

CATFORD ENGINEERING

HYDRAULIC PRODUCTS



Front End Loader Industrial Grade Hydraulic Cylinders

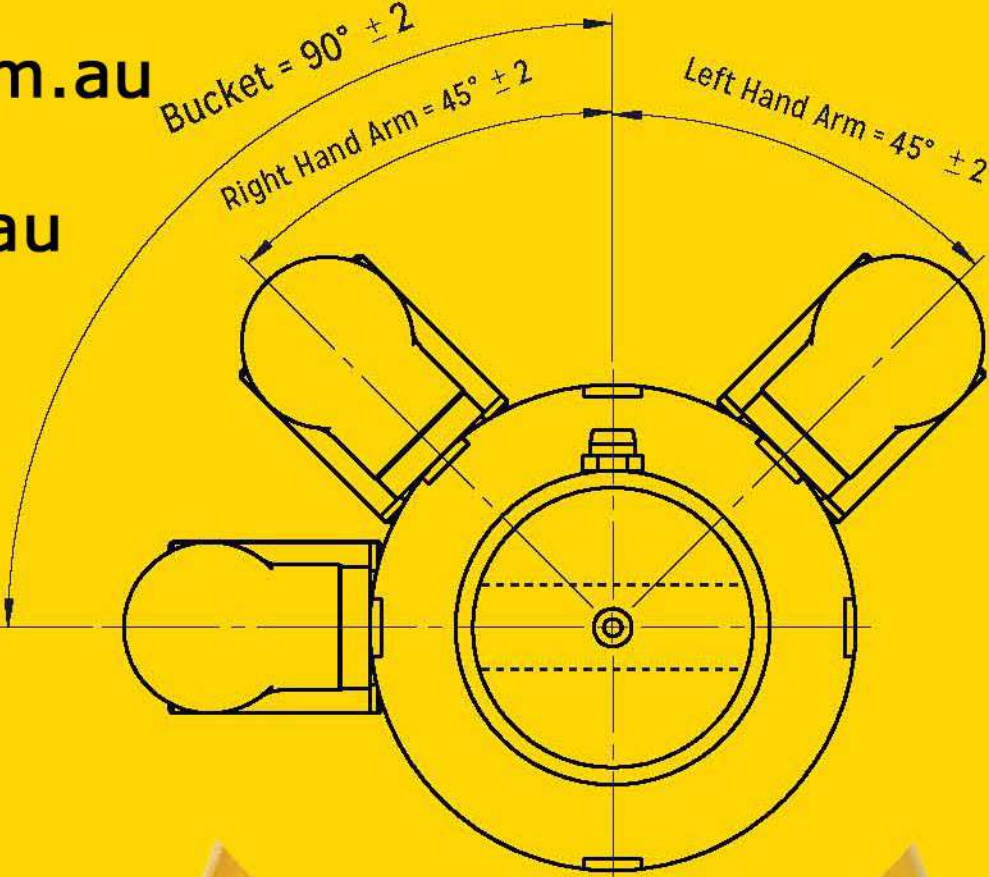
Colour: Choice of Gloss Yellow or Gloss Black

Net Prices and Specifications

Part No.	Cylinder Type	Bore	Stroke	Rod Diameter	Closed Length	Open Length	Port Size	Pin Diameter	Weight	Prices Inc. GST
FEL2516-B	Bucket	2 1/2" 63mm	16" 406mm	1 1/2" 40mm	25 1/4" 641mm	41 1/4" 1047mm	3/8" BSP	1" 25.4mm	15kg	\$670
FEL2522-B	Bucket		22 1/4" 565mm		31 1/2" 800mm	53 3/4" 1365mm			18kg	\$730
FEL2530-RH	Arm-Right Hand		30" 762mm		39 1/4" 997mm	69 1/4" 1759mm			21kg	\$810
FEL2530-LH	Arm - Left Hand		30" 762mm		39 1/4" 997mm	69 1/4" 1759mm			21kg	\$810
FEL316-B	Bucket	3" 75mm	16" 406mm	1 3/4" 45mm	25 1/4" 641mm	41 1/4" 1047mm			20kg	\$810
FEL322-B	Bucket		22 1/4" 565mm		31 1/2" 800mm	53 3/4" 1365mm			23kg	\$850
FEL3265-RH	Arm-Right Hand		26 1/2" 673mm		35 7/8" 910mm	62 3/8" 1583mm			25kg	\$925
FEL3265-LH	Arm - Left Hand		26 1/2" 673mm		35 7/8" 910mm	62 3/8" 1583mm			25kg	\$925
FEL330-RH	Arm-Right Hand		30" 762mm		39 1/4" 997mm	69 1/4" 1759mm			27kg	\$935
FEL330-LH	Arm - Left Hand		30" 762mm		39 1/4" 997mm	69 1/4" 1759mm			27kg	\$935

