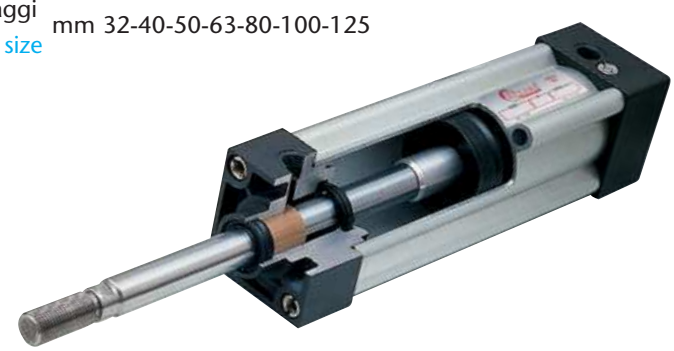
SERIE SERIES CN

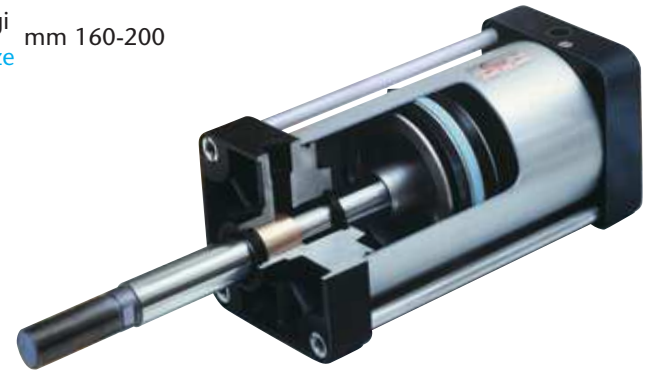
Testate in lega leggera anodizzate nere.
Camicia a profilo lobato in alluminio calibrata ed anodizzata.
Light alloy end caps black anodized.
Lobate profile aluminium body gauged inside and outside.

Alesaggi Bore size mm 32-40-50-63-80-100-125



Testate in lega leggera verniciate epox nere.
Camicia a profilo tondo in alluminio calibrata ed anodizzata.
Tiranti in acciaio zincato.
Light alloy end caps painted black.
Clean profile aluminium body gauged inside and outside.
Tie rods in zinc plated steel.

Alesaggi Bore size mm 160-200

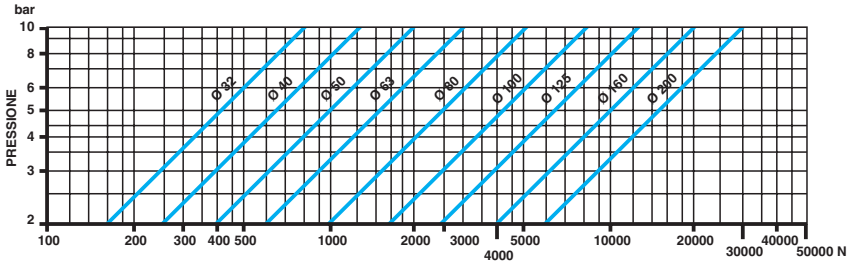


DATI TECNICI TECHNICAL DATA

Pressione max: 10 bar
Fluido: aria filtrata con o senza lubrificazione.
Temperatura: –20°C a +70°C.

Max. pressure: 10 bar
Power fluid: filtered air with or without lubrication.
Temperature range: –20°C to +70°C.

Forza teorica dei cilindri. Cylinders' theoretic force.



CORSE STANDARD DISPONIBILI AVAILABLE STANDARD STROKES

Alesaggio Bore size mm	Corsa Stroke 25	50	75	80	100	125	150	160	200	250	300	350	400	500	600	700	800	1000
32	•	•	•	•	•	•	•	•	•	•	•							
40	•	•	•	•	•	•	•	•	•	•	•	•	•					
50	•	•	•	•	•	•	•	•	•	•	•	•	•					
63	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
100		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
125		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
160		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

A richiesta corse fino a 4000 mm

Strokes till 4000 mm by request

VARIANTI COSTRUTTIVE MANUFACTURING VARIANTS

NX	Stelo in acciaio inox-Aisi 304 (x5 CrNi 1810)	Aisi 304 stainless steel piston rod (X5 CrNi 1810)
HR	Stelo - tiranti - dadi in inox-Aisi 304 - vernice Epox	Piston rod, tie rods, nuts in Aisi 304 stainless steel - Epox painting
FKM	Con guarnizioni per alte temperature (max 180°)	With seals for high temperatures (max 180°)
TCX	Cilindri tandem in spinta	Tandem thrust cylinders
TCT	Cilindri tandem contrapposti	Opposed tandem cylinders

CARATTERISTICHE PRODOTTO PRODUCT FEATURES

Testate pressofuse in lega leggera, boccole guida-stelo in acciaio ricoperto da resine acetaliche.

