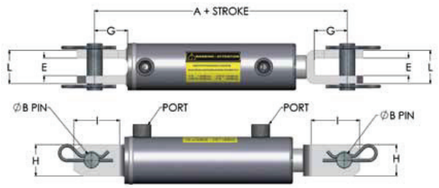
MAVERICK
MACHINE & HYDRAULICS



Operating Pressure: 3000 PSI

100% PRESSURE TESTED

FEM Cylinder Dimensions

	TUBE DIA.	A *	Ø B PIN	E	G	H	I	L	PORTS (SAE)
in.	2.000	10.250	1.000	1.125	2.125	2.000	3.125	2.125	6
mm	50.80	260.35	25.40	28.60	53.98	50.80	79.37	53.98	
in.	2.500	10.250	1.000	1.125	2.125	2.000	3.125	2.125	8
mm	63.50	260.35	25.40	28.60	53.98	50.80	79.37	53.98	
in.	3.000	10.250	1.000	1.125	2.125	2.000	3.125	2.125	8
mm	76.20	260.35	25.40	28.60	53.98	50.80	79.37	53.98	
in.	3.500	10.250	1.000 / 1.250	1.125	2.000	2.500	3.875	2.375	8
mm	88.90	260.35	25.40 / 31.75	28.60	50.80	63.50	98.42	60.33	
in.	4.000	10.250	1.000 / 1.500	1.625	1.750	3.000	4.000	3.125	8
mm	101.60	260.35	25.40 / 38.10	41.28	44.45	76.20	101.60	79.38	
in.	5.000	15.750	1.500 / 2.000	2.125	3.500	4.000	6.500	4.125	12
mm	127.00	400.10	38.10/ 50.80	53.98	88.90	101.60	165.10	104.78	

	A* - STANDARD ASAE CYLINDERS								
	20FEM08-ASAE	20FEM16-ASAE	25FEM08-ASAE	25FEM16-ASAE	30FEM08-ASAE	30FEM16-ASAE	35FEM08-ASAE	35FEM16-ASAE	40FEM08-ASAE
in.	12.250	15.50	12.250	15.500	12.250	15.500	12.250	15.500	12.250
mm	311.15	393.70	311.15	393.70	311.15	393.70	311.15	393.70	311.15

Model Number for FEM

25 FEM XX - (200) - (ASAE) - 10

- Design number
- ASAE = longer rod extension than standard cylinder
- Rod diameter if non-standard (ex. 200 = 2.0")
- Cylinder stroke (inches)
- Model type **FEM**
- Cylinder bore **20**, **25**, **30**, **35**, **40** or **50** (ex. 20 = 2.0")

⚠ WARNING / ATTENTION

PLEASE NOTE THAT THE MAXIMUM CAPACITY OF CLEVIS PINS ARE:

VEUILLEZ NOTER QUE LA CAPACITÉ MAXIMUM DES GOUPILLES D'ATTACHEMENT EST DE:

1" Ø = 26,000 lbs
1-1/4" Ø = 39,000 lbs
1-1/2" Ø = 56,000 lbs
2" Ø = 96,000 lbs

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5 reasons to choose Maverick

- Complete range of hydraulic services, manufacturing, repairs, power units
- Unique numbering for traceability
- 100% testing of our product to prevent defects
- CNC precision machining for longevity of product
- 1 year warranty shows our committment

