

► MCS - abbreviazione di "MINI CONTROL SYSTEM" definisce una gamma completa di raccordi miniaturizzati per oleodinamica, miniprese di pressione e relativi accessori. MCS offre un sistema semplice ed economico per il controllo delle pressioni nei sistemi idraulici, grazie al quale è possibile eliminare l'impiego di manometri fissi ed esclusori montati permanentemente sul sistema, riducendo così sia i costi iniziali che quelli per la sostituzione dei manometri danneggiati da anomalie del sistema o da agenti esterni.

► E' possibile installare le miniprese MCS in qualsiasi punto del sistema idraulico in cui occorre monitorare la pressione e, in caso di postazioni lontane o difficili da raggiungere, una minipresa MCS passaparte e un miniflessibile MCS consentono di portare la pressione ad un pannello centrale facilitandone il controllo. Il miniflessibile è così piccolo e flessibile da poter essere installato come un normale cavo elettrico.

► Un altro vantaggio di MCS è quello di poter controllare la pressione mentre il sistema idraulico è a pieno regime; i raccordi e il miniflessibile

tollerano una pressione massima di lavoro di 630bar. Grazie al loro design, è possibile unire la minipresa al miniflessibile avvitandoli insieme semplicemente con due dita, senza dover utilizzare strumenti particolari e senza rischio di trafilamenti mentre il sistema idraulico è in funzione; la connessione fa tenuta automaticamente e non si allenta in seguito a vibrazioni o picchi di pressione.

► MCS offre inoltre svariati tipi di terminali in grado di adattarsi alle miniprese di altri costruttori; possono

servire anche per ottenere dei campioni di fluido da diversi punti del sistema idraulico oppure per spurgare il sistema oleodinamico dall'aria.

► Il "MINI CONTROL SYSTEM" è talmente versatile da essere utilizzato al posto dei tubi rigidi per collegamento manometri, pressostati, trasduttori di pressione, linee di pilotaggio ecc. Attutisce i picchi di pressione e grazie all'effetto capillare del miniflessibile impedisce che le vibrazioni raggiungano gli strumenti.

**MCS<sup>®</sup>**  
**Mini Control System**

► MCS - short for mini control system - defines a complete range of miniature fittings, check couplings and accessories. MCS offers a simple, inexpensive means to check pressure in hydraulic systems. Permanently mounted pressure gauges and shut-off valves are no more necessary, thereby reducing initial costs. Replacement costs due to gauges broken by system problems or external damages are also eliminated.

► MCS check couplings can be installed at any point of the hydraulic system where pressure is to be monitored. For remote or hard-to-reach locations, an MCS bulkhead coupling and an MCS micro-bore hose bring pressure to a central panel thus simplifying its control. The micro-bore hose is so small and flexible that it can be installed like electrical wiring.

► Pressure can be checked while hydraulic systems are at full pressure. Micro test fittings and micro-bore hoses can bear a max. working pressure of 630 bar. Thanks to their design, both the connector and the micro hose coupling can be joined under pressure by screwing the coupling with two fingers without any tools and any leakage; the connection is self-sealing and will not loosen under vibration or pressure peaks.

► MCS offers optional hose ends to adapt to many other test couplings from other suppliers. Besides, they can be used for obtaining fluid samples from various points in hydraulic systems or as an air bleed device.

► The "Mini Control System" is versatile enough to be used instead of rigid pipes for pressure gauges, pressure

switches, pressure transducers, pilot lines, etc.

It dampens pressure peaks and prevents vibration from reaching the instruments, thanks to the micro hose's capillary effect.



ISO 9001:2000 Cert. n° 0445/2



### Dati tecnici

Norma di riferimento: ISO 15171-2 08/2000  
Pressione di lavoro: 630 bar max.  
Pressione di scoppio: >2520 bar

#### ► Applicazioni

- Controllo pressione in circuiti idraulici
- Lubrificazione
- Spurgo aria
- Prelievo campioni olio
- Microidraulica

#### ► Fluidi

- Olii idraulici e olii a base minerale
- Compatibilità con altri fluidi a richiesta

#### ► Materiale

- Corpo minipresa e cappuccio in Acciaio Trafil. 9SMnPb28K
- Guarnizione anti vibrazione in BUNA N. (opzionale)
- Acciaio inox AISI 316 - DIN 14436: su richiesta

#### Temperatura di impiego:

##### ► con cappuccio di metallo

- con guarnizione in BUNA N.: -30°C a +120°C
- con guarnizione in VITON: -20°C a +200°C

##### ► con cappuccio in plastica

- -30°C a +100°C

#### ► Trattamento di finitura:

- Esente da Cromo VI

### Technical data

Reference norm: ISO 15171-2 08/2000  
Working pressure: 630 bar max.  
Burst pressure: >2520 bar

#### ► Applications

- Pressure check in hydraulic systems
- Lubrication
- Air bleeding
- Oil samples drawing
- Microhydraulics

#### ► Fluids

- Hydraulic oils and mineral-based oils
- Compatibility with other fluids: on request

#### ► Materials

- Test point's body and cap made of steel 9SMnPb28K
- Anti-vibration sealing made of BUNA N. (optional)
- Stainless steel AISI 316 - DIN 14436: on request

#### Working temperature:

##### ► with steel cap

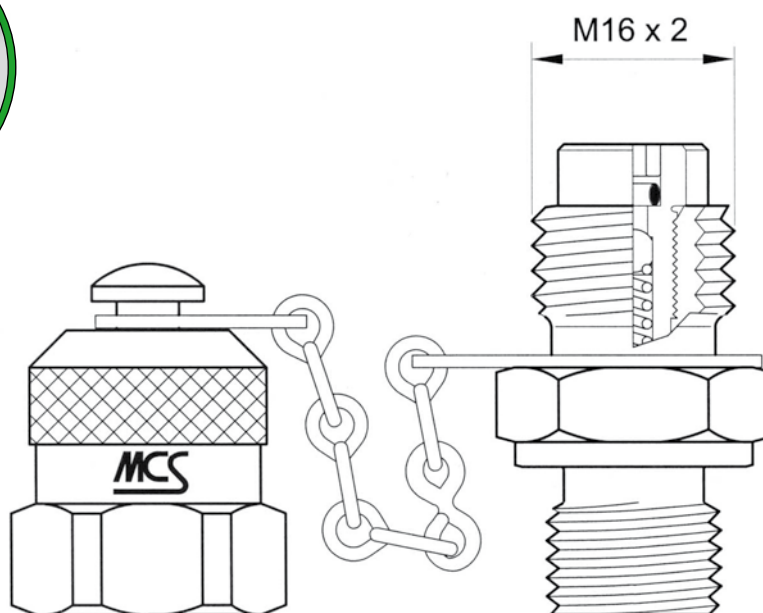
- with sealing in BUNA N.: -30°C a +120°C
- with sealing in VITON: -20°C a +200°C

##### ► with plastic cap

- -30°C a +100°C

#### ► Finish treatment:

- Chrome VI free

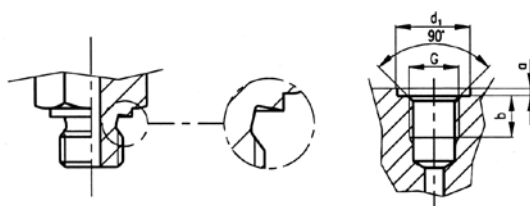


## Tipi di tenuta secondo DIN - ISO - ANSI - BS - JIS

### Sealing types according to DIN - ISO - ANSI - BS - JIS

#### FORM A

- Tenuta con guarnizione metallica
- sealing by metal ring



#### FORM X

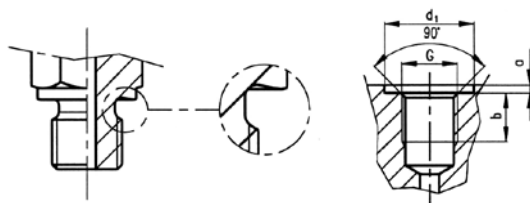
DIN 3852-1/2

G	a	b	d <sub>1</sub>	Nm
M10x1	1	8	20	-
ISO 228 G1/4"	1,5	12	25	-

COPPIA  
TORQUE

#### FORM B

- Tenuta meccanica
- Mechanical sealing



FORM X DIN 3852-2 ISO 1179-1  
ISO 9974-1

G	a	b	d <sub>1</sub>	Nm
M12x1,5	1,5	12	18	40
ISO 228 G1/8"	1	8	15	25
ISO 228 G1/4"	1,5	12	20	60

#### FORM C

- Tenuta sul filetto
- Sealing by thread



#### FORM Z

DIN 3852-1/2

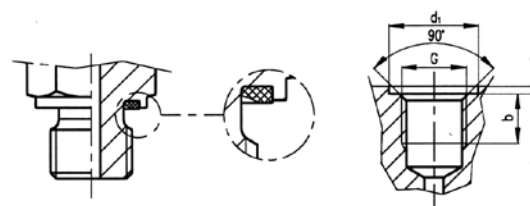
G	b	t
ISO 7/I - R1/8"	5,5	8,5
ISO 7/I - R1/4"	8,5	12,5
ISO 7/I - R3/8"	8,5	12,5
M10x1	5,5	10,0

ANSI/ASME B 1.20.1

G	b	t
1/8" - 27 NPTF	-	11,6
1/4" - 18 NPTF	-	16,4
3/8" - 18 NPTF	-	17,4

#### FORM E

- Tenuta con guarnizione piana
- Sealing by fitted ring

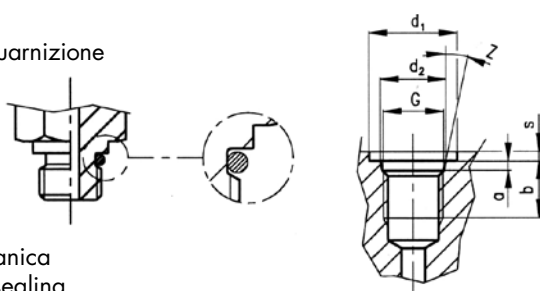


FORM X DIN 3852-2 ISO 1179-1  
ISO 9974-1

G	a	b	d <sub>1</sub>	Nm
M10x1	1	8	15	20
M12x1,5	1,5	12	18	40
M14x1,5	1,5	12	20	55
M16x1,5	1,5	12	23	70
ISO 228 G1/8"	1	8	15	20
ISO 228 G1/4"	1,5	12	20	55
ISO 228 G3/8"	2	12	23	80

#### FORM F

- Tenuta con guarnizione O-ring
- Sealing by O-ring

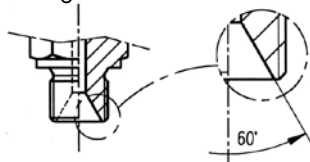


ISO 6149-1

G	a	b	d <sub>1</sub>	d <sub>2</sub>	s	z	Nm
M8x1	1,6	10	14	9,1	1	12°	10
M10x1	1,6	10	16	11,1	1	12°	20
M14x1,5	2,4	11,5	21	15,8	1,5	15°	45