Die-casted end caps in light anodized alloy, slide bush for piston rod in acetalic resins plated steel.

Vite di regolazione ammortizzatore con fresatura triangolare e guarnizione autocentrante.

Cushion regulation screw with triangular mill and self-adjusting seal.

Guarnizioni in gomma nitrilica anti-olio e poliuretano.

Nitrile rubber and polyurethane seals.

Stelo in acciaio C45, rettificato e cromato a spessore.

Piston rod in steel C45 grounded and hard chromium plated.

CODICE PER L'ORDINAZIONE CILINDRI ORDER CODE FOR CYLINDERS

CN M P 032 0200

- Cilindro standard CNOMO - Standard cylinder CNOMO
- Cilindro in versione magnetica - Magnetic cylinder
- Cilindro con stelo passante - Double ended piston rod
- Alesaggio cilindro - Cylinder bore size
- Corsa - Stroke
- Variante costruttiva Constructive variant: NX, HR, FKM, TCX, TCT

CODICE PER L'ORDINAZIONE FISSAGGI ORDER CODE FOR FIXINGS

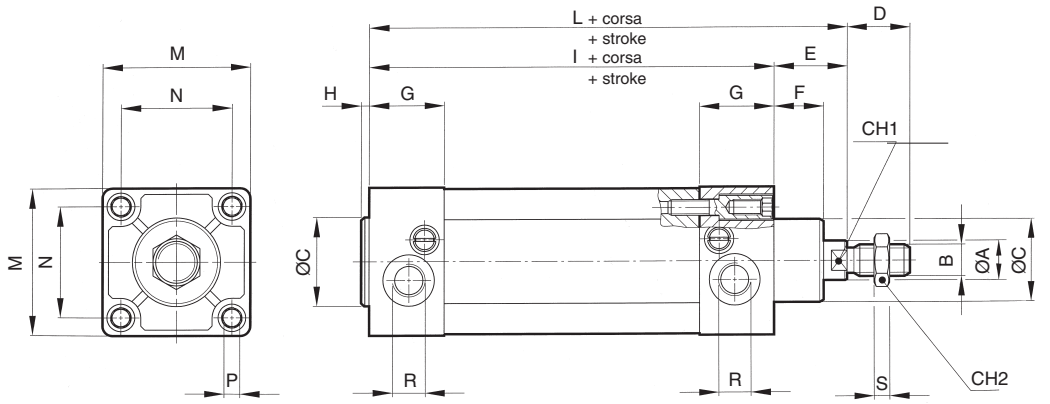
CN CA 032

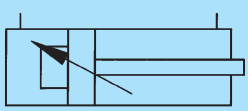
- Per cilindri CNOMO For cylinders CNOMO
- Fissaggio a cerniera Female pivot
- Alesaggio cilindro Cylinder bore size

CODICE PER L'ORDINAZIONE KIT GUARNIZIONI ORDER CODE FOR SEALS KIT

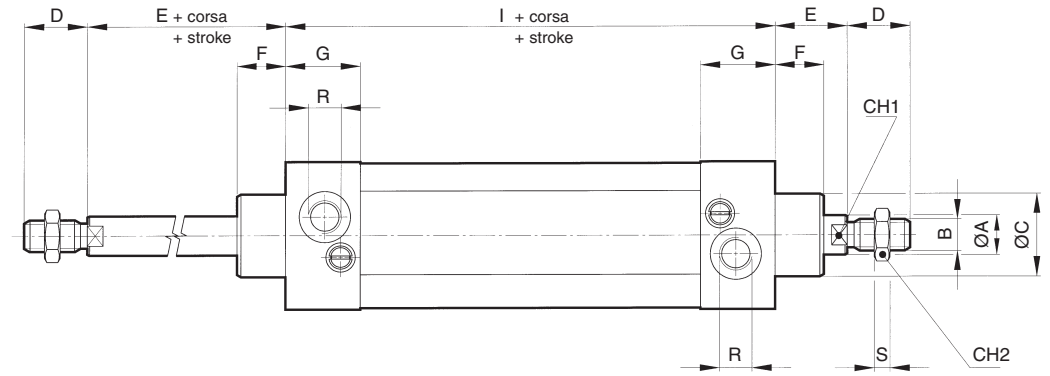
CN-32 SG M

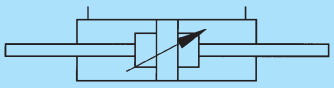
- Serie cilindro e alesaggio Series and bore size of cylinder
- Versione standard Standard version
- Versione magnetica Magnetic version





