

103 SERIES ISO-B

CARBON STEEL
STAINLESS STEEL
BRASS

Manufactured according to ISO 7241-B norm

TECHNICAL SPECIFICATIONS

Operating pressure:	Up to 400 Bar	
Materials:	Body:	Carbon Steel EN 10277-3 SS316 / Brass
	O-rings:	NBR / VITON / EPDM
	Back-up-ring:	PTFE
	Springs:	EN 10270-3/-1/SH
	Balls:	AISI 1010/1015 / 316
Available Threads:	BSP / NPTF / ISO 11926 (J1926)*	
Closing System:	Poppet Valve or ball	
Connection: **Disconnection:**	Sleeve Retraction & Press to conect Sleeve Retraction	
Connection Under Pressure:	Not Allowed	
Applications:	Designed for Hydraulic Oil (Group II-2014/68/EU)	
Interchange:	FASTER H / PARKER 60 AEROQUIP FD45 / SNAP-TITE 72	

Available Size: 1/4" a 2"

Working Temperature (O-rings)

	NBR	Viton	EPDM
	+100ºC	+200ºC	+150ºC
	-30ºC	-10ºC	-40ºC

Sectors:

Carbon Steel → Industrial



Stainless Steel → Industrial / Chemical / Offshore



**Others upon request.*

MODEL STRUCTURE

Example:

103.21122 BC

Series	Material	Part	Closing	O-rings	Size (S)		Thread
103.	**1** Carbon St.	**1** Male	**0** Without	**0** Without	**0** 4	1/8"	2 letters (see Table of Threads page 999-1)
	2 SS316	**2** Female	**1** Poppet	**1** NBR	**1** 6	1/4"	
	4 Brass		**2** Ball	**2** VITON	**2** 10	3/8"	
				3 EPDM	**3** 13	1/2"	
					4 20	3/4"	
					5 25	1"	
					7 40	1 1/2"	
					8 50	2"	

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103 SERIES C.U.R.P.

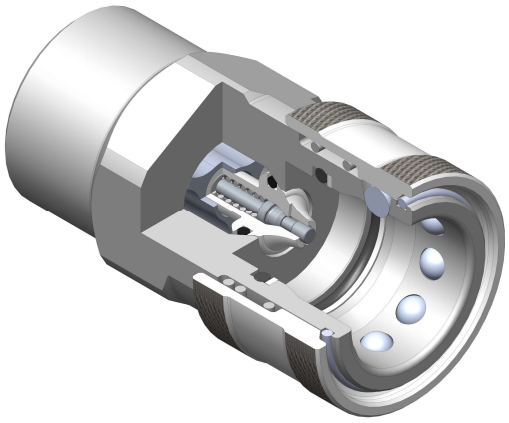
CARBON STEEL

C.U.R.P. MODELS

Example:

103.11313 JE

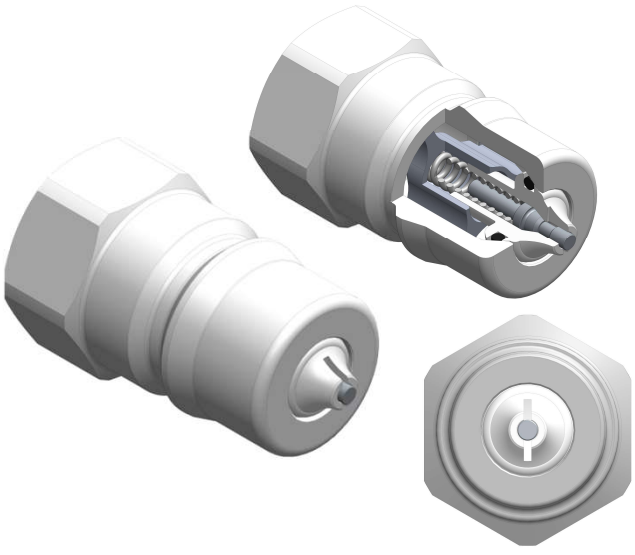
Series	Material	Part	Closing	O-rings	Size (S)	Thread
101.	**1** Carbon St..	**1** Male	**3** C.U.R.P	**0** Without	**3** 13 ⋮ 1/2"	2 letters (see Table of Threads page 999-1)
102.		**2** Female		**1** NBR		
103.				**2** VITON		
				3 EPDM		



Allowed C.U.R.P. models abilable to connect under residual preasure.

Only on series:

(S)	SERIES
13	101
	102
	103

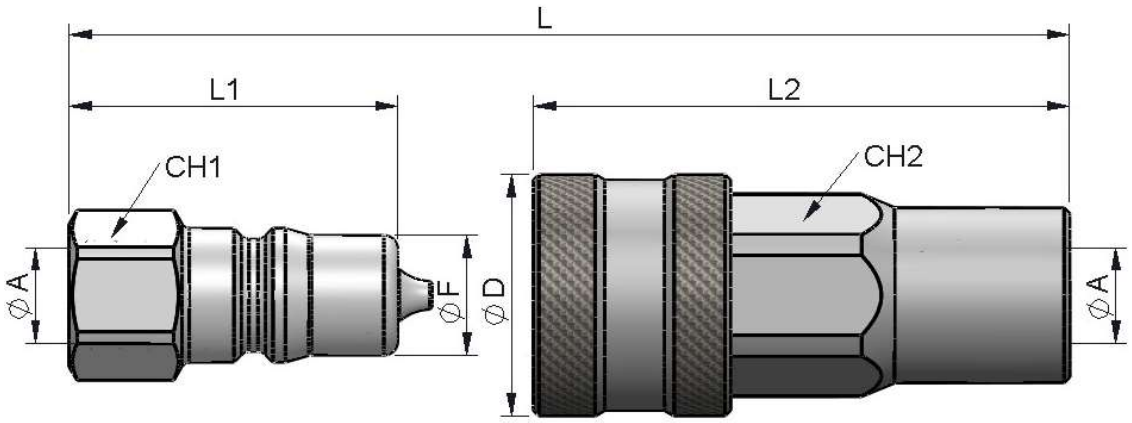


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103 SERIES
ISO-B CARBON STEEL

(S) 04 - 1/8"



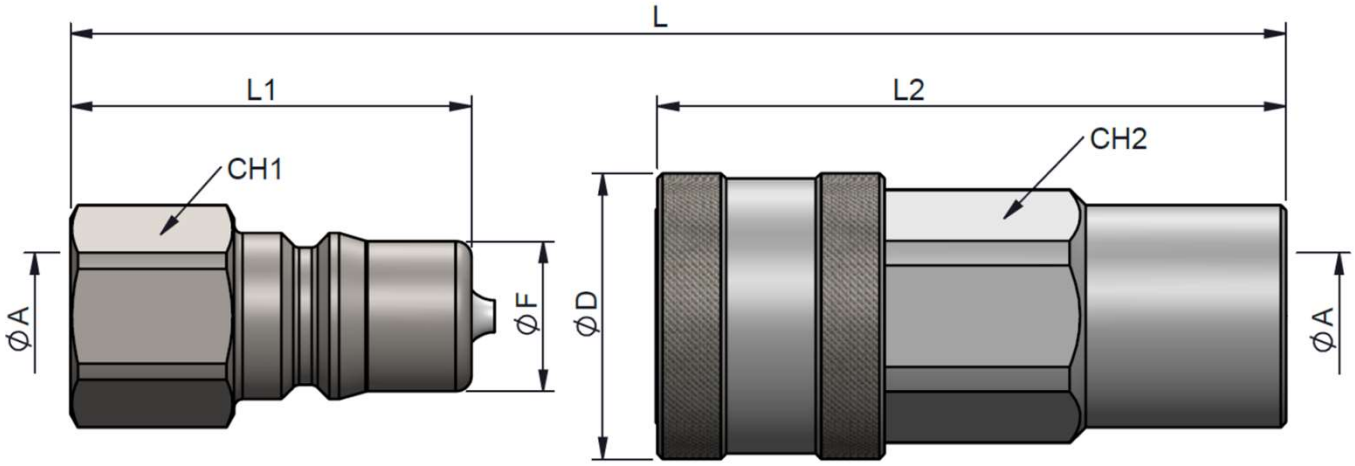
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
04	1/8" BSP	103.11110AA	400	14	30	10.90	60
	1/8" NPTF	103.11110BA					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
04	1/8" BSP	103.12110AA	400	19	49	22	60
	1/8" NPTF	103.12110BA					

