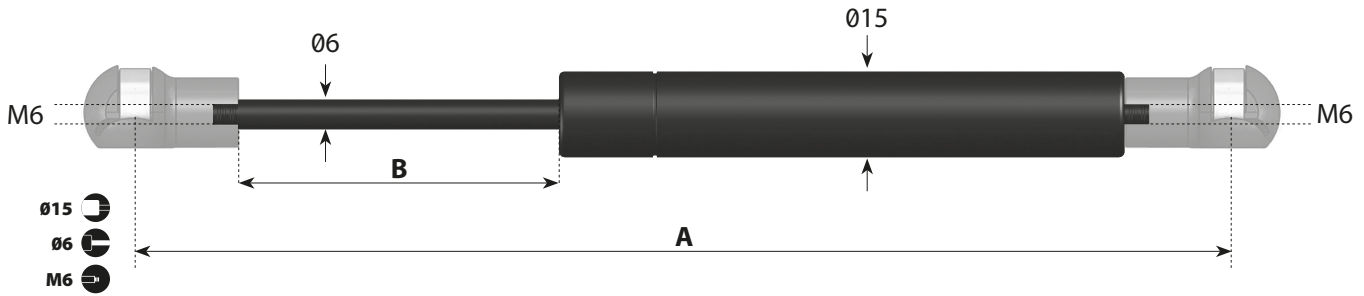
Ø Varilla
Ø Rod
Ø Tige

510

Longitud
Length
Etendue

650

Fuerza N
Force N



Por favor, consultenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

65mm

A	B	F	DOGA
65	20	50	8066550
65	20	100	80665100
65	20	150	80665150
65	20	200	80665200
65	20	250	80665250
65	20	300	80665300
65	20	350	80665350
65	20	400	80665400

80mm

A	B	F	DOGA
80	20	50	8068050
80	20	100	80680100
80	20	150	80680150
80	20	200	80680200
80	20	250	80680250
80	20	300	80680300
80	20	350	80680350
80	20	400	80680400

90mm

A	B	F	DOGA
90	30	50	8069050
90	30	100	80690100
90	30	150	80690150
90	30	200	80690200
90	30	250	80690250
90	30	300	80690300
90	30	350	80690350
90	30	400	80690400

110mm

A	B	F	DOGA
110	40	50	80611050
110	40	100	806110100
110	40	150	806110150
110	40	200	806110200
110	40	250	806110250
110	40	300	806110300
110	40	350	806110350
110	40	400	806110400

150mm

A	B	F	DOGA
150	40	50	80615050
150	40	100	806150100
150	40	150	806150150
150	40	200	806150200
150	40	250	806150250
150	40	300	806150300
150	40	350	806150350
150	40	400	806150400

190mm

A	B	F	DOGA
190	60	50	80619050
190	60	100	806190100
190	60	150	806190150
190	60	200	806190200
190	60	250	806190250
190	60	300	806190300
190	60	350	806190350
190	60	400	806190400

230mm

A	B	F	DOGA
230	80	50	80623050
230	80	100	806230100
230	80	150	806230150
230	80	200	806230200
230	80	250	806230250
230	80	300	806230300
230	80	350	806230350
230	80	400	806230400

270mm

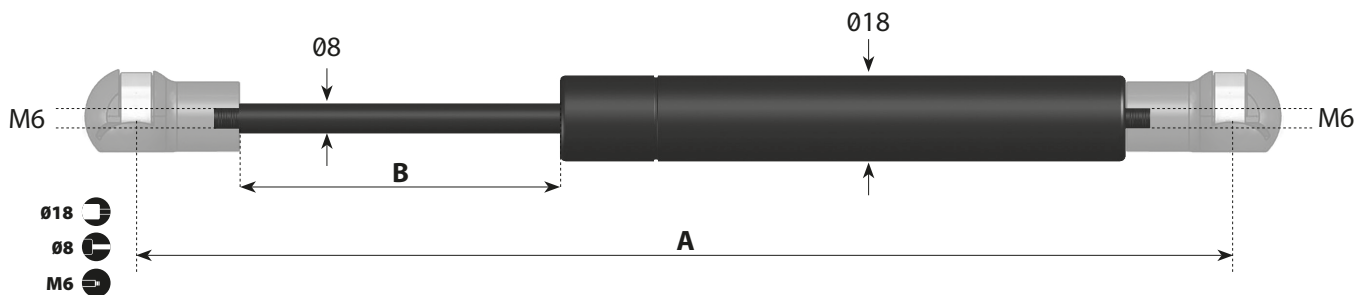
A	B	F	DOGA
270	100	50	80627050
270	100	100	806270100
270	100	150	806270150
270	100	200	806270200
270	100	250	806270250
270	100	300	806270300
270	100	350	806270350
270	100	400	806270400

310mm

A	B	F	DOGA
310	120	50	80631050
310	120	100	806310100
310	120	150	806310150
310	120	200	806310200
310	120	250	806310250
310	120	300	806310300
310	120	350	806310350
310	120	400	806310400

370mm

A	B	F	DOGA
370	150	50	80637050
370	150	100	806370100
370	150	150	806370150
370	150	200	806370200
370	150	250	806370250
370	150	300	806370300
370	150	350	806370350
370	150	400	806370400



Por favor, consultenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

150mm

A	B	F	DOGA
150	30	100	808150100
150	30	150	808150150
150	30	200	808150200

175mm

A	B	F	DOGA
175	45	100	808175100
175	45	150	808175150
175	45	200	808175200

200mm

A	B	F	DOGA
200	60	100	808200100
200	60	150	808200150
200	60	200	808200200
200	60	250	808200250
200	60	300	808200300
200	60	350	808200350
200	60	400	808200400
200	60	450	808200450
200	60	500	808200500
200	60	550	808200550
200	60	600	808200600
200	60	650	808200650
200	60	700	808200700
200	60	750	808200750

230mm

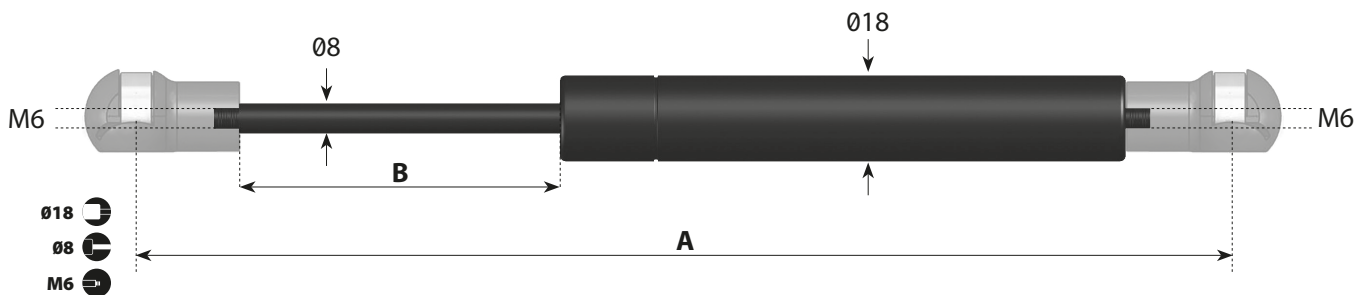
A	B	F	DOGA
230	70	100	808230100
230	70	150	808230150
230	70	200	808230200
230	70	250	808230250
230	70	300	808230300
230	70	350	808230350
230	70	400	808230400
230	70	450	808230450
230	70	500	808230500
230	70	550	808230550
230	70	600	808230600
230	70	650	808230650
230	70	700	808230700
230	70	750	808230750

250mm

A	B	F	DOGA
250	80	100	808250100
250	80	150	808250150
250	80	200	808250200
250	80	250	808250250
250	80	300	808250300
250	80	350	808250350
250	80	400	808250400
250	80	450	808250450
250	80	500	808250500
250	80	550	808250550
250	80	600	808250600
250	80	650	808250650
250	80	700	808250700
250	80	750	808250750

280mm

A	B	F	DOGA
280	100	100	808280100
280	100	150	808280150
280	100	200	808280200
280	100	250	808280250
280	100	300	808280300
280	100	350	808280350
280	100	400	808280400
280	100	450	808280450
280	100	500	808280500
280	100	550	808280550
280	100	600	808280600
280	100	650	808280650
280	100	700	808280700
280	100	750	808280750



Por favor, consultenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

300mm

A	B	F	DOGA
300	110	100	808300100
300	110	150	808300150
300	110	200	808300200
300	110	250	808300250
300	110	300	808300300
300	110	350	808300350
300	110	400	808300400
300	110	450	808300450
300	110	500	808300500
300	110	550	808300550
300	110	600	808300600
300	110	650	808300650
300	110	700	808300700
300	110	750	808300750

330mm

A	B	F	DOGA
330	115	100	808330100
330	115	150	808330150
330	115	200	808330200
330	115	250	808330250
330	115	300	808330300
330	115	350	808330350
330	115	400	808330400
330	115	450	808330450
330	115	500	808330500
330	115	550	808330550
330	115	600	808330600
330	115	650	808330650
330	115	700	808330700
330	115	750	808330750

350mm

A	B	F	DOGA
350	130	100	808275100
350	130	150	808275150
350	130	200	808275200
350	130	250	808275250
350	130	300	808275300
350	130	350	808275350
350	130	400	808275400
350	130	450	808275450
350	130	500	808275500
350	130	550	808275550
350	130	600	808275600
350	130	650	808275650
350	130	700	808275700
350	130	750	808275750

