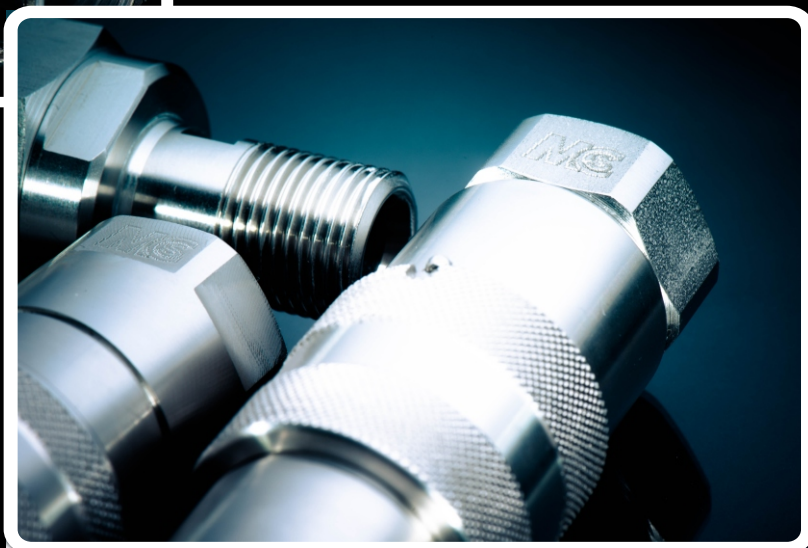


MCS

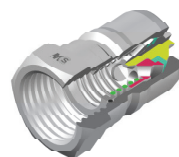
HYDRAULICS

Innesti Rapidi Quick-Release Couplings



*Collezione - Collection
2019*

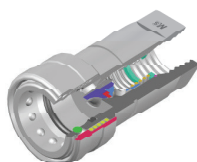
INDICE
INDEX
Pag. 9.1 - 9.2



INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. BSPQRCM..

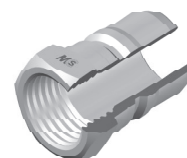
Pag. 9.3



INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. BSPQRCF..

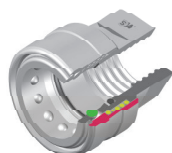
Pag. 9.3



INNESTI RAPIDI PASSAGGIO LIBERO
BLOCCAGGIO A SFERE
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
FREE FLOW
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. BSPQRUM..

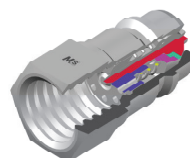
Pag. 9.4



INNESTI RAPIDI PASSAGGIO LIBERO
BLOCCAGGIO A SFERE
Norma ISO 7241-1 "B" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
FREE FLOW
ISO 7241-1 "B" Standard -
AISI 316 Stainless Steel

Cod. BSPQRUF..

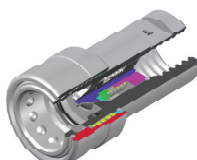
Pag. 9.4



INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE
Norma ISO 7241-1 "A" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "A" Standard -
AISI 316 Stainless Steel

Cod. BSPQRCM..A

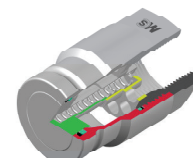
Pag. 9.5



INNESTI RAPIDI VALVOLATI
CON BLOCCAGGIO A SFERE
Norma ISO 7241-1 "A" -
Acciaio Inox AISI 316
QUICK-RELEASE COUPLINGS
ISO 7241-1 "A" Standard -
AISI 316 Stainless Steel

Cod. BSPQRCF..A

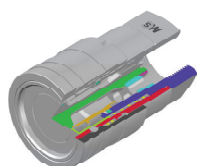
Pag. 9.5



INNESTI RAPIDI A FACCIA PIANA
Norma ISO 16028 -
Acciaio Inox AISI 316
FLAT FACE COUPLINGS
ISO 16028 Standard -
AISI 316 Stainless Steel

Cod. BSPQRCFFM..

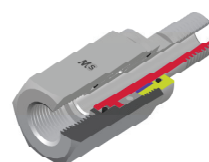
Pag. 9.6



INNESTI RAPIDI A FACCIA PIANA
Norma ISO 16028 -
Acciaio Inox AISI 316
FLAT FACE COUPLINGS
ISO 16028 Standard -
AISI 316 Stainless Steel

Cod. BSPQRCFFF..

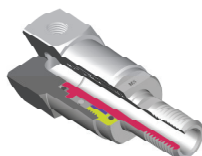
Pag. 9.6



GIUNTI GIREVOLI IN LINEA -
Rotazione Lenta
Acciaio Inox AISI 316
STRAIGHT SWIVEL JOINT - Slow Speed
AISI 316 Stainless Steel

Cod. SSJ..

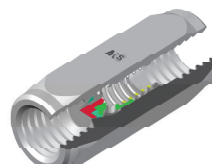
Pag. 9.7



GIUNTI GIREVOLI A 90° -
Rotazione Lenta
Acciaio Inox AISI 316
90° SWIVEL JOINT - Slow Speed
AISI 316 Stainless Steel

Cod. 90SJ..

