

Northstar Hydraulics

Utility Welded Hydraulic Cylinder – 3000 PSI WC



WC Welding Clevis Double Cylinder With:

Rod: Steel 1045, rod with 28-32 HRC hardness, 0.001"chrome thickness. ASTM B117-18 salt spray testing up to 96 hours.

Tube: Precision honed steel for extended seal life.

Gland: Ductile Iron ASTM A536 65-45-12.

Piston: Ductile Iron ASTM A536 65-45-12, for increased durability.

Base end/Rod Clevis: Casting-steel welding with tube, pins and clips included.

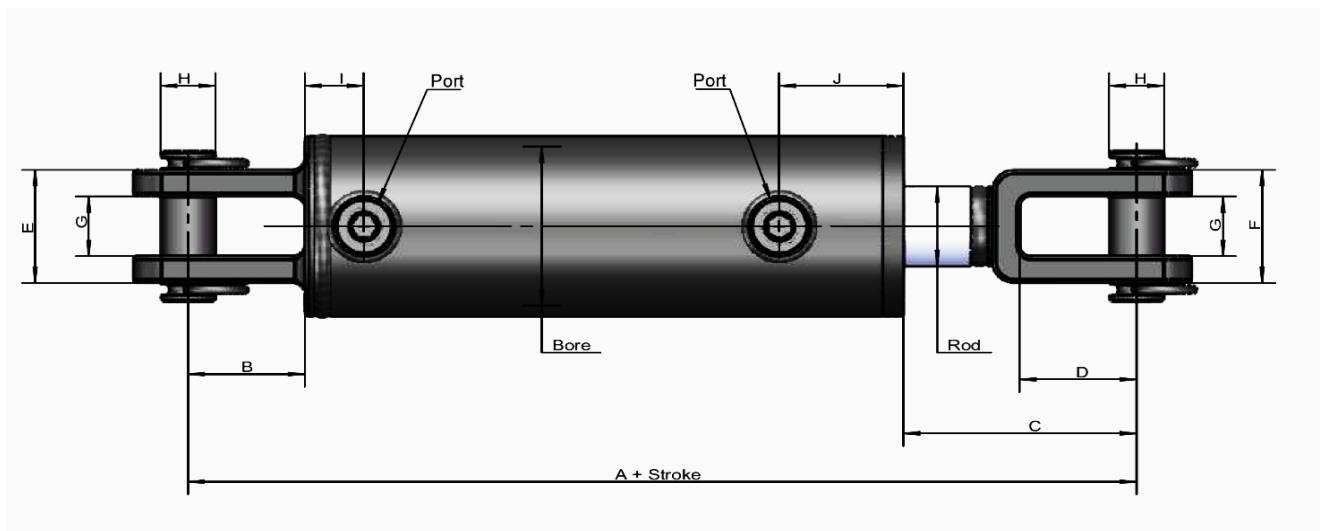
Ports: Standard SAE (NPT available upon request)

PIN: Steel, zinc plated

Seals: Top quality, North American Seals

Construction: Heavy Duty welded construction

Paint: High quality paint. Corrosion resistance up to 360 hours.
(Standard colour: Black)



BORE	ROD	PORTS	A	B	C	D	E	F	G	H	I	J
2.00"	1.25"	SAE 6	10.25"	2.125"	3.72"	2.125"	2.125"	2.125"	1.125"	1.000"	0.894"	1.937"
2.50"	1.50"	SAE 8	10.25"	2.125"	3.53"	2.125"	2.125"	2.125"	1.125"	1.000"	0.894"	1.925"
3.00"	1.50"	SAE 8	10.25"	2.125"	3.24"	2.125"	2.125"	2.125"	1.125"	1.000"	1.071"	2.264"
3.50"	1.75"	SAE 8	10.25"	2.125"	3.18"	2.125"	2.386"	2.386"	1.125"	1.000"	1.071"	2.165"
4.00"	2.00"	SAE 8	10.25"	2.125"	3.44"	2.125"	2.386"	2.386"	1.125"	1.000"	1.071"	2.047"

- For 8" ASAE Stroke: A = 12.25
- *All numbers given are nominal values and should be used for reference only. All product specifications are subject to change without prior notice.