Esecuzione standard — Standard





Esecuzione a stelo passante — Double ended piston rod

Alesaggio Bore size mm	A	B	C e9	D	E	F	G	H	I	L	M	N	P	R	S	CH1	CH2
32	12	M 10x1,5	25	20	25	15	26	3	80	105	45	33	M6	G 1/8	5	8	17
40	18	M 16x1,5	32	36	34	15	36	3	110	144	52	40	M6	G 1/4	8	13	24
50	18	M 16x 1,5	32	36	34	15	36	4	110	144	65	49	M8	G 1/4	8	13	24
63	22	M 20x1,5	45	46	39	20	40	4	125	164	75	59	M8	G 3/8	10	17	30
80	22	M 20x1,5	45	46	39	20	40	5	125	164	95	75	M10	G 3/8	10	17	30
100	30	M 27x2	55	63	47	20	45	6	145	192	115	90	M10	G 1/2	13,5	22	41
125	30	M 27x2	55	63	47	20	45	6	145	192	140	110	M12	G 1/2	13,5	22	41
160	40	M 36x2	65	85	50	25	47,5	8	180	230	180	140	M16	G 3/4	18	32	55
200	40	M 36x2	65	85	50	25	47,5	8	180	230	220	175	M16	G 3/4	18	32	55

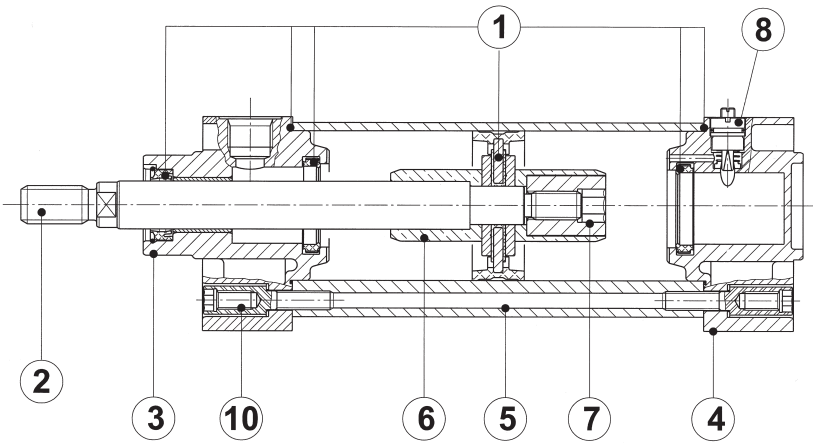
Alesaggio Bore size mm	Stelo Piston rod Ø mm	Lungh. ammortizz. Damping length mm	Area pistone spingente Pushing piston area cm^2	Area pistone traente Pulling piston area cm^2	Peso cilindro corsa 25 mm Weight of cylinder stroke 25 mm kg	Peso suppl. per ogni 100 mm di corsa Additional weight every 100 mm of stroke kg
32	12	18	8	6,9	0,6	0,25
40	18	23	12,5	10	0,9	0,36
50	18	23	19,5	17	1,4	0,48
63	22	27	31	27,5	2,0	0,60
80	22	27	50	46,5	2,9	0,82
100	30	33	78,5	71,5	4,9	1,12
125	30	33	123	115,5	6,0	1,2
160	40	37	201	189	11,2	1,9
200	40	37	314	301,5	15,3	2,2

Per le caratteristiche elettriche e dimensionali dei sensori magnetici da applicare ai cilindri serie CNM vedere a pag. 36.

For electrical and dimensional features of magnetic sensors to be used on cylinders series CNM see page 36.