(S) 06 - 1/4"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
6	1/4" BSP	103.11111AB	380	19	38	14.20	76
	1/4" NPTF	103.11111BB					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
6	1/4" BSP	103.12111AB	380	22	59.55	27	76
	1/4" NPTF	103.12111BB					

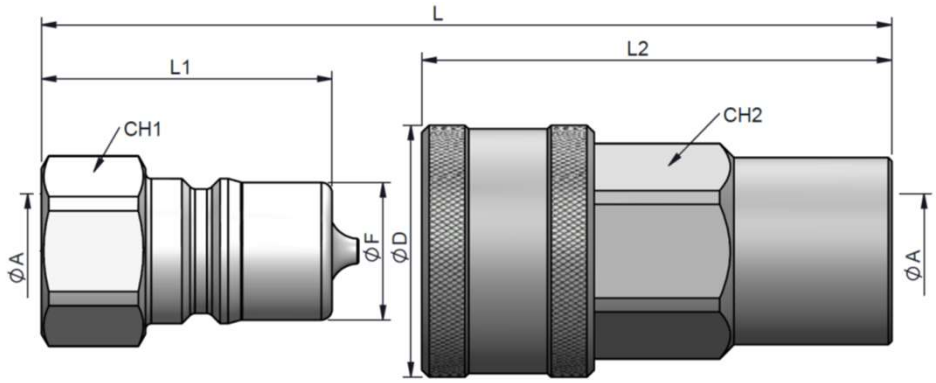
L= Total length when Male and Female are connected.

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103 SERIES
ISO-B CARBON STEEL

(S) 10 - 3/8"



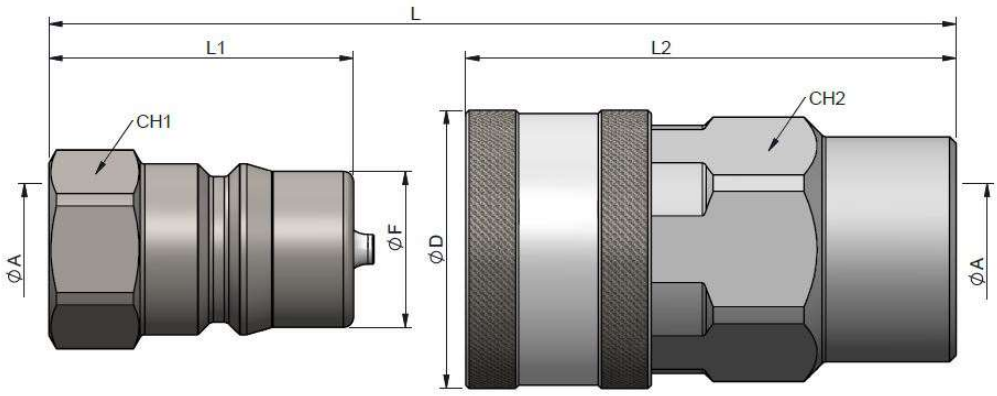
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
10	3/8" BSP	103.11112AC	350	24	40.50	19.10	81
	3/8" NPTF	103.11112BC					
	3/4"-16h UNF (ORB)	103.11112GF					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
10	3/8" BSP	103.12112AC	350	27	65.50	35	81
	3/8" NPTF	103.12112BC					
	3/4"- 16h UNF (ORB)	103.12112GF					

(S) 13 - 1/2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
13	1/2" BSP	103.11113AD	320	27	46	23.55	92
	1/2" NPTF	103.11113BD					
	3/4"-16h UNF (ORB)	103.11113GF					
	7/8"-14h UNF (ORB)	103.11113GH					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
13	1/2" BSP	103.12113AD	320	36	74	42	92
	1/2" NPTF	103.12113BD					
	3/4"-16h UNF (ORB)	103.12113GF					
	7/8"-14h UNF (ORB)	103.12113GH					

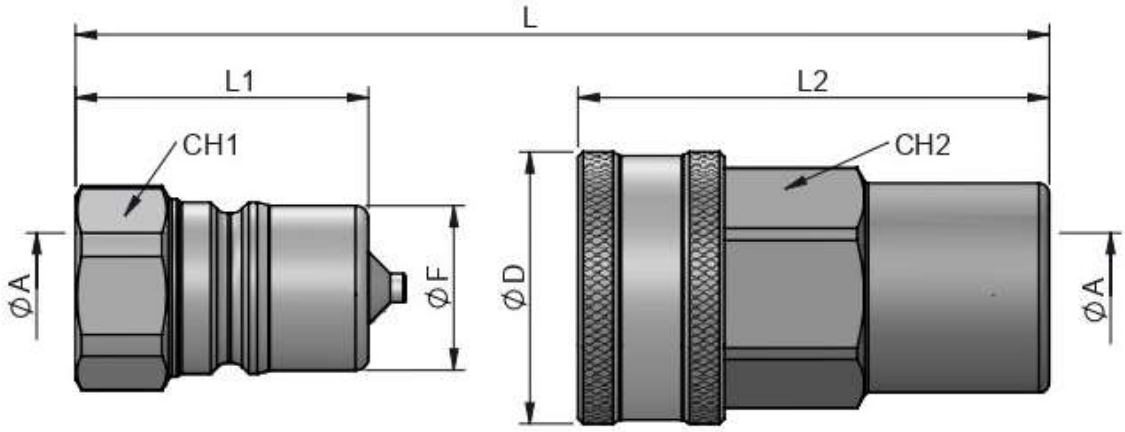
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103 SERIES
ISO-B CARBON STEEL

(S) 20 - 3/4"



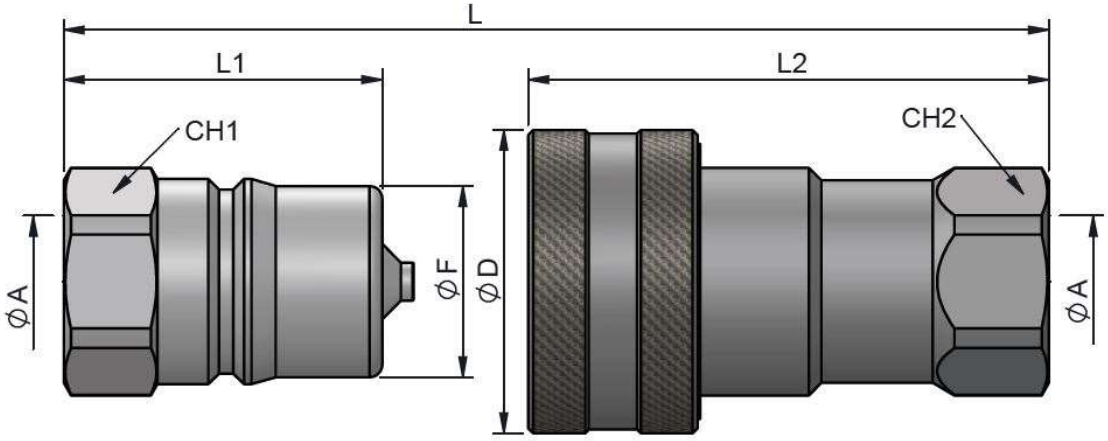
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
20	3/4" BSP	103.11114AE	300	36	56	31.45	112
	3/4" NPTF	103.11114BE					
	1 1/16"– 12h UN (ORB)	103.11114GK					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
20	3/4" BSP	103.12114AE	300	41	90	52	112
	3/4" NPTF	103.12114BE					
	1 1/16"– 12h UN (ORB)	103.12114GK					

(S) 25 - 1"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
25	1" BSP	103.11115AF	280	41	63	37.80	126
	1" NPTF	103.11115BF					
	1 5/16"-12h UN (ORB)	103.11115GO					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
25	1" BSP	103.12115AF	280	41	103	60	126
	1" NPTF	103.12115BF					
	1 5/16"-12h UN (ORB)	103.12115GO					