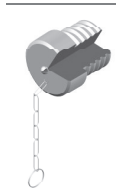
Pag. 9.8



VALVOLE PER FLUSSO
UNIDIREZIONALE
Acciaio Inox AISI 316
NO-RETURN VALVES
AISI 316 Stainless Steel

Cod. NRV..

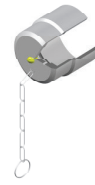
Pag. 9.9



TAPPI
Norma ISO 7241-1 "B"
PLUGS
ISO 7241-1 "B" Standard

Cod. MP..

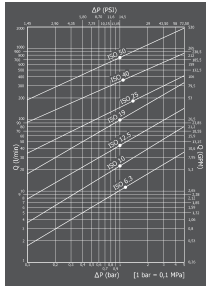
Pag. 9.10



TAPPI
Norma ISO 7241-1 "B"
PLUGS
ISO 7241-1 "B" Standard

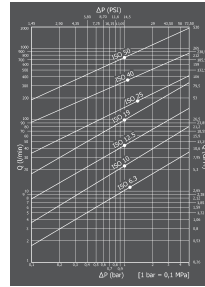
Cod. FC..

Pag. 9.10



PERDITE DI CARICO
PRESSURE DROP
ISO B
ISO B

Pag. 9.11



PERDITE DI CARICO
PRESSURE DROP
FACCIA PIANA
FLAT FACE

Pag. 9.12

INNESTI RAPIDI VALVOLATI CON BLOCCAGGIO A SFERE

Norma ISO 7241-1 "B" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS

ISO 7241-1 "B" Standard - AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.

Pressione di scoppio: 2,5 volte la pressione nominale di esercizio.

Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Antiestrusori in PTFE.

Intercambiabilità secondo ISO 7241-1 parte B.

Completamente costruito in acciaio inox AISI 316

(Molle, sfere, valvole, guidavalvole, etc.).

Innestabilità in assenza di pressione.

Disinnestabilità in pressione non consentita.

A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

Standard thread BSP, others available on request.

Burst-pressure: 2,5 time working pressure

VITON® seals standard, others available on request.

PTFE Backup rings.

Interchangeability according to ISO 7241-1 part B.

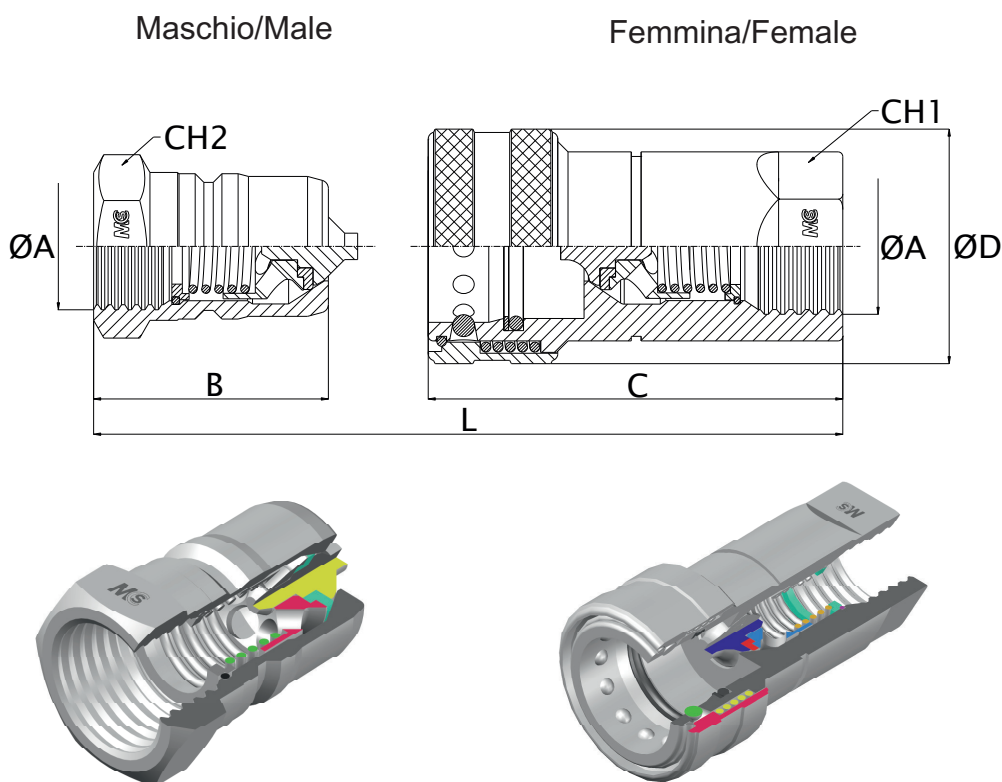
Machined from stainless steel AISI 316

(Springs, balls, valves, guidevalves, etc.).

Connection possible in state of pressurelessness.

Disconnection under pressure is not allowed.

Safety caps in Aluminum with Stainless Steel chain, available on request.



