

CATFORD HYDRAULICS PTY LTD

Cylinder Type:

- Double Acting with Clevis ends

4 Port Cylinder:

- Allowing simple easy access around machinery brackets

Cylinder Working Pressure:

- 210 Bar - 3045 PSI

Cylinder Test Pressure:

- 315 Bar - 4568 PSI

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

**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

Tube Material:

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

End Head, Rod End and Piston Material:

- EN8D/C45 tensile strength - 650 N/mm²

Gland Material:

- SG IRON SG500/7 Spheroidal Graphite Cast Iron

Colour:

- Choice of Industrial Gloss Yellow or Industrial Gloss Black

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.

Email: sales@catford.com.au

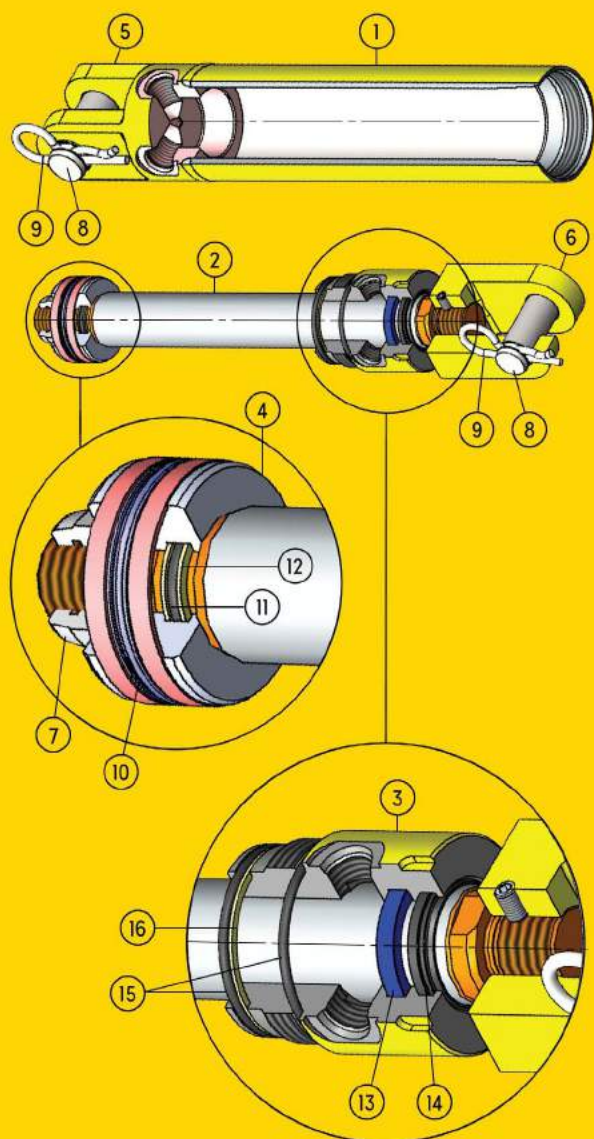
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HYDRAULICS PTY LTD