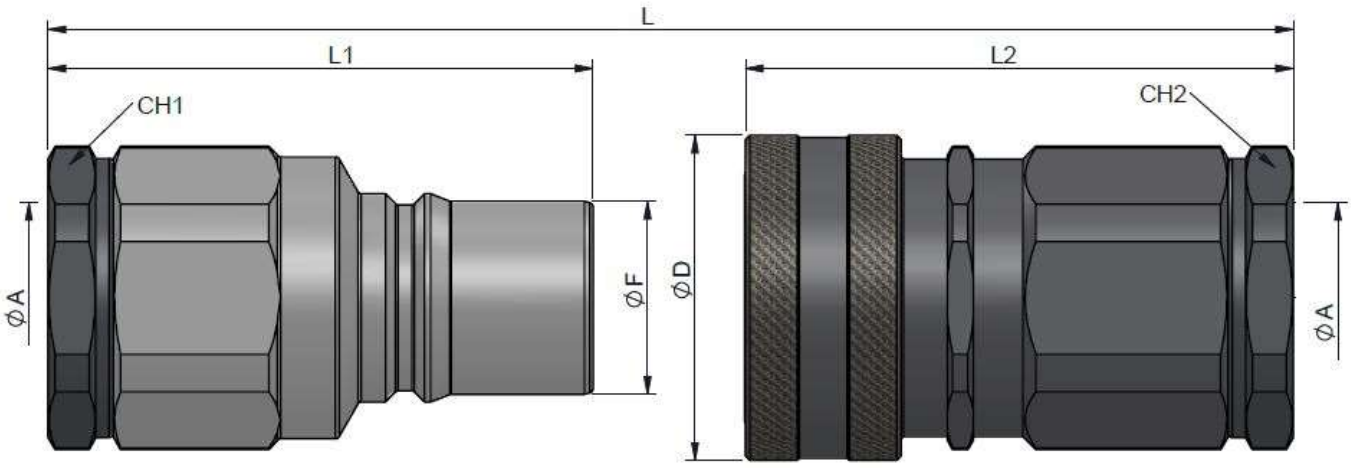
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103 SERIES
ISO-B CARBON STEEL

(S) 40 - 1 1/2”



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
40	1 1/4” BSP	103.11117AG	140	65	126	44.50	252
	1 1/4” NPTF	103.11117BG					
	1 1/2” BSP	103.11117AH					
	1 1/2” NPTF	103.11117BH					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
40	1 1/4” BSP	103.12117AG	140	65	127	75	252
	1 1/4” NPTF	103.12117BG					
	1 1/2” BSP	103.12117AH					
	1 1/2” NPTF	103.12117BH					

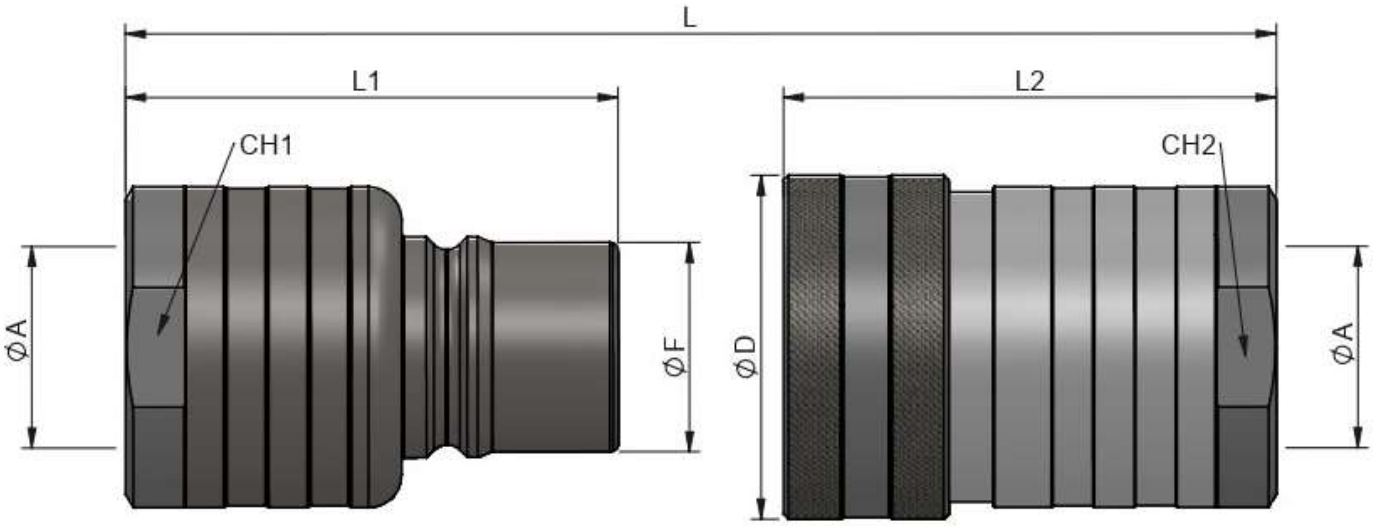
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103 SERIES
ISO-B CARBON STEEL

(S) 50 - 2”



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
50	2” BSP	103.11118AI	100	90	149	63.27	262
	2” NPTF	103.11118BI		90			
	2 1/2” BSP	103.11118AJ		100			
	2 1/2” NPTF	103.11118BJ		100			
	3” BSP	103.11118AK		100			
	3” NPTF	103.11118BK		100			

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
50	2” BSP	103.12118AI	100	90	149	104	262
	2” NPTF	103.12118BI		90			
	2 1/2” BSP	103.12118AJ		100			
	2 1/2” NPTF	103.12118BJ		100			
	3” BSP	103.12118AK		100			
	3” NPTF	103.12118BK		100			

L= Total length when Male and Female are connected.

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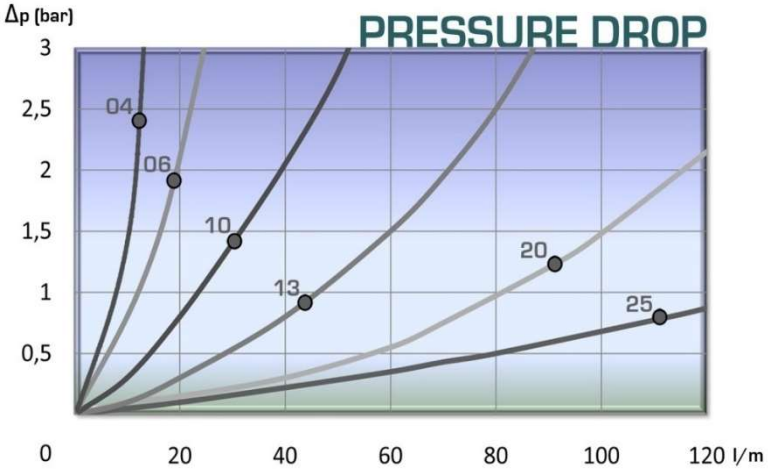


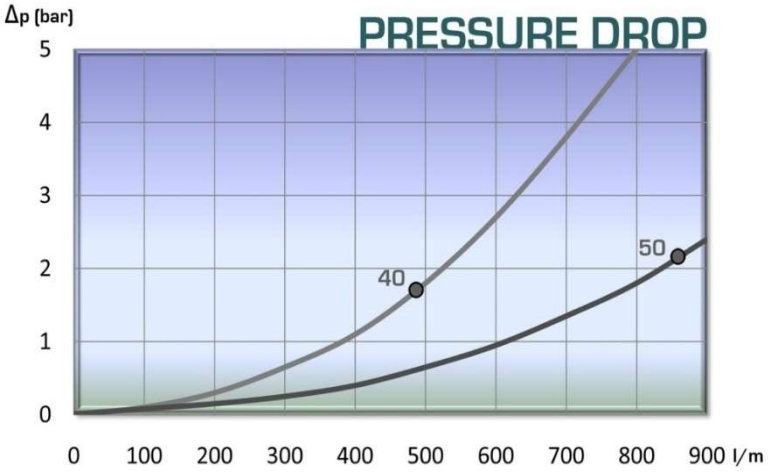
103 SERIES
ISO-B CARBON STEEL

TECHNICAL DATA

(S)	Rated Flow	Min Burst Pressure (Bar)			Max. Working Pressure
		Male	Female	Coupled	Bar
04	7 l/m	1650	1750	1600	400
6	15 l/m	1650	1800	1520	380
10	35 l/m	1580	1580	1400	350
13	47 l/m	1310	1450	1280	320
20	93 l/m	1310	1380	1200	300
25	118 l/m	1200	1400	1120	280
40	480 l/m	550	560	560	140
50	890 l/m	370	410	400	100