MODEL	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WC-2004-ZX	2" X 4"	14 1/4"	18 1/4"	1 1/4"	1"	SAE 6	9400	14
WC-2006-ZX	2" X 6"	16 1/4"	22 1/4"				9400	16
WC-2008-ZX	2" X 8"	18 1/4"	26 1/4"				9400	17
WC-2008-ASAE-ZX	2" X 8"	20 1/4"	28 1/4"				9400	18
WC-2010-ZX	2" X 10"	20 1/4"	30 1/4"				9400	19
WC-2012-ZX	2" X 12"	22 1/4"	34 1/4"				9400	21
WC-2014-ZX	2" X 14"	24 1/4"	38 1/4"				9400	23
WC-2016-ZX	2" X 16"	26 1/4"	42 1/4"				9400	25
WC-2018-ZX	2" X 18"	28 1/4"	46 1/4"				9400	26
WC-2020-ZX	2" X 20"	30 1/4"	50 1/4"				9100	28
WC-2024-ZX	2" X 24"	34 1/4"	58 1/4"				6700	31
WC-2028-ZX	2" X 28"	38 1/4"	66 1/4"				5200	35
WC-2030-ZX	2" X 30"	40 1/4"	70 1/4"				4600	36
WC-2032-ZX	2" X 32"	42 1/4"	74 1/4"				4100	38
WC-2034-ZX	2" X 34"	44 1/4"	78 1/4"				3700	40
WC-2036-ZX	2" X 36"	46 1/4"	82 1/4"				3400	42
WC-2040-ZX	2" X 40"	50 1/4"	90 1/4"				2800	45
WC-2048-ZX	2" X 48"	58 1/4"	106 1/4"				2000	52
WC-2504-ZX	2.5" X 4"	14 1/4"	18 1/4"	1 1/2"	1"	SAE 8	14700	18
WC-2506-ZX	2.5" X 6"	16 1/4"	22 1/4"				14700	20
WC-2508-ZX	2.5" X 8"	18 1/4"	26 1/4"				14700	23
WC-2508-ASAE-ZX	2.5" X 8"	20 1/4"	28 1/4"				14700	24
WC-2510-ZX	2.5" X 10"	20 1/4"	30 1/4"				14700	25
WC-2512-ZX	2.5" X 12"	22 1/4"	34 1/4"				14700	27
WC-2514-ZX	2.5" X 14"	24 1/4"	38 1/4"				14700	29
WC-2516-ZX	2.5" X 16"	26 1/4"	42 1/4"				14700	32
WC-2518-ZX	2.5" X 18"	28 1/4"	46 1/4"				14700	34
WC-2520-ZX	2.5" X 20"	30 1/4"	50 1/4"				14700	36
WC-2524-ZX	2.5" X 24"	34 1/4"	58 1/4"				14000	40
WC-2528-ZX	2.5" X 28"	38 1/4"	66 1/4"				10800	45
WC-2530-ZX	2.5" X 30"	40 1/4"	70 1/4"				9600	47
WC-2532-ZX	2.5" X 32"	42 1/4"	74 1/4"				8600	49
WC-2534-ZX	2.5" X 34"	44 1/4"	78 1/4"				7700	52
WC-2536-ZX	2.5" X 36"	46 1/4"	82 1/4"				7000	54
WC-2540-ZX	2.5" X 40"	50 1/4"	90 1/4"				5800	58
WC-2548-ZX	2.5" X 48"	58 1/4"	106 1/4"				4200	67
WC-3004-ZX	3" X 4"	14 1/4"	18 1/4"	1 1/2"	1"	SAE 8	21200	22
WC-3006-ZX	3" X 6"	16 1/4"	22 1/4"				21200	24
WC-3008-ZX	3" X 8"	18 1/4"	26 1/4"				21200	27
WC-3008-ASAE-ZX	3" X 8"	20 1/4"	28 1/4"				21200	28
WC-3010-ZX	3" X 10"	20 1/4"	30 1/4"				21200	29
WC-3012-ZX	3" X 12"	22 1/4"	34 1/4"				21200	31
WC-3014-ZX	3" X 14"	24 1/4"	38 1/4"				21200	34
WC-3016-ZX	3" X 16"	26 1/4"	42 1/4"				21200	36

PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WC-3018-ZX	3" X 18"	28 1/4"	46 1/4"	1 1/2"	1"	SAE 8	21200	39
WC-3020-ZX	3" X 20"	30 1/4"	50 1/4"				18800	41
WC-3024-ZX	3" X 24"	34 1/4"	58 1/4"				14000	46
WC-3028-ZX	3" X 28"	38 1/4"	66 1/4"				10800	51
WC-3030-ZX	3" X 30"	40 1/4"	70 1/4"				9600	53
WC-3032-ZX	3" X 32"	42 1/4"	74 1/4"				8600	56
WC-3034-ZX	3" X 34"	44 1/4"	78 1/4"				7700	58
WC-3036-ZX	3" X 36"	46 1/4"	82 1/4"				7000	61
WC-3504-ZX	3.5" X 4"	14 1/4"	18 1/4"	1 3/4"	1"	SAE 8	28800	27
WC-3506-ZX	3.5" X 6"	16 1/4"	22 1/4"				28800	30
WC-3508-ZX	3.5" X 8"	18 1/4"	26 1/4"				28800	34
WC-3508-ASAE-ZX	3.5" X 8"	20 1/4"	28 1/4"				28800	35
WC-3510-ZX	3.5" X 10"	20 1/4"	30 1/4"				28800	36
WC-3512-ZX	3.5" X 12"	22 1/4"	34 1/4"				28800	39
WC-3514-ZX	3.5" X 14"	24 1/4"	38 1/4"				28800	42
WC-3516-ZX	3.5" X 16"	26 1/4"	42 1/4"				28800	46
WC-3518-ZX	3.5" X 18"	28 1/4"	46 1/4"				28800	49
WC-3520-ZX	3.5" X 20"	30 1/4"	50 1/4"				28800	52
WC-3524-ZX	3.5" X 24"	34 1/4"	58 1/4"				26000	58
WC-3528-ZX	3.5" X 28"	38 1/4"	66 1/4"				20100	64
WC-3530-ZX	3.5" X 30"	40 1/4"	70 1/4"				17900	67
WC-3532-ZX	3.5" X 32"	42 1/4"	74 1/4"				16000	70
WC-3534-ZX	3.5" X 34"	44 1/4"	78 1/4"				14400	73
WC-3536-ZX	3.5" X 36"	46 1/4"	82 1/4"				13000	76
WC-4004-ZX	4" X 4"	14 1/4"	18 1/4"	2"	1"	SAE 8	37600	33
WC-4006-ZX	4" X 6"	16 1/4"	22 1/4"				37600	37
WC-4008-ZX	4" X 8"	18 1/4"	26 1/4"				37600	42
WC-4008-ASAE-ZX	4" X 8"	20 1/4"	28 1/4"				37600	43
WC-4010-ZX	4" X 10"	20 1/4"	30 1/4"				37600	44
WC-4012-ZX	4" X 12"	22 1/4"	34 1/4"				37600	48
WC-4014-ZX	4" X 14"	24 1/4"	38 1/4"				37600	52
WC-4016-ZX	4" X 16"	26 1/4"	42 1/4"				37600	55
WC-4018-ZX	4" X 18"	28 1/4"	46 1/4"				37600	59
WC-4020-ZX	4" X 20"	30 1/4"	50 1/4"				37600	63
WC-4024-ZX	4" X 24"	34 1/4"	58 1/4"				37600	70
WC-4028-ZX	4" X 28"	38 1/4"	66 1/4"				34300	77
WC-4030-ZX	4" X 30"	40 1/4"	70 1/4"				30500	81
WC-4032-ZX	4" X 32"	42 1/4"	74 1/4"				27300	85
WC-4034-ZX	4" X 34"	44 1/4"	78 1/4"				24600	89
WC-4036-ZX	4" X 36"	46 1/4"	82 1/4"				22200	92