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D

C

B

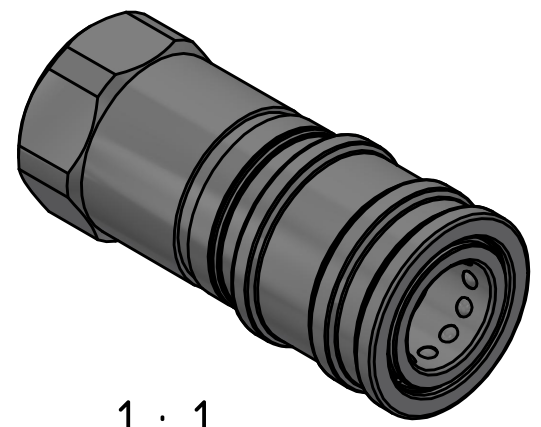
A

D

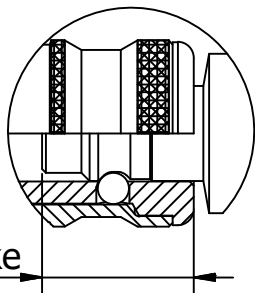
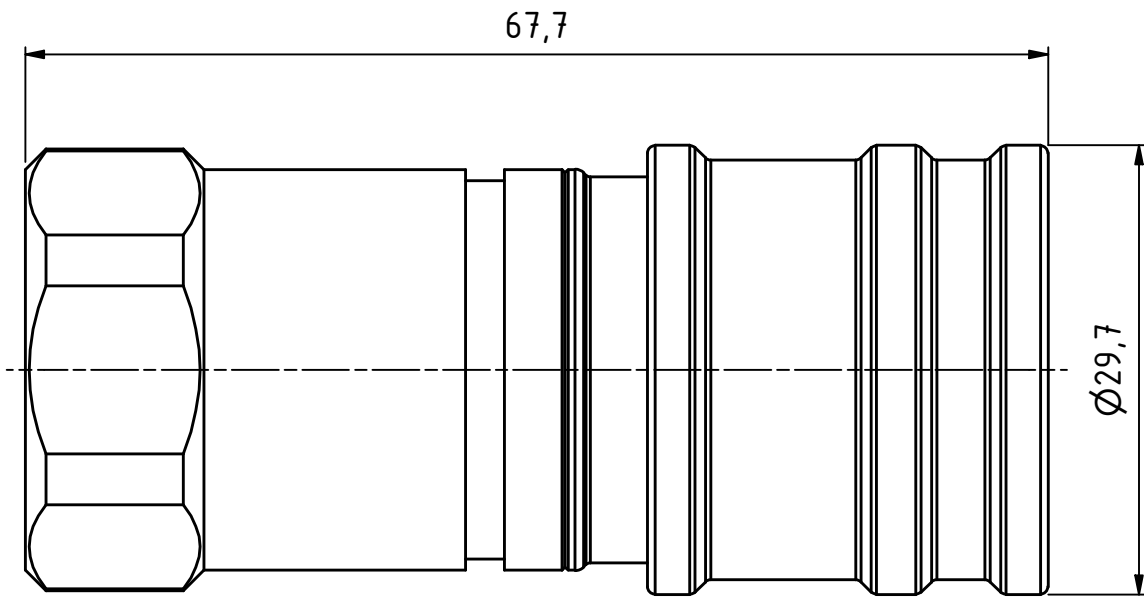
C

B

A



1 : 1



Connection stroke

*) Individual code of practice and application to be considered. For heavy duty applications, use of thread locking fluid improves torque break free value.



Back part G 1/2" fem	Acid-proof steel				
Spring	Acid-proof steel				
Valve pin	Acid-proof steel				
Stop for valve	Acid-proof steel				
O-ring	EPDM				
Valve sleeve	Acid-proof steel				
Ball	Acid-proof steel				
Locking ring	Acid-proof steel				
Spring	Acid-proof steel				
Locking sleeve	Acid-proof steel				
Coupling body	Acid-proof steel				
O-ring	EPDM				
O-ring	EPDM				
Description		Material			
Scale	2 : 1	Drawn	CABMBA	Checked	JOJ
Appr.	PMB	ECO			
Drawing No.		2020-09-14		Issue	A
Sheet		1 / (1)			

Product No. 104881225

Nominal flow Ø DN: 8 mm
Connection Stroke: 26,7 mm
Max WP Connected: 10 bar
Max WP Disconnected: 10 bar
Min BP Connected: 40 bar
Min BP Disconnected: 40 bar
Temperature range: -30°C - +150°C
Connection: BSP 1/2" fem
Seal material: EPDM
Hexagon: 27
Rec. thread tightn. torque*: 25 Nm
Weight: 190,7 g

Assembly Drawing 104881225



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Description

Technical information sheet series 488

Technical specification	Value	Unit
Minimum connection/ disconnection temperature EPDM:	-15/ 5	°C/ F°
Minimum connection/ disconnection temperature FVMQ:	-30/ -22	
Connection force at 0-pressure:	101/ 22,7	N (newton)/ lbf
Disconnection force at 0-pressure:	61/ 13,7	N (newton)/ lbf
Air intrusion:	≤0,04/ ≤0,04	(ml/ cc)
Spill at disconnection:	≤0,01/ ≤ 0,01	(ml/ cc)
Volume change at connection/ disconnection:	3,1/ 3,1	(ml/ cc)
Vacuum resilience:	100	(% vacuum)
Flow coefficient Kv/ Cv: ¹⁾	2,93/ 3,39	(m ³ /h / GPM)
Max allowed flow rate	50/ 13,2	(l/m / GPM)
Max system pressure at connection/ disconnection: <i>Note: Connection and disconnection is recommended to be done at 0 pressure and at room temperature</i>	EPDM 5,0/ 72 FVMQ 2,0/ 29	(bar/ psi)
Tested per Railroad standard Shock and vibration standard EN 61373:2010, Category 1 Class A		
Corrosion tested according to 9227:2017 <i>Corrosion tests in artificial atmospheres – salt spray tests</i> : Exceeds more than 330 hours	>330	hours
Endurance tested (connection/ disconnection)	>5000	cycles
Note: 1) Female 3/8" BSP thread connection, lowest value of both flow directions- see more information in actual flow chart.		