370mm

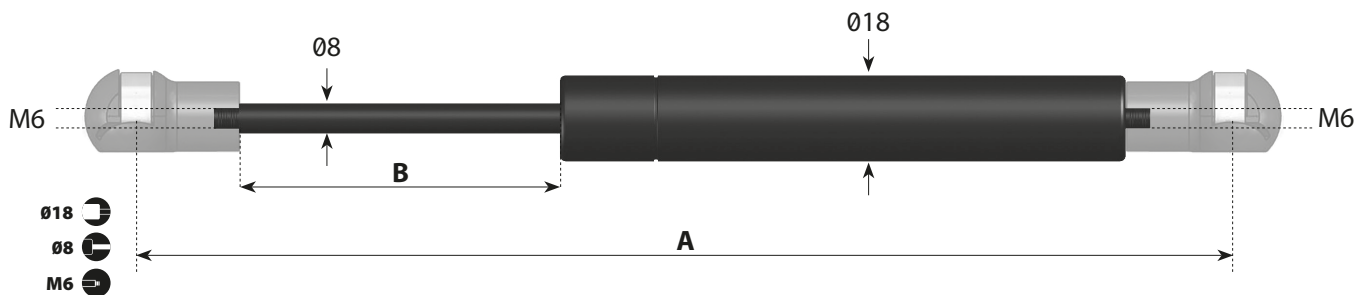
A	B	F	DOGA
370	135	100	808370100
370	135	150	808370150
370	135	200	808370200
370	135	250	808370250
370	135	300	808370300
370	135	350	808370350
370	135	400	808370400
370	135	450	808370450
370	135	500	808370500
370	135	550	808370550
370	135	600	808370600
370	135	650	808370650
370	135	700	808370700
370	135	750	808370750

390mm

A	B	F	DOGA
390	150	100	808390100
390	150	150	808390150
390	150	200	808390200
390	150	250	808390250
390	150	300	808390300
390	150	350	808390350
390	150	400	808390400
390	150	450	808390450
390	150	500	808390500
390	150	550	808390550
390	150	600	808390600
390	150	650	808390650
390	150	700	808390700
390	150	750	808390750

410mm

A	B	F	DOGA
410	155	100	808410100
410	155	150	808410150
410	155	200	808410200
410	155	250	808410250
410	155	300	808410300
410	155	350	808410350
410	155	400	808410400
410	155	450	808410450
410	155	500	808410500
410	155	550	808410550
410	155	600	808410600
410	155	650	808410650
410	155	700	808410700
410	155	750	808410750



Por favor, consultenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

430mm

A	B	F	DOGA
430	170	100	808430100
430	170	150	808430150
430	170	200	808430200
430	170	250	808430250
430	170	300	808430300
430	170	350	808430350
430	170	400	808430400
430	170	450	808430450
430	170	500	808430500
430	170	550	808430550
430	170	600	808430600
430	170	650	808430650
430	170	700	808430700
430	170	750	808430750

450mm

A	B	F	DOGA
450	180	100	808450100
450	180	150	808450150
450	180	200	808450200
450	180	250	808450250
450	180	300	808450300
450	180	350	808450350
450	180	400	808450400
450	180	450	808450450
450	180	500	808450500
450	180	550	808450550
450	180	600	808450600
450	180	650	808450650
450	180	700	808450700
450	180	750	808450750

470mm

A	B	F	DOGA
470	185	100	808470100
470	185	150	808470150
470	185	200	808470200
470	185	250	808470250
470	185	300	808470300
470	185	350	808470350
470	185	400	808470400
470	185	450	808470450
470	185	500	808470500
470	185	550	808470550
470	185	600	808470600
470	185	650	808470650
470	185	700	808470700
470	185	750	808470750

485mm

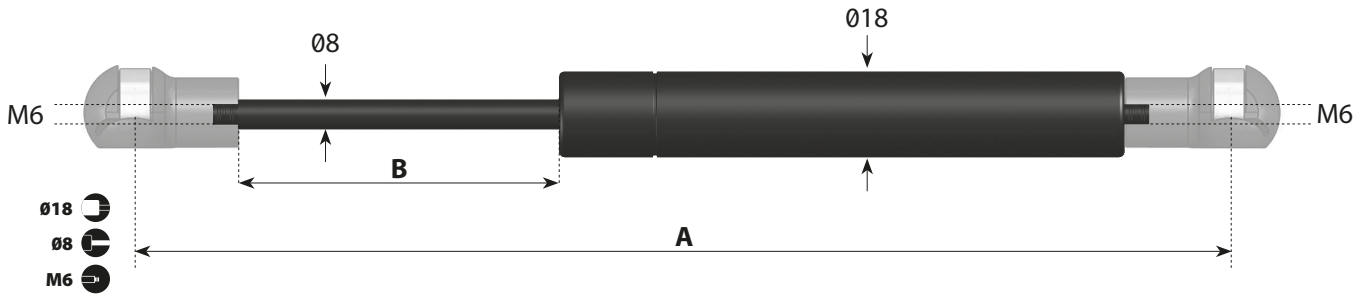
A	B	F	DOGA
485	195	100	808380100
485	195	150	808380150
485	195	200	808380200
485	195	250	808380250
485	195	300	808380300
485	195	350	808380350
485	195	400	808380400
485	195	450	808380450
485	195	500	808380500
485	195	550	808380550
485	195	600	808380600
485	195	650	808380650
485	195	700	808380700
485	195	750	808380750

510mm

A	B	F	DOGA
510	200	100	808510100
510	200	150	808510150
510	200	200	808510200
510	200	250	808510250
510	200	300	808510300
510	200	350	808510350
510	200	400	808510400
510	200	450	808510450
510	200	500	808510500
510	200	550	808510550
510	200	600	808510600
510	200	650	808510650
510	200	700	808510700
510	200	750	808510750

530mm

A	B	F	DOGA
530	215	100	808530100
530	215	150	808530150
530	215	200	808530200
530	215	250	808530250
530	215	300	808530300
530	215	350	808530350
530	215	400	808530400
530	215	450	808530450
530	215	500	808530500
530	215	550	808530550
530	215	600	808530600
530	215	650	808530650
530	215	700	808530700
530	215	750	808530750



Por favor, consultenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

540mm

A	B	F	DOGA
540	225	100	808540100
540	225	150	808540150
540	225	200	808540200
540	225	250	808540250
540	225	300	808540300
540	225	350	808540350
540	225	400	808540400
540	225	450	808540450
540	225	500	808540500
540	225	550	808540550
540	225	600	808540600
540	225	650	808540650
540	225	700	808540700
540	225	750	808540750

550mm

A	B	F	DOGA
550	230	100	808550100
550	230	150	808550150
550	230	200	808550200
550	230	250	808550250
550	230	300	808550300
550	230	350	808550350
550	230	400	808550400
550	230	450	808550450
550	230	500	808550500
550	230	550	808550550
550	230	600	808550600
550	230	650	808550650
550	230	700	808550700
550	230	750	808550750

570mm

A	B	F	DOGA
570	235	100	808570100
570	235	150	808570150
570	235	200	808570200
570	235	250	808570250
570	235	300	808570300
570	235	350	808570350
570	235	400	808570400
570	235	450	808570450
570	235	500	808570500
570	235	550	808570550
570	235	600	808570600
570	235	650	808570650
570	235	700	808570700
570	235	750	808570750

585mm

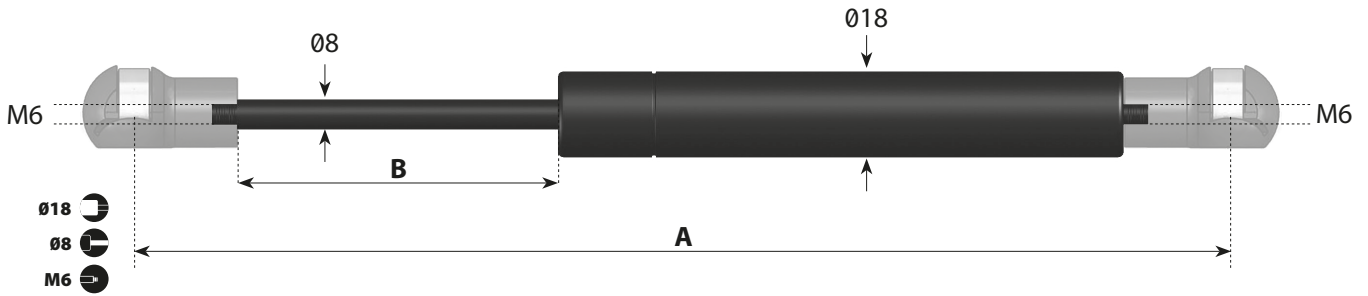
A	B	F	DOGA
585	245	100	808585100
585	245	150	808585150
585	245	200	808585200
585	245	250	808585250
585	245	300	808585300
585	245	350	808585350
585	245	400	808585400
585	245	450	808585450
585	245	500	808585500
585	245	550	808585550
585	245	600	808585600
585	245	650	808585650
585	245	700	808585700
585	245	750	808585750

610mm

A	B	F	DOGA
610	250	100	808610100
610	250	150	808610150
610	250	200	808610200
610	250	250	808610250
610	250	300	808610300
610	250	350	808610350
610	250	400	808610400
610	250	450	808610450
610	250	500	808610500
610	250	550	808610550
610	250	600	808610600
610	250	650	808610650
610	250	700	808610700
610	250	750	808610750

630mm

A	B	F	DOGA
630	270	100	808630100
630	270	150	808630150
630	270	200	808630200
630	270	250	808630250
630	270	300	808630300
630	270	350	808630350
630	270	400	808630400
630	270	450	808630450
630	270	500	808630500
630	270	550	808630550
630	270	600	808630600
630	270	650	808630650
630	270	700	808630700
630	270	750	808630750