Test performed according to ISO 18869



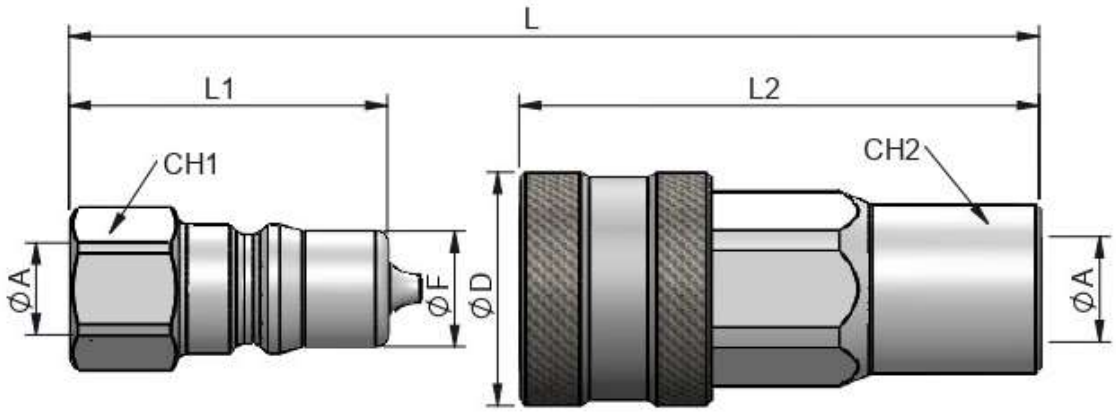


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103 SERIES
ISO-B SS316

(S) 04 - 1/8"



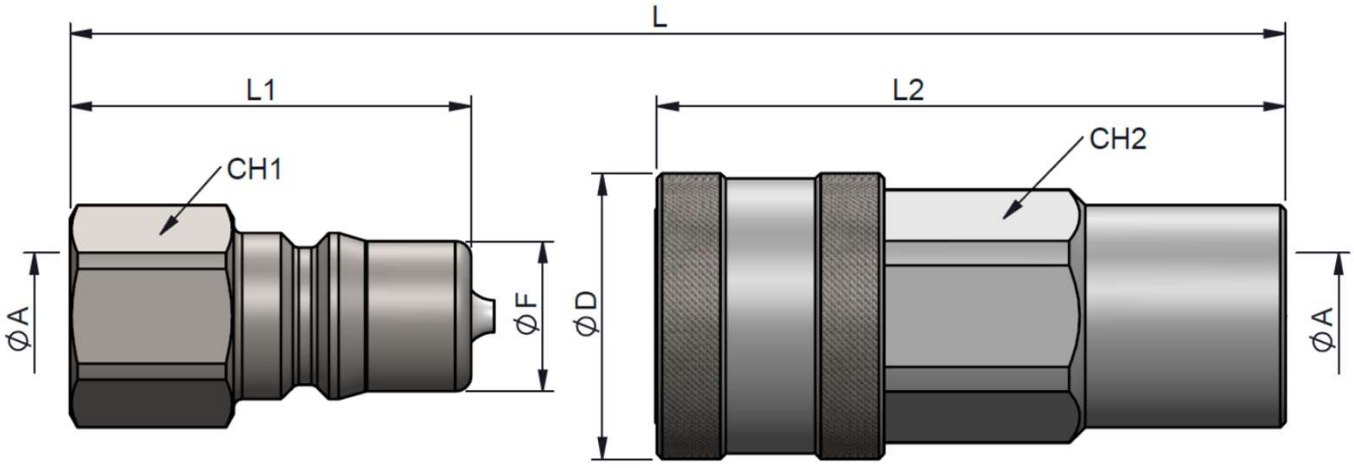
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
04	1/8" BSP	103.21120AA	320	14	30	10.90	60
	1/8" NPTF	103.21120BA					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
04	1/8" BSP	103.22120AA	320	19	49	22	60
	1/8" NPTF	103.22120BA					

(S) 06 - 1/4"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
6	1/4" BSP	103.21121AB	300	19	38	14.20	76
	1/4" NPTF	103.21121BB					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
6	1/4" BSP	103.22121AB	300	22	59.55	27	76
	1/4" NPTF	103.22121BB					

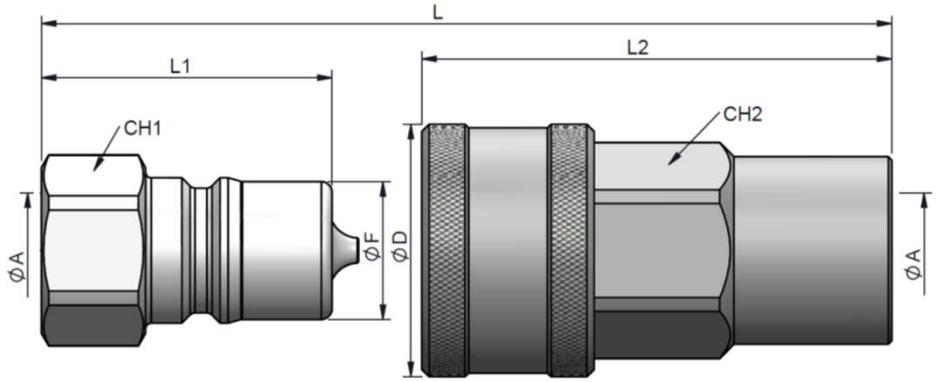
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103 SERIES
ISO-B SS316

(S) 10 - 3/8"



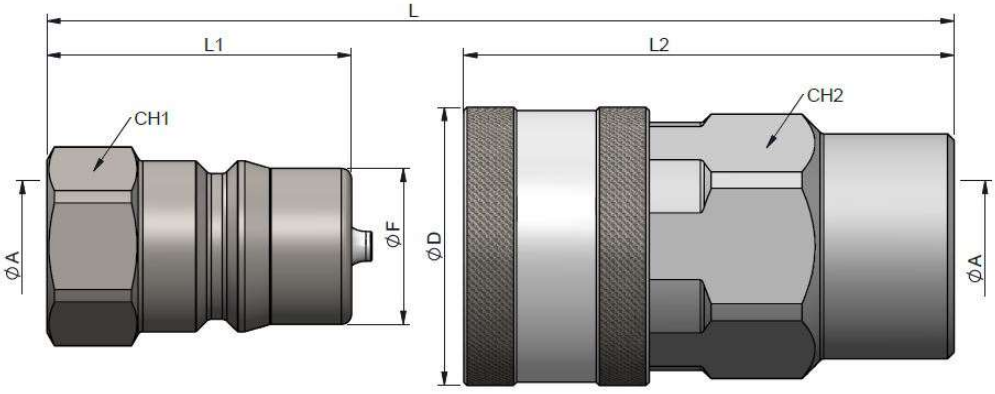
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
10	3/8" BSP	103.21122AC	280	24	40.50	19.10	81
	3/8" NPTF	103.21122BC					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
10	3/8" BSP	103.22122AC	280	27	65.50	35	81
	3/8" NPTF	103.22122BC					

(S) 13 - 1/2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
13	1/2" BSP	103.21123AD	260	27	46	23.55	92
	1/2" NPTF	103.21123BD					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
13	1/2" BSP	103.22123AD	260	36	74	42	92
	1/2" NPTF	103.22123BD					

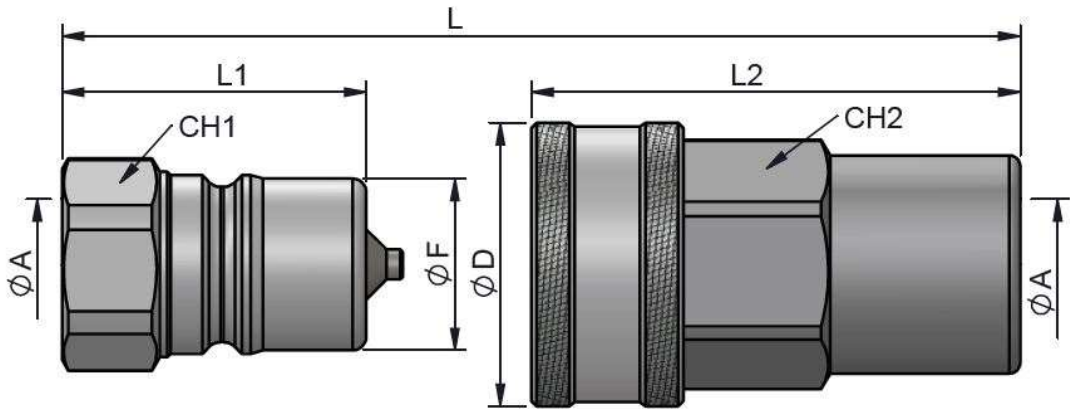
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103 SERIES
ISO-B SS316