#### BS 5200

- Tenuta meccanica
- mechanical sealing



ISO 11926-1

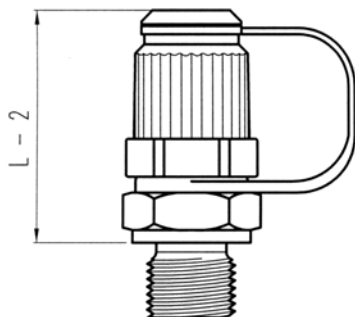
G	a	b	d <sub>1</sub>	d <sub>2</sub>	s	z	Nm
7/16"-20 UNF	2,4	11,5	21	12,4	1,6	12°	20
1/2"-20 UNF	2,4	11,5	23	14	1,6	12°	25
9/16"-18 UNF	2,5	12,7	25	15,7	1,6	12°	35
3/4"-16 UNF	2,5	14,3	30	20,6	2,4	15°	70

JIS 2351

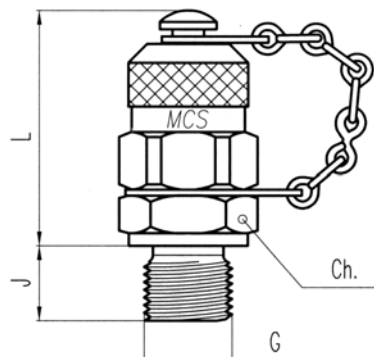
G	a	b	d <sub>1</sub>	d <sub>2</sub>	s	z	Nm
G 1/4"	2,5	12	/	15,6	/	15°	45

## Minipresa di pressione avvitabile - serie 620.01 Threaded check coupling - series 620.01

Minipresa con cappuccio di plastica  
Check-coupling with plastic cap



Minipresa con cappuccio di metallo  
Check-coupling with metal cap



Filettatura	Tipo di tenuta	p max.	Quote Dimensions			Con cappuccio di plastica	Con cappuccio di metallo
Thread G	Sealing type		L mm	Ch. mm	J±0,2 mm	With plastic cap	With metal cap
M10 x 1	FORM A	400 bar	38	17	8	620.01.010.50	620.01.010.51
ISO228 G 1/4"	FORM A	400 bar	38	19	12	620.01.204.50	620.01.204.51
M12 x 1.5	FORM B	400 bar	38	17	12	620.01.012.10	620.01.012.11
ISO228 G 1/8"	FORM B	400 bar	38	17	8	620.01.202.10	620.01.202.11
ISO228 G 1/4"	FORM B	400 bar	38	19	12	620.01.204.10	620.01.204.11
UNI 7707 M10x1	FORM C	400 bar	38	17	8	620.01.010.30	620.01.010.31
ISO 7/1 R 1/8"	FORM C	400 bar	36	17	8	620.01.202.30	620.01.202.31
ISO 7/1 R 1/4"	FORM C	630 bar	36	17	12	620.01.204.30	620.01.204.31
ISO 7/1 R 3/8"	FORM C	630 bar	36	22	12	620.01.206.30	620.01.206.31
1/8"-27 NPTF	FORM C	400 bar	36	17	9.5	620.01.302.30	620.01.302.31
1/4"-18 NPTF	FORM C	630 bar	36	17	14	620.01.304.30	620.01.304.31
3/8"-18 NPTF	FORM C	630 bar	36	22	14.2	620.01.306.30	620.01.306.31
M10 x 1	FORM E	400 bar	38	17	8	620.01.010.20	620.01.010.21
M12 x 1.5	FORM E	630 bar	38	17	12	620.01.012.20	620.01.012.21
M14 x 1.5	FORM E	630 bar	38	19	12	620.01.014.20	620.01.014.21
M16 x 1.5	FORM E	630 bar	38	22	12	620.01.016.20	620.01.016.21
ISO228 G 1/8"	FORM E	400 bar	38	17	8	620.01.202.20	620.01.202.21
ISO228 G 1/4"	FORM E	630 bar	38	19	12	620.01.204.20	620.01.204.21
ISO228 G 3/8"	FORM E	630 bar	38	22	12	620.01.206.20	620.01.206.21
M8 x 1	FORM F	250 bar	38	17	8.5	620.01.008.00	620.01.008.01
M10 x 1	FORM F	630 bar	38	17	9.5	620.01.010.00	620.01.010.01
M14 x 1.5	FORM F	630 bar	38	19	12	620.01.014.00	620.01.014.01
7/16"-20 UNF	FORM F	630 bar	38	17	11	620.01.404.00	620.01.404.01
* 1/2"-20 UNF	FORM F	630 bar	38	17	11	620.01.405.00	620.01.405.01
9/16"-18 UNF	FORM F	630 bar	38	19	12	620.01.406.00	620.01.406.01
3/4"-16 UNF	FORM F	630 bar	38	22	14	620.01.408.00	620.01.408.01
JIS 2531 G 1/4"	FORM F	630 bar	38	19	12	620.01.204.00	620.01.204.01
ISO228 G 1/4"	BS 5200	630 bar	38	19	12	620.01.204.80	620.01.204.81

\*Solo su richiesta \*Only on request

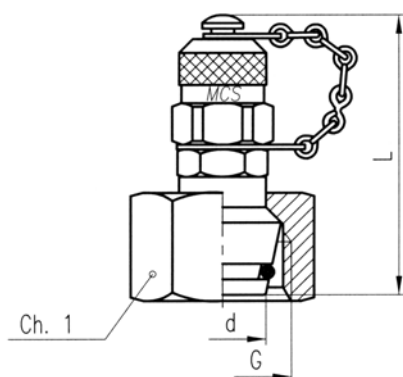


## Minipresa di pressione con codolo 24° - serie 620.02

### Check-coupling with 24° sealing cone - series 620.02

Secondo DIN 3865

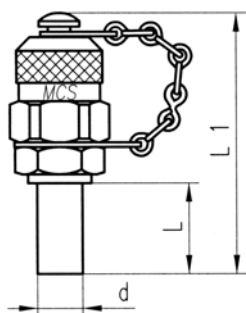
According to DIN 3865



Serie Series	Filettatura Thread	p max.	Quote Dimensions		Con cappuccio di plastica	Con cappuccio di metallo
d mm	G		L mm	Ch.1 mm	With plastic cap	With metal cap
L 6	M 12 x 1,5	315 bar	52,5	14	620.02.006.60	620.02.006.61
L 8	M 14 x 1,5	315 bar	52,5	17	620.02.008.60	620.02.008.61
L 10	M 16 x 1,5	315 bar	55,5	19	620.02.010.60	620.02.010.61
L 12	M 18 x 1,5	315 bar	55,5	22	620.02.012.60	620.02.012.61
L 15	M 22 x 1,5	315 bar	60	27	620.02.015.60	620.02.015.61
L 18	M 26 x 1,5	315 bar	61	32	620.02.018.60	620.02.018.61
L 22	M 30 x 2	160 bar	59,5	36	620.02.022.60	620.02.022.61
L 28	M 36 x 2	160 bar	66	41	620.02.028.60	620.02.028.61
L 35	M 45 x 2	160 bar	71,5	50	620.02.035.60	620.02.035.61
L 42	M 52 x 2	160 bar	74,5	60	620.02.042.60	620.02.042.61
S 6	M 14 x 1,5	630 bar	52,5	17	620.02.106.60	620.02.106.61
S 8	M 16 x 1,5	630 bar	54,5	19	620.02.108.60	620.02.108.61
S 10	M 18 x 1,5	630 bar	55,5	22	620.02.110.60	620.02.110.61
S 12	M 20 x 1,5	630 bar	55,5	24	620.02.112.60	620.02.112.61
S 14	M 22 x 1,5	630 bar	58,5	27	620.02.114.60	620.02.114.61
S 16	M 24 x 1,5	400 bar	61,5	30	620.02.116.60	620.02.116.61
S 20	M 30 x 2	400 bar	60,5	36	620.02.120.60	620.02.120.61
S 25	M 36 x 2	400 bar	65,5	46	620.02.125.60	620.02.125.61
S 30	M 42 x 2	400 bar	67,5	50	620.02.130.60	620.02.130.61
S 38	M 52 x 2	315 bar	69,5	60	620.02.138.60	620.02.138.61

## Minipresa di pressione con codolo liscio - serie 620.03

### Check-coupling with stand pipe - series 620.03

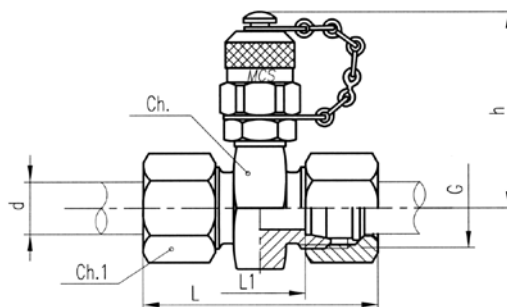


Serie Series	p max.	Quote Dimensions		Con cappuccio di plastica	Con cappuccio di metallo
d mm		L mm	L1 mm	With plastic cap	With metal cap
6	630 bar	20	57	620.03.006.50	620.03.006.51
8	630 bar	20	57	620.03.008.50	620.03.008.51
10	630 bar	20	57	620.03.010.50	620.03.010.51
12	630 bar	26	60	620.03.012.50	620.03.012.51

## Minipresa di pressione con giunzione diretta - serie 620.04

### Check-coupling with straight tube connection - series 620.04

Secondo DIN 2353/ISO 8434-1  
According to DIN 2353/ISO 8434-1

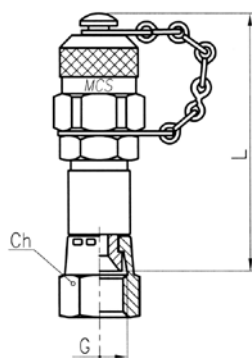


Serie Series	Filettatura Thread	p max.	Quote Dimensions					Con cappuccio di plastica	Con cappuccio di metallo
d mm	G		L mm	L1 mm	Ch. mm	Ch.1 mm	h mm	With plastic cap	With metal cap
L 6	M 12 x 1,5	315 bar	54	20	19	14	45,5	620.04.006.50	620.04.006.51
L 8	M 14 x 1,5	315 bar	54	20	24	17	49	620.04.008.50	620.04.008.51
L 10	M 16 x 1,5	315 bar	59	22	22	19	48	620.04.010.50	620.04.010.51
L 12	M 18 x 1,5	315 bar	59	22	24	22	49	620.04.012.50	620.04.012.51
L 15	M 22 x 1,5	315 bar	64	25	27	27	50,5	620.04.015.50	620.04.015.51
L 18	M 26 x 1,5	315 bar	64	25	30	32	62	620.04.018.50	620.04.018.51
L 22	M 30 x 2	160 bar	71	25	32	36	53	620.04.022.50	620.04.022.51
L 28	M 36 x 2	160 bar	69	26	41	41	57,5	620.04.028.50	620.04.028.51
L 35	M 45 x 2	160 bar	80	25	50	50	60	620.04.035.50	620.04.035.51
L 42	M 52 x 2	160 bar	80	27	60	60	64,5	620.04.042.50	620.04.042.51
S 6	M 14 x 1,5	630 bar	58	24	19	17	46,5	620.04.106.50	620.04.106.51
S 8	M 16 x 1,5	630 bar	59	24	22	19	48	620.04.108.50	620.04.108.51
S 10	M 18 x 1,5	630 bar	63	24	22	22	48	620.04.110.50	620.04.110.51
S 12	M 20 x 1,5	630 bar	63	24	22	24	48	620.04.112.50	620.04.112.51
S 14	M 22 x 1,5	630 bar	71	24	24	27	49	620.04.114.50	620.04.114.51
S 16	M 24 x 1,5	400 bar	71	25,5	27	30	50,5	620.04.116.50	620.04.116.51
S 20	M 30 x 2	400 bar	78	25,5	36	36	55	620.04.120.50	620.04.120.51
S 25	M 36 x 2	400 bar	82	25,5	41	46	57,5	620.04.125.50	620.04.125.51
S 30	M 42 x 2	400 bar	91	27	46	50	60	620.04.130.50	620.04.130.51
S 38	M 52 x 2	315 bar	100	29	55	60	64,5	620.04.138.50	620.04.138.51