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650mm

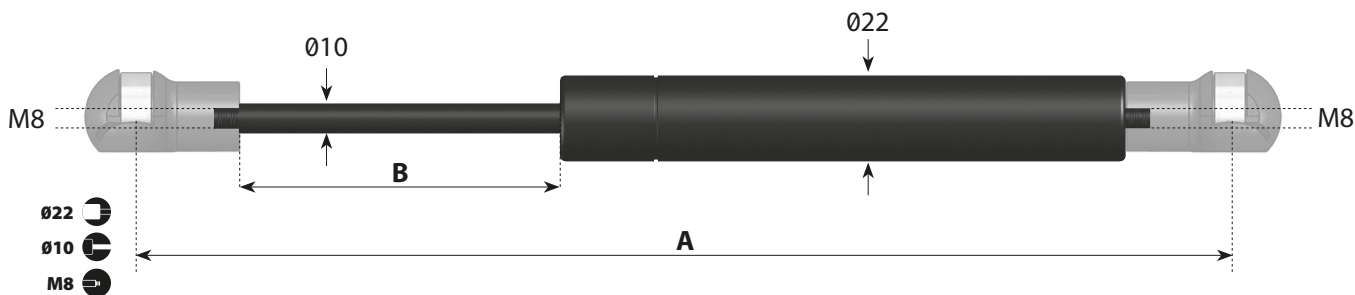
A	B	F	DOGA
650	285	100	808650100
650	285	150	808650150
650	285	200	808650200
650	285	250	808650250
650	285	300	808650300
650	285	350	808650350
650	285	400	808650400
650	285	450	808650450
650	285	500	808650500
650	285	550	808650550
650	285	600	808650600
650	285	650	808650650
650	285	700	808650700
650	285	750	808650750

700mm

A	B	F	DOGA
700	300	100	808700100
700	300	150	808700150
700	300	200	808700200
700	300	250	808700250
700	300	300	808700300
700	300	350	808700350
700	300	400	808700400
700	300	450	808700450
700	300	500	808700500
700	300	550	808700550
700	300	600	808700600
700	300	650	808700650
700	300	700	808700700
700	300	750	808700750

750mm

A	B	F	DOGA
750	330	100	808750100
750	330	150	808750150
750	330	200	808750200
750	330	250	808750250
750	330	300	808750300
750	330	350	808750350
750	330	400	808750400
750	330	450	808750450
750	330	500	808750500
750	330	550	808750550
750	330	600	808750600
750	330	650	808750650
750	330	700	808750700
750	330	750	808750750



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250mm

A	B	F	DOGA
250	75	350	810250350
250	75	400	810250400
250	75	450	810250450
250	75	500	810250500
250	75	550	810250550
250	75	600	810250600
250	75	650	810250650
250	75	700	810250700
250	75	750	810250750
250	75	800	810250800
250	75	850	810250850
250	75	900	810250900
250	75	950	810250950
250	75	1000	8102501000
250	75	1200	8102501200

285mm

A	B	F	DOGA
285	90	350	810285350
285	90	400	810285400
285	90	450	810285450
285	90	500	810285500
285	90	550	810285550
285	90	600	810285600
285	90	650	810285650
285	90	700	810285700
285	90	750	810285750
285	90	800	810285800
285	90	850	810285850
285	90	900	810285900
285	90	950	810285950
285	90	1000	8102851000
285	90	1200	8102851200

300mm

A	B	F	DOGA
300	95	350	810300350
300	95	400	810300400
300	95	450	810300450
300	95	500	810300500
300	95	550	810300550
300	95	600	810300600
300	95	650	810300650
300	95	700	810300700
300	95	750	810300750
300	95	800	810300800
300	95	850	810300850
300	95	900	810300900
300	95	950	810300950
300	95	1000	8103001000
300	95	1200	8103001200

330mm

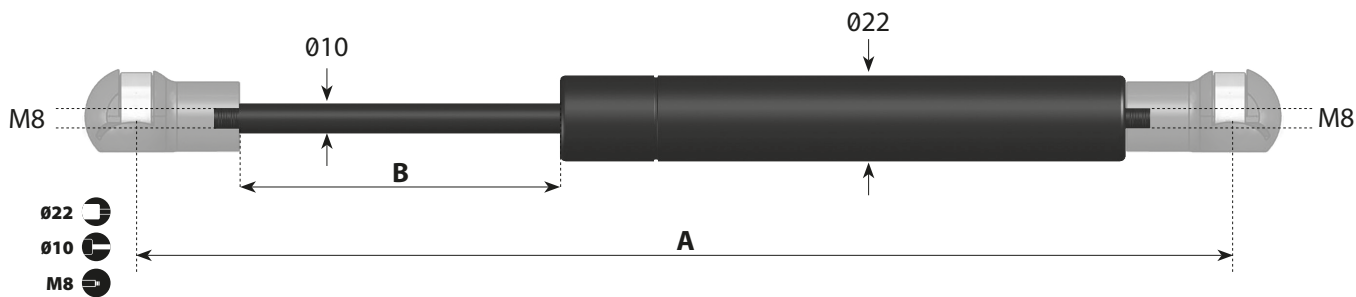
A	B	F	DOGA
330	110	350	810330350
330	110	400	810330400
330	110	450	810330450
330	110	500	810330500
330	110	550	810330550
330	110	600	810330600
330	110	650	810330650
330	110	700	810330700
330	110	750	810330750
330	110	800	810330800
330	110	850	810330850
330	110	900	810330900
330	110	950	810330950
330	110	1000	8103301000
330	110	1200	8103301200

370mm

A	B	F	DOGA
370	135	350	810370350
370	135	400	810370400
370	135	450	810370450
370	135	500	810370500
370	135	550	810370550
370	135	600	810370600
370	135	650	810370650
370	135	700	810370700
370	135	750	810370750
370	135	800	810370800
370	135	850	810370850
370	135	900	810370900
370	135	950	810370950
370	135	1000	8103701000
370	135	1200	8103701200

390mm

A	B	F	DOGA
390	140	350	810390350
390	140	400	810390400
390	140	450	810390450
390	140	500	810390500
390	140	550	810390550
390	140	600	810390600
390	140	650	810390650
390	140	700	810390700
390	140	750	810390750
390	140	800	810390800
390	140	850	810390850
390	140	900	810390900
390	140	950	810390950
390	140	1000	8103901000
390	140	1200	8103901200



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410mm

A	B	F	DOGA
410	160	350	810410350
410	160	400	810410400
410	160	450	810410450
410	160	500	810410500
410	160	550	810410550
410	160	600	810410600
410	160	650	810410650
410	160	700	810410700
410	160	750	810410750
410	160	800	810410800
410	160	850	810410850
410	160	900	810410900
410	160	950	810410950
410	160	1000	8104101000
410	160	1200	8104101200

430mm

A	B	F	DOGA
430	170	350	810430350
430	170	400	810430400
430	170	450	810430450
430	170	500	810430500
430	170	550	810430550
430	170	600	810430600
430	170	650	810430650
430	170	700	810430700
430	170	750	810430750
430	170	800	810430800
430	170	850	810430850
430	170	900	810430900
430	170	950	810430950
430	170	1000	8104301000
430	170	1200	8104301200

450mm

A	B	F	DOGA
450	180	350	810450350
450	180	400	810450400
450	180	450	810450450
450	180	500	810450500
450	180	550	810450550
450	180	600	810450600
450	180	650	810450650
450	180	700	810450700
450	180	750	810450750
450	180	800	810450800
450	180	850	810450850
450	180	900	810450900
450	180	950	810450950
450	180	1000	8104501000
450	180	1200	8104501200

485mm

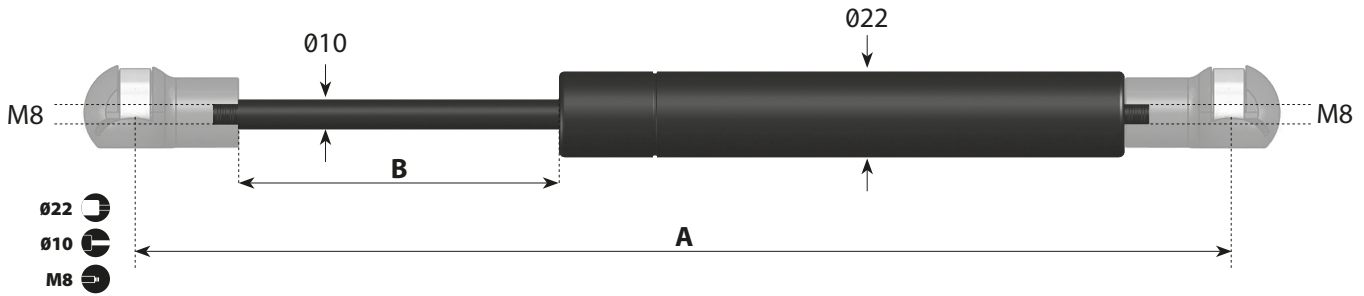
A	B	F	DOGA
485	190	350	810485350
485	190	400	810485400
485	190	450	810485450
485	190	500	810485500
485	190	550	810485550
485	190	600	810485600
485	190	650	810485650
485	190	700	810485700
485	190	750	810485750
485	190	800	810485800
485	190	850	810485850
485	190	900	810485900
485	190	950	810485950
485	190	1000	8104851000
485	190	1200	8104851200

510mm

A	B	F	DOGA
510	200	350	810510350
510	200	400	810510400
510	200	450	810510450
510	200	500	810510500
510	200	550	810510550
510	200	600	810510600
510	200	650	810510650
510	200	700	810510700
510	200	750	810510750
510	200	800	810510800
510	200	850	810510850
510	200	900	810510900
510	200	950	810510950
510	200	1000	8105101000
510	200	1200	8105101200

530mm

A	B	F	DOGA
530	215	350	810530350
530	215	400	810530400
530	215	450	810530450
530	215	500	810530500
530	215	550	810530550
530	215	600	810530600
530	215	650	810530650
530	215	700	810530700
530	215	750	810530750
530	215	800	810530800
530	215	850	810530850
530	215	900	810530900
530	215	950	810530950
530	215	1000	8105301000
530	215	1200	8105301200