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Clevis Cylinders

	MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (IN.)		PORTS	MAX EXTENSION PRESSURE (PSI)	WEIGHT (lb)	SEAL KIT PART #
					RETRACTED	EXTENDED				
	MAV 20FEM04-10	2 X 4	1-1/4	1	14 1/4	18 1/4	SAE-6	3000	14	MAV MF 201250-10
	MAV 20FEM06-10	2 X 6			16 1/4	22 1/4			16	
	MAV 20FEM08-10	2 X 8			18 1/4	26 1/4			18	
	MAV 20FEM08-ASAE-10	2 X 8			20 1/4	28 1/4			19	
	MAV 20FEM10-10	2 X 10			20 1/4	30 1/4			20	
	MAV 20FEM12-10	2 X 12			22 1/4	34 1/4			21	
	MAV 20FEM14-10	2 X 14			24 1/4	38 1/4			23	
	MAV20FEM16-10	2 X 16			26 1/4	42 1/4			25	
*	MAV 20FEM16- ASAE-10	2 X 16			31 1/2	47 1/2			27	
	MAV 20FEM18-10	2 X 18			28 1/4	46 1/4			26	
	MAV 20FEM20-10	2 X 20			30 1/4	50 1/4			28	
	MAV 20FEM24-10	2 X 24			34 1/4	58 1/4			31	
	MAV 20FEM28-10	2 X 28			38 1/4	66 1/4		2600	35	
	MAV 20FEM30-10	2 X 30			40 1/4	70 1/4		2300	37	
	MAV 20FEM32-10	2 X 32			42 1/4	74 1/4		2000	38	
*	MAV 20FEM34-10	2 X 34			44 1/4	78 1/4		1800	40	
	MAV 20FEM36-10	2 X 36			46 1/4	82 1/4		1600	42	
	MAV 25FEM04-10	2 1/2 X 4	1-1/2		14 1/4	18 1/4	SAE-8	3000	18	MAV MF 251500-10
	MAV 25FEM06-10	2 1/2 X 6			16 1/4	22 1/4			20	
	MAV 25FEM08-10	2 1/2 X 8			18 1/4	26 1/4			22	
	MAV 25FEM08-ASAE-10	2 1/2 X 8			20 1/4	28 1/4			23	
	MAV 25FEM10-10	2 1/2 X 10			20 1/4	30 1/4			25	
	MAV 25FEM12-10	2 1/2 X 12			22 1/4	34 1/4			27	
	MAV 25FEM14-10	2 1/2 X 14			24 1/4	38 1/4			29	
	MAV 25FEM16-10	2 1/2 X 16			26 1/4	42 1/4			31	
*	MAV 25FEM16-ASAE-10	2 1/2 X 16			31 1/2	47 1/2			34	
	MAV 25FEM18-10	2 1/2 X 18			28 1/4	46 1/4			34	
	MAV 25FEM20-10	2 1/2 X 20			30 1/4	50 1/4			36	
	MAV 25FEM24-10	2 1/2 X 24			34 1/4	58 1/4			40	
	MAV 25FEM28-10	2 1/2 X 28			38 1/4	66 1/4			45	
	MAV 25FEM30-10	2 1/2 X 30			40 1/4	70 1/4			47	
*	MAV 25FEM32-10	2 1/2 X 32			42 1/4	74 1/4		2700	49	
	MAV 25FEM34-10	2 1/2 X 34			44 1/4	78 1/4		2400	51	
	MAV 25FEM36-10	2 1/2 X 36			46 1/4	82 1/4		2200	54	
	MAV 30FEM04-10	3 X 4	1-1/2		14 1/4	18 1/4		3000	21	MAV MF 301500-10
	MAV 30FEM06-10	3 X 6			16 1/4	22 1/4			24	
	MAV 30FEM08-10	3 X 8			18 1/4	26 1/4			26	
	MAV 30FEM08-ASAE-10	3 X 8			20 1/4	28 1/4			27	
	MAV 30FEM10-10	3 X 10			20 1/4	30 1/4			29	
	MAV 30FEM12-10	3 X 12			22 1/4	34 1/4			31	
	MAV 30FEM14-10	3 X 14			24 1/4	38 1/4			34	
	MAV 30FEM16-10	3 X 16			26 1/4	42 1/4			34	
*	MAV 30FEM16-ASAE-10	3 X 16			31 1/2	47 1/2			39	
	MAV 30FEM18-10	3 X 18			28 1/4	46 1/4			39	
	MAV 30FEM20-10	3 X 20			30 1/4	50 1/4			41	
	MAV 30FEM24-10	3 X 24			34 1/4	58 1/4			46	
	MAV 30FEM28-10	3 X 28			38 1/4	66 1/4		2400	51	
	MAV 30FEM30-10	3 X 30			40 1/4	70 1/4		2100	53	
	MAV 30FEM32-10	3 X 32			42 1/4	74 1/4		1900	56	
	MAV 30FEM34-10	3 X 34			44 1/4	78 1/4		1700	58	
	MAV 30FEM36-10	3 X 36			46 1/4	82 1/4		1500	61	

	MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (IN.)		PORTS	MAX EXTENSION PRESSURE (PSI)	WEIGHT (lb)	SEAL KIT PART #
					RETRACTED	EXTENDED				
*	MAV 35FEM04-10	3 1/2 X 4	1-3/4	1 & 1-1/4	14 1/4	18 1/4	SAE-8	3000	31	MAV MF 351750-10
*	MAV 35FEM06-10	3 1/2 X 6			16 1/4	22 1/4			34	
	MAV 35FEM08-10	3 1/2 X 8			18 1/4	26 1/4			37	
*	MAV 35FEM08-ASAE-10	3 1/2 X 8			20 1/4	28 1/4			39	
	MAV 35FEM10-10	3 1/2 X 10			20 1/4	30 1/4			40	
	MAV 35FEM12-10	3 1/2 X 12			22 1/4	34 1/4			43	
	MAV 35FEM14-10	3 1/2 X 14			24 1/4	38 1/4			46	
	MAV 35FEM16-10	3 1/2 X 16			26 1/4	42 1/4			49	
*	MAV 35FEM16-ASAE-10	3 1/2 X 16			31 1/2	47 1/2			53	
	MAV 35FEM18-10	3 1/2 X 18			28 1/4	46 1/4			52	
	MAV 35FEM20-10	3 1/2 X 20			30 1/4	50 1/4			55	
	MAV 35FEM24-10	3 1/2 X 24			34 1/4	58 1/4			61	
	MAV 35FEM24-200-10	3 1/2 X 24	2		34 1/4	58 1/4			66	MAV MF 352000-10
	MAV 35FEM28-10	3 1/2 X 28	1-3/4		38 1/4	66 1/4			68	MAV MF 351750-10
*	MAV 35FEM30-10	3 1/2 X 30			40 1/4	70 1/4		2900	71	
*	MAV 35FEM32-10	3 1/2 X 32			42 1/4	74 1/4		2600	74	
*	MAV 35FEM34-10	3 1/2 X 34			44 1/4	78 1/4		2300	77	
	MAV35FEM36-10	3 1/2 X 36			46 1/4	82 1/4		2100	80	
	MAV 40FEM04-10	4 X 4	2	1 & 1-1/2	14 1/4	18 1/4		3000	46	MAV MF 402000-10
	MAV 40FEM06-10	4 X 6			16 1/4	22 1/4			51	
	MAV 40FEM08-1	4 X 8			18 1/4	26 1/4			55	
*	MAV 40FEM08-ASAE-10	4 X 8			20 1/4	28 1/4			57	
	MAV 40FEM10-10	4 X 10			20 1/4	30 1/4			59	
	MAV 40FEM12-10	4 X 12			22 1/4	34 1/4			63	
	MAV 40FEM14-10	4 X 14			24 1/4	38 1/4			67	
	MAV 40FEM16-10	4 X 16			26 1/4	42 1/4			72	
*	MAV 40FEM16-ASAE-10	4 X 16			31 1/2	47 1/2			76	
	MAV 40FEM18-10	4 X 18			28 1/4	46 1/4			76	
	MAV 40FEM20-10	4 X 20			30 1/4	50 1/4			80	
	MAV 0FEM24-10	4 X 24			34 1/4	58 1/4			88	
	MAV 40FEM28-10	4 X 28			38 1/4	66 1/4			97	
	MAV40FEM30-10	4 X 30			40 1/4	70 1/4			101	
	MAV 40FEM32-10	4 X 32			42 1/4	74 1/4			105	
*	MAV 40FEM34-10	4 X 34			44 1/4	78 1/4			109	
	MAV 40FEM36-10	4 X 36			46 1/4	82 1/4		2700	113	
*	MAV 50FEM04-10	5 X 4	2-1/2	1-1/2 & 2	19 3/4	23 3/4	SAE-12	3000	95	MAV MF 502500-10
	MAV 50FEM06-10	5 X 6			21 3/4	27 3/4			102	
	MAV 50FEM08-10	5 X 8			23 3/4	31 3/4			108	
*	MAV 50FEM10-10	5 X 10			25 3/4	35 3/4			114	
	MAV 50FEM12-10	5 X 12			27 3/4	39 3/4			121	
*	MAV 50FEM14-10	5 X 14			29 3/4	43 3/4			127	
*	MAV 50FEM16-10	5 X 16			31 3/4	47 3/4			134	
	MAV 50FEM18-10	5 X 18			33 3/4	51 3/4			140	
	MAV 50FEM20-10	5 X 20			35 3/4	55 3/4			146	
	MAV 50FEM24-10	5 X 24			39 3/4	63 3/4			159	
	MAV 50FEM28-10	5 X 28			43 3/4	71 3/4			172	
	MAV 50FEM30-10	5 X 30			45 3/4	75 3/4			178	
	MAV 50FEM32-10	5 X 32			47 3/4	79 3/4			185	
*	MAV 50FEM36-10	5 X 36			51 3/4	87 3/4			197	

