

WELDED TYPE

CLEVIS

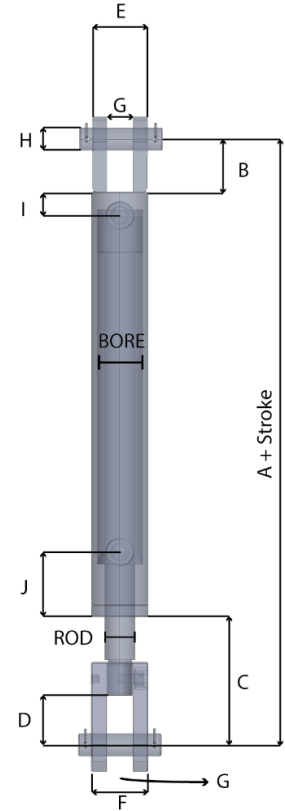
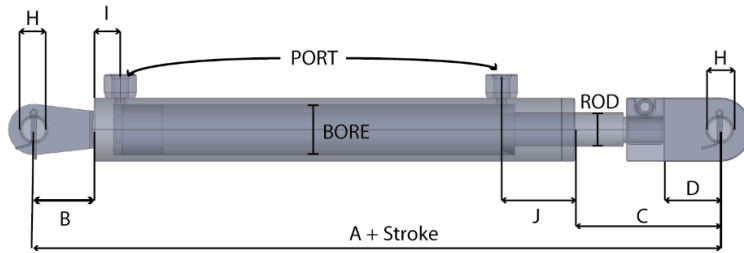


Type:	Welded clevis
Action:	Double acting
Rod end:	Welded steel clevis
Base end:	Welded steel clevis end mount, pins and clips included
Bore:	2.00" to 4.00"
Stroke:	4" to 48"
Rod:	Standard chrome plated rod steel 1045
Pressure:	3000 PSI



1 YEAR
WARRANTY





*ALL VALUES ARE IN INCHES

**ALL NUMBERS GIVEN ARE NOMINAL VALUES AND SHOULD BE USED FOR REFERENCE ONLY. ALL PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WELDED CLEVIS DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI

BORE	ROD	ROD THREAD	PORTS	A	B	C	D	E	F	G	H	I	J	K
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"	2.00"	1.25"
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"	2.50"	1.50"
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"	3.00"	1.50"
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"	3.50"	1.75"
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"	4.00"	2.00"

For 8" ASAE Stroke: A = 12.25

2.0" BORE		WELDED CLEVIS DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
DIMENSIONS								
PART NUMBER	BORE & STROKE	RETRACTED	EXTENDED	ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
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

2.5" BORE		WELDED CLEVIS DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
DIMENSIONS								
PART NUMBER	BORE & STROKE	RETRACTED	EXTENDED	ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
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

3.0" BORE		WELDED CLEVIS DOUBLE ACTING HYDRAULIC CYLINDER3000 PSI						
DIMENSIONS								
PART NUMBER	BORE & STROKE	RETRACTED	EXTENDED	ROD DIAMETER	PIN SIZE	PORTS	COLUM N LOADS (LBS)	WEIGHT (LBS)
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-ASAEZX	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
WC-3018-ZX	3" X 18"	28 1/4"	46 1/4"				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
3.5" BORE		WELDED CLEVIS DOUBLE ACTING HYDRAULIC CYLINDER3000 PSI						
DIMENSIONS								
PART NUMBER	BORE & STROKE	RETRACTED	EXTENDED	ROD DIAMETER	PIN SIZE	PORTS	COLUM N LOADS (LBS)	WEIGHT (LBS)
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-ASAEZX	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

4.0" BORE		WELDED CLEVIS DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
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