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550mm

A	B	F	DOGA
550	230	350	810550350
550	230	400	810550400
550	230	450	810550450
550	230	500	810550500
550	230	550	810550550
550	230	600	810550600
550	230	650	810550650
550	230	700	810550700
550	230	750	810550750
550	230	800	810550800
550	230	850	810550850
550	230	900	810550900
550	230	950	810550950
550	230	1000	8105501000
550	230	1200	8105501200

585mm

A	B	F	DOGA
585	240	350	810585350
585	240	400	810585400
585	240	450	810585450
585	240	500	810585500
585	240	550	810585550
585	240	600	810585600
585	240	650	810585650
585	240	700	810585700
585	240	750	810585750
585	240	800	810585800
585	240	850	810585850
585	240	900	810585900
585	240	950	810585950
585	240	1000	8105851000
585	240	1200	8105851200

610mm

A	B	F	DOGA
610	250	350	810610350
610	250	400	810610400
610	250	450	810610450
610	250	500	810610500
610	250	550	810610550
610	250	600	810610600
610	250	650	810610650
610	250	700	810610700
610	250	750	810610750
610	250	800	810610800
610	250	850	810610850
610	250	900	810610900
610	250	950	810610950
610	250	1000	8106101000
610	250	1200	8106101200

630mm

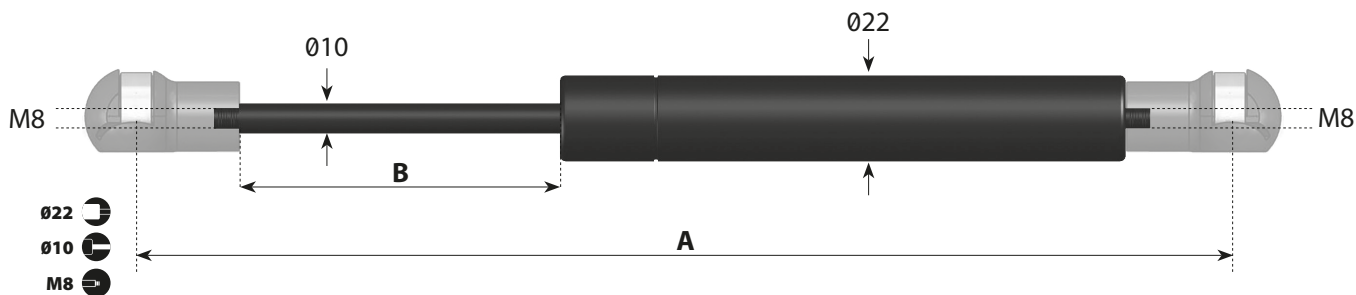
A	B	F	DOGA
630	270	350	810630350
630	270	400	810630400
630	270	450	810630450
630	270	500	810630500
630	270	550	810630550
630	270	600	810630600
630	270	650	810630650
630	270	700	810630700
630	270	750	810630750
630	270	800	810630800
630	270	850	810630850
630	270	900	810630900
630	270	950	810630950
630	270	1000	8106301000
630	270	1200	8106301200

650mm

A	B	F	DOGA
650	285	350	810650350
650	285	400	810650400
650	285	450	810650450
650	285	500	810650500
650	285	550	810650550
650	285	600	810650600
650	285	650	810650650
650	285	700	810650700
650	285	750	810650750
650	285	800	810650800
650	285	850	810650850
650	285	900	810650900
650	285	950	810650950
650	285	1000	8106501000
650	285	1200	8106501200

685mm

A	B	F	DOGA
685	290	150	810685150
685	290	200	810685200
685	290	250	810685250
685	290	300	810685300
685	290	350	810685350
685	290	400	810685400
685	290	450	810685450
685	290	500	810685500
685	290	550	810685550
685	290	600	810685600
685	290	650	810685650
685	290	700	810685700
685	290	750	810685750
685	290	800	810685800
685	290	850	810685850
685	290	900	810685900
685	290	950	810685950
685	290	1000	8106851000
685	290	1200	8106851200



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700mm

A	B	F	DOGA
700	300	350	810700350
700	300	400	810700400
700	300	450	810700450
700	300	500	810700500
700	300	550	810700550
700	300	600	810700600
700	300	650	810700650
700	300	700	810700700
700	300	750	810700750
700	300	800	810700800
700	300	850	810700850
700	300	900	810700900
700	300	950	810700950
700	300	1000	8107001000
700	300	1200	8107001200

725mm

A	B	F	DOGA
725	320	350	810725350
725	320	400	810725400
725	320	450	810725450
725	320	500	810725500
725	320	550	810725550
725	320	600	810725600
725	320	650	810725650
725	320	700	810725700
725	320	750	810725750
725	320	800	810725800
725	320	850	810725850
725	320	900	810725900
725	320	950	810725950
725	320	1000	8107251000
725	320	1200	8107251200

750mm

A	B	F	DOGA
750	330	350	810750350
750	330	400	810750400
750	330	450	810750450
750	330	500	810750500
750	330	550	810750550
750	330	600	810750600
750	330	650	810750650
750	330	700	810750700
750	330	750	810750750
750	330	800	810750800
750	330	850	810750850
750	330	900	810750900
750	330	950	810750950
750	330	1000	8107501000
750	330	1200	8107501200

775mm

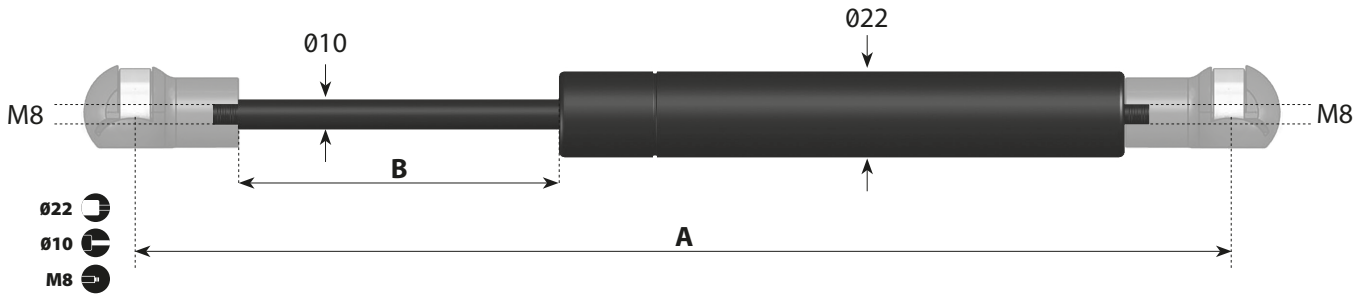
A	B	F	DOGA
775	340	350	810775350
775	340	400	810775400
775	340	450	810775450
775	340	500	810775500
775	340	550	810775550
775	340	600	810775600
775	340	650	810775650
775	340	700	810775700
775	340	750	810775750
775	340	800	810775800
775	340	850	810775850
775	340	900	810775900
775	340	950	810775950
775	340	1000	8107751000
775	340	1200	8107751200

785mm

A	B	F	DOGA
785	340	150	810785150
785	340	200	810785200
785	340	250	810785250
785	340	300	810785300
785	340	350	810785350
785	340	400	810785400
785	340	450	810785450
785	340	500	810785500
785	340	550	810785550
785	340	600	810785600
785	340	650	810785650
785	340	700	810785700
785	340	750	810785750
785	340	800	810785800
785	340	850	810785850
785	340	900	810785900
785	340	950	810785950
785	340	1000	8107851000
785	340	1200	8107851200

800mm

A	B	F	DOGA
800	350	350	810800350
800	350	400	810800400
800	350	450	810800450
800	350	500	810800500
800	350	550	810800550
800	350	600	810800600
800	350	650	810800650
800	350	700	810800700
800	350	750	810800750
800	350	800	810800800
800	350	850	810800850
800	350	900	810800900
800	350	950	810800950
800	350	1000	8108001000
800	350	1200	8108001200



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825mm

A	B	F	DOGA
825	355	200	810825200
825	355	250	810825250
825	355	300	810825300
825	355	350	810825350
825	355	400	810825400
825	355	450	810825450
825	355	500	810825500
825	355	550	810825550
825	355	600	810825600
825	355	650	810825650
825	355	700	810825700
825	355	750	810825750
825	355	800	810825800
825	355	850	810825850
825	355	900	810825900
825	355	950	810825950
825	355	1000	8108251000
825	355	1200	8108251200

725mm

A	B	F	DOGA
725	320	350	810725350
725	320	400	810725400
725	320	450	810725450
725	320	500	810725500
725	320	550	810725550
725	320	600	810725600
725	320	650	810725650
725	320	700	810725700
725	320	750	810725750
725	320	800	810725800
725	320	850	810725850
725	320	900	810725900
725	320	950	810725950
725	320	1000	8107251000
725	320	1200	8107251200

850mm

A	B	F	DOGA
850	373	350	810850350
850	373	400	810850400
850	373	450	810850450
850	373	500	810850500
850	373	550	810850550
850	373	600	810850600
850	373	650	810850650
850	373	700	810850700
850	373	750	810850750
850	373	800	810850800
850	373	850	810850850
850	373	900	810850900
850	373	950	810850950
850	373	1000	8108501000
850	373	1200	8108501200