## Minipresa di pressione femmina girevole sede JIC 37° - serie 620.05

### Check-coupling female swivel JIC 37° - series 620.05

Secondo ISO 8434-2/SAE J514  
According to ISO 8434-2/SAE J514



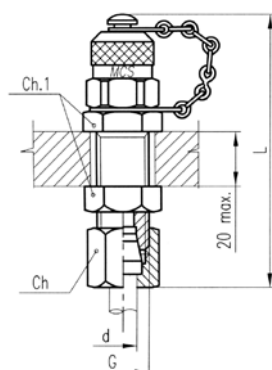
Filettatura Thread	p max.	Quote Dimensions		Con cappuccio di plastica	Con cappuccio di metallo
G		L mm	Ch. mm	With plastic cap	With metal cap
7/16"-20 UNF	450 bar	60	14	620.05.404.00	620.05.404.01
1/2"-20 UNF	420 bar	61	17	620.05.405.00	620.05.405.01
9/16"-18 UNF	350 bar	61	19	620.05.406.00	620.05.406.01
3/4"-16 UNF	350 bar	54	22	620.05.408.00	620.05.408.01

## Minipresa di pressione passaparete - serie 620.06

### Bulkhead connection with check-coupling - series 620.06

Secondo DIN 3861/ISO 8434-1

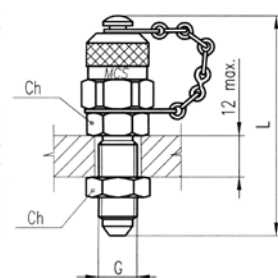
According to DIN 3861/ISO 8434-1



Filettatura p max.			Quote			Con cappuccio di plastica	Con cappuccio di metallo
Thread			Dimensions			With plastic cap	With metal cap
d	G	Bar	Ch. mm	Ch.1 mm	L mm		
8	M 16 x 1,5	630 bar	19	22	82	620.06.108.50	620.06.108.51
10	M 18 x 1,5	630 bar	22	24	84	620.06.110.50	620.06.110.51

Secondo SAE J514/ISO 8434-2

According to SAE J514/ISO 8434-2



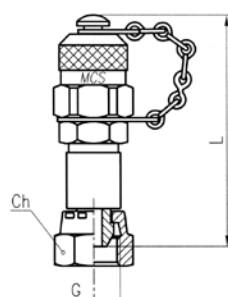
Filettatura	p max.	Quote	Con cappuccio di plastica		Con cappuccio di metallo	
Thread		Dimensions	With plastic cap		With metal cap	
G		Ch. mm	L mm			
7/16"-20 JIC37°	450 bar	17	68	620.06.404.00	620.06.404.01	

## Minipresa di pressione femmina girevole - serie 620.07

### Check-coupling female swivel - series 620.07

Secondo BS 5200

According to BS 5200

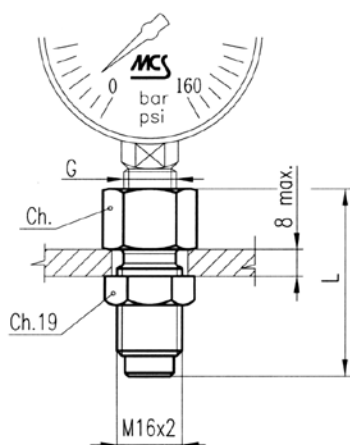


Filettatura	p max.	Quote	Con cappuccio di plastica		Con cappuccio di metallo	
Thread		Dimensions	With plastic cap		With metal cap	
G		L mm	Ch. mm			
ISO 228 G1/4"	630 bar	62	19	620.07.204.80	620.07.204.81	



## Portamanometro passaparete - serie 620.08

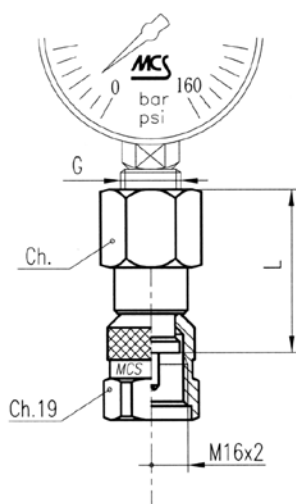
### Bulkhead pressure gauge connection - series 620.08



Filettatura Thread	p max.	Quote Dimensions			Passaggio libero	Con smorzatore
G		Ch. mm	L mm		Free flow	With pressure damper
*ISO228-G 1/4"	630 bar	19	50		620.08.204.00	620.08.204.00.1
*ISO228-G 1/2"	630 bar	27	58		620.08.208.00	620.08.208.00.1
1/4" NPTF	630 bar	19	50		620.08.304.00	620.08.304.00.1
1/2" NPTF	630 bar	27	58		620.08.308.00	620.08.308.00.1

## Portamanometro presa diretta - serie 620.09

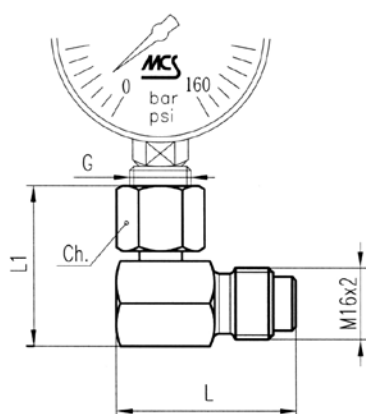
### Pressure gauge adapter - series 620.09



Filettatura Thread	p max.	Quote Dimens.		Passaggio libero	Con smorzatore
G		Ch. mm	L mm	Free flow	With pressure damper
*ISO228-G 1/4"	630 bar	19	34	620.09.204.00	620.09.204.00.1
*ISO228-G 1/2"	630 bar	27	39	620.09.208.00	620.09.208.00.1
1/4" NPTF	630 bar	19	34	620.09.304.00	620.09.304.00.1

## Portamanometro orientabile a gomito - serie 620.10

### 90° pressure gauge swivel connection - series 620.10

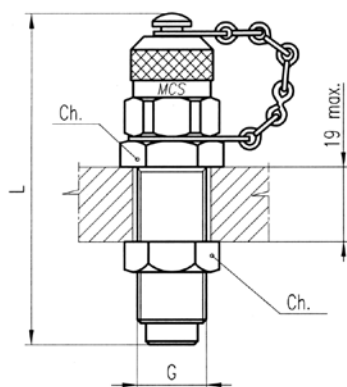


Filettatura Thread	p max.	Quote Dimensions			Passaggio libero	Con smorzatore
G		Ch. mm	L mm	L1 mm	Free flow	With pressure damper
*ISO228-G 1/4"	630 bar	17	40	40	620.10.204.00	620.10.204.00.1
*ISO228-G 1/2"	630 bar	27	40	42,7	620.10.208.00	620.10.208.00.1

- \* Attacco manometro secondo EN 837-1
- \* Gauge connection acc. EN 837-1

## Minipresa passaparete - serie 620.11

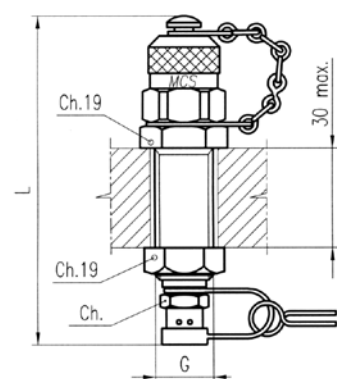
### Bulkhead check-coupling - series 620.11



Filettatura Thread	p max.	Quote Dimensions		Con cappuccio di plastica	Con cappuccio di metallo
G		Ch. mm	L mm	With plastic cap	With metal cap
M 16 x 2	630 bar	19	81	620.11.000.70	620.11.000.71

## Minipresa passaparete (attacco a baionetta) - serie 620.12

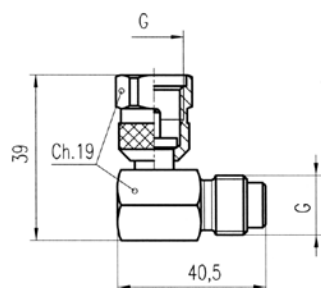
### Bulkhead check-coupling (plug-in connection) - series 620.12



Filettatura Thread	p max.	Quote Dimensions		Con cappuccio di plastica	Con cappuccio di metallo
G		Ch. mm	L mm	With plastic cap	With metal cap
M 16 x 2	400 bar	12	87	620.12.000.70	620.12.000.71

## Giunzione a gomito - serie 620.13

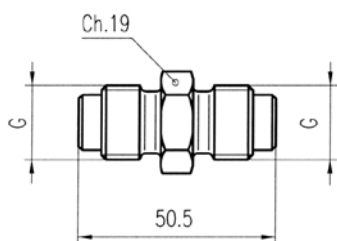
### 90° elbow connection - series 620.13



Filettatura Thread	p max.	Part. No.
G		
M 16 x 2	630 bar	620.13.000.00

## Giunzione passaggio libero - serie 620.14

### Junction with free flow - series 620.14



#### Filettatura Thread

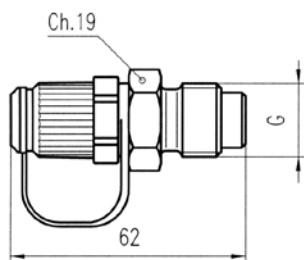
#### p max.