WELDED TYPE

CROSS TUBE

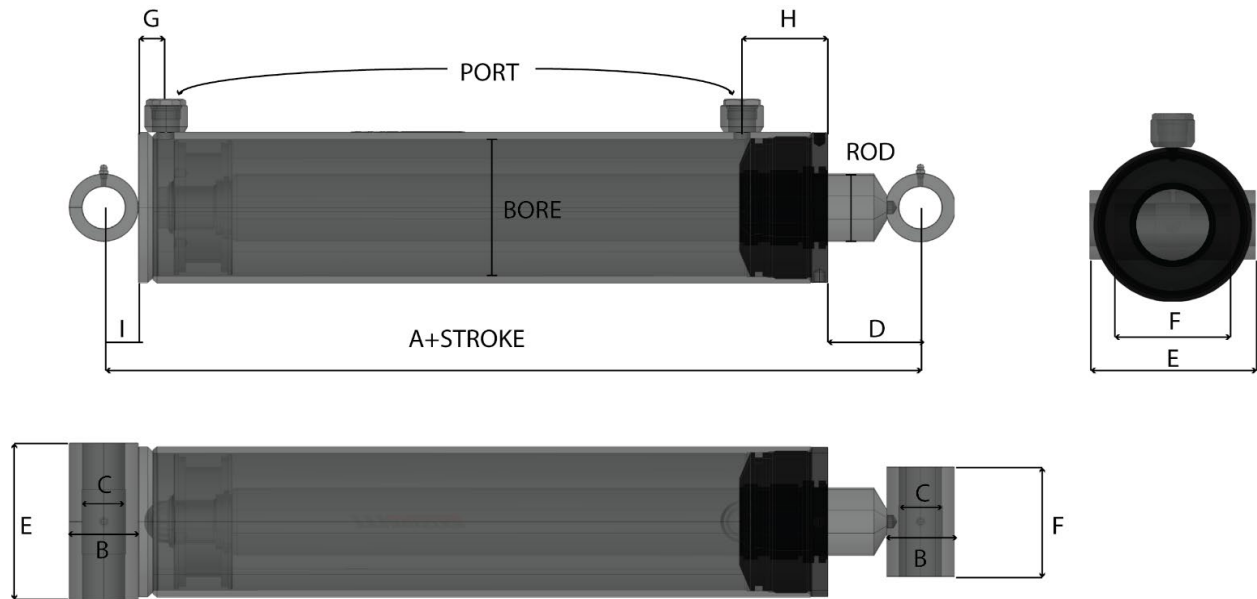


Type:	Welded cross tube
Action:	Double acting
Rod end:	Welded cross tube
Base end:	Welded cross tube
Bore:	1.50" to 5.00"
Stroke:	4" to 48"
Rod:	Standard chrome plated rod steel 1045
Pressure:	3000 PSI



1 YEAR
WARRANTY





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**ALL NUMBERS GIVEN ARE NOMINAL VALUES AND SHOULD BE USED FOR REFERENCE ONLY. ALL PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI											
BORE	ROD	PORT	A	B	C	D	E	F	G	H	I
1.50"	1.00"	SAE 4	8.00"	1.25"	0.764"	2.913"	2.25"	2.00"	0.929"	2.129"	0.625"
2.00"	1.25"	SAE 6	8.00"	1.50"	1.015"	2.844"	2.75"	2.25"	0.894"	1.937"	0.750"
2.50"	1.50"	SAE 8	8.00"	1.50"	1.015"	2.654"	3.25"	2.25"	0.894"	1.925"	0.750"
3.00"	1.50"	SAE 8	8.00"	1.50"	1.015"	2.301"	3.75"	2.25"	1.012"	2.244"	0.750"
3.50"	1.75"	SAE 8	10.00"	2.00"	1.265"	3.980"	4.25"	2.25"	1.012"	2.248"	1.000"
4.00"	2.00"	SAE 8	10.00"	2.25"	1.515"	3.934"	4.75"	2.50"	1.012"	2.244"	1.126"
5.00"	2.50"	3/4NPT	11.00"	2.50"	1.515"	2.750"	5.75"	4.00"	1.500"	2.272"	0.787"

1.5" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-1504-LD	1.5" X 4"	12"	16"	1"	3/4"	SAE 4	5300	8
WT-1506-LD	1.5" X 6"	14"	20"				5300	9
WT-1508-LD	1.5" X 8"	16"	24"				5300	10
WT-1510-LD	1.5" X 10"	18"	28"				5300	12
WT-1512-LD	1.5" X 12"	20"	32"				5300	13
WT-1514-LD	1.5" X 14"	22"	36"				5300	14
WT-1516-LD	1.5" X 16"	24"	40"				5300	15
WT-1518-LD	1.5" X 18"	26"	44"				4800	17
WT-1520-LD	1.5" X 20"	28"	48"				4000	18
WT-1524-LD	1.5" X 24"	32"	56"				3000	20