(S) 20 - 3/4"



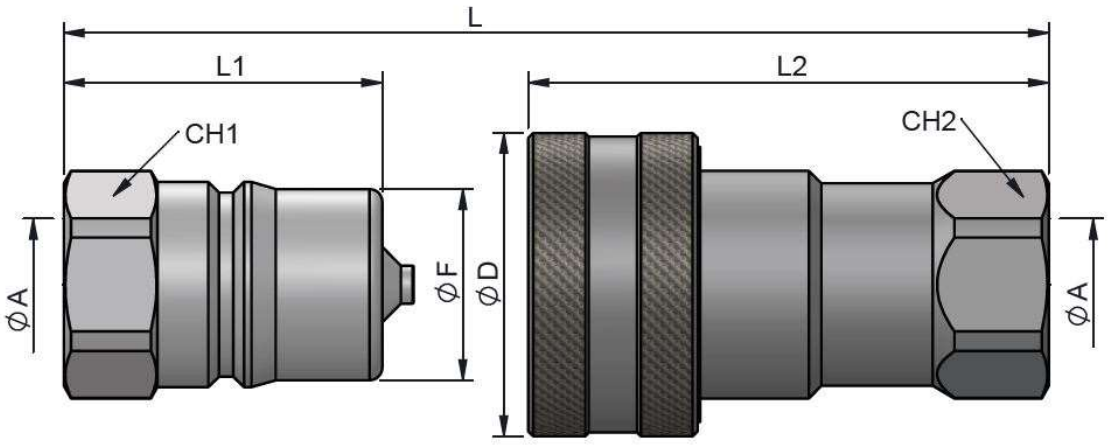
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
20	3/4" BSP	103.21124AE	250	36	56	31.45	112
	3/4" NPTF	103.21124BE					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
20	3/4" BSP	103.22124AE	250	41	90	52	112
	3/4" NPTF	103.22124BE					

(S) 25 - 1"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
25	1" BSP	103.21125AF	210	41	63	37.80	126
	1" NPTF	103.21125BF					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
25	1" BSP	103.22125AF	210	41	103	60	126
	1" NPTF	103.22125BF					

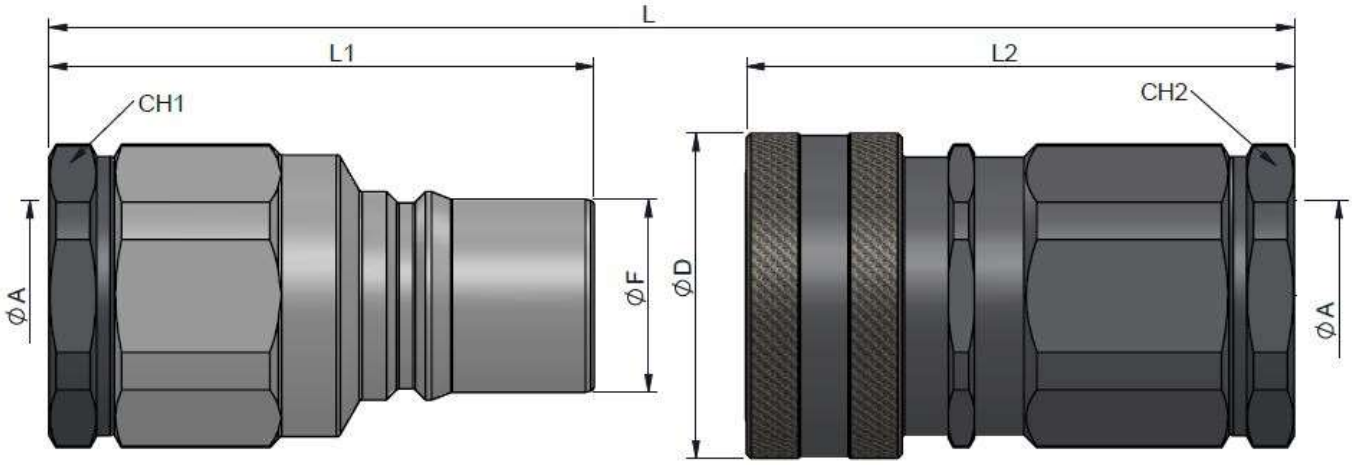
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103 SERIES
ISO-B SS316

(S) 40 - 1 1/2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
38	1 1/4" BSP	103.21127AG	120	65	126	44.50	252
	1 1/4" NPTF	103.21127BG					
	1 1/2" BSP	103.21127AH					
	1 1/2" NPTF	103.21127BH					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
38	1 1/4" BSP	103.22127AG	120	65	126.80	75	252
	1 1/4" NPTF	103.22127BG					
	1 1/2" BSP	103.22127AH					
	1 1/2" NPTF	103.22127BH					

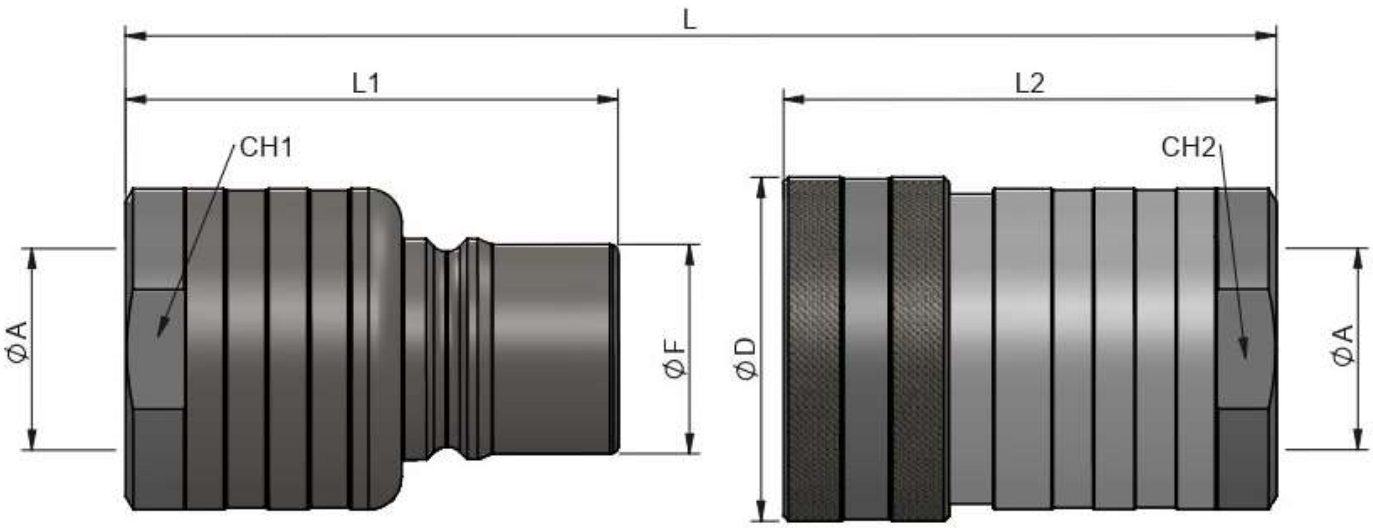
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103 SERIES
ISO-B SS316

(S) 50 - 2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
50	2" BSP	103.21128AI	100	90	149	63.27	262
	2" NPTF	103.21128BI		90			
	2 1/2" BSP	103.21128AJ		100			
	2 1/2" NPTF	103.21128BJ		100			
	3" BSP	103.21128AK		100			
	3" NPTF	103.21128BK		100			

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
50	2" BSP	103.22128AI	100	90	149	104	262
	2" NPTF	103.22128BI		90			
	2 1/2" BSP	103.22128AJ		100			
	2 1/2" NPTF	103.22128BJ		100			
	3" BSP	103.22128AK		100			
	3" NPTF	103.22128BK		100			

L= Total length when Male and Female are connected.

