

Eaton Express – Vickers® cylinder shipment program



Eaton Express...
when you need it fast.



Powering Business Worldwide

Eaton Express – cylinder shipment program

Eaton offers the world's broadest line of industrial Hydraulic, Pneumatic, and Electro-Hydraulic cylinders. And now a wide range of Vickers® standard, tie-rod Hydraulic and Pneumatic cylinders are offered with 3-day Express shipment.

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Program guidelines

- All **Express** orders received by 12:00pm CST will ship from Eaton's facility by the end of the third day after order receipt.
- Eaton standard warranty applies to all cylinders shipped with **Express** shipment program.
- Maximum order quantity of five per model code, per ship-to address.
- The **Express** shipment program only applies to standard cataloged products within the scope of the offering listed in the table attached. The Express shipment offering is subject to change in the future.
- **Express** orders must be on a separate order from non-**Express** items.
- All orders must be drop shipped to the end-customer's location. Orders will not be shipped to U.S. distributor locations under this program. Exceptions will be made for shipments to Canada and Mexico only.
- No premium charge, standard distributor discounts apply.
- Email **Express** orders directly to **Express@Eaton.com**, or contact your Eaton customer service representative for assistance.
- Eaton reserves the right to refuse any order due to temporary inability to deliver.
- Valid customer ship-to information and routing instructions are required at the time of order placement, or previously established within the Eaton order entry system.

Eaton Express ready:

NZ

High pressure, Hydraulic tie rod

- ANSI/NFPA
- Single rod
- 1.5"-6" Bore with stroke lengths to 60"
- Variety of mount styles including side lug rectangular flange head/ cap, rectangular head/ cap, clevis, and no mount
- All rod end styles or minor modification
- Extra rod projection
- Standard SAE, NPTF, & BSPP porting in any position
- Standard cushions (optional)
- Stop tubes
- Normal & high temperature seals
- Additional wrench flats

RE, RF

Lower pressure, Hydraulic/ Pneumatic tie rod

- ANSI/NFPA
- Single rod
- 1.5"-6" Bore with stroke lengths to 60"
- Variety of mount styles including side lug, rectangular flange head/ cap, clevis, and no mount
- All rod end styles or minor modification
- Extra rod projection
- Standard SAE & NPTF porting in any position
- Standard cushions (optional)
- Standard & high temperature Viton® seals
- Additional wrench flats

TA, TB

Medium pressure, Hydraulic/Pneumatic threaded

- Single rod
- 3/4"-3" Bore with stroke lengths to 60"
- Variety of mount styles including side, head square, clevis, cap square, tapped head, threaded head
- All rod end styles (not modified)
- Extra rod projection
- Standard SAE & NPTF porting in most positions
- Standard cushions (optional)
- Standard & high temperature Viton® seals
- Additional wrench flats

VP

Aluminum, Pneumatic tie rod

- ANSI/NFPA
- Single rod
- 1.5"-8" Bore with stroke lengths to 60"
- Variety of mount styles including side/end lugs, head/cap rectangular flange, head/cap square, extended tie rod, no mounts, and many more
- All rod end styles
- Standard NPTF porting in any position
- Standard cushions (optional)
- Standard & high temperature Viton® seals

Models	Bores	Rods	Rod Ends	Piston Rod Mods	Ports (Any Position)	Port Modes	Cushions (Any Position)	Seal System	Mounts Available	Strokes Available	Stop Tube
NZ single rod	1 -1/2"	5/8"	1, 2, 5, 6, 7, 9,0, K, L, M, N, G Custom KK & A Dims*	ERP 4/6 wrench flats grub screw piston	SAE, NPTF, or BSPP	Extra ports under size ports	With or without	Normal, High Temp, or Low Friction	01 (MS2)	Up to 60"	Yes
		1"							02 (MS4)		
	2"	1"							07 (MF1)		
		1 -3/8"							09 (ME5)		
	2 -1/2"	1"							10 (MP1)		
		1 -3/8"							12 (MF2)		
	3 -1/4"	1 -3/8"							14 (ME6)		
		1 -3/4"							17 (MT1)**		
	4"	1 -3/4"							21 (MX2)		
		2"							13 (MF6)		
5"	2"	22 (MX3)									
	2 -1/2"	23 (MX1)									
6"	2 -1/2"	24 (MX0)									
	3"										
RE/RF single rod	1 -1/2"	5/8"	2, 4, 5, 6 custom KK & A Dims*	ERP 4/6 wrench flats grub screw piston	SAE or NPTF	Extra ports under size ports	With or without	Type N or type T	01 (MS2)	Up to 60"	Yes
		1"							02 (MS4)		
	2"	5/8"							07 (MF1)		
		1"							10 (MP1)		
	2 -1/2"	5/8"							12 (MF2)		
		1"							21 (MX2)		
	3 -1/4"	1"							22 (MX3)		
		1 -3/8"							23 (MX1)		
	4"	1"							24 (MX0)		
		1 -3/8"							17(MT1)**		
5"	1"										
	1 -3/8"										
6"	1 -3/8"										
	1 -3/4"										
VP single rod	1 -1/2"	5/8"	2, 5, 6, 9	None	NPTF	None	With or without	Type A or type T	01 (MS2)	Up to 60"	No
		1"							02 (MS4)		
	2"	5/8"							03 (MS7)		
		1"							07 (MF1)		
	2 -1/2"	5/8"							08 (ME3)		
		1"							10 (MP1)		
	3 -1/4"	3/4"							12 (MF2)		
		1 -3/8"							13 (ME4)		
	4"	3/4"							21 (MX2)		
		1 -3/8"							22 (MX3)		
5"	3/4"	24 (MX0)									
	1 -3/8"	45 (MS1)									
6"	1"	48 (MP4)									
	1 -3/4"	50 (MP2)									
7"	1"										
	1 -3/4"										
8"	1"										
	1 -3/4"										

* "KK" = OD thread, "A" = thread length. "KK" Threads are limited to standard threads in the catalog that are non-standard for that rod size/type. The thread length "A" < 2.5 X Piston Rod Diameter

**These mounts limited to 4" bores and smaller

Models	Bores	Rods	Rod Ends	Piston Rod Mods	Ports* (Most Position)	Port Modes	Cushions *,**(Most Position)	Seal System	Mounts Available	Strokes Available	Stop Tube
TA/TB	3/4	3/8"	2, 4, 6	ERP	SAE or NPTF	None	With or without	Type A or type D	01	Up to 60"	No
single rod	1"	1/2"		4/6 wrench flats					07		
	1 -1/2"	1/2"							10		
	2"	3/4"							12		
	2 -1/2"	3/4"							18		
	3"	1"							20		

* Port & cushion in location #1 for foot mount (01), for mounting codes 07, 10 and 12, ports position #4 only

**No cushion on 3/4" & 1" bore

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