2.0" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-2004-LD	2" X 4"	12"	16"	1 1/4"	1"	SAE 6	9400	12
WT-2006-LD	2" X 6"	14"	20"				9400	13
WT-2008-LD	2" X 8"	16"	24"				9400	15
WT-2010-LD	2" X 10"	18"	28"				9400	17
WT-2012-LD	2" X 12"	20"	32"				9400	19
WT-2014-LD	2" X 14"	22"	36"				9400	20
WT-2016-LD	2" X 16"	24"	40"				9400	22
WT-2018-LD	2" X 18"	26"	44"				9400	24
WT-2020-LD	2" X 20"	28"	48"				9400	25
WT-2024-LD	2" X 24"	32"	56"				7300	29
WT-2028-LD	2" X 28"	36"	64"				5600	32
WT-2030-LD	2" X 30"	38"	68"				4900	34
WT-2032-LD	2" X 32"	40"	72"				4400	35
WT-2036-LD	2" X 36"	44"	80"				3500	39
WT-2040-LD	2" X 40"	48"	88"				2900	42
WT-2048-LD	2" X 48"	56"	104"				2100	49

2.5" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-2504-LD	2.5" X 4"	12"	16"	1 1/2"	1"	SAE 8	14700	16
WT-2506-LD	2.5" X 6"	14"	20"				14700	18
WT-2508-LD	2.5" X 8"	16"	24"				14700	20
WT-2510-LD	2.5" X 10"	18"	28"				14700	22
WT-2512-LD	2.5" X 12"	20"	32"				14700	24
WT-2514-LD	2.5" X 14"	22"	36"				14700	27
WT-2516-LD	2.5" X 16"	24"	40"				14700	29
WT-2518-LD	2.5" X 18"	26"	44"				14700	31
WT-2520-LD	2.5" X 20"	28"	48"				14700	33
WT-2524-LD	2.5" X 24"	32"	56"				14700	38
WT-2528-LD	2.5" X 28"	36"	64"				11600	42
WT-2530-LD	2.5" X 30"	38"	68"				10300	45
WT-2532-LD	2.5" X 32"	40"	72"				9200	47
WT-2536-LD	2.5" X 36"	44"	80"				7400	51
WT-2540-LD	2.5" X 40"	48"	88"				6100	56
WT-2548-LD	2.5" X 48"	56"	104"				4400	65

3.0" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-3004-LD	3" X 4"	12"	16"	1 1/2"	1"	SAE 8	21200	19
WT-3006-LD	3" X 6"	14"	20"				21200	22
WT-3008-LD	3" X 8"	16"	24"				21200	24
WT-3010-LD	3" X 10"	18"	28"				21200	27
WT-3012-LD	3" X 12"	20"	32"				21200	29
WT-3014-LD	3" X 14"	22"	36"				21200	32
WT-3016-LD	3" X 16"	24"	40"				21200	34
WT-3018-LD	3" X 18"	26"	44"				21200	36
WT-3020-LD	3" X 20"	28"	48"				20700	39
WT-3024-LD	3" X 24"	32"	56"				15200	44
WT-3028-LD	3" X 28"	36"	64"				11600	49
WT-3030-LD	3" X 30"	38"	68"				10300	51
WT-3032-LD	3" X 32"	40"	72"				9200	53
WT-3036-LD	3" X 36"	44"	80"				7400	58
WT-3040-LD	3" X 40"	48"	88"				6100	63
WT-3048-LD	3" X 48"	56"	104"				4400	73