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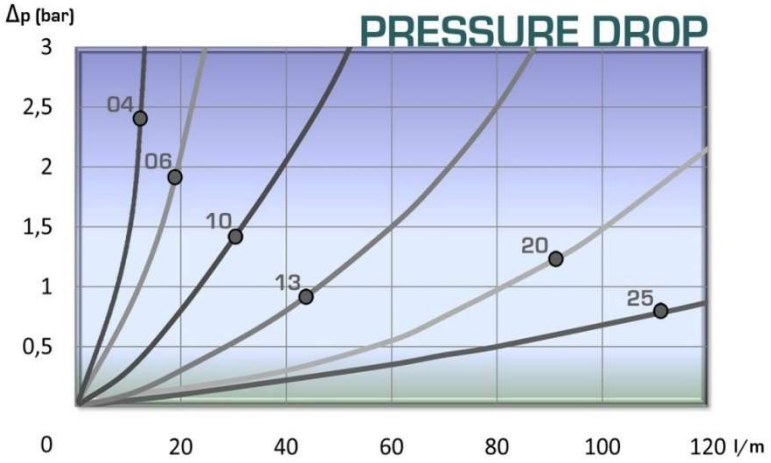


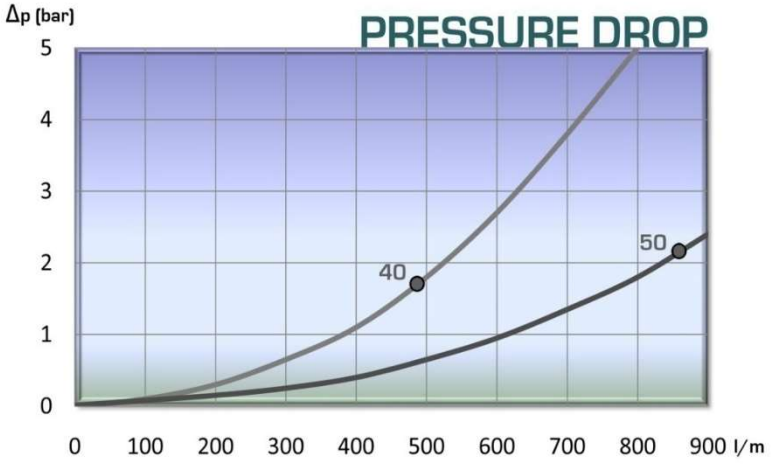
103 SERIES
ISO-B SS316

TECHNICAL DATA

(S)	Rated Flow	Min Burst Pressure (Bar)			Max. Working Pressure
		Male	Female	Coupled	Bar
4	7 l/min	1300	1300	1325	320
6	15 l/min	1150	1200	1250	280
10	35 l/min	1060	1075	1200	260
13	47 l/min	1050	1150	1200	260
20	93 l/min	855	875	900	210
25	118 l/min	850	875	900	210
40	480 l/min	480	500	600	120
50	890 l/min	405	415	550	100

Test performed according to ISO 18869



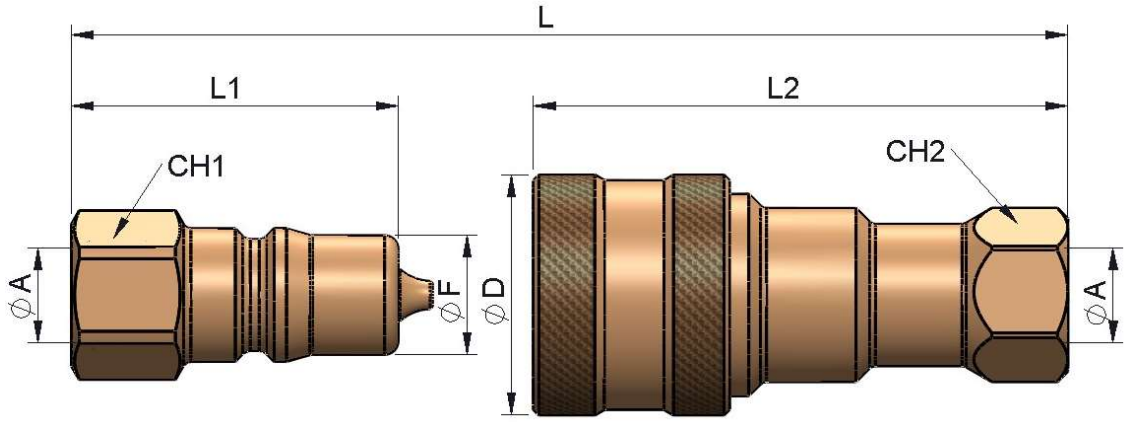


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103 SERIES
ISO-B BRASS

(S) 04 - 1/8"



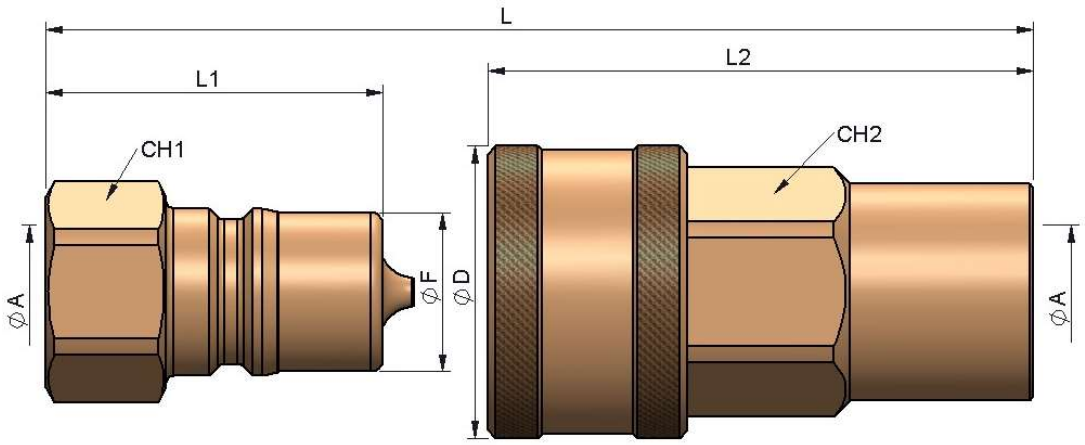
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
04	1/8" BSP	103.41120AA	250	14	30	10.90	60
	1/8" NPTF	103.41120BA					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
04	1/8" BSP	103.42120AA	250	19	49	22	60
	1/8" NPTF	103.42120BA					

(S) 06 - 1/4"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
6	1/4" BSP	103.41121AB	200	19	38	14.20	76
	1/4" NPTF	103.41121BB					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
6	1/4" BSP	103.42121AB	200	22	59.55	27	76
	1/4" NPTF	103.42121BB					

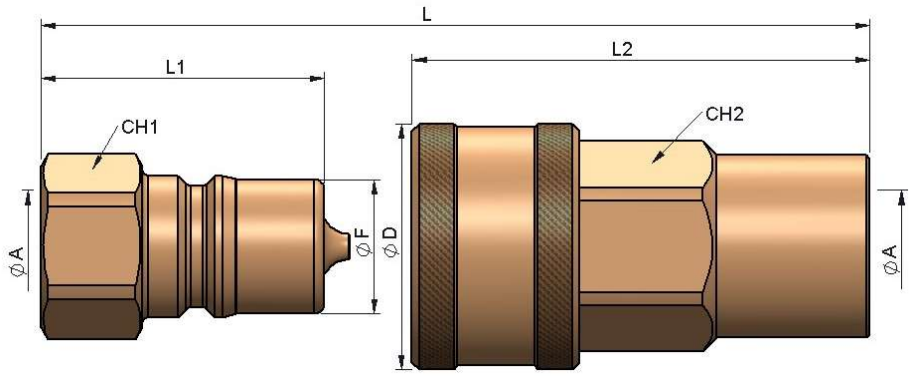
L= Total length when Male and Female are connected.