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	D mm	L mm	CH1	CH2	S mm²	M Kg
300	BSPQRCM02	BSPQRCF02	1/8"	31,0	50,0	24,0	62,0	14,0	14,0	12,5	0,11
	BSPQRCM04	BSPQRCF04	1/4"	36,0	57,0	28,0	72,0	19,0	19,0	22,5	0,17
250	BSPQRCM06	BSPQRCF06	3/8"	39,0	64,0	35,0	78,0	24,0	22,0	40,5	0,29
	BSPQRCM08	BSPQRCF08	1/2"	45,5	73,0	42,0	91,0	27,0	27,0	79,0	0,50
	BSPQRCM12	BSPQRCF12	3/4"	53,5	87,0	51,5	107,0	36,0	34,0	169,0	0,85
200	BSPQRCM16	BSPQRCF16	1"	63,0	102,0	60,0	125,0	41,0	41,0	224,0	1,25
140	BSPQRCM20	BSPQRCF20	1,1/4"	126,0	126,0	75,0	198,0	65,0	65,0	865,0	3,70
	BSPQRCM24	BSPQRCF24	1,1/2"	126,0	126,0	75,0	198,0	65,0	65,0	865,0	3,70
90	BSPQRCM32	BSPQRCF32	2"	142,0	142,0	105,0	222,0	90,0	90,0	1780,0	8,00

A richiesta Maschi e Femmine ISO A e ISO B con adattatore filettatura Maschio.
On request ISO A and ISO B Plug/Coupler with male threaded - end adaptor.

S = Sezione di passaggio

M = Peso complessivo M+F

VITON® è un marchio registrato dalla DuPont Dow Elastomers

S = Flow section

M = Total weight M+F

VITON® is a DuPont Dow Elastomers Trade Mark

INNESTI RAPIDI PASSAGGIO LIBERO BLOCCAGGIO A SFERE

Norma ISO 7241-1 "B" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS FREE FLOW

ISO 7241-1 "B" Standard - AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.

Pressione di scoppio: 2,5 volte la pressione nominale di esercizio.

Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Completamente costruito in acciaio inox AISI 316.

Intercambiabilità secondo ISO 7241-1 parte B.

A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

Standard thread BSP, others available on request.

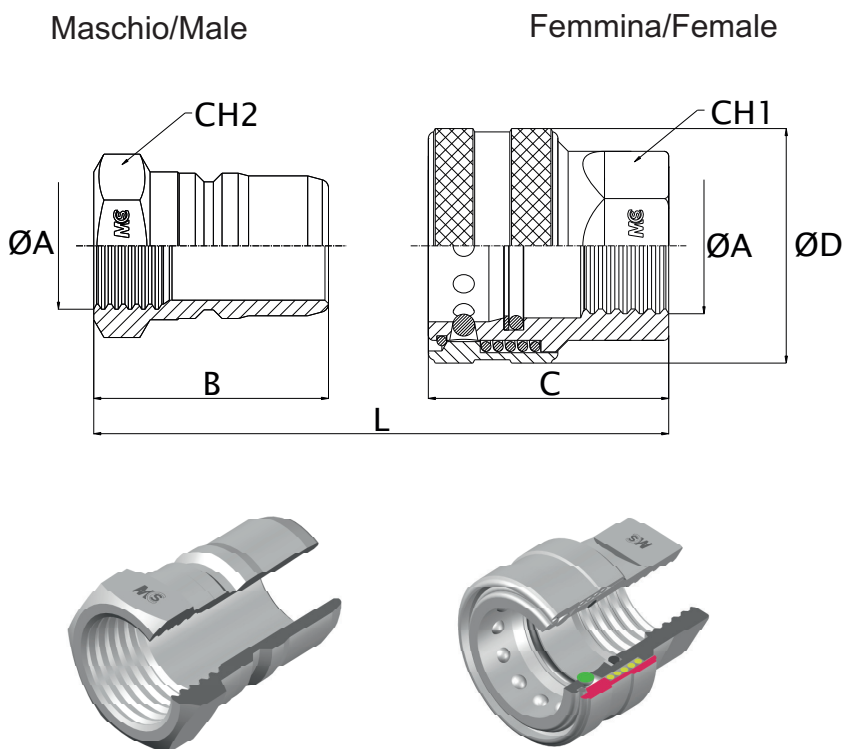
Burst-pressure: 2,5 time working pressure.

VITON® seals standard, others available on request.

Machined from stainless steel AISI 316.

Interchangeability according to ISO 7241-1 part B.

Safety caps in Aluminum with Stainless Steel chain, available on request.



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	D mm	L mm	CH1	CH2
300	BSPQRCUM04	BSPQRCUF04	1/4"	35,0	38,0	28,0	52,0	19	19
	BSPQRCUM06	BSPQRCUF06	3/8"	39,0	42,0	35,0	56,0	24	22
250	BSPQRCUM08	BSPQRCUF08	1/2"	45,0	46,0	42,0	63,0	27	27
	BSPQRCUM12	BSPQRCUF12	3/4"	53,5	54,0	51,5	74,0	36	34
200	BSPQRCUM16	BSPQRCUF16	1"	63,0	64,0	60,0	87,0	41	41
	BSPQRCUM20	BSPQRCUF20	1,1/4"	85,0	85,0	75,0	117,0	65	60
140	BSPQRCUM24	BSPQRCUF24	1,1/2"	85,0	85,0	75,0	117,0	65	60
90	BSPQRCUM32	BSPQRCUF32	2"	100,0	100,0	105,0	135,0	80	70

INNESTI RAPIDI VALVOLATI CON BLOCCAGGIO A SFERE

Norma ISO 7241-1 "A" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS

ISO 7241-1 "A" Standard - AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.