3.5" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-3504-LD	3.5" X 4"	14"	18"	1 3/4"	1 1/4"	SAE 8	28800	27
WT-3506-LD	3.5" X 6"	16"	22"				28800	30
WT-3508-LD	3.5" X 8"	18"	26"				28800	33
WT-3510-LD	3.5" X 10"	20"	30"				28800	36
WT-3512-LD	3.5" X 12"	22"	34"				28800	39
WT-3514-LD	3.5" X 14"	24"	38"				28800	42
WT-3516-LD	3.5" X 16"	26"	42"				28800	45
WT-3518-LD	3.5" X 18"	28"	46"				28800	48
WT-3520-LD	3.5" X 20"	30"	50"				28800	51
WT-3524-LD	3.5" X 24"	34"	58"				26200	57
WT-3528-LD	3.5" X 28"	38"	66"				20200	63
WT-3530-LD	3.5" X 30"	40"	70"				18000	66
WT-3532-LD	3.5" X 32"	42"	74"				16100	69
WT-3536-LD	3.5" X 36"	46"	82"				13100	75
WT-3540-LD	3.5" X 40"	50"	90"				10900	81
WT-3548-LD	3.5" X 48"	58"	106"				7800	94

4.0" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER 3000 PSI						
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-4004-LD	4" X 4"	14"	18"	2"	1 1/2"	SAE 8	37600	34
WT-4006-LD	4" X 6"	16"	22"				37600	38
WT-4008-LD	4" X 8"	18"	26"				37600	41
WT-4010-LD	4" X 10"	20"	30"				37600	45
WT-4012-LD	4" X 12"	22"	34"				37600	49
WT-4014-LD	4" X 14"	24"	38"				37600	52
WT-4016-LD	4" X 16"	26"	42"				37600	56
WT-4018-LD	4" X 18"	28"	46"				37600	59
WT-4020-LD	4" X 20"	30"	50"				37600	63
WT-4024-LD	4" X 24"	34"	58"				37600	70
WT-4028-LD	4" X 28"	38"	66"				34600	78
WT-4030-LD	4" X 30"	40"	70"				30700	81
WT-4032-LD	4" X 32"	42"	74"				27500	85
WT-4036-LD	4" X 36"	46"	82"				22400	92
WT-4040-LD	4" X 40"	50"	90"				18600	99
WT-4048-LD	4" X 48"	58"	106"				13400	114

5.0" BORE		WELDED CROSS TUBE DOUBLE ACTING HYDRAULIC CYLINDER						
				PSI				
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS	COLUMN LOADS (LBS)	WEIGHT (LBS)
		RETRACTED	EXTENDED					
WT-5004-LD	5" X 4"	15"	19"	2 1/2"	1 1/2"	3/4 NPT	58900	64
WT-5006-LD	5" X 6"	17"	23"				58900	69
WT-5008-LD	5" X 8"	19"	27"				58900	75
WT-5010-LD	5" X 10"	21"	31"				58900	80
WT-5012-LD	5" X 12"	23"	35"				58900	85
WT-5014-LD	5" X 14"	25"	39"				58900	90
WT-5016-LD	5" X 16"	27"	43"				58900	96
WT-5018-LD	5" X 18"	29"	47"				58900	101
WT-5020-LD	5" X 20"	31"	51"				58900	106
WT-5024-LD	5" X 24"	35"	59"				58900	116
WT-5028-LD	5" X 28"	39"	67"				58900	126
WT-5030-LD	5" X 30"	41"	71"				58900	131
WT-5032-LD	5" X 32"	43"	75"				58900	136
WT-5036-LD	5" X 36"	47"	83"				52100	147
WT-5040-LD	5" X 40"	51"	91"				43400	157
WT-5048-LD	5" X 48"	59"	107"				31500	177

