

Hydraulic Slave Cylinders and Wheel Cylinders

small bore, short stroke cylinders in various strokes, mountings, and fluid capacities



Convert
Hydraulic Pressure
to Mechanical Force



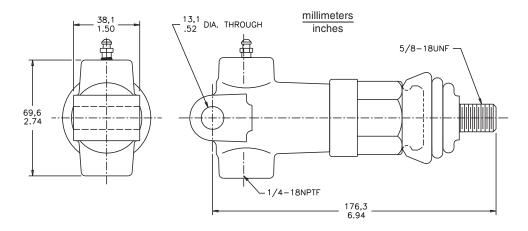
Hydraulic Slave Cylinders and Wheel Cylinders

The hydraulic cylinders presented in this Product Guide are small bore, short stroke cylinders used for remote clutch and brake actuation. They are also used in industry for holding, clamping, latching and other applications.

The drawings in this guide show only general dimensions. If more detailed information is required on any of the model numbers, a customer print is available upon request.

MICO could not possibly know of and give advice with respect to all conceivable applications in which this product may be used and the possible hazards and/or results of each application. MICO has not undertaken any such wide evaluation. Therefore, anyone who uses an application which is not recommended by the manufacturer, first must completely satisfy himself that a danger will not be created by the application selected, or by the particular model of our product that is selected for the application.

Slave Cylinder

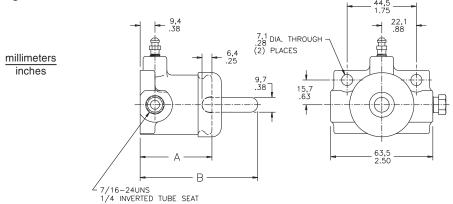


SPECIFICATIONS

Model Number	Fluid Type	Bore Diameter	Effective Stroke	Fluid Volume Required for Full Stroke	Repair Kit Number
03-120-034	НО	25.4 mm (1.00 in)	44.5 mm (1.75 in)	22.5 cm ³ (1.37 in ³)	02-100-035
03-120-039	BF	25.4 mm (1.00 in)	44.5 mm (1.75 in)	22.5 cm ³ (1.37 in ³)	02-100-032
03-120-060	НО	25.4 mm (1.00 in)	44.5 mm (1.75 in)	22.5 cm ³ (1.37 in ³)	02-100-035
03-120-061	BF	25.4 mm (1.00 in)	44.5 mm (1.75 in)	22.5 cm ³ (1.37 in ³)	02-100-032

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

Slave Cylinder



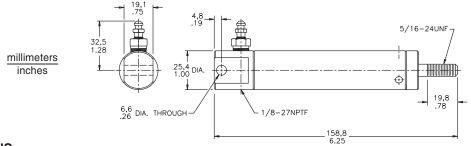
SPECIFICATIONS

Model			Effective Fluid Volume Required for		Dime	Repair Kit	
Number	Type	Diameter	Stroke	Full Stroke	Α	В	Number
02-120-006	BF	25.4 mm (1.00 in)	12.7 mm (.50 in)	6.4 cm ³ (.39 in ³)	46.0 mm (1.81 in)	75.4 mm (2.97 in)	02-100-005
02-120-016	BF	19.1 mm (.75 in)	25.4 mm (1.00 in)	7.2 cm ³ (.44 in ³)	58.7 mm (2.31 in)	100.8 mm (3.97 in)	02-100-001
* 02-120-017	BF	19.1 mm (.75 in)	25.4 mm (1.00 in)	7.2 cm³ (.44 in³)	58.7 mm (2.31 in)	NA	02-100-001
02-120-020	НО	25.4 mm (1.00 in)	25.4 mm (1.00 in)	12.9 cm³ (.79 in³)	58.7 mm (2.31 in)	100.8 mm (3.97 in)	02-100-029
02-120-021	BF	25.4 mm (1.00 in)	25.4 mm (1.00 in)	12.9 cm ³ (.79 in ³)	58.7 mm (2.31 in)	100.8 mm (3.97 in)	02-100-007
02-120-026	BF	25.4 mm (1.00 in)	12.7 mm (.75 in)	9.6 cm³ (.59 in³)	52.3 mm (2.06 in)	88.1 mm (3.47 in)	02-100-007
02-120-028	НО	25.4 mm (1.00 in)	12.7 mm (.75 in)	9.6 cm ³ (.59 in ³)	52.3 mm (2.06 in)	88.1 mm (3.47 in)	02-100-029
02-120-071	BF	26.9 mm (1.06 in)	25.4 mm (1.00 in)	14.5 cm³ (.89 in³)	58.7 mm (2.31 in)	100.8 mm (3.97 in)	02-100-016
* 02-120-117	BF	25.4 mm (1.00 in)	25.4 mm (1.00 in)	12.9 cm ³ (.79 in ³)	58.7 mm (2.31 in)	NA	02-100-007
03-120-010	НО	19.1 mm (.75 in)	12.7 mm (.50 in)	3.6 cm³ (.22 in³)	46.0 mm (1.81 in)	75.4 mm (2.97 in)	02-100-028
03-120-017	BF	25.4 mm (1.00 in)	25.4 mm (1.00 in)	12.9 cm ³ (.79 in ³)	58.7 mm (2.31 in)	100.8 mm (3.97 in)	02-100-007
03-120-051	BF	15.7 mm (.62 in)	12.7 mm (.50 in)	2.5 cm ³ (.15 in ³)	46.0 mm (1.81 in)	74.4 mm (2.93 in)	02-100-014