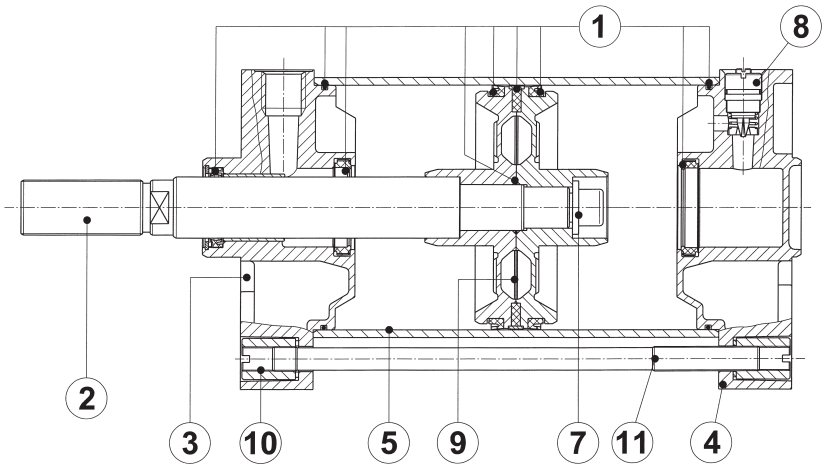
Serie CN
Series CN

Alesaggio
da 32 a 125 mm
Bore size
from 32 to 125 mm



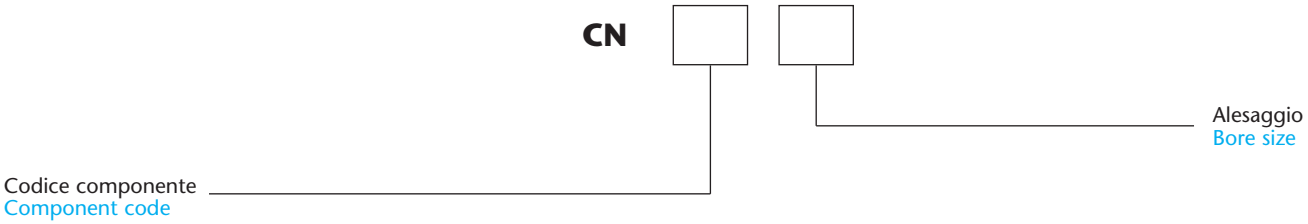
Serie CN
Series CN

Alesaggio
160-200
Bore size
160-200



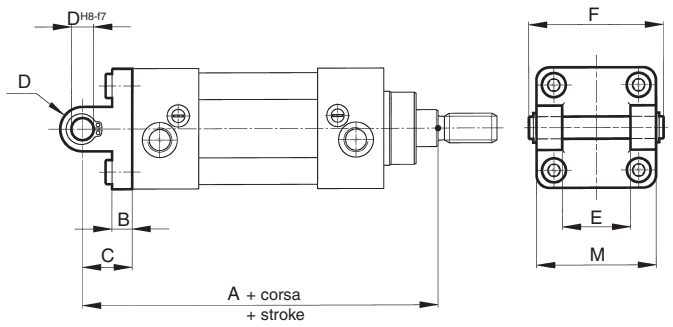
Posizione Position	Quantità Quantity	Codice Code	Descrizione Description
1	1	SG	Guarnizioni Seals
2	1	ST	Stelo Piston rod
3	1	TA	Testa anteriore Front end cap
4	1	TP	Testa posteriore Rear end cap
5	1	CM	Camicia Body
6	2	OG	Ogiva Ogive
7	1	GD	Ghiera o dado Ring nut or screw nut
8	2	DC	Deceleratore completo Decelerator
9	1	PT	Pistone Piston
10	4	TR	Tirante Tie rod
11	4	VT	Vite di collegamento Screw

CODICE PER L'ORDINAZIONE DEI COMPONENTI
ORDERING CODE FOR COMPONENTS



TIPO CA Cerniera anteriore o posteriore in lega leggera temprata e perno in acciaio temprato.

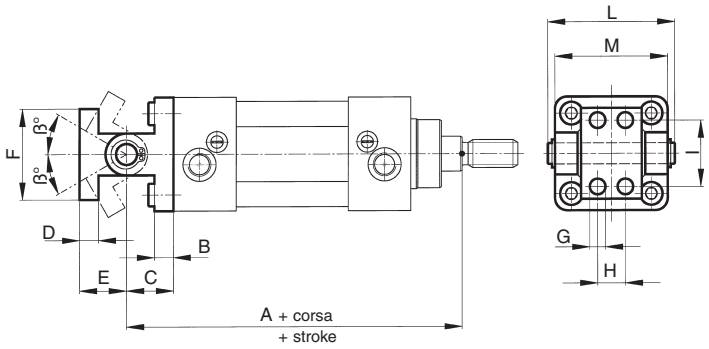
TYPE CA Rear or front pivot in hardened light alloy and hardened steel pin.