#### Part. No.

G		
M 16 x 2	630 bar	620.14.162.00

## Giunzione con valvola di non ritorno - serie 620.15

### Junction with no-return valve - series 620.15



#### Filettatura Thread

#### p max.

#### Part. No.

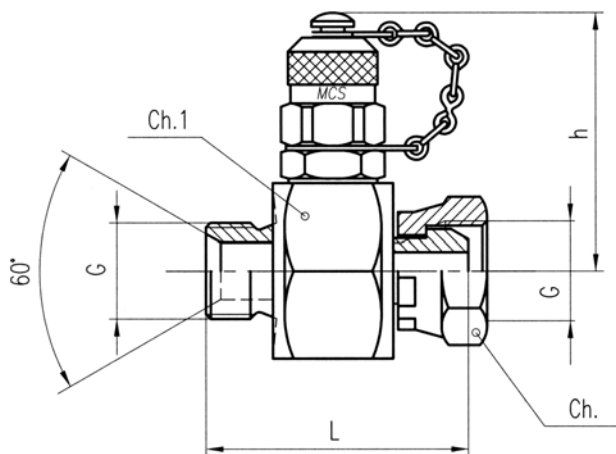
G		
M 16 x 2	630 bar	620.15.162.00

## Minipresa di pressione con giunzione dritta 60° - serie 620.16

### Check coupling male - female swivel 60° - series 620.16

Secondo BS 5200

According to BS 5200



#### Filettatura Thread

#### p max.

#### Quote Dimensions

#### Con cappuccio di plastica

#### Con cappuccio di metallo

G		L mm	Ch. mm	Ch.1 mm	h mm	With plastic cap	With metal cap
ISO 228 G1/4"	400 bar	53	19 18	32 27	55 51,5	620.16.204.80	620.16.204.81
ISO 228 G3/8"	400 bar	60	22 24	32 27	55 51,5	620.16.206.80	620.16.206.81
ISO 228 G1/2"	400 bar	60	27	32 27	55 51,5	620.16.208.80	620.16.208.81
ISO 228 G 3/4"	400 bar	68	32	32 32	55 54	620.16.212.80	620.16.212.81
ISO 228 G 1"	345 bar	74	41	41 41	59,5	620.16.216.80	620.16.216.81

## Minipresa di pressione inox - serie 625.xx

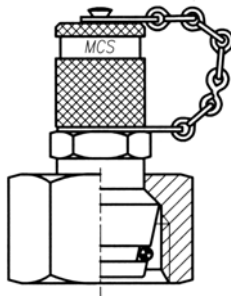
### Stainless steel check coupling - series 625.xx

INOX AISI 316 - DIN 1.4436

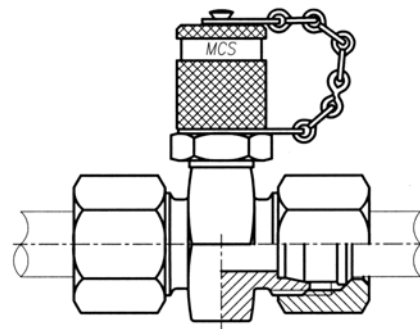
Stainless steel AISI 316 - DIN 1.4436



Modello Model  
625.01.XXX.XX



Modello Model  
625.02.XXX.XX



Modello Model  
625.04.XXX.XX

Per completare il codice vedere serie "620"

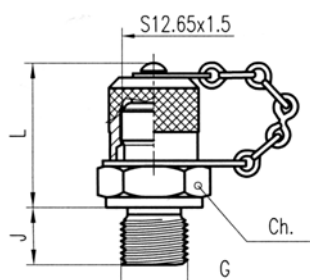
See series "620" to complete code

Per tenuta a pistoncino utilizzare "626"

Use code "626" for poppet valve

## Minipresa di pressione S12.65x1.5 - serie 612.01

### Check coupling S12.65x1.5 - series 612.01



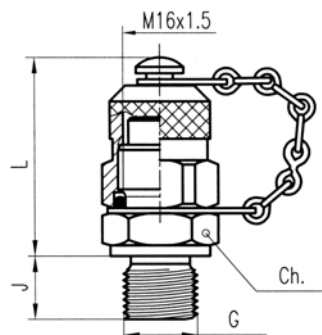
Filettatura Thread	Tipo di tenuta p max. Sealing type	Quote Dimensions	Codice Part. No.		
G		L Ch. J±0.2 mm mm mm			
M 8 x 1	Form F	250 bar 30 14 8.5	612.01.008.01*		
M 10 x 1	Form F	630 bar 30 14 8.5	612.01.010.01*		
ISO 228 G 1/4"	Form E	630 bar 29 19 10	612.01.204.21*		

\* Per Cappuccio in Plastica sostituire l'ultima cifra con "0"

\* For Plastic Cap replace last number with "0"

## Minipresa di pressione M16x1.5 - serie 615.01

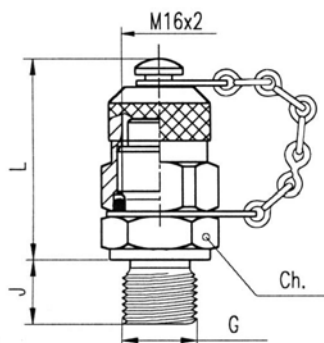
### Check coupling M16x1.5 - series 615.01



Filettatura Thread	Tipo di tenuta p max. Sealing type	Quote Dimensions	Codice Part. No.		
G		L Ch. J±0.2 mm mm mm			
ISO 228 G 1/4"	Form E	630 bar 38 19 10	615.01.204.21		

## Minipresa di pressione M16x2 - Tenuta pistoncino - serie 621.01

### Check coupling M16x12 - Poppet valve - series 621.01



Filettatura Thread	Tipo di tenuta p max. Sealing type	Quote Dimensions	Codice Part. No.
G		L Ch. J±0.2 mm mm mm	
ISO 228 G 1/4"	Form E	630 bar 49 19 10	621.01.204.23

\* Altri codici a richiesta  
\* Other items on request

## Opzioni Options

### ► Tipo VITON

EPDM

Senza cappuccio

Con O'ring antivibrante

- Minipresa con guarnizioni in VITON aggiungere: **.V**
- Minipresa con guarnizioni in EPDM aggiungere: **.EA**
- Minipresa senza cappuccio sostituire l'ultima cifra con **2**
- Minipresa con cappuccio di metallo ed O'ring antivibrante sostituire l'ultima cifra con **3**

### ► Esempio

620.01.204.21.V

620.01.204.21.EA

620.01.204.22

620.01.204.23

### ► Type VITON

EPDM

Without cap

With antivibration  
O'ring

- For test point with VITON sealings add: **.V**
- For test point with EPDM sealings add: **.EA**
- For test point without cap replace the last number with **2**
- For test point with metal cap and antivibration O'ring replace the last number with **3**

### ► Example

620.01.204.21.V

620.01.204.21.EA

620.01.204.22

620.01.204.23

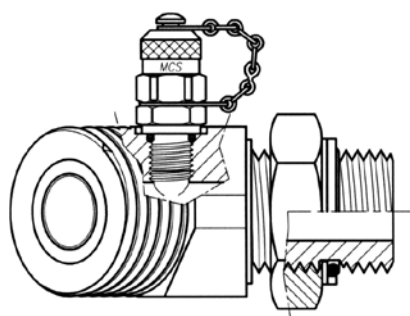
## Esecuzioni speciali a richiesta Special executions on request

► MCS offre un'ampia gamma di adattatori con minipresa su specifica del cliente.  
Esempi:

► MCS offer a wide range of adaptors with check-coupling according to the customer's specifications.  
Examples:

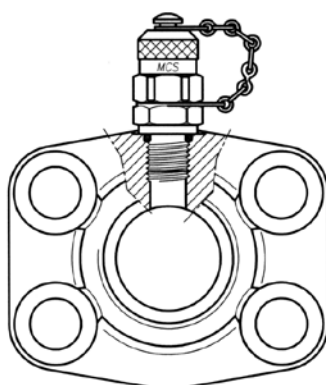
Terminale orientabile a gomito 45° ORFS

45° adjustable elbow connection ORFS



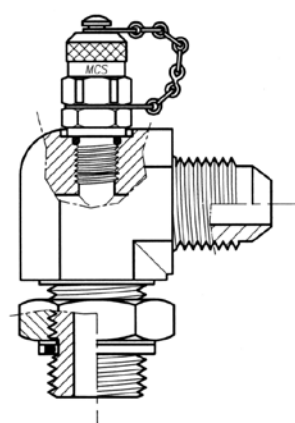
Flangia SAE

SAE Flange



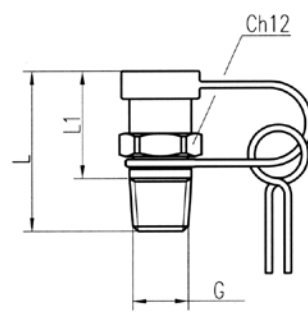
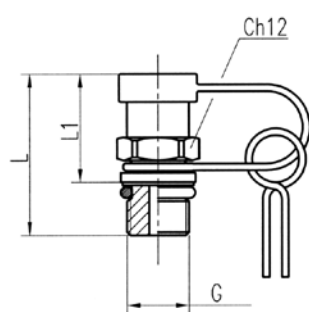
Terminale orientabile a gomito Jic 37°

90° adjustable elbow connection Jic 37°



## Minipresa di pressione a baionetta - serie 400.01

### Plug-in check-coupling - series 400.01



Filettatura Thread	Tipo di tenuta Sealing type	p max.	Quote Dimensions		Codice Part. No.	Passaggio libero Without valve
G			L mm	L1 mm		
M 8 x 1	Form F	250 bar	28.5	19.5	400.01.008.00	400.01.008.01
M 10 x 1	Form F	400 bar	28.5	19.5	400.01.010.00	400.01.010.01
G 1/8"	Form C	400 bar	28.5	19.5	400.01.202.00	400.01.202.01
1/8"-27 NPTF	Form C	400 bar	30.5	19.5	400.01.302.00	400.01.302.01

## Esecuzioni a richiesta

### Execution on request

#### Minipresa a baionetta con codolo liscio

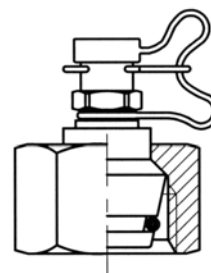
Plug-in check coupling with stand pipe



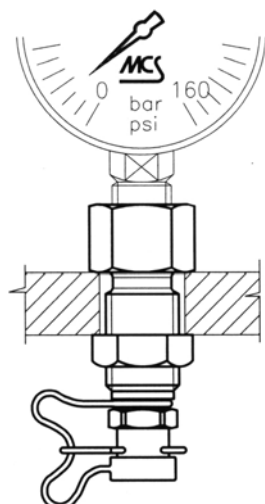
#### Minipresa a baionetta con codolo 24°

Plug-in check coupling with 24° sealing cone

DIN 3865



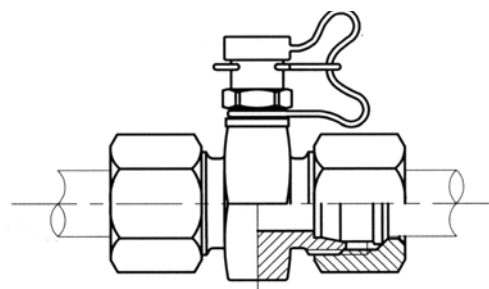
#### Portamanometri Pressure gauge connection



#### Minipresa a baionetta con giunzione diritta

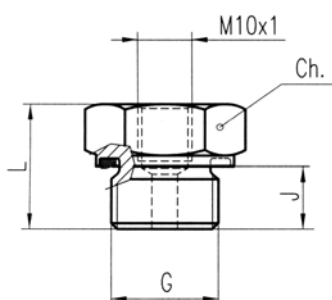
Plug-in check coupling with straight tube connection

