Body Size
1/2"

Multi-Couplings
MACH-Series



Technical Description
The couplings meet the requirements of ISO 7241-1 Series A. Possible to connect 4, 5, 6 or 7 hydraulic lines simultaneously. No coupling misconnection or accidental disconnection. Using a standard interface will still allow end users to connect their standard quick coupling equipped implements. In the version with seven lines (MACH 7), the base connector is equipped with an electrical connector as standard feature, which is an option on the MACH 4, 5 and 6.

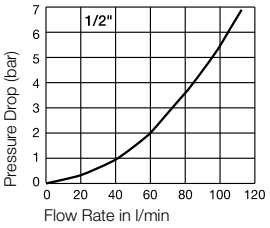
Advantages
Individual ball locking system and central cam locking mechanism: a simple movement enables to connect all the hydraulic lines. Three part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Possible to connect with two lines under 200 bar, if other lines are not under pressure. Easy and fast connection and disconnection of implements or tooling.

Applications
- Agricultural (front loaders, hedge cutters,...)
- Road service vehicles (road systems lorries, road sweepers, snowploughs,...)
- Industrial Applications

Working Pressure
max. 250 bar

Working Temperature
-30°C up to +110°C (NBR) depending on the medium.

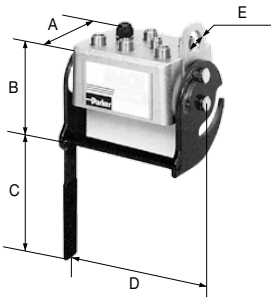
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



Technical Performance Data

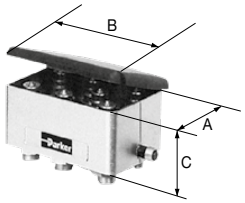
Body Size inch	Temperatur Range	Maximum operating pressure
1/2"	-30°C up to +110°C	250 bar

Top Connector (Coupling Plate)
This top connector unit includes the top casting and automatic protective cover, 4 to 7 female quick couplings and a complete locking system. In the most common version with 7 lines, the top connector is also equipped with a 6 line male electrical connector as a standard feature.



	1/2"
A	120 mm
B	145 mm
C	160 mm
D	210 mm
E	Ø 30 mm

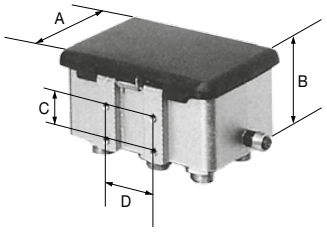
Base Connector (Plug Plate)
This base connector unit includes the base casting and automatic protective cover, 4 to 7 male quick couplings and the positioning pins. Also included are an adaptor and a plastic hose to drain oil. In the most common version with 7 lines, the base connector is also equipped with a 6 line male electrical connector as a standard feature.



	1/2"
A	109 mm
B	170 mm
C	70 mm

Material	
Coupling-/Plug Plates	Steel
Support Plate	Steel
Protective Cap	Thermoplastic
Couplings and Plugs	Steel
Seals	NBR
Locking Mechanism	Steel
Connector Castings	Aluminium

Installation
Base unit: Mounted with 4 screws M 8 x 1,25 mm



	1/2"
A	125 mm
B	80 mm
C	30 mm
D	50 mm

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Coupling Plate — MACH-Series



Body Size	Number of Hydraulic Lines	Number of Threads DIN2353 15L (M22x1,5)	Number of Threads DIN2353 12L (M18x1,5)	Electrical Connector	Part Number
1/2"	4	4	0	without	MACH4/715LT
1/2"	5	5	0	with	MACH5/715LTE
1/2"	6	6	0	without	MACH6/715LT
1/2"	6	6	0	with	MACH6/715LTE
1/2"	7	6	1	with	MACH 7T

Plug Plate — MACH-Series



Body Size	Number of Hydraulic Lines	Number of Threads DIN2353 15L (M22x1,5)	Number of Threads DIN2353 12L (M18x1,5)	Electrical Connector	Part Number
1/2"	4	4	0	without	MACH4/715LB
1/2"	5	5	0	with	MACH5/715LBE
1/2"	6	6	0	without	MACH6/715LB
1/2"	6	6	0	with	MACH6/715LBE
1/2"	7	6	1	with	MACH 7B

Oil Drain Kit

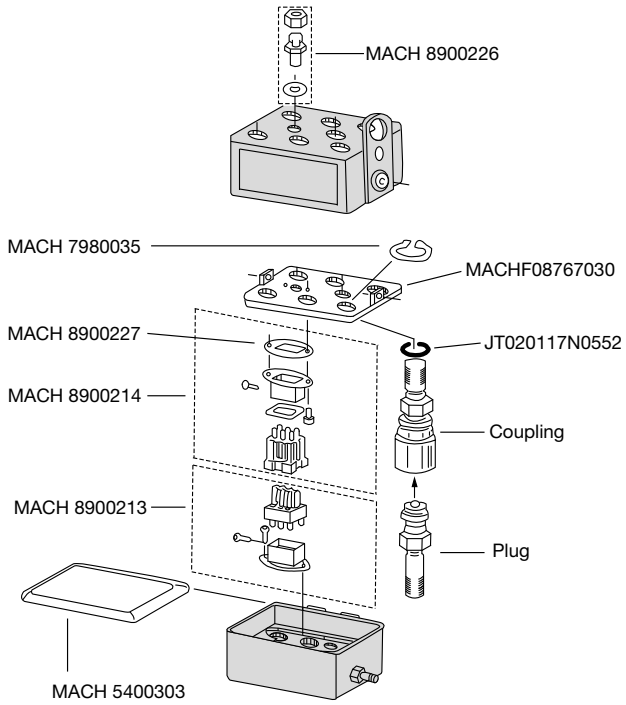


Description	Part Number
This kit includes the removable tank to contain oil spillage and a holding fixture.	MACH A

⚠ Please consider our security advices on the pages 12/13 ⚠

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Spare Parts — MACH-Series



Description	End Configuration	Part Number
Electrical socket		MACH 8900214
Washer		MACH 8900227
Grommet		MACH 8900226
Electrical plug		MACH 8900213
Snap ring		MACH7980035
Counter plate		MACHF08767030
Cover		MACH5400303
Adaptor outside seal		JT020117N0552
Coupling	DIN 2353-15L	3V54D6X5MCH
Plug	DIN 2353-15L	4V14E6X5MCHA
Coupling	DIN 2353-12L	3V54D6X4MCH
Plug	DIN 2353-12L	4V14E6X4MCHA

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