Alesaggio Bore size mm	A	B	C	D	E	F	M
32	123	8	18	8	26	52	45
40	168	8	24	12	33	61	52
50	170	10	26	12	33	74	65
63	194	10	30	16	47	85	75
80	196	12	32	16	47	105	95
100	229	12	37	20	57	126	115
125	233	16	41	20	57	150	140
160	285	20	55	25	72	190	180
200	285	20	55	25	72	230	220

TIPO ACN Articolazione normale in lega leggera temprata.

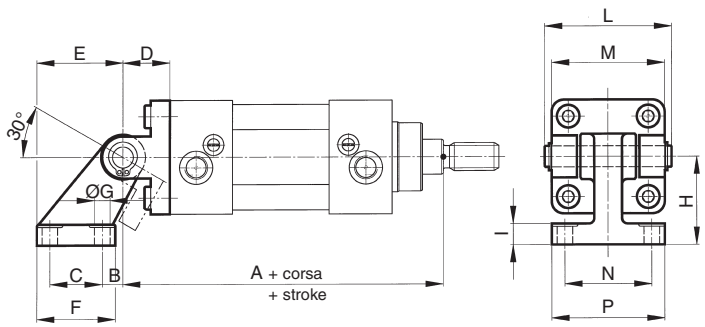
TYPE ACN Normal articulated joint in hardened light alloy.



Alesaggio Bore size mm	A	B	C	D	E	F	G	H	I	L	M
32	123	8	18	8	18	40	7	0	28	52	45
40	168	8	24	10	26	52	9	16	38	61	52
50	170	10	26	10	26	52	9	16	38	74	65
63	194	10	30	12	34	75	11	25	54	85	75
80	196	12	32	12	34	75	11	25	54	105	95
100	229	12	37	16	41	115	14	32	90	126	115
125	233	16	41	16	41	115	14	32	90	150	140
160	285	20	55	20	55	180	18	43	150	190	180
200	285	20	55	20	55	180	18	43	150	230	220

TIPO ACS Articolazione a squadra in lega leggera temprata.

TYPE ACS Right angles articulated joint in hardened light alloy.

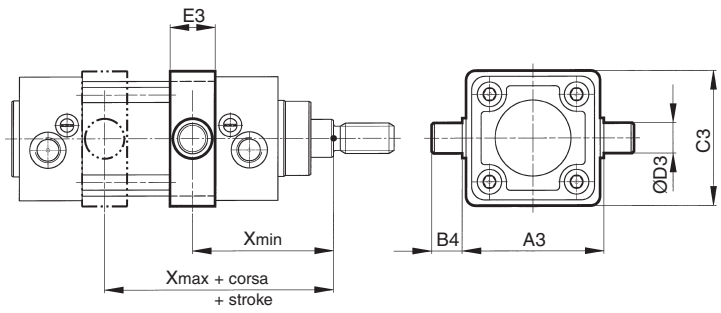


Alesaggio Bore size mm	A	B	C	D	E	F	G	H	I	L	M	N	P
32	123	18	20	18	46,5	37	7	32	8	52	45	25	41
40	168	25	32	24	68	54	9	45	10	61	52	32	52
50	170	25	32	26	68	54	9	45	10	74	65	32	52
63	194	32	50	30	94,5	75	11	63	12	85	74	40	63
80	196	32	50	32	94,5	75	11	63	12	105	95	40	63
100	229	40	70	37	126,5	103	14	90	16	126	115	50	80
125	233	40	70	41	126,5	103	14	90	16	150	140	50	80
160	285	50	110	55	182	154	18	140	20	190	180	63	103
200	285	50	110	55	182	154	18	140	20	230	220	63	103

Tutti i fissaggi sono forniti completi di viti.

Fasteners are supplied complete with screws.