DIN 2353/ISO 8434-1





**Riduzioni**  
Reducers



**Filettatura**

**Thread**

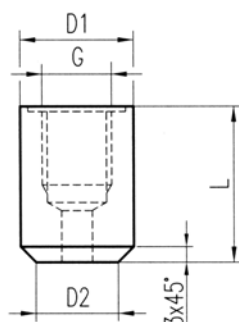
**Tipi di tenuta**  
**Sealing type**

**p max.**

**Quote**

<b>G</b>			<b>Dimensions</b>			<b>Part. No.</b>
			<b>Ch. mm</b>	<b>L mm</b>	<b>J mm</b>	
ISO228-G 1/4"	FORM E	630 bar	19	25	12	630.01.204.20
ISO228-G 3/8"	FORM E	630 bar	22	25,5	15	630.01.206.20
ISO228-G 1/2"	FORM E	400 bar	27	25	14	630.01.208.20
ISO228-G 3/4"	FORM E	400 bar	32	27	16	630.01.212.20
ISO228-G 1"	FORM E	400 bar	41	29	18	630.01.216.20

**Tronchetto a saldare**  
Weld bosses



**Filettatura**

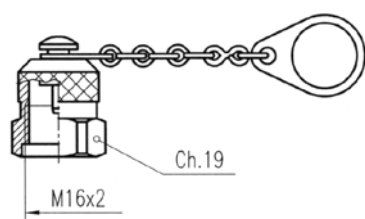
**Thread**

**Quote**

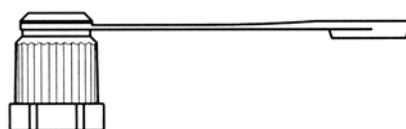
**Dimensions**

<b>G</b>	<b>D1 mm</b>	<b>D2 mm</b>	<b>L mm</b>	<b>J mm</b>	<b>Part. No.</b>
ISO228-G 1/4"	20	10	28	7	630.02.204.00
M 8 x 1	22	10	26	8	630.02.008.00

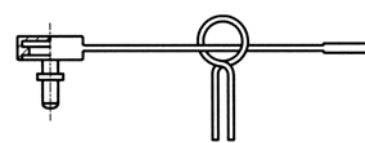
**Cappuccio in acciaio**  
Steel dust cap  
Part. No. 630.03.162.03



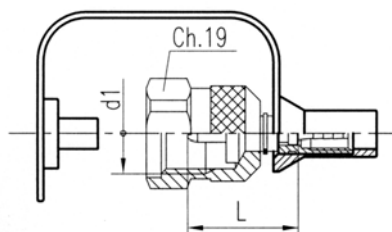
**Cappuccio in plastica**  
Plastic dust cap  
Part. No. 630.03.620.00



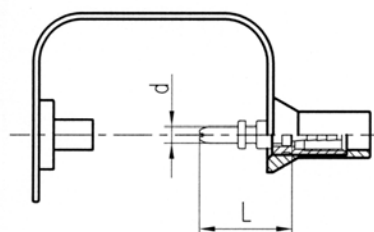
**Cappuccio parapolvere per minipresa a baionetta**  
Dust cap  
Part. No. 630.03.400.00



**Cappuccio parapolvere per raccordo avvitabile M16x2**  
Dust cap  
Part. No. 800.02.000.02



**Cappuccio parapolvere per innesto baionetta**  
Dust cap  
Part. No. 800.02.000.01





**DN2 & DN4**

► **Caratteristiche Tecniche**

► **Technical Data**

	<b>Tubo Hose</b>		
	<b>6400</b>	<b>6500</b>	<b>6700</b>
diametro interno inside diameter	2 mm ±0.1	4 mm ±0.2	4 mm ±0.2
diametro esterno outside diameter	5 mm ±0.1	8 mm ±0.2	8 mm ±0.2
raggio minimo di curvatura minimum bend radius	20 mm	40 mm	40 mm
pressione max. di esercizio max. working pressure	630 bar	320 bar	500 bar
pressione di prova test pressure	950 bar	480 bar	750 bar
pressione min. di scoppio min. burst pressure	1900 bar	960 bar	1500 bar
temperatura di esercizio working temperature	-40°C + 100°C		
Temperatura/pressione di lavoro temperature/working pressure	-20°C +50°C : 100% ; >80°C : 86% >100°C : 77%		
anima interna tube	poliammide polyamide		
treccia di rinforzo braid	kevlar	fibra sintetica synthetic fibre	kevlar
copertura cover	poliammide polyamide		
peso al metro weight per meter	18 g	47 g	47 g

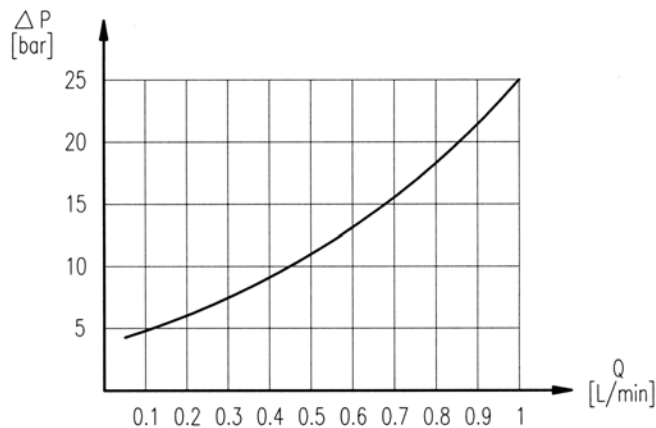
► **Perdita di carico**

**Tubo Hose 6400**

in un tubo lungo un metro con  
olio minerale con viscosità =  
35 mm/sec.<sup>2</sup>

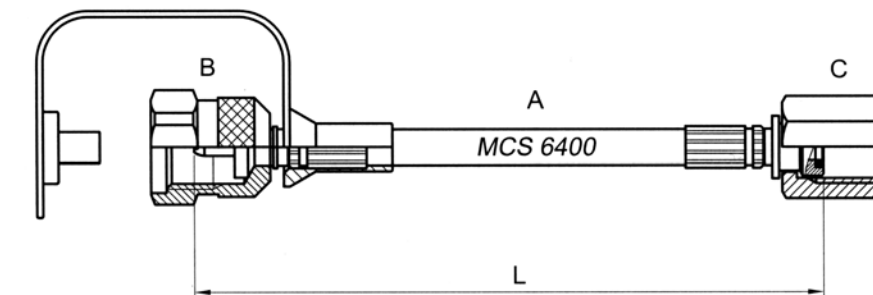
in a 1-meter-long hose with  
mineral oil with viscosity =  
35 mm/sec.<sup>2</sup>

► **Pressure drop**



► **Esempio per l'ordinazione**

► **Order example**



6400 - 10.162 - 50.204 - 2000 (mm)

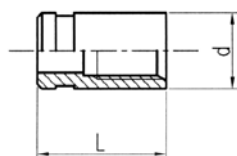
A B C L  
6400 - 110.162 - 150.204 - 2000 (mm)

I — Acciaio inossidabile  
Stainless steel

## Raccorderia per tubi flessibili MCS

### Fittings for MCS micro-hose

#### Ghiera Ferrule



#### tubo tipo hose type

##### 6400

Part. No.	L	d
800.00.002.00	14	8
810.00.002.00*	14	8

\* = inox

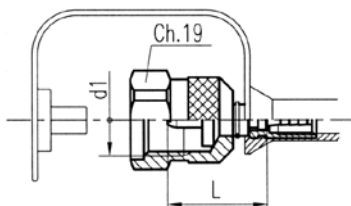
\* = stainless steel

##### 6500 - 6700

Part. No.	L	d
800.00.004.00	17	11,5
/	/	/

#### Raccordo avvitabile

##### Nut connection



#### tubo tipo hose type

##### 6400

Part. No.	L	d1	p max.
801.10.161.00	22	M16x1,5	630 bar
801.10.162.00	22	M16x2	630 bar
810.10.162.00*	22	M16x2	630 bar

801.15.162.00 Raccordo avvitabile a 90° 90° nut connection

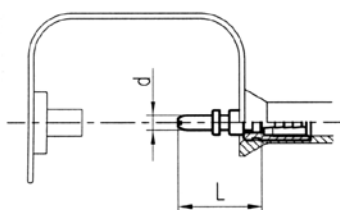
\* = inox / = stainless steel

##### 6500 - 6700

Part. No.	L	d1	p max.
/	/	/	/
804.10.162.00	22	M16x2	500 bar
/	/	/	/

#### Innesto a baionetta

##### Plug-in connection



#### tubo tipo hose type

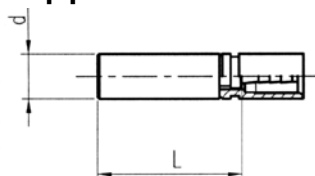
##### 6400

Part. No.	L	d	p max.
801.20.000.00	19	3,3	400 bar

#### Raccordo a codolo

##### DIN 2353 / ISO 8434-1

##### Standpipe



#### tubo tipo hose type

##### 6400

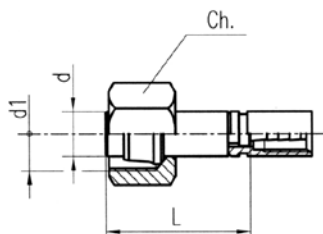
Part. No.	L	d
801.30.004.00	26	4
801.30.006.00	25	6
801.30.008.00	25	8

##### 6500 - 6700

Part. No.	L	d
804.30.004.00	29	4
804.30.006.00	29	6
804.30.008.00	29	8

#### Raccordo a codolo con dado

##### Standpipe with nut



#### tubo tipo hose type

##### 6400

Part. No.	L	d	p max.
801.31.006.00	26	6	315 bar
801.32.006.00	26	6	630 bar
801.31.008.00	26	8	315 bar
801.32.008.00	26	8	630 bar

##### 6400 - 6500

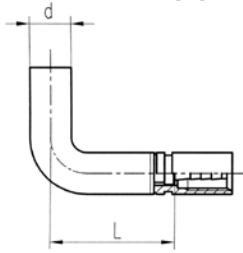
##### 6700

Ch.	d1
14	M12x1,5
17	M14x1,5
17	M14x1,5
19	M16x1,5

##### 6500 - 6700

Part. no	L	d	p max.
804.31.006.00	29	6	315 bar
804.32.006.00	29	6	500 bar
804.31.008.00	29	8	315 bar
804.32.008.00	29	8	500 bar

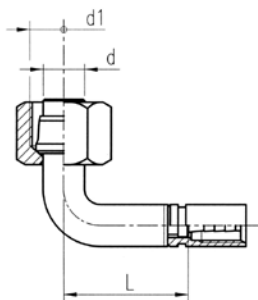
**Raccordo a codolo a 90°**  
**90° elbow standpipe**



