



The right connection  
The right environment

## Diagnostic Couplings MMC

Ref. No. H04312  
Release: Apr 2025  
ENGINEERING - 1 of 2

### Description

Diagnostic Couplings are intended to provide facility to access system pressure for the purpose of pressure measurement.

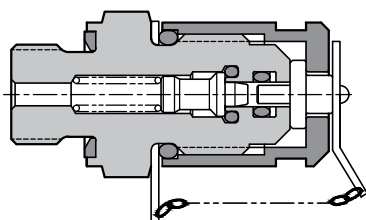
For transmitting pressure through these couplings to the measuring devices, no special tools are needed. These couplings can be connected by hand even at rated pressure.

These couplings are equipped with protective caps to avoid ingress of foreign particles, when the couplings are not in use. This is also a safety device against vibration.

These couplings also can be used for purging air from the system.  
Working pressure 630 bar (9000 PSI) according to ISO 15171-2



### Section



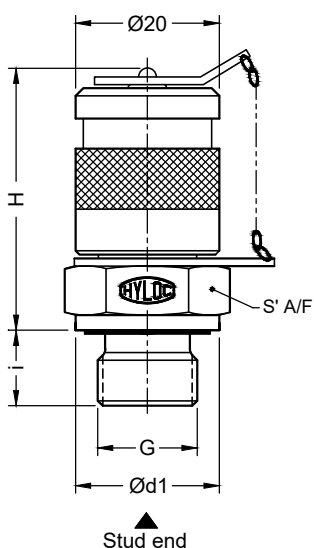
Hydraulic Symbol



### Unit Dimensions

For **M16x2.0 (1620)**, **M16x1.5 (1615)** micro bore hose end

Dimensions in mm



Stud end threads	Sealing details	Working Pressure	Ød1	i	H	S
ISO 228 - G 1/8	Elastomeric seal (DIN 3852)	400 bar	14	8	38	17
ISO 228 - G 1/4		630 bar	19	10	35	19
ISO 228 - G 3/8		630 bar	22	10	35	22
M10 x 1.0	Elastomeric seal (DIN 3852)	630 bar	14	8.5	40	17
M12 x 1.5			17	*9.5		
M14 x 1.5			19	*11		
M16 x 1.5	O Ring (ISO 6149)	630 bar	22	*11.5	35	22
				*12.5		
7/16"-20 UNF	O Ring (SAE J514)	630 bar	14.1	9	35	17
9/16"-18 UNF			17.3	10	35	19
1/8" NPTF	Self sealing threads	400 bar	---	9.7	35	17
1/4" NPTF			---	14.2	35	17
ISO 7/1 - R 1/8	Sealing by suitable jointing solutions	400 bar	---	7.5	35	17
ISO 7/1 - R 1/4		630 bar	---	11	35	17

\* Marked dimensions are for stud ends with O ring sealing



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### Technical Specifications

Construction ----- Spring loaded, poppet type, opens on assembly by micro bore hose.

Mounting position ----- Optional

Hydraulic medium ----- Mineral oil

Sealings ----- NBR (Standard)

Temperature range ----- Sealing by NBR -30 °C to +100 °C

Sealing by FKM -20 °C to + 200 °C

### Ordering Code

<b>MMC</b>	<b>1620</b>	<b>G02</b>	<b>E</b>	<b>V</b>	<b>20</b>
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Diagnostic Coupling

Design Series  
Subject to revision

Micro bore flex hose thread size

M16x2.0    **1620**

M16x1.5    **1615**

Seals

Omit for Nitrile

**V**    FKM (Viton)

Stud ends    Code

G 1/8    **G01**

G 1/4    **G02**

G 3/8    **G03**

M10 x 1.0    **M10**

M12 x 1.5    **M12**

M14 x 1.5    **M14**

M16 x 1.5    **M16**

7/16"-20 UNF    **S04**

9/16"-18 UNF    **S06**

1/8" NPTF    **N01**

1/4" NPTF    **N02**

R 1/8    **R01**

R 1/4    **R02**

Stud end Sealing

**E**    Elastomeric seal

**O**    O' Ring

Note : Add prefix 316 to the above part code for SS 316 Diagnostic couplings.  
e.g. **316-MMC1620G02E-20**

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Due to continuous improvement in the design of the product,  
the actual product supplied may look different than shown above.