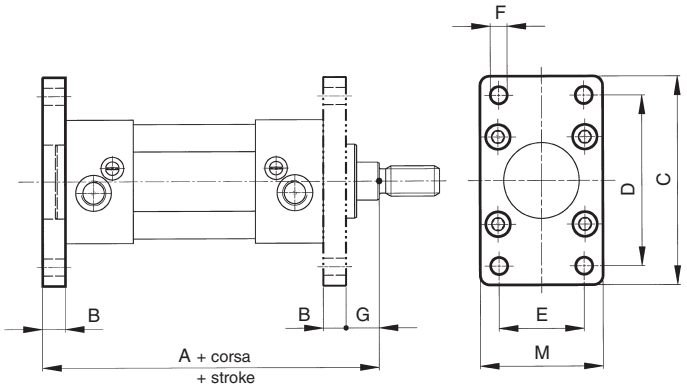
TIPO PV Cerniera intermedia in ghisa sferoidale o acciaio zincato.
TYPE PV Intermediate pivot in spheroidized cast iron or zinc plated steel.



X = dimensione da specificare all'ordine.
X = dimension to be specified on order.

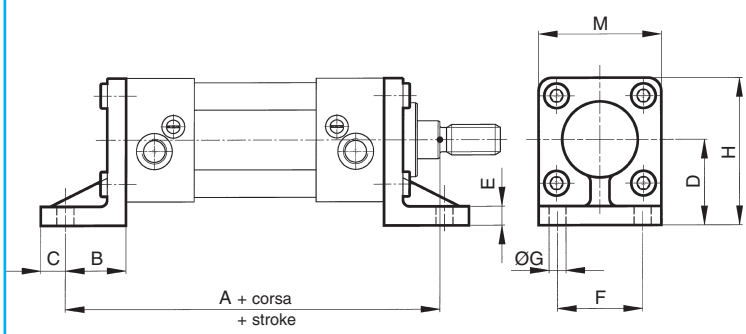
Alesaggio Bore size mm	A3 h 14	B4 h 14	C3	D3 e 9	E3	X min	X max
32	50	12	65	12	25	63,5	66,5
40	63	16	75	16	30	85	93
50	73	16	95	16	30	85	93
63	90	20	105	20	35	96,5	106,5
80	108	20	130	20	40	99	104
100	131	25	145	25	30	107	132
125	159	25	175	25	32	108	131
160	198	32	195	32	40	118	162
200	248	32	250	32	40	118	162

TIPO FL Flangia anteriore o posteriore in lega leggera temprata.
TYPE FL Rear and front flange in hardened light alloy.



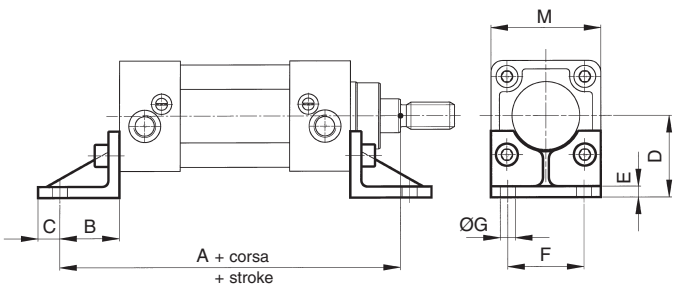
Alesaggio Bore size mm	A	B	C	D	E	F	G	M
32	113	8	80	68	33	9	17	45
40	152	8	90	78	40	9	26	52
50	154	10	110	94	49	11	24	65
63	174	10	120	104	59	11	29	75
80	176	12	150	130	75	14	27	95
100	204	12	170	150	90	14	35	115
125	208	16	205	180	110	18	31	140
160	250	20	260	228	140	22	30	180
200	250	20	300	268	175	22	30	220

TIPO PN Piedino normale in lega leggera temprata.
TYPE PN Normal foot in hardened light alloy



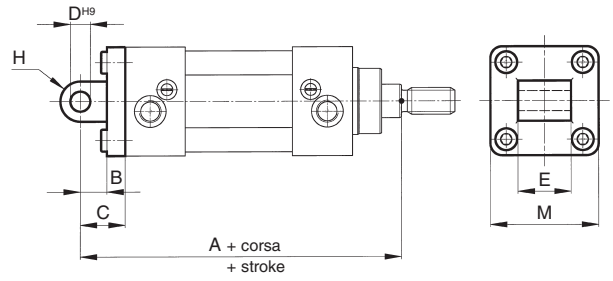
Alesaggio Bore size mm	A	B	C	D	E	F	G	H	M
32	134	27	8	32	8	28	9	54	45
40	171	27	8	36	8	36	9	62	52
50	179	35	10	45	10	45	11	77	65
63	199	35	10	50	10	55	11	87	75
80	207	43	12	63	12	70	14	110	95
100	235	43	12	73	12	90	14	130	115
125	244	52	16	91	16	100	18	161	140
160	292	62	18	115	20	130	22	205	180
200	292	62	18	135	20	170	22	245	220

TIPO PB Piedino basso in lega leggera temprata.
TYPE PB Low foot in hardened light alloy.