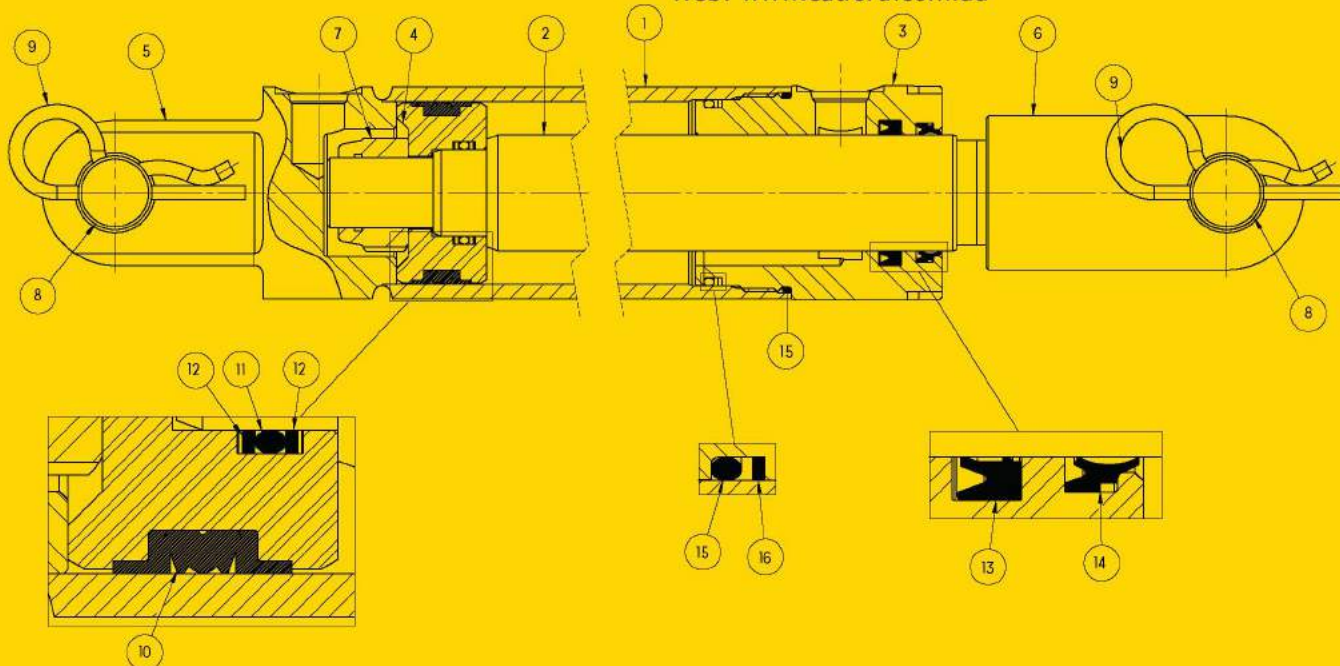


PART	DESCRIPTION
1 CYLINDER TUBE	CDS ST52/E355 seamless steel tube, accurately honed to ensure smooth operation and extended seal life.
2 PISTON ROD	High precision grounded, EN8D/C45 round bars, toughened and induction hardened, hard chrome plated with deposit of 20-30 microns, tensile strength - 600 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 CLEVIS	EN8D/C45 round bars, tensile strength - 650 N/mm ² .
6 FRONT CLEVIS	EN8D/C45 round bars, tensile strength - 650 N/mm ² .
7 PISTON NUT	Gr 6 = Nyloc nut material UTS = 600N/mm ² .
8 CLEVIS PIN	EN24 - toughened, BS970 round bars, tensile strength - 750 N/mm ² .
9 BETA PIN	Spring steel for durability and ease of installation/removal.
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	PTEF 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	PTEF back up ring, polytetrafluoroethylene, internal and external high pressure application, reciprocating and rotating movement, capable of large temperature fluctuations, static and dynamic suited.

