



PART NUMBER	CYLINDER BORE	OUTSIDE DIAMETER	ROD DIAMETER	*A	B	C	D	*E	F	G	H	I	J	K	PORTS*
CL15XX-S	1.50"	1.875"	1.00"	8.25"	1.62"	0.87"	1.37"	2.25"	1.37"	1.50"	0.76"	-	0.93"	1.87"	SAE 4
CL20XX-S	2.00"	2.375"	1.25"	10.25"	2.12"	1.12"	2.12"	3.12"	2.12"	2.00"	1.01"	-	1.00"	2.06"	SAE6
CL25XX-S	2.50"	2.875"	1.50"	10.25"	2.12"	1.12"	2.12"	3.12"	2.12"	2.00"	1.01"	-	0.81"	2.18"	SAE 8
CL30XX-S	3.00"	3.50"	1.50"	10.25"	2.12"	1.12"	2.12"	3.12"	2.12"	2.00"	1.01"	-	0.81"	2.18"	SAE 8
CL35XX-S	3.50"	4.00"	1.75"	10.25"	2.37"	1.12"	2.00"	3.12"	2.12"	2.00"	1.01"	2.12"	0.93"	2.18"	SAE 8
CL40XX-S	4.00"	4.50"	2.00"	10.25"	2.37"	1.12"	1.75"	3.12"	2.00"	2.00"	1.01"	2.00"	1.06"	2.18"	SAE 8
CL50XX-S	5.00"	5.50"	2.50"	13.00"	3.12"	1.62"	2.25"	3.62"	2.25"	3.00"	1.51"	-	1.37"	2.75"	SAE 12

1. FOR 8" STROKE : A = 12.25" (2" TO 4" BORE)

2. FOR 8" STROKE : E = 5.12" (2" TO 4" BORE)

\* NPT PORTS ARE ALSO AVAILABLE FROM 1.5" TO 4" BORE CYLINDERS

MAXIMUM RETRACTED WORKING PRESSURE : 3000 psi

MAXIMUM EXTENDED WORKING PRESSURE : SEE TABLE

RETRACTED AND STROKE TOLERANCE ± 1/8"

WELDED FEMALE CLEVIS TYPE

PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)
		RETRACTED	EXTENDED						
CL1504-S	1.5" X 4"	12-1/4"	16-1/4"	1"	3/4"	SAE 4	5300	3000	8
CL1506-S	1.5" X 6"	14-1/4"	20-1/4"				5300	3000	9
CL1508-S	1.5" X 8"	16-1/4"	24-1/4"				5300	3000	11
CL1510-S	1.5" X 10"	18-1/4"	28-1/4"				5300	3000	12
CL1512-S	1.5" X 12"	20-1/4"	32-1/4"				5300	3000	13
CL1514-S	1.5" X 14"	22-1/4"	36-1/4"				5300	3000	14
CL1516-S	1.5" X 16"	24-1/4"	40-1/4"				5300	3000	15
CL1518-S	1.5" X 18"	26-1/4"	44-1/4"				4800	2700	17
CL1520-S	1.5" X 20"	28-1/4"	48-1/4"				4000	2200	18
CL1524-S	1.5" X 24"	32-1/4"	56-1/4"				2900	1600	20
CL2004-S	2" X 4"	14-1/4"	18-1/4"	1-1/4"	1"	SAE 6	9400	3000	14
CL2006-S	2" X 6"	16-1/4"	22-1/4"				9400	3000	16
CL2008-S	2" X 8"	20-1/4"	28-1/4"				9400	3000	18
CL2010-S	2" X 10"	20-1/4"	30-1/4"				9400	3000	19
CL2012-S	2" X 12"	22-1/4"	34-1/4"				9400	3000	21
CL2014-S	2" X 14"	24-1/4"	38-1/4"				9400	3000	23
CL2016-S	2" X 16"	26-1/4"	42-1/4"				9400	3000	25
CL2018-S	2" X 18"	28-1/4"	46-1/4"				9400	3000	26
CL2020-S	2" X 20"	30-1/4"	50-1/4"				9100	2900	28
CL2024-S	2" X 24"	34-1/4"	58-1/4"				6700	2100	31
CL2028-S	2" X 28"	38-1/4"	66-1/4"				5200	1600	35
CL2030-S	2" X 30"	40-1/4"	70-1/4"				4600	1400	36
CL2032-S	2" X 32"	42-1/4"	74-1/4"				4100	1300	38
CL2034-S	2" X 34"	44-1/4"	78-1/4"				3700	1100	40
CL2036-S	2" X 36"	46-1/4"	82-1/4"				3400	1000	42
CL2040-S	2" X 40"	50-1/4"	90-1/4"				2800	800	45
CL2048-S	2" X 48"	58-1/4"	106-1/4"				2000	600	52

\* NPT PORTS ARE ALSO AVAILABLE.