Pressione di scoppio: 2,5 volte la pressione nominale di esercizio.

Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Antiestrusori in PTFE.

La forma geometrica della zona di aggancio ISO A

è differente dalla ISO B. Gli innesti non sono intercambiabili.

Completamente costruito in acciaio inox AISI 316

(Molle, sfere, valvole, guidavalvole, etc.).

Innestabilità in assenza di pressione.

Disinnestabilità in pressione non consentita.

A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

Standard thread BSP, others available on request.

Burst-pressure: 2,5 time working pressure

VITON® seals standard, others available on request.

PTFE Backup rings.

ISO A geometrical shape of connection is different from ISO B.

Couplings are not interchangeable.

Machined from stainless steel AISI 316

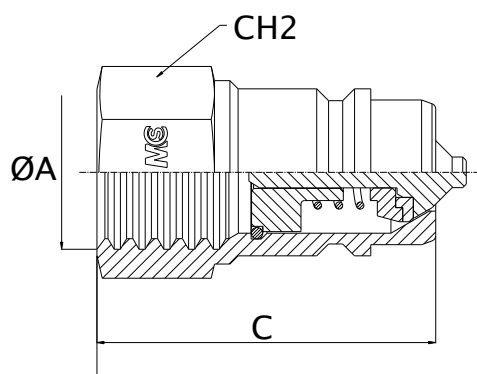
(Springs, balls, valves, guidevalves, etc.).

Connection possible in state of pressurelessness.

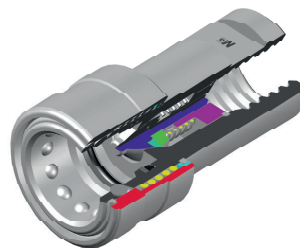
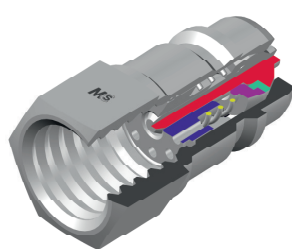
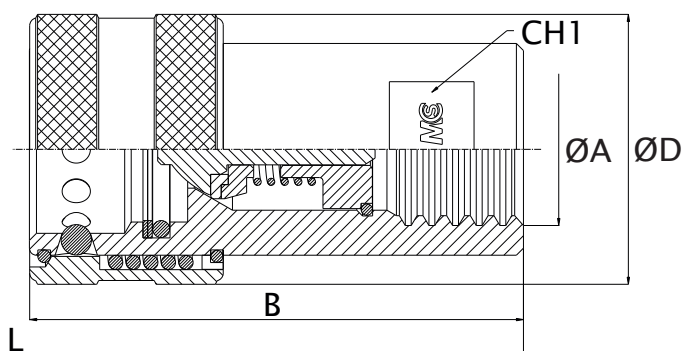
Disconnection under pressure is not allowed.

Safety caps in Aluminum with Stainless Steel chain, available on request.

Maschio/Male



Femmina/Female



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	D mm	L mm	CH1	CH2	S mm²	M Kg
300	BSPQRCM04A	BSPQRCF04A	1/4"	50,0	34,0	26,0	70,0	19	19	18,0	0,16
	BSPQRCM06A	BSPQRCF06A	3/8"	57,0	40,0	30,0	80,0	22	22	40,0	0,22
250	BSPQRCM08A	BSPQRCF08A	1/2"	70,0	46,0	38,0	95,0	27	27	79,0	0,38
	BSPQRCM12A	BSPQRCF12A	3/4"	81,0	53,5	48,0	108,0	34	32	138,0	0,67
200	BSPQRCM16A	BSPQRCF16A	1"	96,0	63,0	54,0	126,0	38	41	224,0	0,92
140	BSPQRCM20A	BSPQRCF20A	1,1/4"	115,0	69,0	70,0	143,0	50	50	286,0	1,95
	BSPQRCM24A	BSPQRCF24A	1,1/2"								
90	BSPQRCM32A	BSPQRCF32A	2"								

A richiesta Maschi e Femmine ISO A e ISO B con adattatore filettatura Maschio.
On request ISO A and ISO B Plug/Coupler with male threaded - end adaptor.

S = Sezione di passaggio

M = Peso complessivo M+F

VITON® è un marchio registrato dalla DuPont Dow Elastomers

S = Flow section

M = Total weight M+F

VITON® is a DuPont Dow Elastomers Trade Mark

INNESTI RAPIDI A FACCIA PIANA

Norma ISO 16028 - Acciaio Inox AISI 316

FLAT FACE COUPLINGS

ISO 16028 Standard - AISI 316 Stainless Steel

Nessuna fuoriuscita di fluido nel disinnesto

Nessun ingresso d'aria nell'aggancio

Adatti ove non debbano esserci perdite di fluido per motivi ecologici o di sicurezza.

Filettatura standard BSPP, altre su richiesta.

Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Antiestrusori in PTFE.

Occlusione a faccia piana.

Dispositivo di sicurezza antisgancio.

Facile da pulire.