875mm

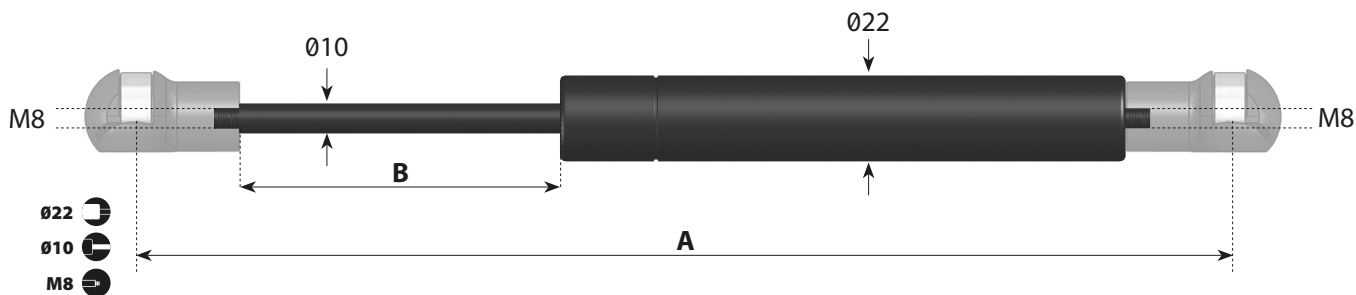
A	B	F	DOGA
875	385	350	810875350
875	385	400	810875400
875	385	450	810875450
875	385	500	810875500
875	385	550	810875550
875	385	600	810875600
875	385	650	810875650
875	385	700	810875700
875	385	750	810875750
875	385	800	810875800
875	385	850	810875850
875	385	900	810875900
875	385	950	810875950
875	385	1000	8108751000
875	385	1200	8108751200

885mm

A	B	F	DOGA
885	390	150	810885150
885	390	200	810885200
885	390	250	810885250
885	390	300	810885300
885	390	350	810885350
885	390	400	810885400
885	390	450	810885450
885	390	500	810885500
885	390	550	810885550
885	390	600	810885600
885	390	650	810885650
885	390	700	810885700
885	390	750	810885750
885	390	800	810885800
885	390	850	810885850
885	390	900	810885900
885	390	950	810885950
885	390	1000	8108851000
885	390	1200	8108851200

900mm

A	B	F	DOGA
900	400	350	810900350
900	400	400	810900400
900	400	450	810900450
900	400	500	810900500
900	400	550	810900550
900	400	600	810900600
900	400	650	810900650
900	400	700	810900700
900	400	750	810900750
900	400	800	810900800
900	400	850	810900850
900	400	900	810900900
900	400	950	810900950
900	400	1000	8109001000
900	400	1200	8109001200



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910mm

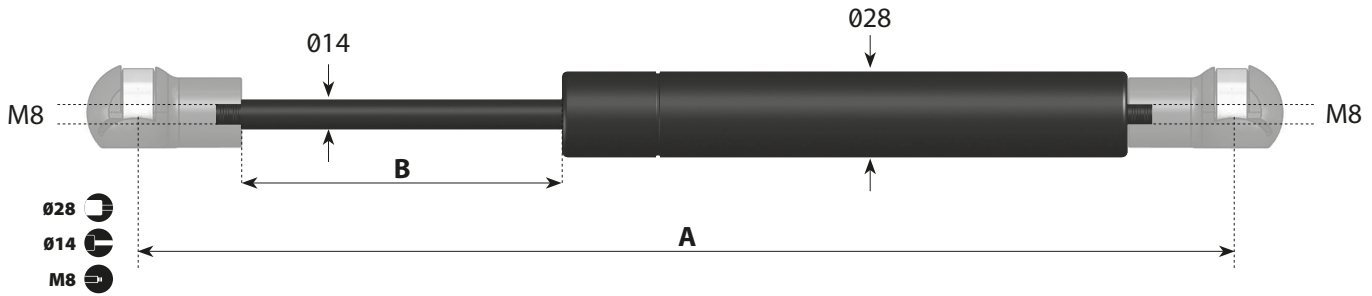
A	B	F	DOGA
910	400	200	810910200
910	400	250	810910250
910	400	300	810910300
910	400	350	810910350
910	400	400	810910400
910	400	450	810910450
910	400	500	810910500
910	400	550	810910550
910	400	600	810910600
910	400	650	810910650
910	400	700	810910700
910	400	750	810910750
910	400	800	810910800
910	400	850	810910850
910	400	900	810910900
910	400	950	810910950
910	400	1000	8109101000
910	400	1200	8109101200

925mm

A	B	F	DOGA
925	410	350	810925350
925	410	400	810925400
925	410	450	810925450
925	410	500	810925500
925	410	550	810925550
925	410	600	810925600
925	410	650	810925650
925	410	700	810925700
925	410	750	810925750
925	410	800	810925800
925	410	850	810925850
925	410	900	810925900
925	410	950	810925950
925	410	1000	8109251000
925	410	1200	8109251200

950mm

A	B	F	DOGA
950	420	350	810950350
950	420	400	810950400
950	420	450	810950450
950	420	500	810950500
950	420	550	810950550
950	420	600	810950600
950	420	650	810950650
950	420	700	810950700
950	420	750	810950750
950	420	800	810950800
950	420	850	810950850
950	420	900	810950900
950	420	950	810950950
950	420	1000	8109501000
950	420	1200	8109501200



Por favor, consultenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

350mm

A	B	F	DOGA
350	120	800	814350800
350	120	900	814350900
350	120	1000	8143501000
350	120	1200	8143501200
350	120	1300	8143501300
350	120	1500	8143501500

400mm

A	B	F	DOGA
400	145	800	814400800
400	145	900	814400900
400	145	1000	8144001000
400	145	1200	8144001200
400	145	1300	8144001300
400	145	1500	8144001500

450mm

A	B	F	DOGA
450	170	800	814450800
450	170	900	814450900
450	170	1000	8144501000
450	170	1200	8144501200
450	170	1300	8144501300
450	170	1500	8144501500

500mm

A	B	F	DOGA
500	195	800	814500800
500	195	900	814500900
500	195	1000	8145001000
500	195	1200	8145001200
500	195	1300	8145001300
500	195	1500	8145001500

550mm

A	B	F	DOGA
550	220	800	814550800
550	220	900	814550900
550	220	1000	8145501000
550	220	1200	8145501200
550	220	1300	8145501300
550	220	1500	8145501500

580mm

A	B	F	DOGA
580	235	800	814580800
580	235	900	814580900
580	235	1000	8145801000
580	235	1200	8145801200
580	235	1300	8145801300
580	235	1500	8145801500

600mm

A	B	F	DOGA
600	245	800	814350800
600	245	900	814350900
600	245	1000	8143501000
600	245	1200	8143501200
600	245	1300	8143501300
600	245	1500	8143501500

630mm

A	B	F	DOGA
630	270	800	814630800
630	270	900	814630900
630	270	1000	8146301000
630	270	1200	8146301200
630	270	1300	8146301300
630	270	1500	8146301500

650mm

A	B	F	DOGA
650	270	800	814650800
650	270	900	814650900
650	270	1000	8146501000
650	270	1200	8146501200
650	270	1300	8146501300
650	270	1500	8146501500

680mm

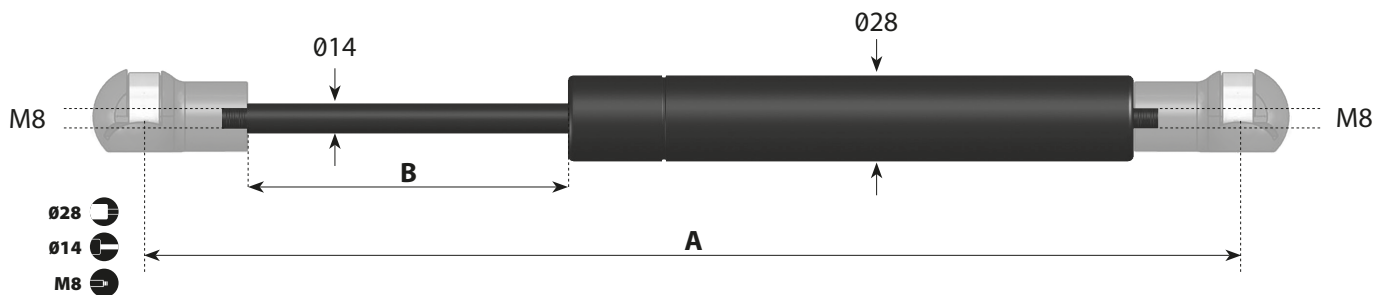
A	B	F	DOGA
680	295	800	814680800
680	295	900	814680900
680	295	1000	8146801000
680	295	1200	8146801200
680	295	1300	8146801300
680	295	1500	8146801500

700mm

A	B	F	DOGA
700	295	800	814700800
700	295	900	814700900
700	295	1000	8147001000
700	295	1200	8147001200
700	295	1300	8147001300
700	295	1500	8147001500

725mm

A	B	F	DOGA
725	320	800	814725800
725	320	900	814725900
725	320	1000	8147251000
725	320	1200	8147251200
725	320	1300	8147251300
725	320	1500	8147251500



Por favor, consúltenos para otras medidas o especificaciones. Please, contact us for other measures or specifications. S'il vous plaît, contactez-nous pour d'autres mesures ou spécifications.