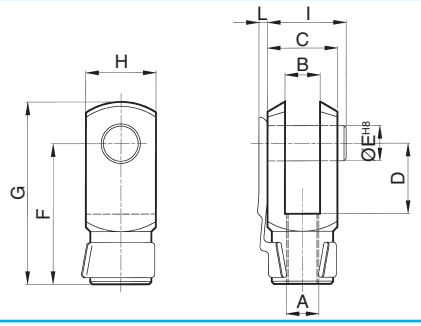
Alesaggio Bore size mm	A	B	C	D	E	F	G	M
32	134	27	8	32	5	28	9	45
40	171	27	8	36	5	36	9	52
50	179	35	10	45	6	45	11	65
63	199	35	10	50	6	55	11	75
80	207	43	17	63	7	70	14	95
100	235	43	17	73	7	90	14	115
125	244	52	18	91	8	100	18	140
160	292	62	18	115	10	130	22	180
200	292	62	18	135	10	170	22	220

TIPO 02 Cerniera maschio posteriore in lega leggera temprata.
TYPE 02 Rear male pivot in hardened light alloy.



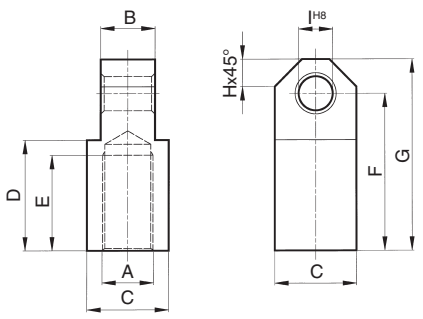
Alesaggio Bore size mm	A	B	C	D	E	H	M
32	125	12	20	10	26	9	45
40	167	15	23	12	28	12	52
50	169	17	25	12	32	12	65
63	194	20	30	16	40	17	75
80	196	20	32	16	50	17	95
100	229	25	37	20	60	21	115
125	238	30	46	25	70	27	140
160	285	35	55	30	90	35	180
200	285	35	55	30	90	35	220

TIPO FFS Forcella femmina per stelo in acciaio zincato.
TYPE FFS Female rod clevis in zinc-plated steel.



Alesaggio Bore size mm	A	B	C	D	E	F	G	H	I	L
32	M 10x1,5	11	22	16	8	36	45	22	25	3
40	M 16x1,5	18	36	25	12	51	64	26	40	4
50	M 16x1,5	18	36	25	12	51	64	26	40	4
63	M 20x1,5	22	45	33	16	63	80	34	49	4
80	M 20x1,5	22	45	33	16	63	80	34	49	4
100	M 27x2	30	63	40	20	85	105	42	69	4
125	M 27x2	30	63	40	20	85	105	42	69	4
160	M 36x2	40	80	40	25	115	140	50	95	–
200	M 36x2	40	80	40	25	115	140	50	95	–

TIPO FMS Forcella maschio per stelo in acciaio zincato.
TYPE FMS Male rod clevis in zinc-plated steel.



Alesaggio Bore size mm	A	B	C	D	E	F	G	H	I
32	M 10x1,5	11	22	25	20	36	45	6	8
40	M 16x1,5	18	32	34	30	51	64	10	12
50	M 16x1,5	18	32	34	30	51	64	10	12
63	M 20x1,5	22	36	41	36	63	80	12	16
80	M 20x1,5	22	36	41	36	63	80	12	16
100	M 27x2	30	45	58	50	85	105	17,5	20
125	M 27x2	30	45	58	50	85	105	17,5	20
160	M 36x2	40	70	81	70	115	140	20	25
200	M 36x2	40	70	81	70	115	140	20	25

La BONESI PNEUMATIK si riserva di modificare valori e quote riportati in questo catalogo senza preavviso.
BONESI PNEUMATIK reserves the right to carry out any modification to values and dimensions without prior notice.