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Part No.	Bore	Stroke	Rod diameter	Closed length	Open length	Port size	Pin diameter	Weight KG	Price Inc. GST
CRY152	1 1/2" 40mm	2" - 51mm	7/8" 22mm	11 1/2" - 292mm	13 1/2" - 343mm	9/16" UN "O" Ring	3/4" 19.05mm	6.4	\$305
CRY154		4" - 102mm		13 1/2" - 343mm	17 1/2" - 444mm			6.7	\$310
CRY156		6" - 152mm		15 1/2" - 393mm	21 1/2" - 546mm			7	\$315
CRY158		8" - 203mm		17 1/2" - 444mm	25 1/2" - 647mm			7.3	\$320
CRY1510		10" - 254mm		19 1/2" - 495mm	29 1/2" - 749mm			7.5	\$325
CRY1512		12" - 305mm		21 1/2" - 546mm	33 1/2" - 851mm			7.8	\$330
CRY1514		14" - 356mm		23 1/2" - 597mm	37 1/2" - 953mm			8.1	\$355
CRY1516		16" - 406mm		25 1/2" - 647mm	41 1/2" - 1053mm			8.3	\$365
CRY1518		18" - 457mm		27 1/2" - 698mm	45 1/2" - 1155mm			8.6	\$375
CRY1520		20" - 508mm		29 1/2" - 749mm	49 1/2" - 1257mm			8.9	\$380
CRY1522		22" - 559mm		31 1/2" - 800mm	53 1/2" - 1359mm			9.3	\$396
CRY1524		24" - 610mm		33 1/2" - 851mm	57 1/2" - 1460mm			9.4	\$410
CRY1530		30" - 762mm		39 1/2" - 1003mm	69 1/2" - 1765mm			10.2	\$440
CRY1536		36" - 914mm		45 1/2" - 1155mm	81 1/2" - 2069mm			11	\$485
CRY1548		48" - 1219mm		57 1/2" - 1460mm	105 1/2" - 2679mm			13.5	\$550
CRY22	2" 50mm	2" - 51mm	1 1/4" 32mm	14 1/4" - 362mm	16 1/4" - 413mm	9/16" UN "O" Ring	1" 25.4mm	6.6	\$310
CRY24		4" - 102mm		16 1/4" - 413mm	20 1/4" - 514mm			7.4	\$315
CRY26		6" - 152mm		18 1/4" - 463mm	24 1/4" - 616mm			8.2	\$320
CRY28		8" - 203mm		20 1/4" - 514mm	28 1/4" - 717mm			9	\$325
CRY210		10" - 254mm		22 1/4" - 565mm	32 1/4" - 819mm			9.8	\$330
CRY212		12" - 305mm		24 1/4" - 616mm	36 1/4" - 921mm			10.6	\$345
CRY214		14" - 356mm		26 1/4" - 667mm	40 1/4" - 1022mm			11.2	\$360
CRY216		16" - 406mm		28 1/4" - 717mm	44 1/4" - 1123mm			12.2	\$370
CRY218		18" - 457mm		30 1/4" - 768mm	48 1/4" - 1225mm			13	\$375
CRY220		20" - 508mm		32 1/4" - 819mm	52 1/4" - 1327mm			13.8	\$385
CRY222		22" - 559mm		34 1/4" - 870mm	56 1/4" - 1429mm			14.6	\$405
CRY224		24" - 610mm		36 1/4" - 921mm	60 1/4" - 1530mm			15.4	\$420
CRY226		26" - 660mm		38 1/4" - 971mm	64 1/4" - 1631mm			16.2	\$440
CRY228		28" - 711mm		40 1/4" - 1022mm	68 1/4" - 1733mm			17	\$485
CRY230		30" - 762mm		42 1/4" - 1073mm	72 1/4" - 1835mm			17.8	\$510
CRY236	2 1/2" 63mm	36" - 914mm	1 1/2" 40mm	48 1/4" - 1225mm	84 1/4" - 2139mm	3/4" UN "O" Ring	1" 25.4mm	20.2	\$530
CRY242		42" - 1067mm		54 1/4" - 1378mm	96 1/4" - 2445mm			22.6	\$590
CRY248		48" - 1219mm		60 1/4" - 1530mm	108 1/4" - 2749mm			25	\$610
CRY252		2" - 51mm		14 1/4" - 362mm	16 1/4" - 413mm			8.6	\$315
CRY254		4" - 102mm		16 1/4" - 413mm	20 1/4" - 514mm			9.1	\$320
CRY256		6" - 152mm		18 1/4" - 463mm	24 1/4" - 616mm			9.8	\$325
CRY258		8" - 203mm		20 1/4" - 514mm	28 1/4" - 717mm			10.8	\$330
CRY2510		10" - 254mm		22 1/4" - 565mm	32 1/4" - 819mm			11.9	\$336
CRY2512		12" - 305mm		24 1/4" - 616mm	36 1/4" - 921mm			12.8	\$345
CRY2514		14" - 356mm		26 1/4" - 667mm	40 1/4" - 1022mm			13.6	\$350
CRY2516		16" - 406mm		28 1/4" - 717mm	44 1/4" - 1123mm			14.1	\$355
CRY2518		18" - 457mm		30 1/4" - 768mm	48 1/4" - 1225mm			14.8	\$360
CRY2520		20" - 508mm		32 1/4" - 819mm	52 1/4" - 1327mm			15.7	\$385
CRY2522		22" - 559mm		34 1/4" - 870mm	56 1/4" - 1429mm			16.6	\$396
CRY2524		24" - 610mm		36 1/4" - 921mm	60 1/4" - 1530mm			17.6	\$420
CRY2526	2 1/2" 63mm	26" - 660mm	1 1/2" 40mm	38 1/4" - 971mm	64 1/4" - 1631mm	3/4" UN "O" Ring	1" 25.4mm	18.6	\$465
CRY2528		28" - 711mm		40 1/4" - 1022mm	68 1/4" - 1733mm			19.7	\$495
CRY2530		30" - 762mm		42 1/4" - 1073mm	72 1/4" - 1835mm			20.6	\$510
CRY2536		36" - 914mm		48 1/4" - 1225mm	84 1/4" - 2139mm			23.2	\$540
CRY2542		42" - 1067mm		54 1/4" - 1378mm	96 1/4" - 2445mm			26.2	\$650
CRY2548		48" - 1219mm		60 1/4" - 1530mm	108 1/4" - 2749mm			29.1	\$710