Retail Prices June 2024

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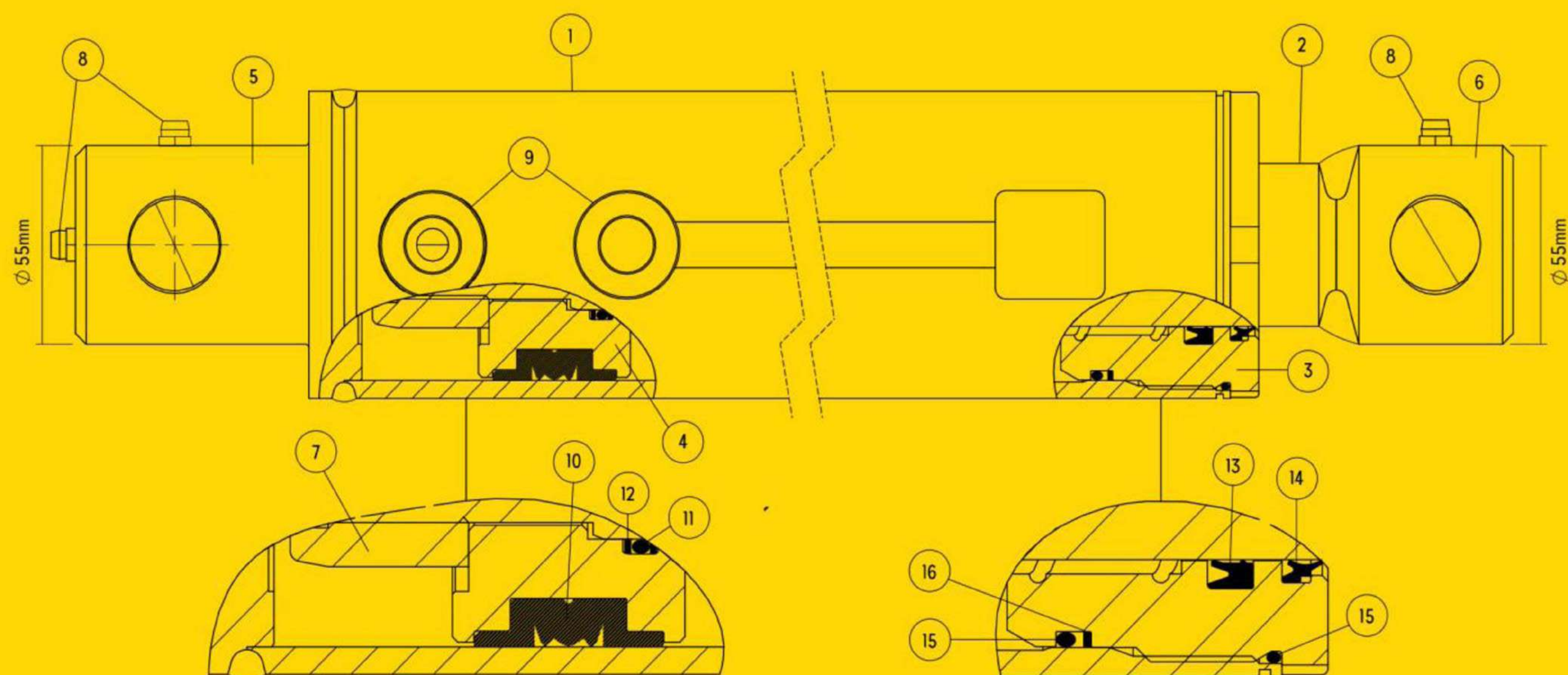


- Machining Tolerances:**
- All threads machined to 2A/B specification
 - All pin holes machined to D9 tolerance
 - All machine surface finishes to be 3.2um Ra.



Catford Yellow Line

Front End Loader Industrial Grade Hydraulic Cylinders



PART	DESCRIPTION
1 CYLINDER TUBE	CDS ST52/E355 seamless steel tube, accurately honed to ensure smooth operation and extended seal life.
2 PISTON ROD	High precision grounded, EN8D/C45 round bars, toughened and induction hardened, hard chrome plated with deposit of 20-30 microns, tensile strength - 600 N/mm ² .
3 GLAND	Ductile cast iron - SG500/7, tensile strength - 500 N/mm ² .
4 PISTON	EN8D/C45 round bars, tensile strength - 650 N/mm ² .
5 REAR END BUSH	EN8D/C45 round bars, tensile strength - 650 N/mm ² .
6 FRONT END BUSH	EN8D/C45 round bars, tensile strength - 650 N/mm ² .
7 PISTON NUT	Gr 6 = Nyloc nut material UTS = 600N/mm ² .
8 GREASE NIPPLES	Grease nipples N8X1 - 25mm
9 PORTS	3/8" BSP Ports

PART	DESCRIPTION
10 PISTON SEAL	Double acting high pressure, heavy duty seal comprising an elastomeric profile seal ring, two back up rings & two guide rings. K-DAS piston seal.
11 PISTON O-RING	NBR O-ring, acrylonitrile-butadiene rubber (nitrile rubber).
12 PISTON BACK UP RING	PTFE back up ring, polytetrafluoroethylene, internal and external high pressure application, reciprocating and rotating movement, capable of large temperature fluctuations, static and dynamic suited.
13 ROD PRESSURE SEAL U-CUP	Double lip single acting seal with acetal polyamide back up ring for high pressure applications, abrasive and wear resistant, compensates deflections of piston rod, restricts air and dirt entry to system, suited to sudden load and high pressure, simple installation.
14 WIPER SEAL	Wiper seal ensures that foreign matter is not introduced into the system, PU material, compact design and ease of installation.
15 GLAND O-RING	NBR O-ring, acrylonitrile-butadiene rubber (nitrile rubber).
16 GLAND BACK UP RING	PTFE back up ring, polytetrafluoroethylene, internal and external high pressure application, reciprocating and rotating movement, capable of large temperature fluctuations, static and dynamic suited.

Front End Loader Extension/Retraction Force

Cylinder Bore	Maximum Extension Force	Rod Size	Maximum Retraction Force	PSI
2 1/2" - 63mm	5.6 tonne	1 1/2" - 40mm	3.6 tonne	2500
2 1/2" - 63mm	6.7 tonne	1 1/2" - 40mm	4.3 tonne	3000
3" - 75mm	8.0 tonne	1 3/4" - 45mm	5.3 tonne	2500
3" - 75mm	9.6 tonne	1 3/4" - 45mm	6.3 tonne	3000

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