A richiesta sono inoltre disponibili tappi di sicurezza in Alluminio con catena in Acciaio Inox.

No leakage during disconnection

No air inclusion during connection

Application where fluid leaks are not allowed for ecological or safety reasons.

Standard thread BSPP, others available on request.

VITON® seals standard, others available on request.

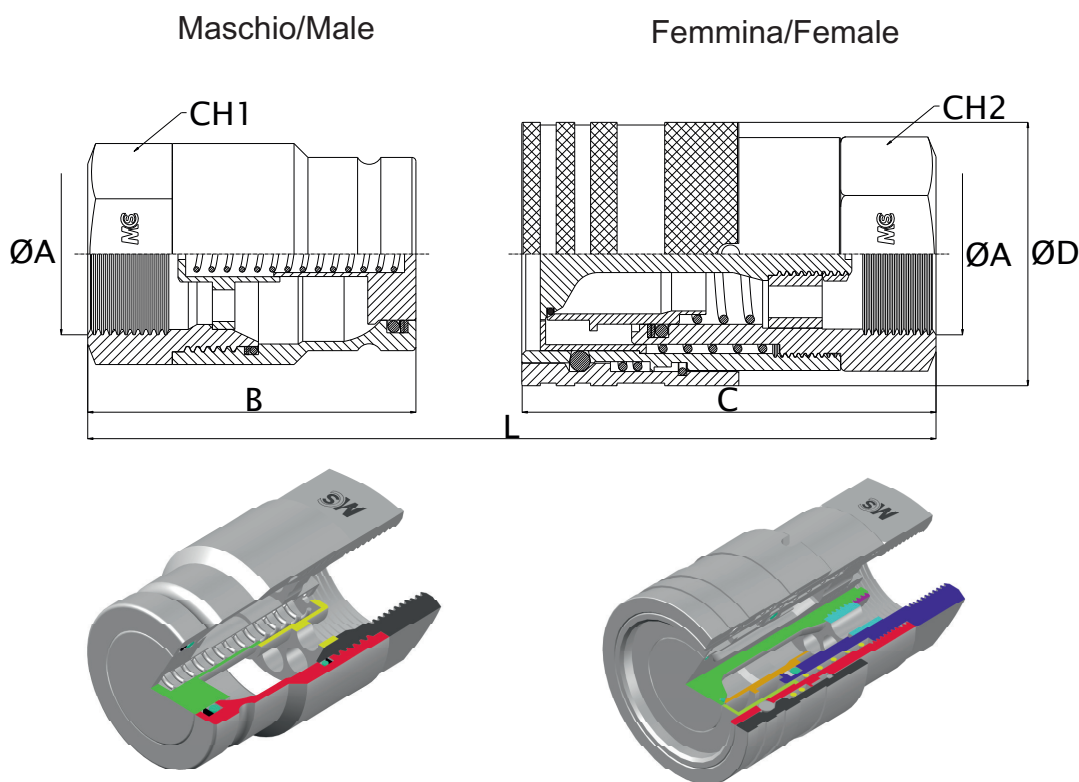
PTFE Backup rings.

Shut-off flat face system.

Safety lock device.

Easy cleaning.

Safety caps in Aluminum with Stainless Steel chain, available on request.



Bar WP	Codice Maschio Male Code	Codice Femmina Female Code	Ø A Inch.	B mm	C mm	L mm	CH1	CH2	M Kg
300	BSPQRCFFM04	BSPQRCFFF04	1/4"	48,0	48,0	86,0	22	22	0,25
250	BSPQRCFFM06	BSPQRCFFF06	3/8"	67,0	68,0	118,0	27	27	0,40
200	BSPQRCFFM08	BSPQRCFFF08	1/2"	68,0	74,0	125,0	32	32	0,65
150	BSPQRCFFM12	BSPQRCFFF12	3/4"	70,0	79,0	130,0	36	36	0,75
100	BSPQRCFFM16	BSPQRCFFF16	1"	82,0	93,0	153,0	45	45	1,20
90	BSPQRCFFM20	BSPQRCFFF20	1,1/4"	90,0	106,0	172,5	55	55	1,95
60	BSPQRCFFM24	BSPQRCFFF24	1,1/2"	112,0	132,5	173,0	65	65	4,50
	BSPQRCFFM32	BSPQRCFFF32	2"	124,0	157,0	242,0	75	75	8,50

M = Peso complessivo M+F

VITON® è un marchio registrato dalla DuPont Dow Elastomers

M = Total weight M+F

VITON® is a DuPont Dow Elastomers Trade Mark

GIUNTI GIREVOLI IN LINEA - Rotazione Lenta

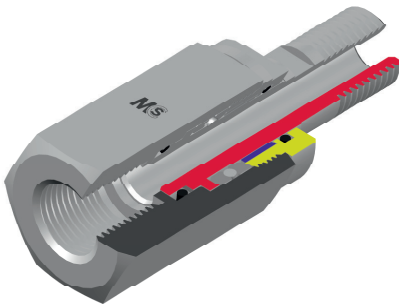
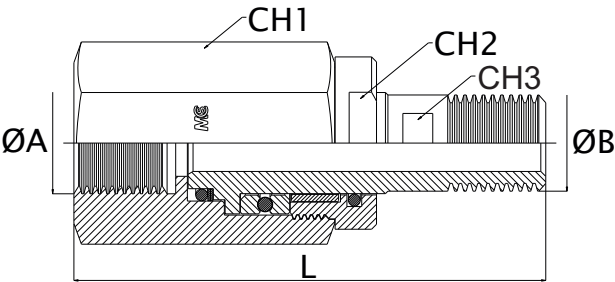
Acciaio Inox AISI 316