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103 SERIES
ISO-B BRASS

(S) 10 - 3/8"



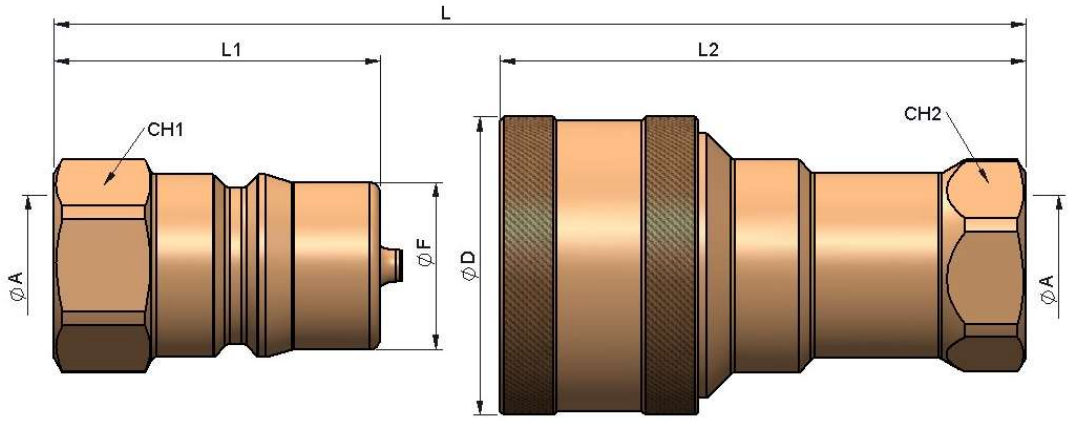
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
10	3/8" BSP	103.41122AC	200	24	40.50	19.10	81
	3/8" NPTF	103.41122BC					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
10	3/8" BSP	103.42122AC	200	27	65.50	35	81
	3/8" NPTF	103.42122BC					

(S) 13 - 1/2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
13	1/2" BSP	103.41123AD	200	27	46	23.55	92
	1/2" NPTF	103.41123BD					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
13	1/2" BSP	103.42123AD	200	36	74	42	92
	1/2" NPTF	103.42123BD					

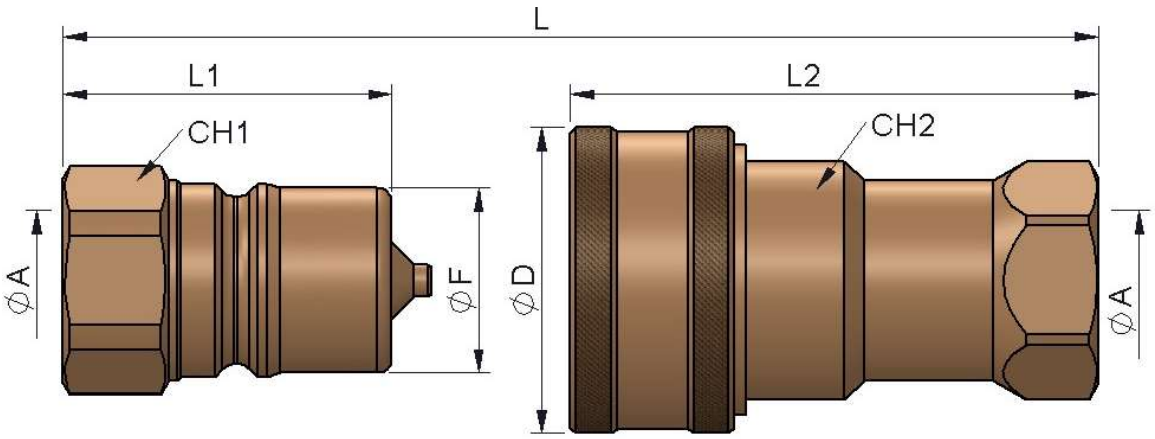
L= Total length when Male and Female are connected.

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103 SERIES
ISO-B BRASS

(S) 20 - 3/4"



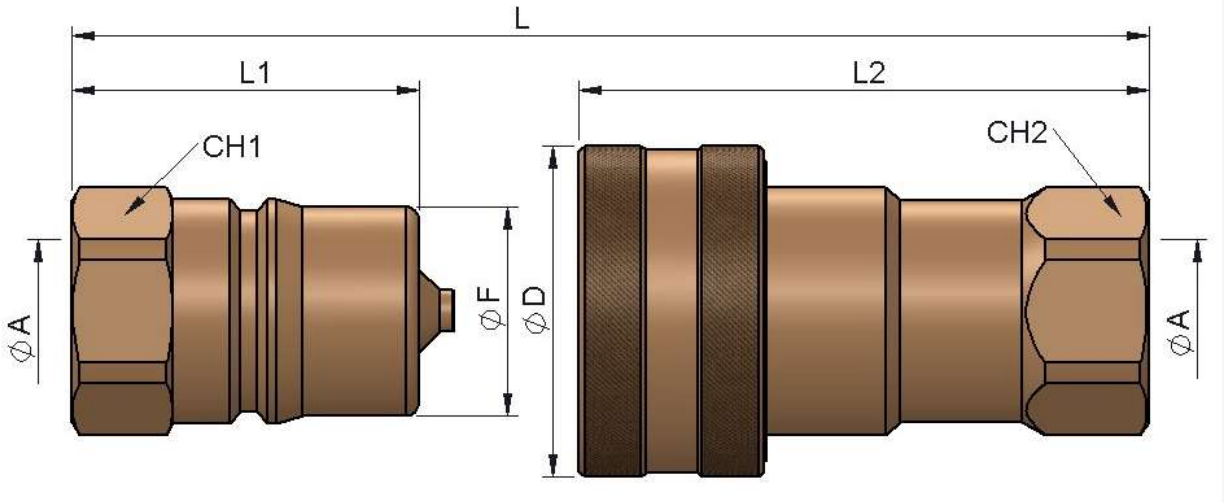
STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
20	3/4" BSP	103.41124AE	150	36	56	31.45	112
	3/4" NPTF	103.41124BE					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
20	3/4" BSP	103.42124AE	150	41	90	52	112
	3/4" NPTF	103.42124BE					

(S) 25 - 1"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
25	1" BSP	103.41125AF	180	41	63	37.80	126
	1" NPTF	103.41125BF					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
25	1" BSP	103.42125AF	180r	41	103	60	126
	1" NPTF	103.42125BF					

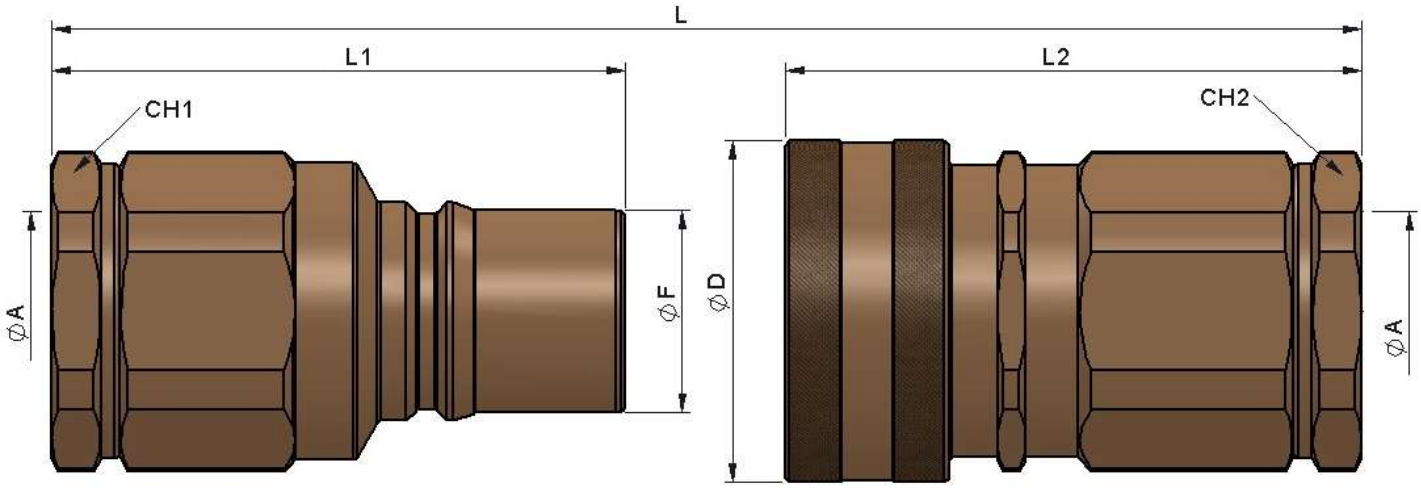
L= Total length when Male and Female are connected.