**tubo tipo**      **hose type**

<b>6400</b>			<b>6500 - 6700</b>		
<b>Part. No.</b>	<b>L</b>	<b>d</b>	<b>Part. No.</b>	<b>L</b>	<b>d</b>
801. <b>35.004.00</b>	23	4	804. <b>35.004.00</b>	29	4
801. <b>35.006.00</b>	22	6	804. <b>35.006.00</b>	31	6
801. <b>35.008.00</b>	31	8	804. <b>35.008.00</b>	31	8

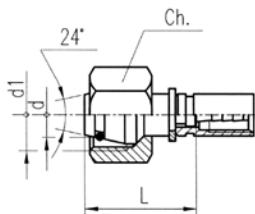
**Raccordo a codolo 90° con dado** Secondo DIN 2353  
**90° elbow standpipe with nut** According to DIN 2353



**tubo tipo**      **hose type**      **6400 -**

<b>6400</b>			<b>6500 - 6700</b>		<b>6500 - 6700</b>	
<b>Part. No.</b>	<b>L</b>	<b>d</b>	<b>p max.</b>	<b>Ch. d1</b>	<b>Part. no</b>	<b>p max.</b>
801. <b>36.006.00</b>	28	6	315 bar	14 M12x1,5	804. <b>36.006.00</b>	315 bar
801. <b>37.006.00</b>	28	6	630 bar	17 M14x1,5	804. <b>37.006.00</b>	500 bar
801. <b>36.008.00</b>	30	8	315 bar	17 M14x1,5	804. <b>36.008.00</b>	315 bar
801. <b>37.008.00</b>	30	8	630 bar	19 M16x1,5	804. <b>37.008.00</b>	500 bar

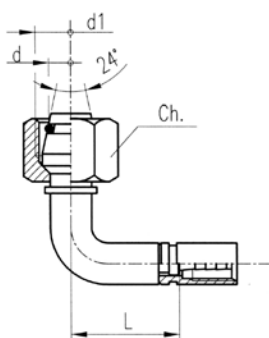
**Raccordo femmina metrica**  
**- cono 24° con O'Ring** -  
**ISO 12151-2**  
**O'Ring metric female 24°**  
**cone - ISO 12151-2**



**tubo tipo**      **hose type**      **6400 -**

<b>6400</b>			<b>6500 - 6700</b>		<b>6500 - 6700</b>	
<b>Part. No.</b>	<b>L</b>	<b>d</b>	<b>p max.</b>	<b>Ch. d1</b>	<b>Part. no</b>	<b>p max.</b>
801. <b>40.006.01</b>	17	6	100 bar	12 M10x1		
801. <b>40.006.00</b>	21	6	315 bar	14 M12x1,5	804. <b>40.006.00</b>	315 bar
801. <b>41.006.00</b>	21	6	630 bar	17 M14x1,5	804. <b>41.006.00</b>	500 bar
801. <b>40.008.00</b>	21	8	315 bar	17 M14x1,5	804. <b>40.008.00</b>	315 bar
801. <b>41.008.00</b>	21	8	630 bar	19 M16x1,5	804. <b>41.008.00</b>	500 bar
801. <b>40.010.00</b>	21	10	315 bar	19 M16x1,5	804. <b>40.010.00</b>	315 bar
801. <b>41.010.00</b>	21	10	630 bar	22 M18x1,5	804. <b>41.010.00</b>	500 bar

**Raccordo femmina metrica**  
**90° - cono 24° con O'Ring**  
**- ISO 12151-2**  
**90° O'Ring metric elbow**  
**24° cone - ISO 12151-2**



**tubo tipo**      **hose type**      **6400 -**

<b>6400</b>			<b>6500 - 6700</b>		<b>6500 - 6700</b>	
<b>Part. No.</b>	<b>L</b>	<b>d</b>	<b>p max.</b>	<b>Ch. d1</b>	<b>Part. no</b>	<b>p max.</b>
801. <b>42.006.00</b>	32	6	315 bar	14 M12x1,5	804. <b>42.006.00</b>	315 bar
801. <b>43.006.00</b>	32	6	630 bar	17 M14x1,5	804. <b>43.006.00</b>	500 bar
801. <b>42.008.00</b>	30	8	315 bar	17 M14x1,5	804. <b>42.008.00</b>	315 bar
801. <b>43.008.00</b>	30	8	630 bar	19 M16x1,5	804. <b>43.008.00</b>	500 bar
801. <b>42.010.00</b>	30	10	315 bar	19 M16x1,5	804. <b>42.010.00</b>	315 bar
801. <b>43.010.00</b>	30	10	630 bar	22 M18x1,5	804. <b>43.010.00</b>	500 bar

## Raccorderia per tubi flessibili MCS

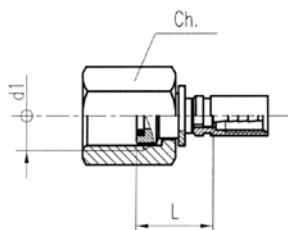
### Fittings for MCS micro-hose

#### Raccordo manometro

EN 837-1

#### Pressure gauge fitting

EN 837-1

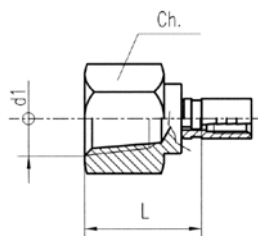


#### Raccordo manometro

ANSI/ASME B 1.20.1 - ISO 7-1

#### Pressure gauge fitting

ANSI/ASME B 1.20.1 - ISO 7-1

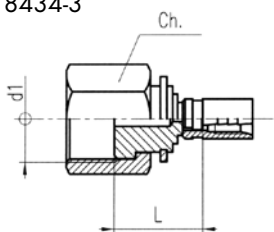


#### Raccordo femmina girevole "ORFS"

ISO 8434-3

#### Female swivel "ORFS"

ISO 8434-3

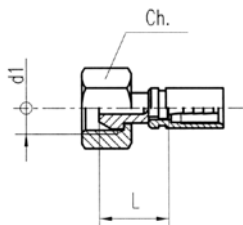


#### Raccordo femmina girevole 60°

BS 5200 / DIN 3863

#### 60° female swivel

BS 5200 / DIN 3863

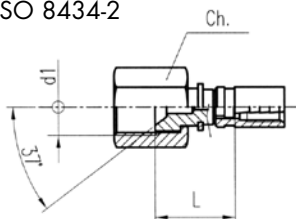


#### Raccordo femmina girevole

JIC 37° ISO 8434-2

#### JIC 37° female swivel

ISO 8434-2



#### tubo tipo

#### hose type

6400						6500-6700					
Part. No.	L	d1	Ch.	p max.		Part. No.	L	d1	Ch.	p max.	
801.50.204.00	15	ISO 228 G1/4"	17	630 bar		804.50.204.00	15	/	/	500 bar	
801.50.208.00	17	ISO 228 G1/2"	27	630 bar							
*801.50.112.00	17	M20 x 1,5	24	630 bar							

801.54.204.00 Raccordo portamanometro a 90°

90° Pressure gauge

\*Non secondo EN 837-1 Out of standard EN 837-1

#### tubo tipo

#### hose type

6400					
Part. No.	L	d1	Ch.	p max.	
801.50.304.00	23	1/4"-18 NPTF	19	630 bar	
801.52.204.00	23	ISO 7/1 R 1/4"	19	630 bar	

#### tubo tipo

#### hose type

6400					
Part. No.	L	d1	Ch.	p max.	
801.53.506.00	18	11/16-16 UN	22	400 bar	

#### tubo tipo

#### hose type

6400						6500-6700					
Part. No.	L	d1	Ch.	p max.		Part. No.	L	d1	Ch.	p max.	
801.60.202.00	14	ISO 228 G1/8"	14	400 bar							
801.60.204.00	18	ISO 228 G1/4"	17	630 bar		804.60.204.00	18	/	/	500 bar	
801.60.141.00	18	M14 x 1,5	19	630 bar							

801.65.204.00 Raccordo femmina girevole a 90° G1/4"

90° Elbow female swivel G1/4"

#### tubo tipo

#### hose type

6400						6500-6700					
Part. No.	L	d1	Ch.	p max.		Part. No.	L	d1	Ch.	p max.	
801.60.404.00	15	7/16"-20 UNF	14	450 bar		804.60.404.00	15	/	/	450 bar	
801.60.405.00	17	1/2"-20 UNF	16	420 bar							

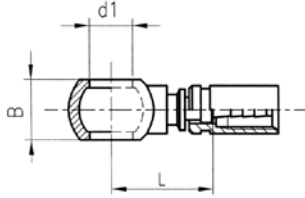


**Raccordo ad occhio diritto**

DIN 7642

**Straight banjo**

DIN 7642

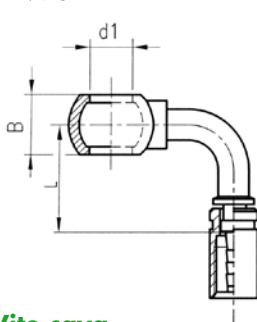


**Raccordo ad occhio a 90°**

DIN 7642

**90° banjo**

DIN 7642

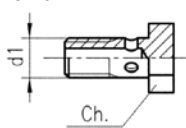


**Vite cava**

DIN 7643

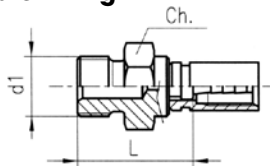
**Screw for banjo**

DIN 7643



**Raccordo maschio fisso**

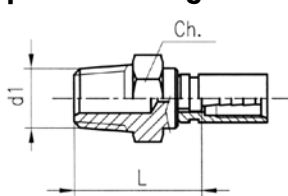
**Male fitting**



**Raccordo maschio fisso conico**

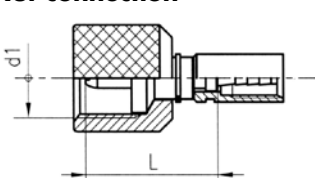
**Taper male fitting**

**Taper male fitting**



**Raccordo avvitabile**

**Nut connection**



**tubo tipo**

**hose type**

**6400**

Part. No.	L	d1	B	p max.	Part. no	L	d1	p max.
801.70.008.00	19	8	8	200 bar	804.70.008.00	19	8	200 bar
801.70.010.00	21	10	10	200 bar	804.70.010.00	21	10	200 bar
801.70.202.00	21	1/8"	10	200 bar	804.70.202.00	21	1/8"	200 bar

**6500 - 6700**

**tubo tipo**

**hose type**

**6400**

Part. No.	L	d1	B	p max.	Part. no	L	d1	p max.
801.72.008.00	25	8	8	200 bar	804.72.008.00	19	8	200 bar
801.72.010.00	22	10	10	200 bar	804.72.010.00	22	10	200 bar
801.72.202.00	22	1/8"	10	200 bar	804.72.202.00	22	1/8"	200 bar

**6500 - 6700**

Part. No.	d1	Ch.
A38-08M	M8 x 1	12
A38-10M	M10 x 1	14
A39-A02	ISO 228 G1/8"	14

**tubo tipo**

**hose type**

**6400**

Part. No.	L	d1	Ch.	p max.
801.80.202.00	19	ISO 228 G1/8"	13	400 bar
801.80.204.00	24,5	ISO 228 G1/4"	19	400 bar