STRAIGHT SWIVEL JOINT - Slow Speed

AISI 316 Stainless Steel

Filettatura standard BSP, altre su richiesta.
Velocità di rotazione : 5 - 10 giri/min
A richiesta diverse combinazioni fra i Ø A e B
Disponibili a richiesta anche : F-F o M-M
Usati nel collegamento di due elementi oleoidraulici in rotazione
uno rispetto all'altro, evitando torsioni.

Standard thread BSP, others available on request.
Rotation speed : 5 - 10 rpm
On request different combinations between Ø A and B
Available also F-F or M-M
They connect two oil-hydraulic elements rotating with
respect to the other, avoiding twisting.



Bar WP	Codice Code	Ø A Inch.	Ø B mm	L mm	CH1	CH2	CH3
350	SSJ04	1/4"	1/4"	75,0	27	24	11
	SSJ06	3/8"	3/8"	88,0	34	30	14
300	SSJ08	1/2"	1/2"	101,0	36	32	18
250	SSJ12	3/4"	3/4"	110,0	45	40	24
	SSJ16	1"	1"	124,0	Ø 55	50	30
180	SSJ20	1,1/4"	1,1/4"	129,0	Ø 60	55	38
150	SSJ24	1,1/2"	1,1/2"	138,0	Ø 75	68	41
	SSJ32	2"	2"	149,0	Ø 85	80	55

GIUNTI GIREVOLI A 90° - Rotazione Lenta

Acciaio Inox AISI 316

90° SWIVEL JOINT - Slow Speed

AISI 316 Stainless Steel

Filettatura standard BSPP, altre su richiesta.

Velocità di rotazione: 5-10 giri/min.

Su richiesta diverse combinazioni fra i ØA e B.

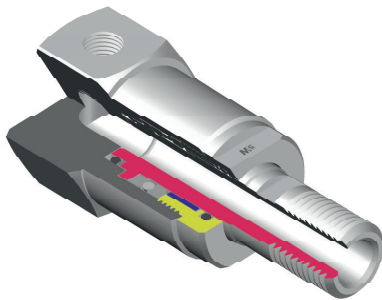
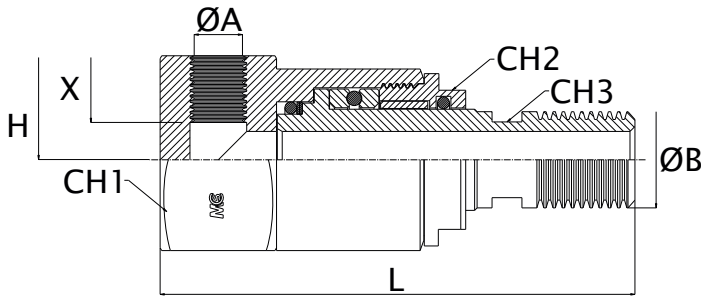
Oltre 1": Corpo quadro tornito.

Standard thread BSPP, others available on request.

Rotation speed: 5-10 rpm.

On request different combinations between ØA and B

Over 1": Square body lathed



Bar WP	Codice Code	Ø A Inch.	Ø B mm	L mm	CH1	CH2	CH3	H	X
350	90SJ04	1/4"	1/4"	78,0	32	21	11	17,5	13,5
300	90SJ06	3/8"	3/8"	98,0	38	30	14	20,5	15,0
	90SJ08	1/2"	1/2"	106,0	46	32	18	24,5	17,0
250	90SJ12	3/4"	3/4"	118,0	50	41	24	25,0	17,0
	90SJ16	1"	1"	142,0	60	50	30	29,0	21,0
180	90SJ20	1,1/4"	1,1/4"	155,0	55	38	60	54,0	26,0
150	90SJ24	1,1/2"	1,1/2"	170,0	70	41	75	51,5	27,0
	90SJ32	2"	2"	190,0	80	55	95	53,0	34,0

VALVOLE PER FLUSSO UNIDIREZIONALE

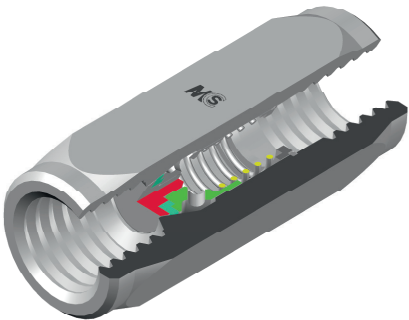
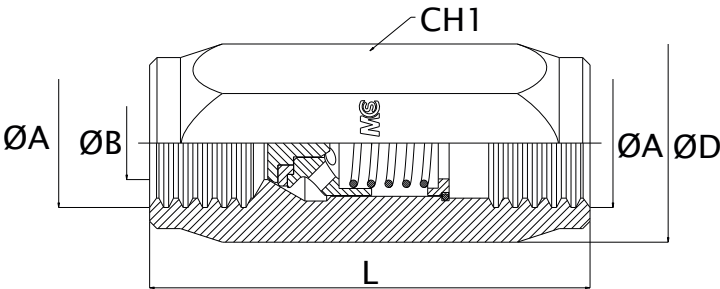
Acciaio Inox AISI 316

NO-RETURN VALVES

AISI 316 Stainless Steel

Apertura standard 0,5 bar - Su richiesta fino a 8 bar
Guarnizioni in VITON® di serie, altre disponibili su richiesta.