WELDED TYPE DUMP HOIST

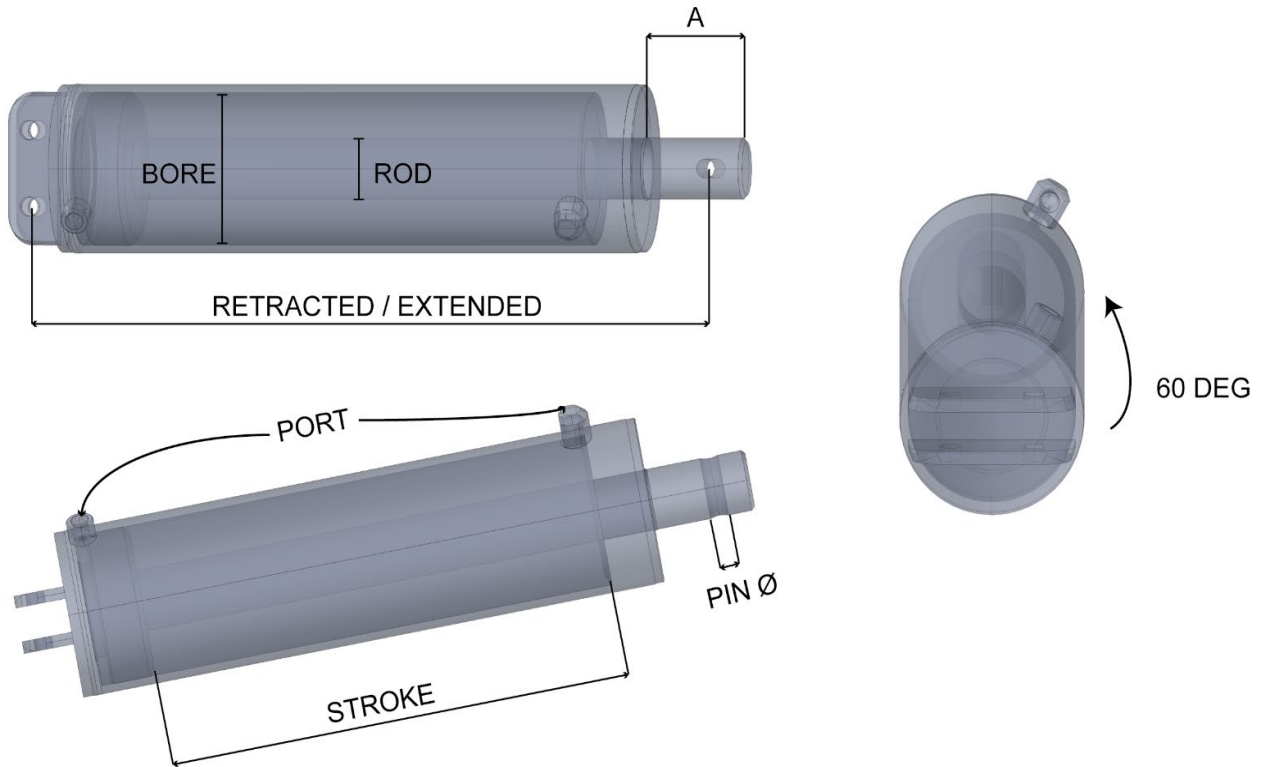


Type:	Welded dump hoist
Action:	Double acting
Rod end:	Heavy duty rod, through-hole for pin attachment
Base end:	mounting flange is a one solid machined piece
Bore:	5.00" to 6.00"
Stroke:	15.75", 16", 20", and 21.50"
Rod:	Standard chrome plated rod steel 1045
Pressure:	3500 PSI



1 YEAR
WARRANTY





*ALL VALUES ARE IN INCHES

**ALL NUMBERS GIVEN ARE NOMINAL VALUES AND SHOULD BE USED FOR REFERENCE ONLY. ALL PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

5" BORE	DUMP HOIST WELDED DOUBLE ACTING HYDRAULIC CYLINDER 3500 PSI										
SKU	Bore	Stroke	Rod Ø	Retracted	Extended	A	Pin Ø (Base)	Pin Ø (rod)	Port Size	Column Load (LBs)	Weight (LBs)
HTC 5X15.75	5"	15.75"	2"	23.5"	39.25"	3.5"	0.63"	0.63"	SAE 6	57,700	66
HTC 5X16	5"	16"	2.5"	25"	41"	3.125"	1.262"	1.262"	3/8-18 NPT	57,724	80
HTC 5X20	5"	20"	2"	27.5"	47.5"	3.2"	0.63"	0.63"	SAE 6	57,700	74
HTC 5X21.5	5"	21.5"	2"	29.37"	50.87"	3.57"	0.63"	0.63"	SAE 6	57,700	78