*Stocked in limited quantity.

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5. Cylinder Head Wear Ring
Glass fiber reinforced nylon, improves rod and gland life by preventing side load induced metal to metal wear.

6. Ports
O-Ring Boss, for zero leakage at high pressure.

7. Hallite Piston Seal
Polyurethane, double acting seal ensures a positive seal in both directions. Designed for pressure spikes up to 5000 PSI, operating temperature range from -40º C to 110º C, and improved wear resistance.

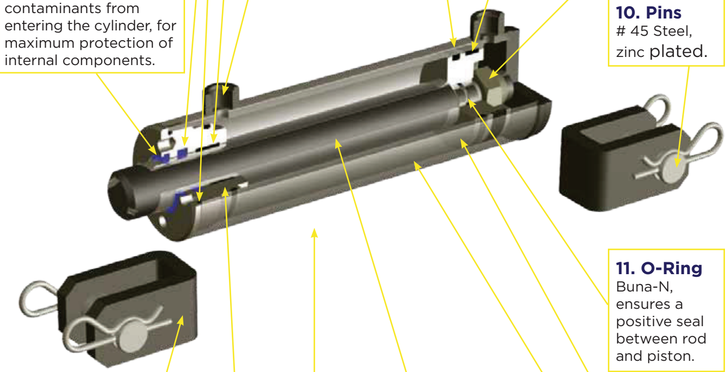
4. O-Ring
Buna-N, protects threads from moisture and corrosion.

8. Piston Wear Ring
Glass fiber reinforced nylon, improves tube and piston life by preventing side load induced metal to metal wear.

3. Hallite Rod Seal
Polyurethane U-CUP, ensuring a positive seal even at high pressures and high temperatures.

9. Lock Nut
Self-Locking, to enable easy removal for servicing.

2. Hallite Rod Wiper
Polyurethane, prevents contaminants from entering the cylinder, for maximum protection of internal components.



10. Pins
45 Steel, zinc plated.

11. O-Ring
Buna-N, ensures a positive seal between rod and piston.

12. Piston
45 Steel, for increased durability.

1. Clevis Attachment
New FEM style clevis is now 5/8" thick on 3 1/2"; 3/4" thick on 4" and 1" thick on 5" bore models to allow for a wider range of mobile or industrial applications. Clevis ZG270-500 steel casting.

14. Rod
45 Steel, induction hardened to 45-50 Rockwell C and chrome plated 0.0008" to 0.001" thick for a final surface hardness of 69-71 Rockwell C.

13. Tube
20 Steel, with a micro-honed finish.

16. Cylinder Head
45 Steel, with 25% longer thread for increased strength. Threaded design ensures easy disassembly to allow for quick seal replacement.

15. FEM Cylinder
Now Primed and Painted Gloss Black.