Standard cracking point 0,5 bar - On request up to 8 bar
VITON® seals standard, others available on request.



Bar WP	Codice Code	Ø A Inch.	Ø B mm	L mm	CH1	S mm²	M Kg
350	NRV02	1/8"	5	42,0	14	18,0	0,05
	NRV04	1/4"	7	50,0	19	22,0	0,09
	NRV06	3/8"	10	60,0	24	42,0	0,16
	NRV08	1/2"	11	65,0	27	75,0	0,28
300	NRV12	3/4"	17	75,0	34	126,0	0,35
250	NRV16	1"	21	93,0	41	230,0	0,58
	NRV20	1,1/4"	29	110,0	50	340,0	0,96
	NRV24	1,1/2"	34	112,0	55	509,0	1,02
200	NRV32	2"	48	120,0	75	1640,0	2,20

S = Sezione di passaggio
M = Peso complessivo M+F

S = Flow section
M = Total weight M+F

TAPPI

Norma ISO 7241-1 "B"

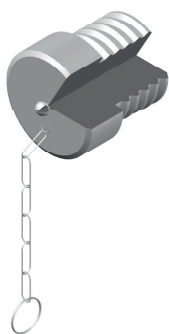
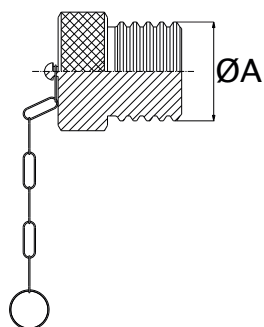
PLUGS

ISO 7241-1 "B" Standard

Tappi di sicurezza in Alluminio con catena in Acciaio Inox.

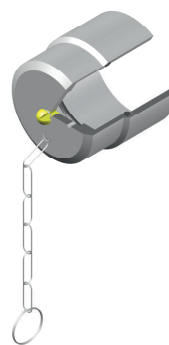
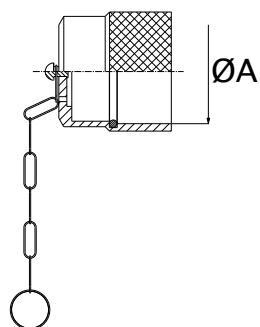
Safety caps in Aluminum with Stainless Steel chain.

Tappo per Femmina
Plug for Female



Codice Maschio Male Code	Ø A Inch.
MP04	1/4"
MP06	3/8"
MP08	1/2"
MP12	3/4"
MP16	1"
MP20	1,1/4"
MP24	1,1/2"
MP32	2"

Tappo per Maschio
Cap for Male



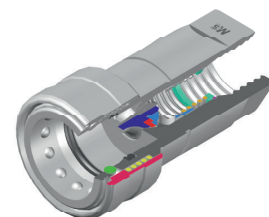
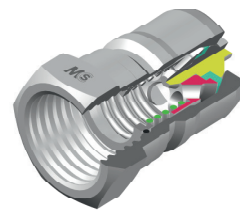
Codice Femmina Female Code	Ø A Inch.
FC04	1/4"
FC06	3/8"
FC08	1/2"
FC12	3/4"
FC16	1"
FC20	1,1/4"
FC24	1,1/2"
FC32	2"

INNESTI RAPIDI VALVOLATI CON BLOCCAGGIO A SFERE

Norma ISO 7241-1 "B" - Acciaio Inox AISI 316

QUICK-RELEASE COUPLINGS

ISO 7241-1 "B" Standard - AISI 316 Stainless Steel



DATI TECNICI TECHNICAL DATA

PERDITE DI CARICO PRESSURE DROP

Nominal size				Max working pressure	Rated Flow	Max Flow rate	Min burst pressure			Fluid spillage
DN	BG	ISO	mm	Mpa	l/min	l/min	Male	Female	Coupled	cc
04	0	5.0	4.2	50	3	9	240	230	270	0.5
06	1	6.3	6,5	25	12	24	110	180	100	1
10	2	10	8,5	25	23	46	140	140	130	2,4
13	3	12.5	10,5	25	45	90	110	140	110	3,9
20	4	19	15,8	25	106	220	100	130	120	11
25	5	25	17,3	20	189	260	100	110	100	19
39	7	40	36	6	379	757	25	25	25	95
50	8	50	50	5	757	1000	20	20	20	170