Part No.	Bore	Stroke	Rod diameter	Closed length	Open length	Port size	Pin diameter	Weight KG	Price Inc. GST
CRY32	3" 90mm	2" - 51mm	1 1/2" 40mm	14 1/4" - 362mm	16 1/4" - 413mm	3/4" UN "O" Ring	1" 25.4mm	11.6	\$320
CRY34		4" - 102mm		16 1/4" - 413mm	20 1/4" - 515mm			12.6	\$325
CRY36		6" - 152mm		18 1/4" - 463mm	24 1/4" - 616mm			13.4	\$330
CRY38		8" - 203mm		20 1/4" - 514mm	28 1/4" - 717mm			14.5	\$345
CRY310		10" - 254mm		22 1/4" - 565mm	32 1/4" - 819mm			15.5	\$365
CRY312		12" - 305mm		24 1/4" - 616mm	36 1/4" - 921mm			16.7	\$385
CRY314		14" - 356mm		26 1/4" - 667mm	40 1/4" - 1023mm			17.4	\$415
CRY316		16" - 406mm		28 1/4" - 717mm	44 1/4" - 1124mm			18.5	\$425
CRY318		18" - 457mm		30 1/4" - 768mm	48 1/4" - 1225mm			19.3	\$440
CRY320		20" - 506mm		32 1/4" - 819mm	52 1/4" - 1327mm			20.5	\$485
CRY322		22" - 559mm		34 1/4" - 870mm	56 1/4" - 1429mm			21.6	\$515
CRY324		24" - 610mm		36 1/4" - 921mm	60 1/4" - 1531mm			22.7	\$530
CRY326		26" - 660mm		38 1/4" - 971mm	64 1/4" - 1632mm			23.9	\$565
CRY328		28" - 711mm		40 1/4" - 1022mm	68 1/4" - 1733mm			25.2	\$580
CRY330		30" - 762mm		42 1/4" - 1073mm	72 1/4" - 1835mm			26.4	\$620
CRY336		36" - 914mm		48 1/4" - 1225mm	84 1/4" - 2139mm			30	\$660
CRY342		42" - 1067mm		54 1/4" - 1378mm	96 1/4" - 2445mm			33.3	\$730
CRY348		48" - 1219mm		60 1/4" - 1530mm	108 1/4" - 2749mm			36.9	\$820
CRY356	3 1/2" 90mm	6" - 152mm	1 3/4" 45mm	18 1/4" - 463mm	24 1/4" - 616mm	3/4" UN "O" Ring	1" 25.4mm	18.1	\$410
CRY358		8" - 203mm		20 1/4" - 514mm	28 1/4" - 717mm			19.7	\$415
CRY3510		10" - 254mm		22 1/4" - 565mm	32 1/4" - 819mm			21.2	\$455
CRY3512		12" - 305mm		24 1/4" - 616mm	36 1/4" - 921mm			22.8	\$485
CRY3514		14" - 356mm		26 1/4" - 667mm	40 1/4" - 1023mm			24.4	\$495
CRY3516		16" - 406mm		28 1/4" - 717mm	44 1/4" - 1124mm			25.9	\$510
CRY3518		18" - 457mm		30 1/4" - 768mm	48 1/4" - 1225mm			27.4	\$545
CRY3520		20" - 508mm		32 1/4" - 819mm	52 1/4" - 1327mm			29	\$565
CRY3524		24" - 610mm		36 1/4" - 921mm	60 1/4" - 1531mm			32.1	\$580
CRY3530		30" - 762mm		42 1/4" - 1073mm	72 1/4" - 1835mm			36.7	\$660
CRY3536		36" - 914mm		48 1/4" - 1225mm	84 1/4" - 2139mm			41.4	\$760
CRY3542		42" - 1067mm		54 1/4" - 1378mm	96 1/4" - 2445mm			46.1	\$825
CRY3548		48" - 1219mm		60 1/4" - 1530mm	108 1/4" - 2749mm			50.7	\$880
CRY48	4" 100mm	8" - 203mm	1 3/4" 45mm	20 1/4" - 514mm	28 1/4" - 717mm	3/4" UN "O" Ring	1" 25.4mm	22	\$440
