



MECHANICAL PLUGS



HYDRAULIC PLUGS

MECHANICAL SYSTEM

The EuropCorr® mechanical solid/hollow plug are the internal parts of the access fittings which act as the seal of access fitting to maintain the line pressure as well as the retrievable carrier for holding the monitoring devices. There are two types of plug assemblies which can be used for high pressure access fittings:

Solid plugs - used for various types of coupon holders, sacrificial sand probes and Chemical Injection/Sampling devices; solid plug assembly consists of:

- Solid Plug Body
- Primary Packing
- O-ring
- Solid plug Nut with set screw
- Pipe Plug

The solid plug nut ensures the primary packing in position when there is no corrosion monitoring device attached to the solid plug.

Hollow plugs - used for ER probes, LPR probes, Galvanic probes, Sand probes, Hydrogen probes and any other type of sensors that require a cable connection. Hollow plug assembly consists of:

- Hollow Plug Body
- Primary Packing
- Hollow Plug Nut with set screw
- Hollow Plug Sealing Nut
- Pipe Plug

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HYDRAULIC SYSTEM

The EuropCorr® hydraulic solid/hollow plug differs from the mechanical type by not having external threads thus eliminating galling which is a common problem with mechanical plugs. The hydraulic plugs are designed to be used with the hydraulic access fittings and hydraulic retrieval tool under full operating pressure, there are two types of plug assemblies:

Solid plugs - used for various types of coupon holders, sacrificial sand probes and Chemical Injection/Sampling devices; solid plug assembly consists of:

- Solid Plug Body
- Primary Packing
- Wear Ring
- Solid plug Nut with set screw
- Pipe Plug

The solid plug nut ensures the primary packing in position when there is no corrosion monitoring device attached to the solid plug.

Hollow plugs - used for ER probes, LPR probes, Galvanic probes, Sand probes, Hydrogen probes and any other type of sensors that require a cable connection. Hydraulic hollow plug assembly consists of:

- Hollow Plug Body
- Primary Packing
- Wear Ring
- Hollow Plug Nut with set screw
- Hollow Plug Sealing Nut
- Pipe Plug

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EuropCorr® Two Inch System

Solid and Hollow Plug



Plug body material is as a standard made from A182 F316L, but can be offered in other types of material for special service. The standard plug sealing primary packing is made from 25% glass filled PTFE, metal primary packing is used for high temperature service. Solid plug o-ring is in viton, special material can be offered for critical service conditions such as sour service.

The threads on the plug which mate with the access fitting body may be PTFE coated to reduce the risk of galling.

Plug body material is as a standard made from A182 F316L, but can be offered in other types of material for special service. The standard plug sealing primary packing is made from 25% glass filled PTFE, metal primary packing is used for high temperature service. Wear rings is made from 25% glass filled PTFE to ensure proper sliding capabilities of the plugs during installation and retrieval operation, it can be also made from Graphite for high temperature service.

ORDERING INFORMATION:

Description	Part No.		Weight [kg/lbs]		Material
	Hydraulic	Mechanical	Hydraulic	Mechanical	
Solid plug assembly	120001	220001	0.94/2.07	0.75/1.65	AISI 316L
Solid plug body	120002	220002	0.85/1.87	0.70/1.54	AISI 316L
Primary packing	320001	320001	0.07/0.15	0.07/0.15	PTFE 25% glass filled
O-ring	n/a	220005	n/a	0.03/0.06	Viton
Wear ring	120005	n/a	0.07/0.15	n/a	PTFE 25% glass filled
Solid plug nut	320004	320004	0.05/0.11	0.05/0.11	AISI 316L
Set screw M5x5 (1 per plug)	320005	320005	0.005/0.01	0.005/0.01	SS
Pipe plug	300003	300003	0.01/0.02	0.01/0.02	Plastic
Hollow plug assembly	120003	220003	0.93/2.05	0.80/1.76	AISI 316L
Hollow plug body	120004	220004	0.70/1.54	0.60/1.32	AISI 316L
Hollow plug nut	320007	320007	0.07/0.15	0.07/0.15	AISI 316L
Hollow plug sealing nut	320008	320008	0.14/0.31	0.14/0.31	AISI 316L
Primary packing	320001	320001	0.07/0.15	0.07/0.15	PTFE 25% glass filled
Wear ring	120005	n/a	0.07/0.15	n/a	PTFE 25% glass filled
Set screw M5x5 (2 per plug)	320005	320005	0.005/0.01	0.005/0.01	SS
Pipe Plug	300003	300003	0.01/0.02	0.01/0.02	Plastic

Pressure rating 6000 PSI (420 BAR)

Material selection meets NACE MR0175/ISO 15156

Various alloys available for plugs body to meet client's design requirements and specifications.

Various material available for seals to meet service conditions.