775mm

A	B	F	DOGA
775	340	800	814775800
775	340	900	814775900
775	340	1000	8147751000
775	340	1200	8147751200
775	340	1300	8147751300
775	340	1500	8147751500

800mm

A	B	F	DOGA
800	345	800	814800800
800	345	900	814800900
800	345	1000	8148001000
800	345	1100	8148001100
800	345	1200	8148001200
800	345	1300	8148001300
800	345	1500	8148001500

825mm

A	B	F	DOGA
825	360	800	814825800
825	360	900	814825900
825	360	1000	8148251000
825	360	1200	8148251200
825	360	1300	8148251300
825	360	1500	8148251500

850mm

A	B	F	DOGA
850	370	800	814850800
850	370	900	814850900
850	370	1000	8148501000
850	370	1200	8148501200
850	370	1300	8148501300
850	370	1500	8148501500

875mm

A	B	F	DOGA
875	385	800	814875800
875	385	900	814875900
875	385	1000	8148751000
875	385	1200	8148751200
875	385	1300	8148751300
875	385	1500	8148751500

900mm

A	B	F	DOGA
900	395	800	814900800
900	395	900	814900900
900	395	1000	8149001000
900	395	1200	8149001200
900	395	1300	8149001300
900	395	1500	8149001500

925mm

A	B	F	DOGA
925	410	800	814925800
925	410	900	814925900
925	410	1000	8149251000
925	410	1200	8149251200
925	410	1300	8149251300
925	410	1500	8149251500

950mm

A	B	F	DOGA
950	420	800	814950800
950	420	900	814950900
950	420	1000	8149501000
950	420	1200	8149501200
950	420	1300	8149501300
950	420	1500	8149501500

7366

PRLONGADOR - EXTENSION END - EXTENSION



10mm
M6
Steel

7376

PRLONGADOR - EXTENSION END - EXTENSION



15mm
M6
Steel

7386

PRLONGADOR - EXTENSION END - EXTENSION



20mm
M6
Steel

7426

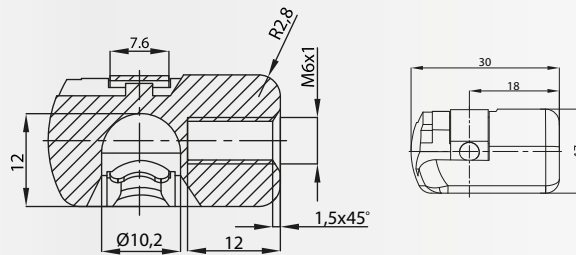
CONVERTIDOR M6 A M8 - ADAPTER M6 TO M8 -
ADAPTATEUR M6 À M8



M6
TO
M8

7236

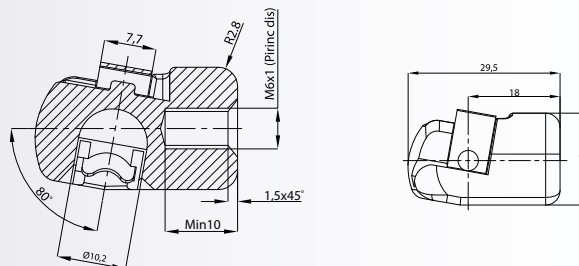
RÓTULA - BALLCUP - ROTULE



M6, Ø10
Composite
Black

7206

RÓTULA CON ÁNGULO 10° - BALLCUP ANGLE 10° - ROTULE AVEC ANGLE 10°

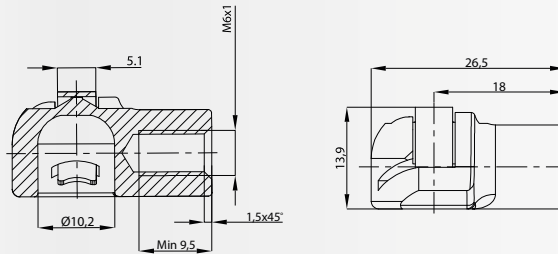


M6, Ø10
Composite
Black



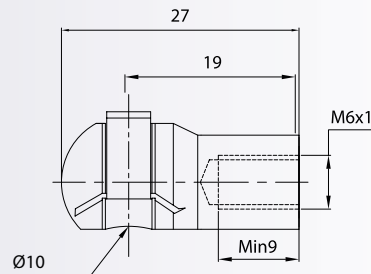
Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7226 RÓTULA - BALLCUP - ROTULE



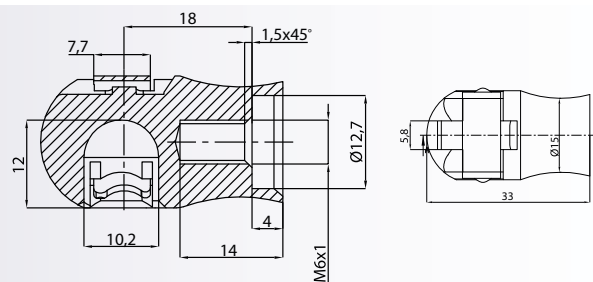
M6, Ø10
Composite
Black Zinc

7086 RÓTULA - BALLCUP - ROTULE



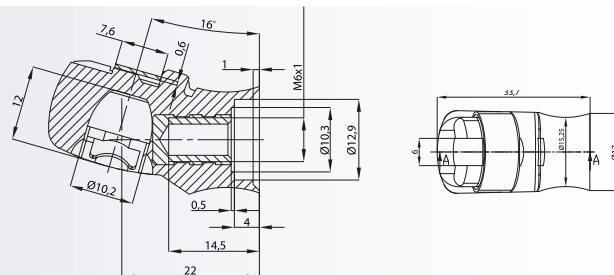
M6, Ø10
Steel
Black Zinc

7266 RÓTULA - BALLCUP - ROTULE



M6, Ø10
Composite
Black

7276 RÓTULA CON ÁNGULO 16° - BALLCUP ANGLE 16° - ROTULE AVEC ANGLE 16°



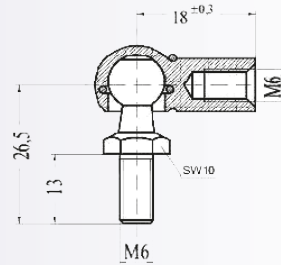
M6, Ø10
Composite
Black



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7396

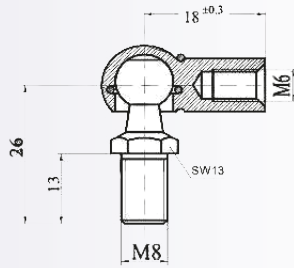
RÓTULA DE METAL - METAL SOCKETS - ROTULE MÉTALLIQUE



M6
L 18
SHAFT 6

7406

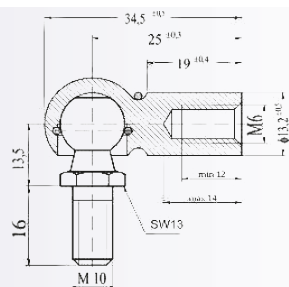
RÓTULA DE METAL - METAL SOCKETS - ROTULE MÉTALLIQUE



M6
L 18
SHAFT 8

7416

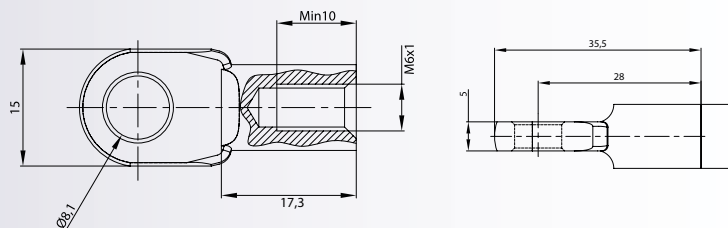
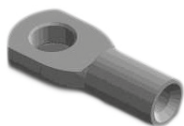
RÓTULA DE METAL - METAL SOCKETS - ROTULE MÉTALLIQUE



M6
L 18
SHAFT 10

7176

ANCLAJE OJO - METAL EYELET - CHAPE À OEIL

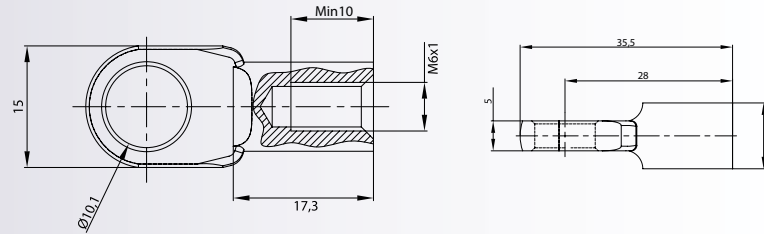


M6, Ø8
Steel
Black Zinc



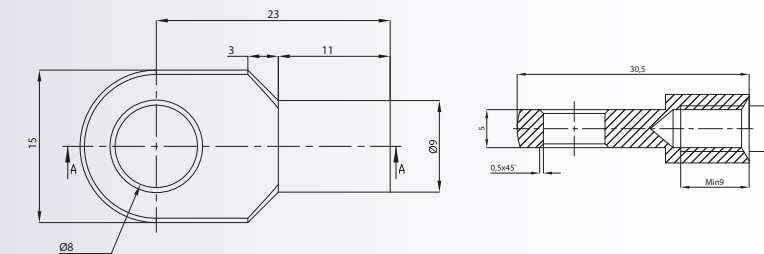
Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7166 ANCLAJE OJO - METAL EYELET - CHAPE À OEIL



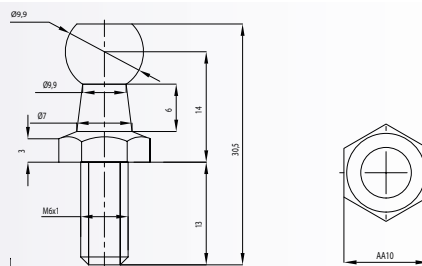
M6, Ø10
Steel
Black Zinc

7156 ANCLAJE OJO - METAL EYELET - CHAPE À OEIL



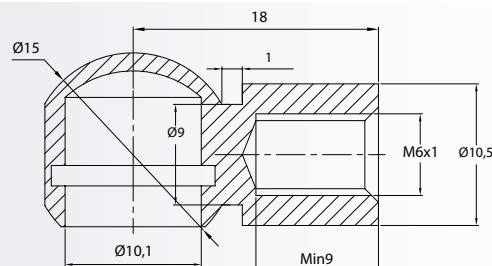
M6, Ø8
Steel
Black Zinc

7016 ESPIGA / BOLA - BALL STUD - ROTULE POUR CAGE



M6, Ø10
Steel
Black Zinc

7076 RÓTULA - BALLCUP - ROTULE



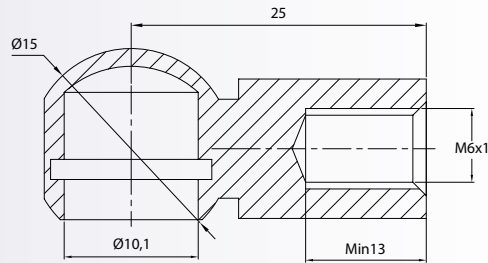
M6, Ø10
Steel
Black Zinc



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7096

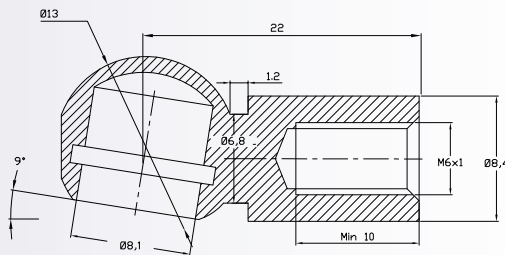
RÓTULA - BALLCUP - ROTULE



M6, Ø10
Steel
Black Zinc

7356

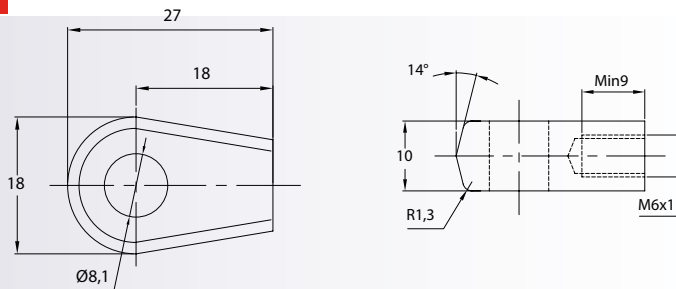
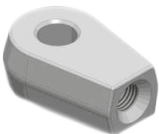
RÓTULA CON ÁNGULO 9° - BALLCUP ANGLE 9° - ROTULE AVEC ANGLE 9°



