

# CATFORD ENGINEERING

HYDRAULIC PRODUCTS



**"A 100% Australian Owned & Operated Company"**



3 Port Bush Cylinders

The grub screw opposite the grease nipple is to lock the Bush into place.

Machined Bushes to suit different size pins are NOT INCLUDED

To use different size pins Bore out or machine Bushes to suit your pins.

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ISO 9001  
Quality



ISO 14001  
Environment



OHSAS 18001  
Health & Safety



## Catford Yellow Line Industrial Bushed End Cylinders

Prices June 2024

Part No.	Bore	Stroke	Rod diameter	Closed length	Open length	Port size	Bush Hole diameter	Bush diameter	Bush width		Weight KG	Price Inc.GST
									Body end	Rod end		
BRY26	2" 50mm	6" 152mm	1-1/4" 32mm	14" - 356mm	20" - 508mm	9/16" UN "O" Ring	1" 25.4mm	2" 50mm	2-1/2" 64mm	2" 50mm	8	\$416
BRY28		8" 203mm		16" - 406mm	24" - 609mm						9	\$427
BRY210		10" 254mm		18" - 457mm	28" - 711mm						10	\$445
BRY212		12" 305mm		20" - 508mm	32" - 813mm						11	\$470
BRY214		14" 356mm		22" - 559mm	36" - 915mm						12	\$481
BRY216		16" 406mm		24" - 610mm	40" - 1016mm						13	\$505
BRY218		18" 457mm		26" - 660mm	44" - 1117mm						14	\$530
BRY220		20" 508mm		28" - 711mm	48" - 1219mm						15	\$550
BRY224		24" 610mm		32" - 813mm	56" - 1423mm						16	\$580

Part No.	Bore	Stroke	Rod diameter	Closed length	Open length	Port size	Bush Hole diameter	Bush diameter	Bush width		Weight KG	Price Inc.GST
									Body end	Rod end		
BRY256	2-1/2" 63mm	6" 152mm	1-1/2" 40mm	14" - 356mm	20" - 508mm	3/4" UN "O" Ring	1-1/4" 31.75mm	2-3/8" 60mm	3" 77mm	2-1/4" 57mm	10	\$481
BRY258		8" 203mm		16" - 406mm	24" - 609mm						11	\$495
BRY2510		10" 254mm		18" - 457mm	28" - 711mm						12	\$520
BRY2512		12" 305mm		20" - 508mm	32" - 813mm						13	\$535
BRY2514		14" 356mm		22" - 559mm	36" - 915mm						14	\$585
BRY2516		16" 406mm		24" - 610mm	40" - 1016mm						15	\$605
BRY2518		18" 457mm		26" - 660mm	44" - 1117mm						16	\$650
BRY2520		20" 508mm		28" - 711mm	48" - 1219mm						17	\$675
BRY2524		24" 610mm		32" - 813mm	56" - 1423mm						18	\$757

Part No.	Bore	Stroke	Rod diameter	Closed length	Open length	Port size	Bush Hole diameter	Bush diameter	Bush width		Weight KG	Price Inc.GST
									Body end	Rod end		
BRY38	3" 75mm	8" 203mm	1-3/4" 45mm	16-1/4" - 412mm	24-1/4" - 615mm	3/4" UN "O" Ring	1-1/4" 31.75mm	2-3/8" 60mm	3-1/2" 89mm	2-1/4" 57mm	15	\$635
BRY310		10" 254mm		18-1/4" - 463mm	28-1/4" - 717mm						16	\$665
BRY312		12" 305mm		20" - 508mm	32" - 813mm						17	\$697
BRY314		14" 356mm		22" - 559mm	36" - 915mm						18	\$745
BRY316		16" 406mm		24" - 610mm	40" - 1016mm						19	\$778
BRY318		18" 457mm		26" - 660mm	44" - 1117mm						20	\$825
BRY320		20" 508mm		28" - 711mm	48" - 1219mm						21	\$865
BRY324		24" 610mm		32" - 813mm	56" - 1423mm						23	\$975

Part No.	Bore	Stroke	Rod diameter	Closed length	Open length	Port size	Bush Hole diameter	Bush diameter	Bush width		Weight KG	Price Inc.GST
									Body end	Rod end		
BRY48	4" 100mm	8" 203mm	2" 50mm	16" - 406mm	24" - 609mm	3/4" UN "O" Ring	1-1/4" 31.75mm	2-3/8" 60mm	4-5/8" 119mm	2-1/2" 63mm	25	\$975
BRY410		10" 254mm		18-1/4" - 463mm	28-1/4" - 717mm						27	\$985
BRY412		12" 305mm		20" - 508mm	32" - 813mm						29	\$990
BRY414		14" 356mm		22-1/4" - 565mm	36-1/4" - 921mm						31	\$1,060
BRY416		16" 406mm		24-1/4" - 616mm	40-1/4" - 1020mm						32	\$1,130
BRY418		18" 457mm		26-1/4" - 666mm	44-1/4" - 1123mm						34	\$1,185
BRY420		20" 508mm		28-1/4" - 717mm	48-1/4" - 1225mm						36	\$1,270
BRY424		24" 610mm		32" - 813mm	56" - 1423mm						39	\$1,350

# Catford Yellow Line Industrial Grade Hydraulic Bush Cylinders

**Cylinder Type:**

\* Double acting with bush ends

**3 Port Cylinder**

\* Allowing simple easy access around machinery brackets

**Cylinder Working Pressure:**

\* 210 Bar - 3045 PSI

**Cylinder Test Pressure**

\* 315 Bar - 4568 PSI

**Bush End Head with Ports, Rod End Bush and Piston Material:**

- \* EN8D/C45 tensile strength - 650 N/mm<sup>2</sup>
- \* Rod bush and barrel bush are fully machined, not foundry cast steel

**Tube Material:**

- \* CDS ST52/E355 steel tube
- \* Seamless steel tube accurately honed to ensure smooth operation and extended seal life



**Seals Maximum Operating Pressures and Conditions**

- \* Pressures: 414 Bar - 6000 PSI
- \* Temperature: -30°C to +110°C
- \* Speed: 0.5 metres per second
- \* Shock and load holding capabilities
- \* Double acting K-DAS piston seal providing positive displacement under all rated pressure situations

**Gland Material:**

- \* SG IRON SG500/7 Spheroidal Graphite cast iron

**Machining Tolerances:**

- \* All threads machined to 2A/B specification
- \* All pin holes machined to D9 tolerance
- \* All machine surface finishes to be 3.2um Ra.



**Rod Material & Hardening:**

- \* EN8D/C45 round bar
- \* Toughened and induction hardened
- \* Chrome thickness: 20 to 30 Microns hard chromed piston rod for superior corrosion resistance (rods chromed in house)

All our products are certified worldwide with the following ISO standard:

- \* ISO 9001-2008 standard
- \* ISO 14001 & OSHAS 18001
- \* ISO 3834-2 (Fusion Welding Process)

**Colour**

- \* Choice of industrial gloss yellow or industrial gloss black

The logo for Catford Engineering Hydraulic Products, featuring the word 'CATFORD' in large letters above 'ENGINEERING' and 'HYDRAULIC PRODUCTS' below. To the right is a photograph of the company's industrial building.

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