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103 SERIES
ISO-B BRASS

(S) 40 - 1 1/2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
40	1 1/4" BSP	103.41127AG	85	65	126	44.50	252
	1 1/4" NPTF	103.41127BG					
	1 1/2" BSP	103.41127AH					
	1 1/2" NPTF	103.41127BH					

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
40	1 1/4" BSP	103.42127AG	85	65	126.80	75	252
	1 1/4" NPTF	103.42127BG					
	1 1/2" BSP	103.42127AH					
	1 1/2" NPTF	103.42127BH					

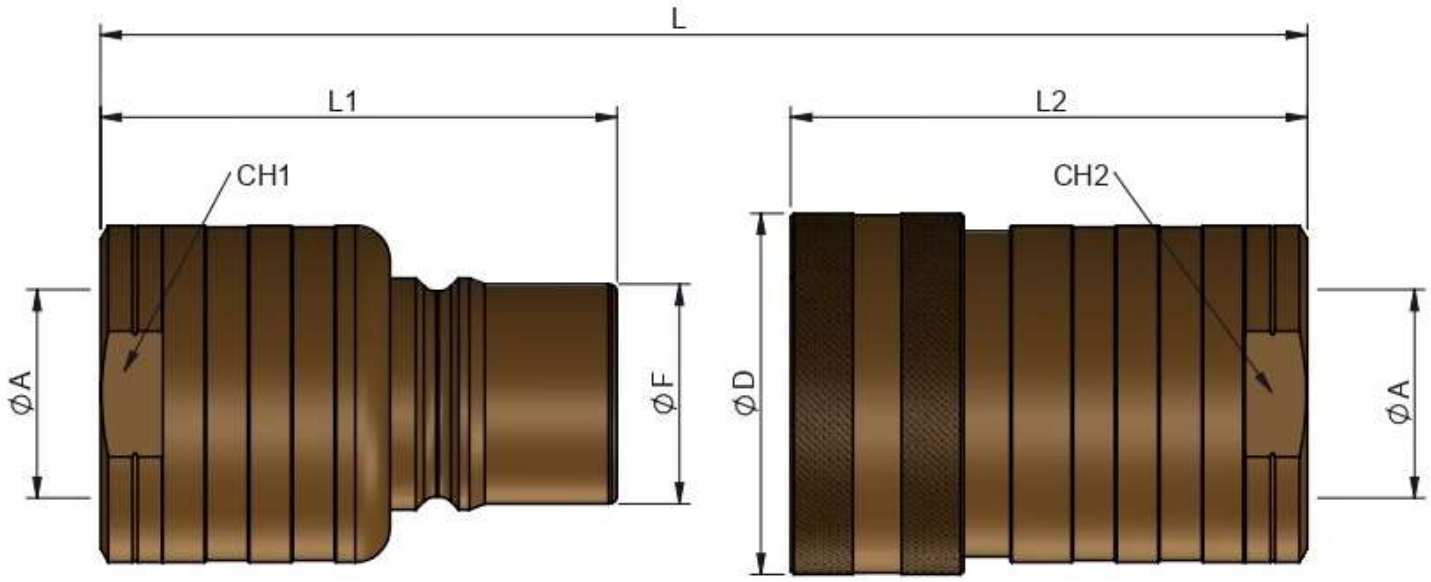
L= Total length when Male and Female are connected.

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103 SERIES
ISO-B BRASS

(S) 50 - 2"



STANDARD MALE MODELS

(S)	ØA	REF.		CH1	L1	ØF	L
50	2" BSP	103.41128AI	100	90	149	63.27	262
	2" NPTF	103.41128BI		90			
	2 1/2" BSP	103.41128AJ		100			
	2 1/2" NPTF	103.41128BJ		100			
	3" BSP	103.41128AK		100			
	3" NPTF	103.41128BK		100			

STANDARD FEMALE MODELS

(S)	ØA	REF.		CH2	L2	ØD	L
50	2" BSP	103.42128AI	100	90	149	104	262
	2" NPTF	103.42128BI		90			
	2 1/2" BSP	103.42128AJ		100			
	2 1/2" NPTF	103.42128BJ		100			
	3" BSP	103.42128AK		100			
	3" NPTF	103.42128BK		100			

L= Total length when Male and Female are connected.

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103 SERIES ISO-B PLUGS & CAPS

Designed to protect female (coupler) and male (nipple) parts while they are disconnected.
Manufacured according to ISO 7241-B norm

MODEL STRUCTURE / DIMENSIONS

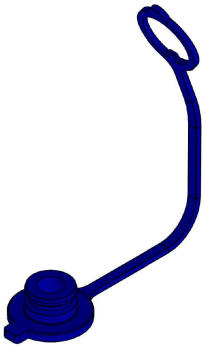
Example:

103.5321 AA

Series	Material*	Part	Color	Size (S)		Type
103.	**5** Plastic	**3** Plug	**0** Plain Metal	**0** 4	1/8”	AA
	6 Aluminum	**4** Cap	**1** Red	**1** 6	1/4”	
			2 Blue	**2** 10	3/8”	
			3 Yellow	**3** 13	1/2”	
			4 Green	**4** 20	3/4”	
			5 Black	**5** 25	1”	
			6 White	**7** 38	1 1/2”	
				8 50	2”	

* Other materials on request.

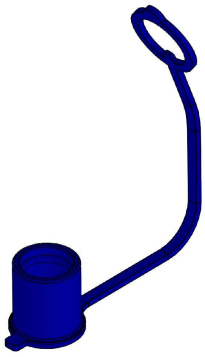
(S) 4 – (S) 25 – PLASTIC



PLUG (COUPLER)

(S)	RED	BLUE	YELLOW	GREEN	BLACK	WHITE
4	*	103.5320AA	*	*	*	*
6	*	103.5321AA	*	*	*	*
10	*	103.5322AA	*	*	*	*
13	*	103.5323AA	*	*	*	*
20	*	103.5324AA	*	*	*	*
25	*	103.5325AA	*	*	*	*

* Not available.



CAP (NIPPLE)

(S)	RED	BLUE	YELLOW	GREEN	BLACK	WHITE
4	*	103.5420AA	*	*	*	*
6	*	103.5421AA	*	*	*	*
10	*	103.5422AA	*	*	*	*
13	*	103.5423AA	*	*	*	*
20	*	103.5424AA	*	*	*	*
25	*	103.5425AA	*	*	*	*

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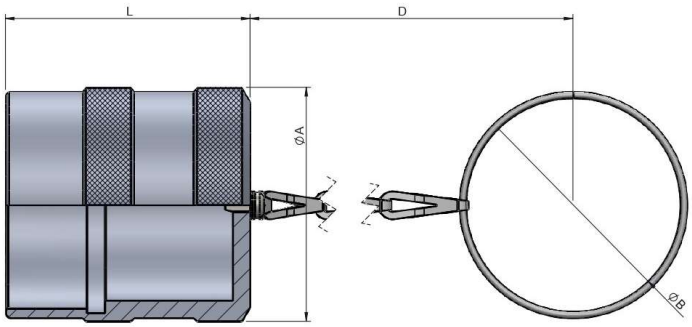


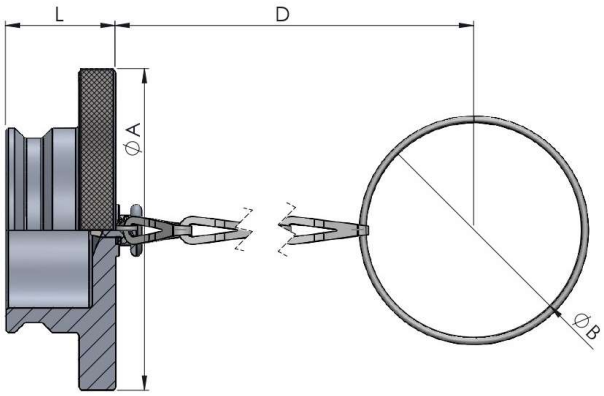
103 SERIES ISO-B

CAPS & PLUGS

Designed to protect female (coupler) and male (nipple) parts while they are disconnected.
Manufacured according to ISO 7241-B norm

(S) 32 – (S) 50 – ALUMINUM





CAP (NIPPLE)

(S)	ØA	REF.	ØB	L	D
38	60	103.6407AA	70	60	609.5
50	78	103.6408AA	98	65	575.5

PLUG (COUPLER)

(S)	ØA	REF.	ØB	L	D
38	75	103.6307AA	68	26	609.5
50	105	103.6308AA	98	32.4	575.5

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