**tubo tipo**

**hose type**

**6400**

Part. No.	L	d1	Ch.	p max.	Part. No.	L	d1	Ch.	p max.
801.80.302.00	21	1/8"-27 NPTF	13	400 bar	804.80.302.00	21	/	/	400 bar
801.80.304.00	26	1/4"-18 NPTF	17	630 bar					

**6500-6700**

**tubo tipo**

**hose type**

**6400**

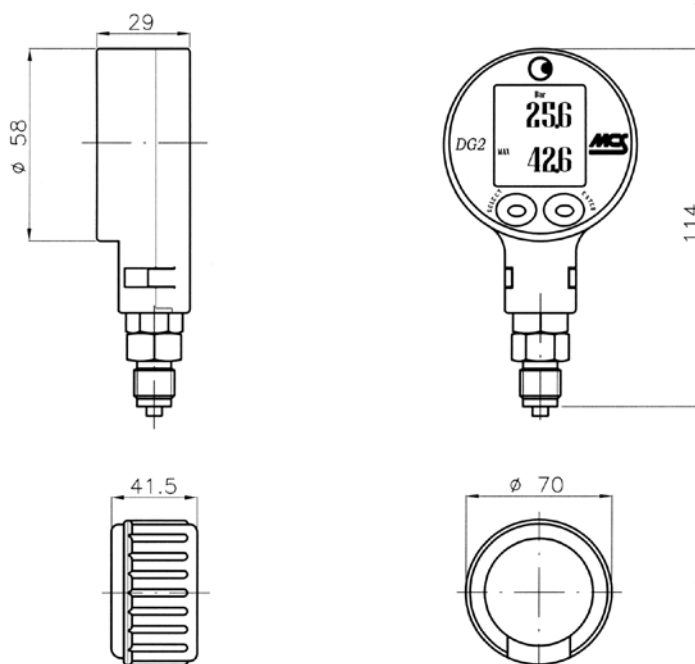
Part. No.	L	d1	p max.
801.10.125.00	22	S12.65x1,5	630 bar

**Manometro digitale con precisione 0,1%**  
**Digital pressure gauge with accuracy 0,1%**

---



**Modello DG2**  
**Model DG2**



**Protezione urti**  
**Shock protection**

**Campo di misura**

**Risoluzione**

**Precisione totale\***

Pressure range	Resolution	Total accuracy*
-1.....3 bar	1 mbar	typ. 4 mbar max 6 mbar
-1....30 bar	10 mbar	typ. 30 mbar max 60 mbar
0...300 bar	100 mbar	typ.0,3 bar max 0.6 bar
0...700 bar	200 mbar	typ.0,7 bar max 1.4 bar

\* Include: linearità, ripetibilità, isteresi, errore di temperatura e risoluzione display

\* Include: linearity, repeatability, hysteresis, temperature error and display resolution

Precisione	Accuracy	0.1% FStyp. ÷ 0.2% FSmax
Temperatura di stoccaggio	Storage temperature	-30...80°C
Campo di temperatura compensata	Compensated temperature range	0...50°C
Protezione CEI 529	Protection CEI 529	IP65
Connessione filettata	Pressure connection	1/4" Gas DIN 16288
Peso	Weight	125 g

**Modello DG2**  
**Model DG2**

Frequenza di campionamento: 2 Hz

Sample rate: 2 Hz

**Modello DG1**  
**Model DG1**

Come DG2 ma con frequenza di campionamento 5000 Hz per rilevazione picchi.

Similar as DG2 but with 5000 hz sample rate for peaks measurements.

**Esempio per l'ordinazione**

**Order example**

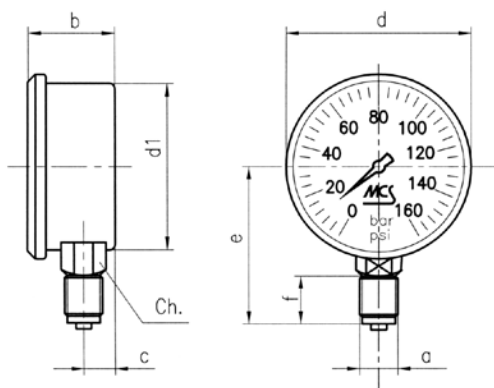
\_\_\_\_\_ Tipo 1 o 2  
 DG X - XXX \_\_\_\_\_ Campo di misura  
 (003/030/300/700)

\_\_\_\_\_ Type 1 or 2  
 DG X - XXX \_\_\_\_\_ Pressure range  
 (003/030/300/700)

**Manometri a bagno di glicerina**  
**Glycerine filled pressure gauges**



**Attacco radiale**  
**Bottom connection**



**Quote**      **Dimensions**

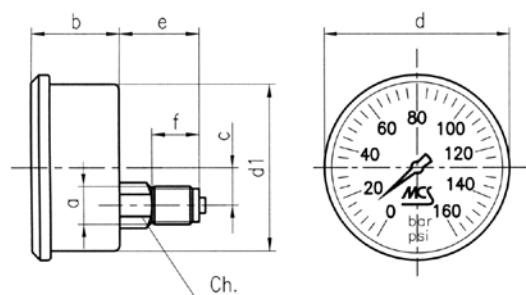
Tipo	Type	DN	a	b	c	d	d1	e	f	Ch.
7211		63	ISO 228 1/4"G	31	10	69	63	51	12	14
7211		100	ISO 228 1/2"G	47	17	105	100	80	18	22

**Attacco posteriore**  
**Back connection**

Centrale Centric  
Eccentrico Eccentric

**Quote**      **Dimensions**

Tipo	Type	DN	a	b	c	d	d1	e	f	Ch.
7214		63	ISO 228 1/4"G	31	19	69	63	22	12	14
7215		100	ISO 228 1/2"G	37,5	31	105	100	35	18	22

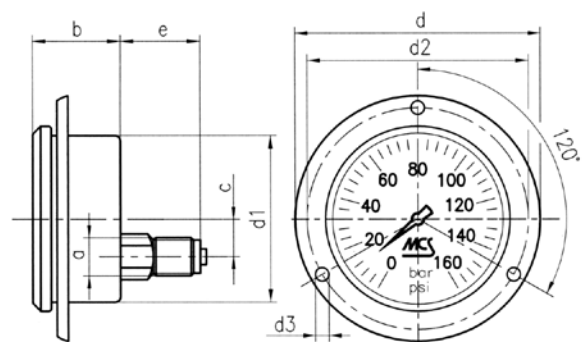


**Attacco posteriore con flangia**  
**Back connection with front fixing flange**

Centrale Centric  
Eccentrico Eccentric

**Quote**      **Dimensions**

Tipo	Type	DN	a	b	c	d	d1	d2	d3	e
7216		63	ISO 228 1/4"G	31	19	84	63	75	12	14
7218		100	ISO 228 1/2"G	37,5	31	132	100	116	18	35



## Tipi e dimensioni

### Type and dimensions

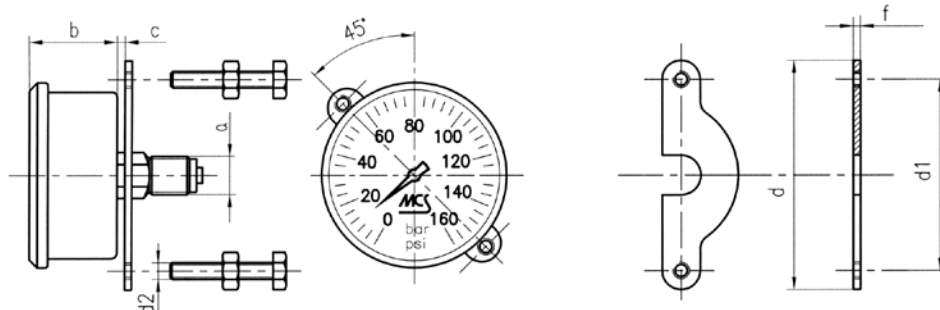
#### Attacco posteriore con staffa di fissaggio

#### Back connection with clamp

#### Quote Dimensions

Tipo Type	DN	a	b	c	d	d1	f
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**7217** 63 ISO 228 1/4"G 31 5 82 68 2,5



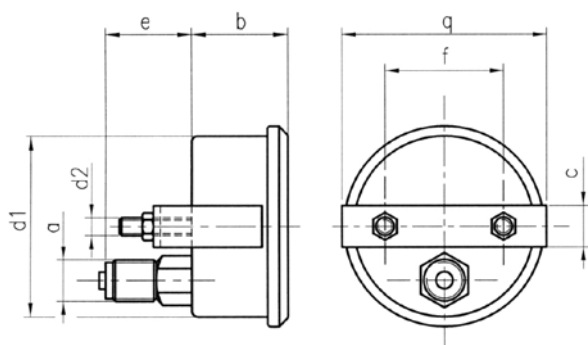
#### Attacco posteriore con staffa di fissaggio

#### Back connection with clamp

#### Quote Dimensions

Tipo Type	DN	a	b	e	d1	d2	c	f	q
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**7219** 100 ISO 228 1/2"G 37,5 35 100 M5 25 63 108



## Esempio per l'ordinazione

### Order example

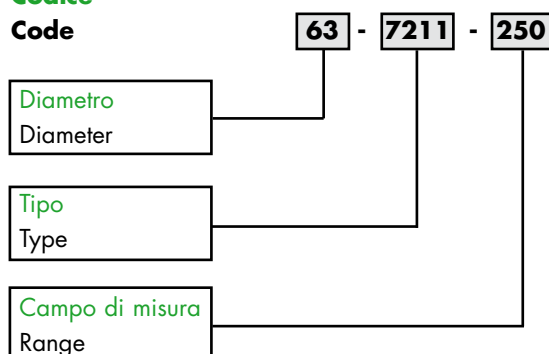
#### Doppia Double

#### scala scale

bar	psi
-1+ 1,5bar	No psi
-1+ 15 bar	No psi
0- 2,5 bar	36 psi
0- 6 bar	85 psi
0- 10 bar	140 psi
0- 16 bar	230 psi
0- 25 bar	350 psi
0- 40 bar	550 psi
0- 60 bar	850 psi
0-100 bar	1400 psi
0-160 bar	2300 psi
0-250 bar	3500 psi
0-400 bar	5500 psi
0-600 bar	8500 psi
0-1000 bar	a richiesta on request

