

Eaton Express – Hydro-Line® cylinder shipment program



**Eaton Express...**  
when you need it fast.



**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 Eaton's Hydro-Line® standard, tie-rod Hydraulic and Pneumatic cylinders are offered with 3-day Express shipment.

# Eaton Express – Hydro-Line® cylinder shipment program

## 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:

### N5

#### 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

### R5, HR5

#### 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)
- Stop tubes
- Standard & high temperature Viton® seals
- Additional wrench flats

### TS, HTS

#### 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

### Hydro-Line® Q6

#### 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, clevis, head/cap rectangular flange, head/cap square, extended tie rod, no mounts, and many more
- All rod end styles
- Standard SAE & 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)	Road Seals	Piston Seals	Mounts Available	Strokes Available	Stop Tube
N5 single rod	1	-1/2"	5/8"	1, 1X, 2, 2X, 4, 5, 6 custom KK & A Dims*	ERP 4/6 wrench flats grub screw piston	SAE, NPTF, or BSPP	Extra ports under size ports	With or without	TYPES: H, V, N, P, OR F	Types: N, V, P, or B	Up to 60"	Yes
			1"									
	2	-1/2"	1"									
			1 -3/8"									
	3	-1/4"	1 -3/8"									
			1 -3/4"									
	4		1 -3/4"									
			2"									
	5		2"									
			2 -1/2"									
6		2 -1/2"										
		3"										
R5 single rod	1	-1/2"	5/8"	1, 1X, 2, 2X, 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 V	Type N or type V	Up to 60"	Yes
			1"									
	2		5/8"									
			1"									
	3	-1/4"	1"									
			1 -3/8"									
	4		1"									
			1 -3/8"									
	5		1"									
			1 -3/8"									
6		1 -3/8"										
		1 -3/4"										
Q6 single rod	1	-1/2"	5/8"	None	SAE or NPTF	None	With or without	Type N or type V	Type N or type V	All Except A (MS2) B (MS4) C (MP1) DC (MP2) DCM (MP4) E (MS7) F (MF1) K (MX0) M (MX3) N (MX2) R (MF2) Y (MS1)	Up to 60"	No
			1"									
	2		5/8"									
			1"									
	3	-1/4"	3/4"									
			1 -3/8"									
	4		3/4"									
			1 -3/8"									
	5		3/4"									
			1 -3/8"									
6		1"										
		1 -3/4"										
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)	Rod Seals	Piston Seals	Mounts Available	Strokes Available	Stop Tube
TS/HTS	3/4"	3/8"	4, 6	ERP	SAE or NPTF	None	With or without	Type H or type V	Type N or type V	EE	Up to 60"	No
single rod	1"	1/2"		4/6 wrench flats						GG		
	1 -1/2"	1/2"								CF		
	2"	3/4"								PP		
	2 -1/2"	3/4"								FM		
	3"	1"								TH		

\* Port & cushion in location #1 for foot mount (EE), for mounting codes GG, CF and PP, ports position #4 only  
 \*\*No cushion on 3/4" & 1" bore

Eaton  
 Hydraulics Group USA  
 14615 Lone Oak Road  
 Eden Prairie, MN 55344  
 USA  
 Tel: 952-937-9800  
 Fax: 952-294-7722  
[www.eaton.com/hydraulics](http://www.eaton.com/hydraulics)

Eaton  
 Hydraulics Group Europe  
 Route de la Longeraie 7  
 1110 Morges  
 Switzerland  
 Tel: +41 (0) 21 811 4600  
 Fax: +41 (0) 21 811 4601

Eaton  
 Hydraulics Group Asia Pacific  
 Eaton Building  
 No.7 Lane 280 Linhong Road  
 Changning District, Shanghai  
 200335 China  
 Tel: (+86 21) 5200 0099  
 Fax: (+86 21) 2230 7240