M6, Ø10
Steel
Black Zinc

7296

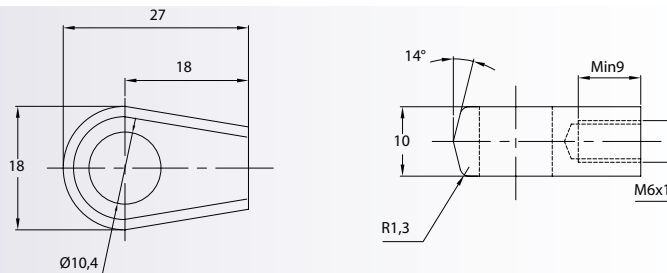
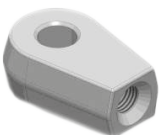
ANCLAJE TIPO OJO - EYELET - CHAPE A OEIL



M6, Ø8
Zinc Alloy
Grey

7286

ANCLAJE TIPO OJO - EYELET - CHAPE A OEIL



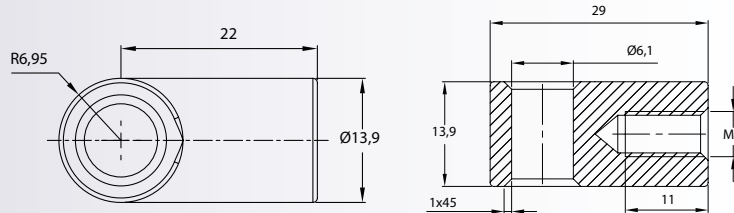
M6, Ø10,4
Zinc Alloy
Grey



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7326

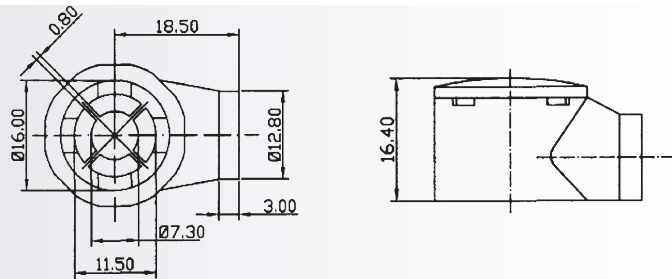
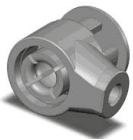
ANCLAJE TIPO OJO - EYELET - CHAPE A OEIL



M6, Ø6,2
Zinc Alloy
Grey

7256

RÓTULA - BALLCUP - ROTULE



M6, Ø10
Composite
Black



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7368

PRLONGADOR - EXTENSION END - EXTENSION



10mm
M8
Steel

7378

PRLONGADOR - EXTENSION END - EXTENSION



15mm
M8
Steel

7388

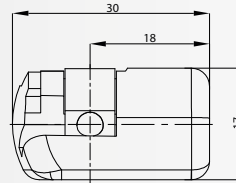
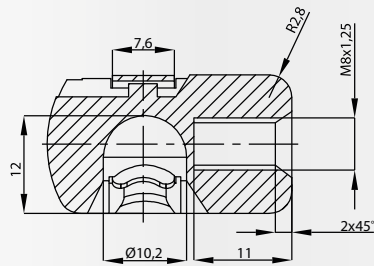
PRLONGADOR - EXTENSION END - EXTENSION



20mm
M8
Steel

7248

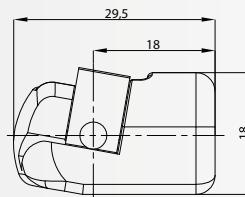
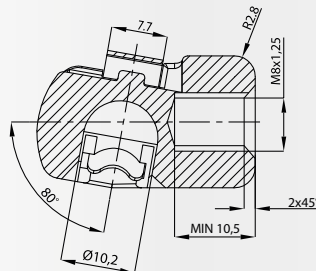
RÓTULA - BALLCUP - ROTULE



M8, Ø10
Composite
Black

7218

RÓTULA CON ÁNGULO 10° - BALLCUP ANGLE 10° - ROTULE AVEC ANGLE 10°

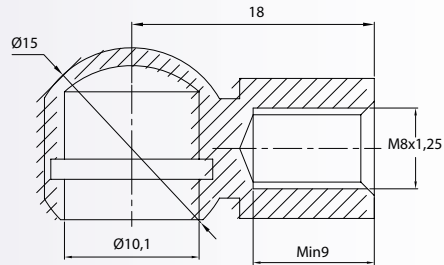


M8, Ø10
Composite
Black



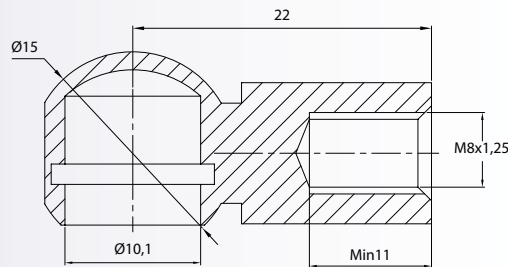
Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7108 RÓTULA - BALLCUP - ROTULE



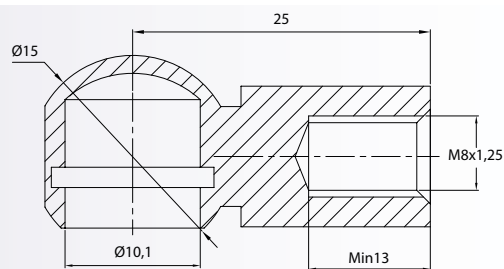
M8, Ø10
Steel
Black Zinc

7118 RÓTULA - BALLCUP - ROTULE



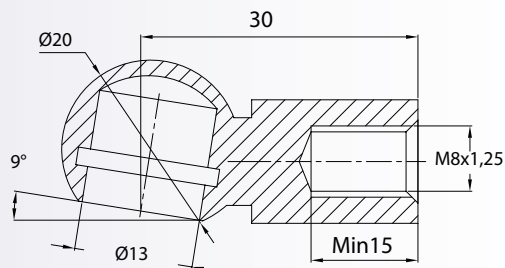
M8, Ø10
Steel
Black Zinc

7128 RÓTULA - BALLCUP - ROTULE



M8, Ø10
Steel
Black Zinc

7138 RÓTULA CON ÁNGULO 10° - BALLCUP ANGLE 10° - ROTULE AVEC ANGLE 10°



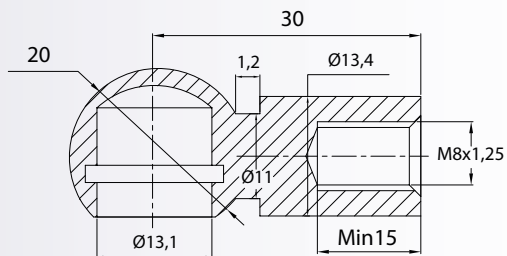
M8, Ø13
Steel
Black Zinc



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7148

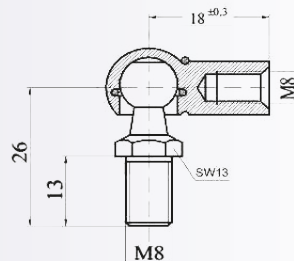
RÓTULA - BALLCUP - ROTULE



M8, Ø13
Steel
Black Zinc

7398

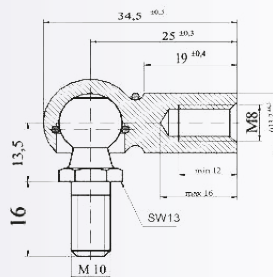
RÓTULA DE METAL - METAL SOCKETS - ROTULE METÁLLIQUE



M8 - L18
HEAD 10
SHAFT 6

7408

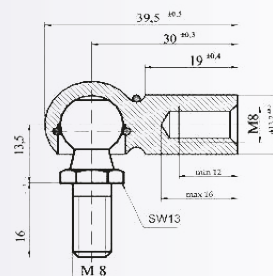
RÓTULA DE METAL - METAL SOCKETS - ROTULE METÁLLIQUE



M8 - L25
HEAD 13
SHAFT 10

7418

RÓTULA DE METAL - METAL SOCKETS - ROTULE METÁLLIQUE



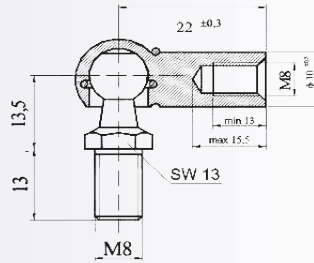
M8 - L30
HEAD 13
SHAFT 8



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7428

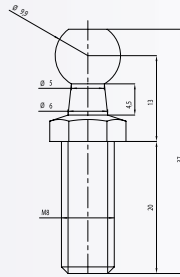
RÓTULA DE METAL - METAL SOCKETS - ROTULE MÉTALLIQUE



M8 - L22
HEAD 13
SHAFT 8

7028

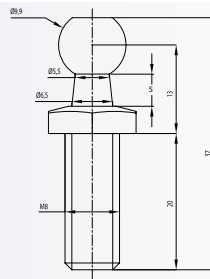
ESPIGA / BOLA - BALL STUD - ROTULE POUR CAGE



M8, Ø10
Steel
Black Zinc

7038

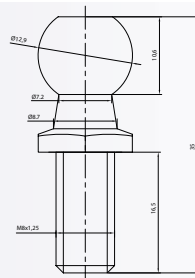
ESPIGA / BOLA - BALL STUD - ROTULE POUR CAGE



M8, Ø10
Steel
Black Zinc

7048

ESPIGA / BOLA - BALL STUD - ROTULE POUR CAGE



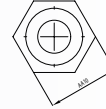
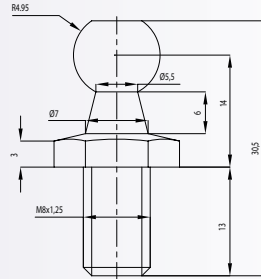
M8, Ø13
Steel
Black Zinc