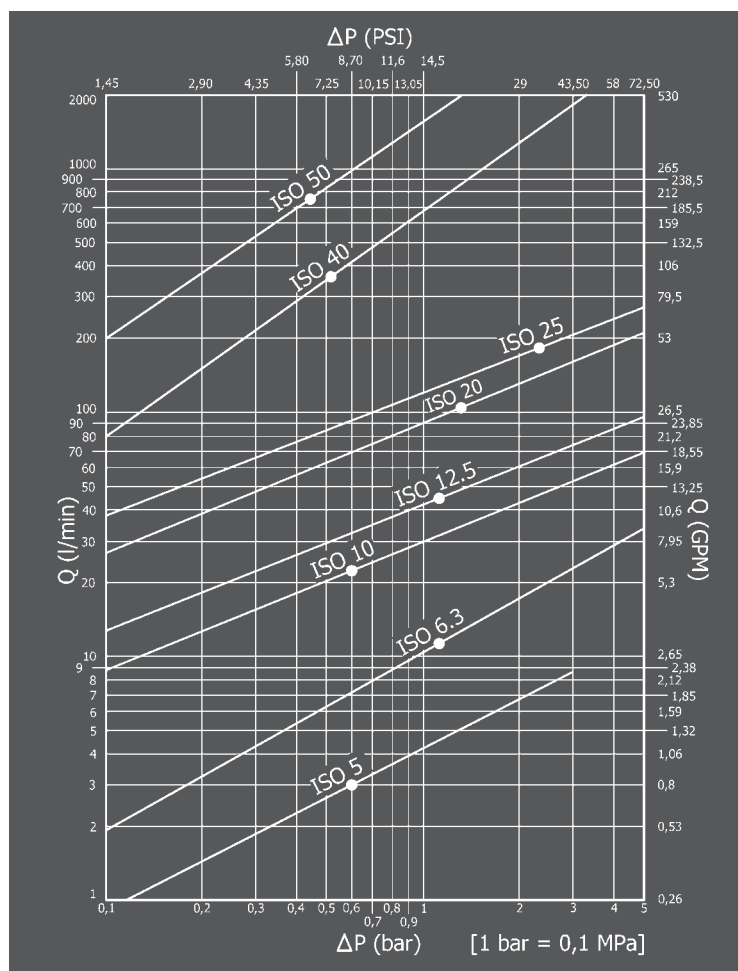
In particolare per ogni dimensione viene indicato:

- il passaggio (in millimetri)
 - la pressione massima di esercizio (in MPa)
 - la portata nominale e la portata massima (in litri al minuto)
 - la pressione minima di scoppio (in MPa) sia con le parti innestate che disinnestate
 - lo spillaggio, ovvero la perdita di fluido in fase di disinnesto (in cc)
- Tutte le unità di misura sono espresse secondo il sistema metrico decimale (Sistema Internazionale).

The following values are indicated for each size of coupling:

- The passage (millimetres)
- The maximum working pressure (MPa)
- Nominal flow and maximum flow rate (liters per minute)
- The minimum burst pressure (MPa), coupled and uncoupled
- The spillage, or fluid loss during disconnection (cc)

All units are given according to the metric system (International System).



INNESTI RAPIDI A FACCIA PIANA

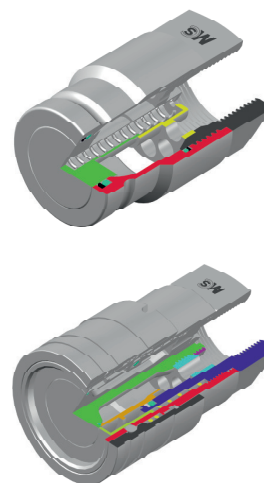
Norma ISO 16028 - Acciaio Inox AISI 316

FLAT FACE COUPLINGS

ISO 16028 Standard - AISI 316 Stainless Steel

DATI TECNICI TECHNICAL DATA

PERDITE DI CARICO PRESSURE DROP



Nominal size				Max working pressure	Rated Flow	Max Flow rate	Min burst pressure			Fluid spillage
DN	BG	ISO	mm	Mpa	l/min	l/min	Male MPa	Female MPa	Coupled MPa	cc
06	1	6.3	6	30	12	24	180	120	140	0,008
13	2	10	8,6	25	23	46	160	100	160	0,010
20	3	12.5	10,7	25	45	90	150	110	190	0,012
25	4	19	14,8	25	100	200	140	110	140	0,020
30	5	25	17,6	25	189	280	130	100	140	0,030
39	7	40	30	25	379	700	120	120	110	0,050
50	8	50	40,6	25	757	1000	100	100	100	0,100

In particolare per ogni dimensione viene indicato:

- il passaggio (in millimetri)
 - la pressione massima di esercizio (in MPa)
 - la portata nominale e la portata massima (in litri al minuto)
 - la pressione minima di scoppio (in MPa) sia con le parti innestate che disinnestate
 - lo spillaggio, ovvero la perdita di fluido in fase di disinnesto (in cc)
- Tutte le unità di misura sono espresse secondo il sistema metrico decimale (Sistema Internazionale).

The following values are indicated for each size of coupling:

- The passage (millimetres)
 - The maximum working pressure (MPa)
 - Nominal flow and maximum flow rate (liters per minute)
 - The minimum burst pressure (MPa), coupled and uncoupled
 - The spillage, or fluid loss during disconnection (cc)
- All units are given according to the metric system (International System).