^{*} Push rod not included

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

Slave Cylinder



SPECIFICATIONS

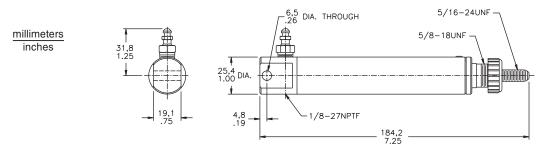
	Model Number	Fluid Type	Bore Diameter	Effective Stroke	Fluid Volume Required for Full Stroke	Repair Kit Number
1	12-120-007	BF	15.7 mm (.62 in)	62.0 mm (2.44 in)	12.1 cm ³ (.74 in ³)	12-100-009
1	12-120-010	НО	15.7 mm (.62 in)	62.0 mm (2.44 in)	12.1 cm ³ (.74 in ³)	12-100-010
* 1	12-120-013	BF	15.7 mm (.62 in)	62.0 mm (2.44 in)	12.1 cm ³ (.74 in ³)	12-100-011

^{*} Includes boot 42-570-009

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

NOTE: Maximum pressure - 103.4 bar (1500 PSI)

Slave Cylinder



SPECIFICATIONS

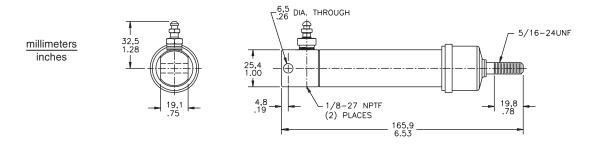
Model Number	Fluid Type	Bore Diameter	Effective Stroke	Fluid Volume Required for Full Stroke	Repair Kit Number
12-120-015	BF	15.7 mm (.62 in)	52.3 mm (2.06 in)	10.3 cm ³ (.63 in ³)	12-100-009
12-120-016	НО	15.7 mm (.62 in)	52.3 mm (2.06 in)	10.3 cm3 (.63 in3)	12-100-014
* 12-120-017	BF	15.7 mm (.62 in)	52.3 mm (2.06 in)	10.3 cm ³ (.63 in ³)	12-100-013

^{*} No return spring

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

NOTE: Maximum pressure - 103.4 bar (1500 PSI)

Slave Cylinder



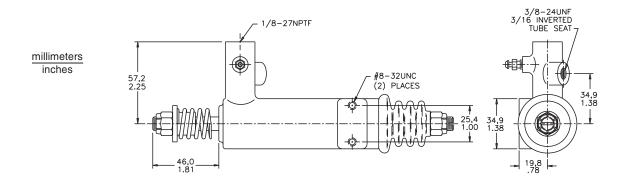
SPECIFICATIONS

Model Number	Fluid Type	Bore Diameter	Effective Stroke	Fluid Volume Required for Full Stroke	Repair Kit Number
12-120-123	BF	15.7 mm (.62 in)	54.6 mm (2.15 in)	10.8 cm ³ (.66 in ³)	12-100-020

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

NOTE: Maximum pressure - 103.4 bar (1500 PSI)