Por favor, consultenos para otras medidas o especificaciones.
Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7058

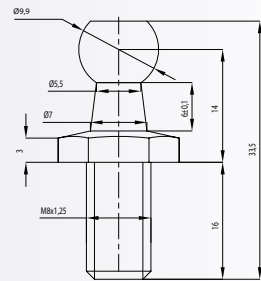
ESPIGA / BOLA - BALL STUD - ROTULE POUR CAGE



M8, Ø10
Steel
Black Zinc

7068

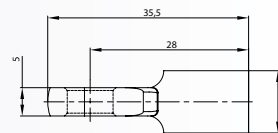
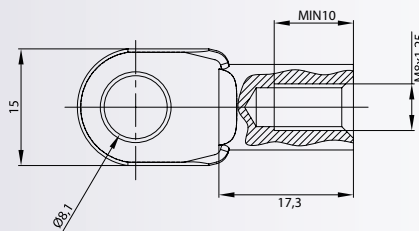
ESPIGA / BOLA - BALL STUD - ROTULE POUR CAGE



M8, Ø10
Steel
Black Zinc

7188

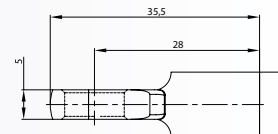
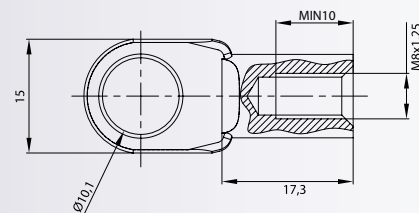
ANCLAJE OJO - METAL EYELET - CHAPE À OEIL



M8, Ø8
Steel
Black Zinc

7198

ANCLAJE OJO - METAL EYELET - CHAPE À OEIL



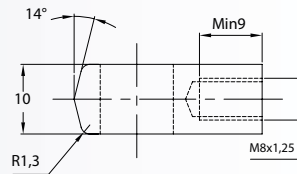
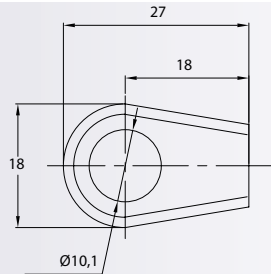
M8, Ø10
Steel
Black Zinc



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Please, contact us for other measures or specifications.
Nous vous prions de nous contacter pour demander des autres dimensions disponibles.

7308

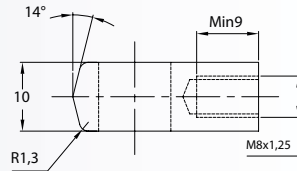
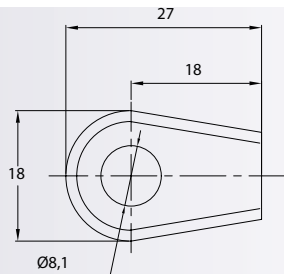
ANCLAJE TIPO OJO - EYELET - CHAPE A OEIL



**M8, Ø10
Zinc Alloy
Grey**

7318

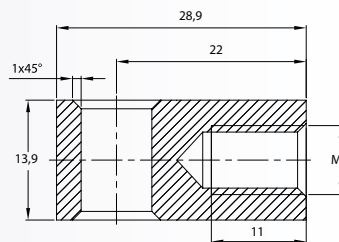
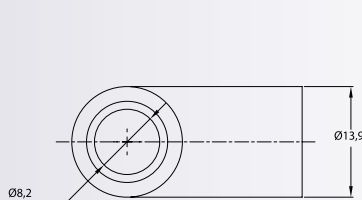
ANCLAJE TIPO OJO - EYELET - CHAPE A OEIL



**M8, Ø8
Zinc Alloy
Grey**

7328

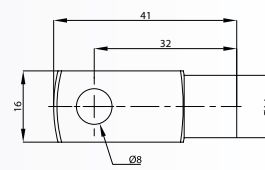
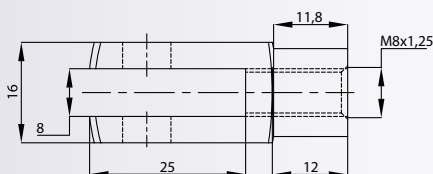
ANCLAJE TIPO OJO - EYELET - CHAPE A OEIL



**M8, Ø8,2
Zinc Alloy
Grey**

7348

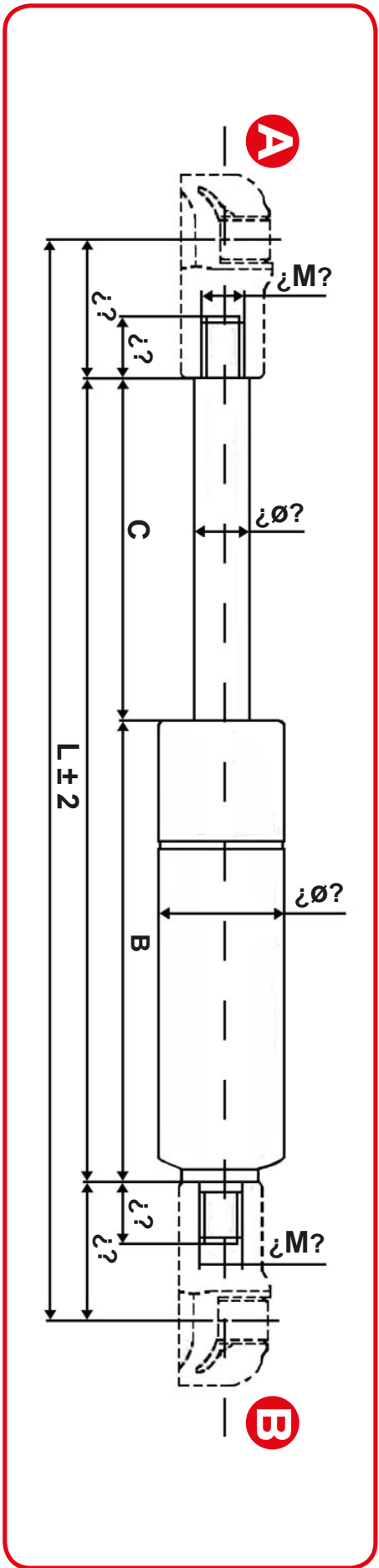
HORQUILLA - CLEVIS - FOURCHE



**M8, Ø8
Zinc Alloy
Grey**



Por favor, consultenos para otras medidas o especificaciones.
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ANCLAJE VARILLA ROD END FITTING

A

ANCLAJE CUERPO TUBE END FITTING

B

VARILLA ROD	CUERPO TUBE	LONG. ABIERTA EXTENDED LENGTH	LONG. VARILLA STROKE	LONG. CUERPO TUBE LENGTH	FUERZA (N) FORCE (N)	CANTIDAD QUANTITY	APLICACION APPLICATION

DATOS DE RESORTE MUESTRA:
GAS SPRING DATA SAMPLE:

Nº CLIENTE:
Nº CUSTOMER:

NOMBRE:
NAME:

PERSONA DE CONTACTO:
PERSON IN CHARGE:

FECHA DE CONSULTA:
INQUIRY DATE:

OBSERVACIONES:
REMARKS:



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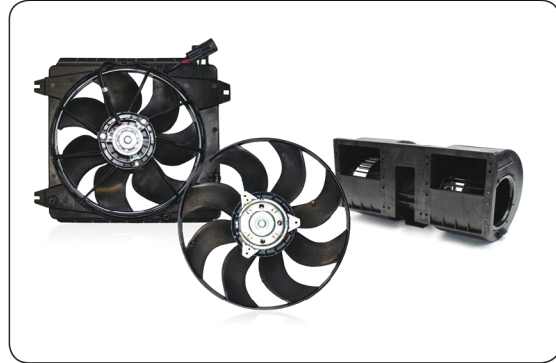
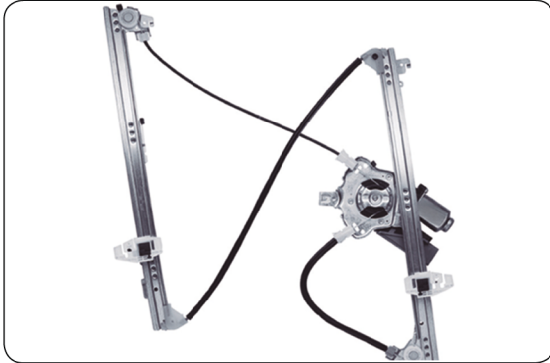
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