#### Codice

#### Code





## Caratteristiche tecniche

<b>Pressione d'esercizio:</b>	Stabile: 75% del valore di fondoscala
<b>Temperatura d'utilizzo:</b>	Ambiente: -25°C a 65°C
<b>Sovrapressione:</b>	25% ≤ 100 bar ; 15% > 100 bar
<b>Costruzione:</b>	cassa in acciaio inox riempita di glicerina con valvola di sfianto
<b>Fascia bordata:</b>	in acciaio inox AISI 304
<b>Flangia di fissaggio:</b>	in acciaio inox AISI 304 con tre fori
<b>Quadrante:</b>	in alluminio a sfondo bianco, con graduazione e numerazione in nero e rosso Marchio MCS in verde
<b>Indice:</b>	in alluminio laccato nero
<b>Vetro:</b>	in policarbonato trasparente
<b>Attacco:</b>	in ottone per pressioni da 0 a 600 bar con strozzatura interna da 0,8 mm
<b>Molla tubolare:</b>	- in bronzo fosforoso con saldature dolci per pressioni fino a 600 bar - in acciaio al Cr-Ni con saldature forti per pressioni da 600 a 1000 bar
<b>Dimensioni nominali e tipi di montaggio:</b>	a norme EN 837
<b>Precisione di misura a 20°C:</b>	- ± 1,6% v.f.s. per manometri ø 63 UNI 8293 e DIN 16005 - ± 1% v.f.s. per manometri ø 100 UNI 8293 e DIN 16005
<b>Grado di protezione:</b>	IP 65 secondo EN 837
<b>Graduazione e numerazione:</b>	secondo EN 837

## Technical data

<b>Working pressure:</b>	Steady: 75% of full scale value
<b>Working temperature range:</b>	Ambient: -25°C to 65°C / -40°F to 150°F
<b>Overpressure:</b>	25% ≤ 100 bar ; 15% > 100 bar
<b>Casing body:</b>	glycerine filled in stainless steel case with safety vent.
<b>Band ring:</b>	stainless steel AISI 304
<b>Fixing flange:</b>	stainless steel AISI 304 with 3 holes
<b>Dial:</b>	white painted aluminium with indelible black and red graduation MCS green mark
<b>Needle:</b>	black painted aluminium
<b>Transparent cover:</b>	polycarbonat
<b>Connection:</b>	brass for pressure up to 600 bar
<b>Tubular spring:</b>	in phosphor bronze for pressure up to 600 bar Cr-Ni steel for pressure up to 1000 bar
<b>Dimensions and assembly:</b>	according to EN 837
<b>Accuracy with temperature 20°C:</b>	+/- 1,6% referred to full scale value ø 63 UNI 8293 and DIN 16005 +/- 1% referred to full scale value ø 100 UNI 8293 and DIN 16005
<b>Protection class:</b>	IP 65 according to EN 837
<b>Range and graduation:</b>	according to EN 837

## Valigetta in metallo per controllo pressioni

### Metal test box for pressure check



- ▶ Costruzione in lamiera d'acciaio
- ▶ Verniciatura a forno resistente agli urti
- ▶ Coperchio sfilabile comprendente manometri a bagno di glicerina
- ▶ Vano per microtubi protetto da coperchio in lamiera d'acciaio
- ▶ Serie di microtubi lunghezza 2000 mm
- ▶ Dimensioni: 420 x 110 x 310 mm

- ▶ Construction: sheet-steel
- ▶ Shock resistant oven-baked painting
- ▶ Removable cover comprising glycerine-filled pressure gauges
- ▶ Box for micro-hoses protected by a sheet-steel cover
- ▶ 1 set of micro-hoses with length 2000 mm
- ▶ Dimensions: 420 x 110 x 310 mm

#### Doppia scala

#### Double scale BAR / PSI

0 - 2,5 bar	0- 36 PSI
0 - 6 bar	0- 85 PSI
0 - 10 bar	0- 140 PSI
0 - 16 bar	0- 230 PSI
0 - 25 bar	0- 350 PSI
0 - 40 bar	0- 550 PSI
0 - 60 bar	0- 850 PSI
0 - 100 bar	0-1400 PSI
0 - 160 bar	0-2300 PSI
0 - 250 bar	0-3500 PSI
0 - 400 bar	0-5500 PSI
0 - 600 bar	0-8500 PSI
-1+ 1,5 bar	
-1+ 15 bar	

**Modello 750 N.63.00**  
**Model 750 N.63.00**

**4 manometri ø 63 mm**

+ 4 microtubi con terminali M 16 x 2  
peso: 9,5 kg

**4 pressure gauges ø 63 mm**

+ 4 micro-hoses with terminals  
M 16 x 2  
weight: 9.5 kg



**Modello 750 N.63.10**  
**Model 750 N.63.10**

**2 manometri ø 63 mm +  
2 ø 100 mm**

+ 4 microtubi con terminali M 16 x 2  
peso: 10,5 kg

**2 pressure gauges ø 63 mm +  
2 ø 100 mm**

+ 4 micro-hoses with terminals  
M 16 x 2  
weight: 10.5 kg



**Modello 750 N.63.00.7**  
**Model 750 N.63.00.7**

**7 manometri ø 63 mm**

+ 7 microtubi con terminali M 16 x 2  
peso: 11 kg

**7 pressure gauges ø 63 mm**

+ 7 micro-hoses with terminals  
M 16 x 2  
weight: 11 kg



## Valigetta in plastica per controllo pressioni

Plastic test box for pressure check



## Modello 750.KP1 Model 750.KP1

1	Valigetta in plastica	KP1
2	Manometri a bagno di glicerina	ø 63
1	Microtubo	6400-10.162-50.204-2000 mm
Dimensioni	240 x 200 x 40 mm	

1	Plastic box	KP1
2	Glycerine-filled pressure gauges	ø 63
1	Micro-hose	6400-10.162-50.204-2000 mm
Dimensions	240 x 200 x 40 mm	

## Modello 750.KP2 Model 750.KP2

1	Valigetta in plastica	KP2
2	Manometri a bagno di glicerina	ø 63
2	Miniprese di pressione	620.01.204.21
1	Microtubo	6400-10.162-10.162-2000 mm
2	Portamanometri	620.08.204.00
1	Portamanometro presa diretta	620.09.204.00
1	Riduzione	630.01.206.10
1	Riduzione	630.01.208.20
1	Minipresa	620.01.008.01
1	Minipresa	620.01.010.01
Dimensioni	390 x 200 x 80	

1	Plastic box	KP2
2	Glycerine-filled pressure gauges	ø 63
2	Test points	620.01.204.21
1	Micro-hose	6400-10.162-10.162-2000 mm
2	Pressure gauge connections	620.08.204.00
1	Pressure gauge adapter	620.09.204.00
1	Reducer	630.01.206.10
1	Reducer	630.01.208.20
1	Test point	620.01.008.01
1	Test point	620.01.010.01
Dimensions	390 x 200 x 80	

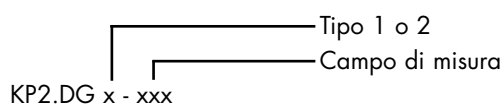
## Modello 750.KP2.DG Model 750.KP2.DG

1	Valigetta in plastica	KP2
1(2)	Manometro	DGx.xxx
1	Minipresa di pressione	620.01.204.21
1	Minipresa di pressione	620.01.014.21
1	Minipresa di pressione	620.01.008.01
1	Minipresa di pressione	620.01.010.01
1	Riduzione	630.01.206.20
1	Riduzione	630.01.208.20
1	Portamanometro presa diretta	620.09.204.00
1(2)	Microtubo	6400-10.162-50.204-1000
Dimensioni	390 x 260 x 80 mm	

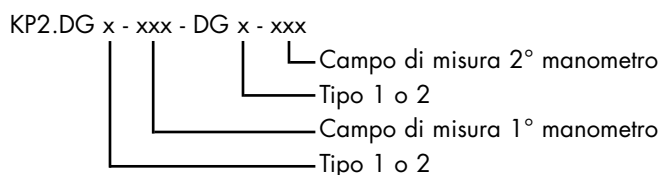
1	Plastic box	KP2
1(2)	Pressure gauge	DGx.xxx
1	Test point	620.01.204.21
1	Test point	620.01.014.21
1	Test point	620.01.008.01
1	Test point	620.01.010.01
1	Reducer	630.01.206.20
1	Reducer	630.01.208.20
1	Pressure gauge adapter	620.09.204.00
1	Micro-hose	6400-10.162-50.204-1000
Dimensions	390 x 260 x 80 mm	

### Esempio per l'ordinazione

N° 1 Manometro

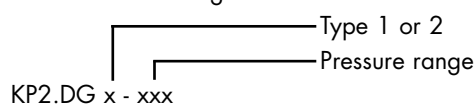


N° 2 Manometri

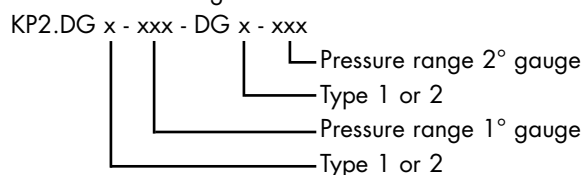


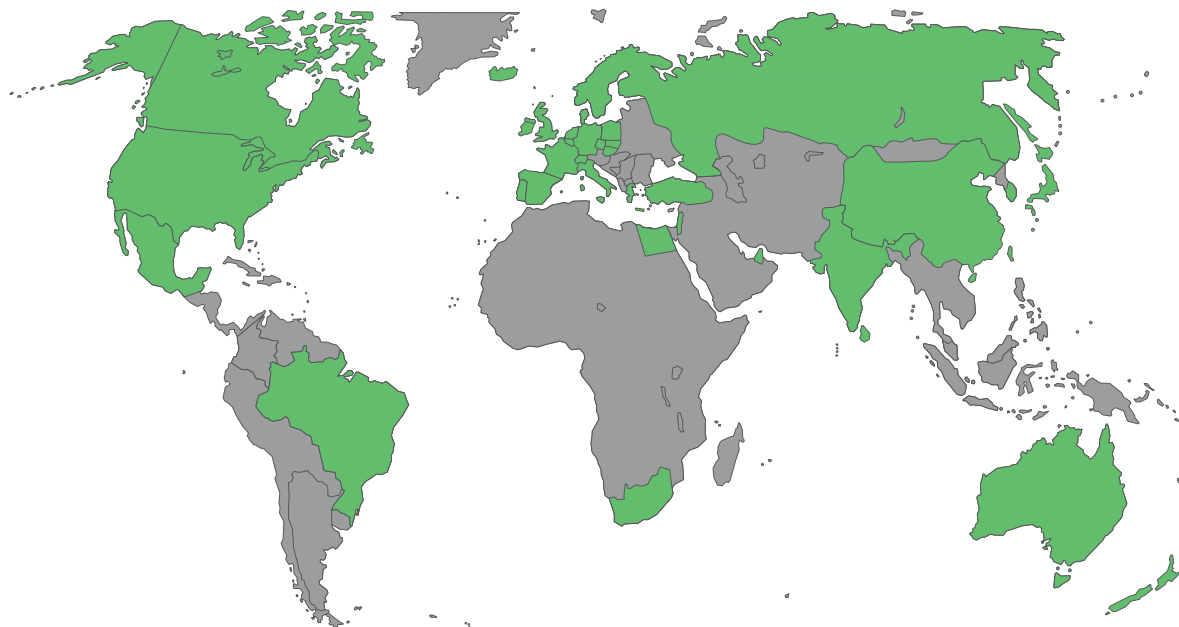
### Order example

N° 1 Pressure Gauge



N° 2 Pressure Gauge





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**Norme e dimensioni soggette a modifiche senza preavviso**

Design details and specifications subject to change without prior notice

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