Slave Cylinder

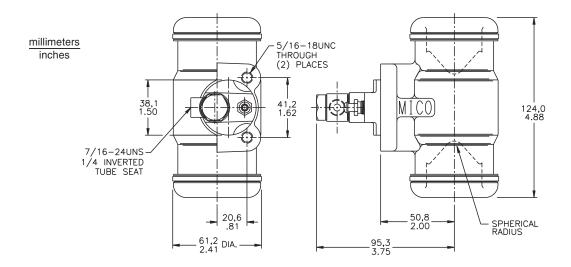


SPECIFICATIONS

Model Number	Fluid Type	Bore Diameter	Effective Stroke	Fluid Volume Required for Full Stroke	Repair Kit Number
02-120-057	BF	25.4 mm (1.00 in)	9.7 mm (.38 in)	4.8 cm ³ (.29 in ³)	02-100-012

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

Wheel Cylinder

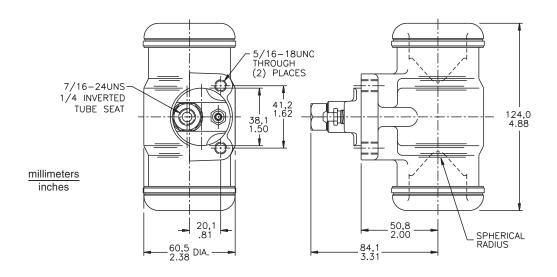


SPECIFICATIONS

Model Number	Fluid Type	Bore Diameter	Effective Stroke Each Side	Effective Stroke Total	Spherical Radius	Repair Kit Number
12-140-011	BF	38.1 mm (1.50 in)	16.8 mm (.66 in)	33.5 mm (1.32 in)	6.4 mm (.25 in)	12-100-003
12-140-012	НО	44.5 mm (1.75 in)	10.4 mm (.41 in)	20.8 mm (.82 in)	7.9 mm (.31 in)	12-100-002
12-140-013	BF	44.5 mm (1.75 in)	10.4 mm (.41 in)	20.8 mm (.82 in)	7.9 mm (.31 in)	12-100-005
12-140-021	BF	35.1 mm (1.38 in)	16.8 mm (.66 in)	33.5 mm (1.32 in)	6.4 mm (.25 in)	12-100-006

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

Wheel Cylinder

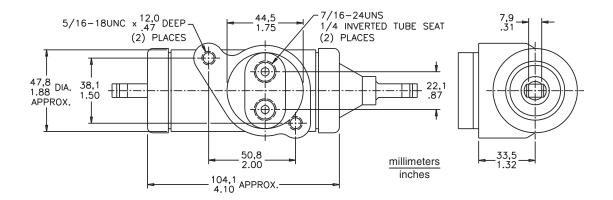


SPECIFICATIONS

Model Number	Fluid Type	Bore Diameter	Effective Stroke Each Side	Effective Stroke Total	Spherical Radius	Repair Kit Number
04-140-015	BF	38.1 mm (1.50 in)	16.8 mm (.66 in)	33.5 mm (1.32 in)	6.4 mm (.25 in)	12-100-003
04-140-021	BF	44.5 mm (1.75 in)	10.4 mm (.41 in)	20.8 mm (.82 in)	7.9 mm (.31 in)	12-100-005

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

Wheel Cylinder

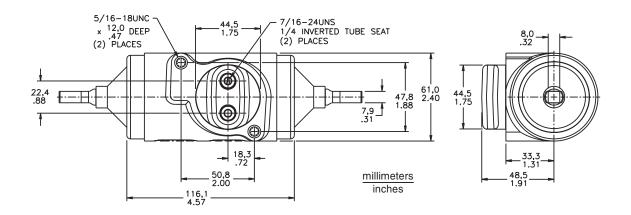


SPECIFICATIONS

Model	Fluid	Bore	Repair Kit
Number	Type	Diameter	Number
04-120-031	BF	38.1 mm (1.50 in)	

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

Wheel Cylinder



SPECIFICATIONS

Model Number	Fluid Type	Bore Diameter	Repair Kit Number
03-140-011	BF	44.5 mm (1.75 in)	02-100-038
03-140-013	BF	38.1 mm (1.50 in)	02-100-051

BF = DOT 3, 4, 5 and 5.1 brake fluid HO = mineral base hydraulic oil

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PRODUCT LINE:

Brake Locks

Controls

Drive Axle Brake Actuators Slave Cylinders Wheel Cylinders

Master Cylinders

Boosted Cylinders Hydraulically and Air Actuated

Accumulator Charging Electrohydraulic Brake Park Brake

Miscellaneous Components

In-line Residual Check Valves Pump with Integrated Valves

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