CRY410		10" - 254mm		22 1/4" - 565mm	32 1/4" - 819mm			23.5	\$485
CRY412		12" - 305mm		24 1/4" - 616mm	36 1/4" - 921mm			25	\$510
CRY414		14" - 356mm		26 1/4" - 667mm	40 1/4" - 1023mm			26.5	\$520
CRY416		16" - 406mm		28 1/4" - 717mm	44 1/4" - 1124mm			28	\$550
CRY418		18" - 457mm		30 1/4" - 768mm	48 1/4" - 1225mm			29.7	\$575
CRY420		20" - 508mm		32 1/4" - 819mm	52 1/4" - 1327mm			31.4	\$605
CRY424		24" - 610mm		36 1/4" - 921mm	60 1/4" - 1531mm			34.6	\$660
CRY430		30" - 762mm		42 1/4" - 1073mm	72 1/4" - 1835mm			39	\$726
CRY436		36" - 914mm		48 1/4" - 1225mm	84 1/4" - 2139mm			45	\$850
CRY442		42" - 1067mm		54 1/4" - 1378mm	96 1/4" - 2445mm			49.5	\$880
CRY448		48" - 1219mm		60 1/4" - 1530mm	108 1/4" - 2749mm			55	\$970
CRY58	5" 125mm	8" - 203mm	2" 50mm	20 1/4" - 514mm	28 1/4" - 717mm	3/4" UN "O" Ring	1" 25.4mm	31	\$726
CRY512		12" - 305mm		24 1/4" - 616mm	36 1/4" - 921mm			35	\$815
CRY516		16" - 406mm		28 1/4" - 717mm	44 1/4" - 1124mm			39.1	\$895
CRY518		18" - 457mm		30 1/4" - 768mm	48 1/4" - 1225mm			41.1	\$950
CRY520		20" - 508mm		32 1/4" - 819mm	52 1/4" - 1327mm			43.2	\$980
CRY524	5" 125mm	24" - 610mm	2 1/2" 63mm	36 1/4" - 921mm	60 1/4" - 1531mm	3/4" UN "O" Ring	1" 25.4mm	53	\$1,180
CRY530		30" - 762mm		42 1/4" - 1073mm	72 1/4" - 1835mm			60.5	\$1,310
CRY536		36" - 914mm		48 1/4" - 1225mm	84 1/4" - 2139mm			68.2	\$1,485
CRY542		42" - 1067mm		54 1/4" - 1378mm	96 1/4" - 2445mm			75.9	\$1,630
CRY548		48" - 1219mm		60 1/4" - 1530mm	108 1/4" - 2749mm			83.2	\$1,740

Catford Yellow Line Industrial Grade Hydraulic Agricultural Cylinders

Cylinder Type:

* Double acting with clevis ends

4 Port Cylinder

* Allowing simple easy access around machinery brackets

Cylinder Working Pressure:

* 210 Bar - 3045 PSI

Cylinder Test Pressure

* 315 Bar - 4568 PSI

Clevis End Head with Ports, Rod End Clevis and Piston Material:

- * EN8D/C45 tensile strength - 650 N/mm²
- * Rod clevis and barrel clevis 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

Machining Tolerances:

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

Colour

- * Choice of industrial gloss yellow or industrial gloss black



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)

Gland Material:

- * SG IRON SG500/7 Spheroidal Graphite cast iron

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)



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CATFORD
ENGINEERING
HYDRAULIC PRODUCTS