NOTE : COLUMN LOAD IS THE MAXIMUM PUSHING LOAD SUGGESTED USING A MINIMUM SAFETY FACTOR OF 2 AND BASED ON A PIN TO PIN MOUNTING CALCULATION.

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WELDED FEMALE CLEVIS TYPE												
PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (LBS)	PRESSURE (PSI)	WEIGHT (LBS)			
		RETRACTED	EXTENDED									
CL2504-S	2.5" X 4"	14-1/4"	18-1/4"	1-1/2"	1"	SAE 8	14700	3000	18			
CL2506-S	2.5" X 6"	16-1/4"	22-1/4"				14700	3000	20			
CL2508-S	2.5" X 8"	20-1/4"	28-1/4"				14700	3000	24			
CL2510-S	2.5" X 10"	20-1/4"	30-1/4"				14700	3000	25			
CL2512-S	2.5" X 12"	22-1/4"	34-1/4"				14700	3000	27			
CL2514-S	2.5" X 14"	24-1/4"	38-1/4"				14700	3000	29			
CL2516-S	2.5" X 16"	26-1/4"	42-1/4"				14700	3000	32			
CL2518-S	2.5" X 18"	28-1/4"	46-1/4"				14700	3000	34			
CL2520-S	2.5" X 20"	30-1/4"	50-1/4"				14700	3000	36			
CL2524-S	2.5" X 24"	34-1/4"	58-1/4"				14000	2800	40			
CL2528-S	2.5" X 28"	38-1/4"	66-1/4"				10800	2200	45			
CL2530-S	2.5" X 30"	40-1/4"	70-1/4"				9600	1900	47			
CL2532-S	2.5" X 32"	42-1/4"	74-1/4"				8600	1700	49			
CL2534-S	2.5" X 34"	44-1/4"	78-1/4"				7700	1500	52			
CL2536-S	2.5" X 36"	46-1/4"	82-1/4"				7000	1400	54			
CL2540-S	2.5" X 40"	50-1/4"	90-1/4"				5800	1100	58			
CL2548-S	2.5" X 48"	58-1/4"	106-1/4"				4200	800	67			
CL3004-S	3" X 4"	14-1/4"	18-1/4"				1-1/2"	1"	SAE 8	21200	3000	22
CL3006-S	3" X 6"	16-1/4"	22-1/4"	21200	3000	24						
CL3008-S	3" X 8"	20-1/4"	28-1/4"	21200	3000	27						
CL3010-S	3" X 10"	20-1/4"	30-1/4"	21200	3000	29						
CL3012-S	3" X 12"	22-1/4"	34-1/4"	21200	3000	31						
CL3014-S	3" X 14"	24-1/4"	38-1/4"	21200	3000	34						
CL3016-S	3" X 16"	26-1/4"	42-1/4"	21200	3000	36						
CL3018-S	3" X 18"	28-1/4"	46-1/4"	21200	3000	39						
CL3020-S	3" X 20"	30-1/4"	50-1/4"	18800	2600	41						
CL3024-S	3" X 24"	34-1/4"	58-1/4"	14000	1900	46						
CL3028-S	3" X 28"	38-1/4"	66-1/4"	10800	1500	51						
CL3030-S	3" X 30"	40-1/4"	70-1/4"	9600	1300	53						
CL3032-S	3" X 32"	42-1/4"	74-1/4"	8600	1200	56						
CL3034-S	3" X 34"	44-1/4"	78-1/4"	7700	1100	58						
CL3036-S	3" X 36"	46-1/4"	82-1/4"	7000	900	61						
CL3504-S	3.5" X 4"	14-1/4"	18-1/4"	1-3/4"	1"	SAE 8				28800	3000	27
CL3506-S	3.5" X 6"	16-1/4"	22-1/4"							28800	3000	30
CL3508-S	3.5" X 8"	20-1/4"	28-1/4"							28800	3000	35
CL3510-S	3.5" X 10"	20-1/4"	30-1/4"				28800	3000	36			
CL3512-S	3.5" X 12"	22-1/4"	34-1/4"				28800	3000	39			
CL3514-S	3.5" X 14"	24-1/4"	38-1/4"				28800	3000	42			
CL3516-S	3.5" X 16"	26-1/4"	42-1/4"				28800	3000	46			
CL3518-S	3.5" X 18"	28-1/4"	46-1/4"				28800	3000	49			
CL3520-S	3.5" X 20"	30-1/4"	50-1/4"				28800	3000	52			
CL3524-S	3.5" X 24"	34-1/4"	58-1/4"				26000	2700	58			
CL3528-S	3.5" X 28"	38-1/4"	66-1/4"				20100	2000	64			
CL3530-S	3.5" X 30"	40-1/4"	70-1/4"				17900	1800	67			
CL3532-S	3.5" X 32"	42-1/4"	74-1/4"				16000	1600	70			
CL3534-S	3.5" X 34"	44-1/4"	78-1/4"				14400	1500	73			
CL3536-S	3.5" X 36"	46-1/4"	82-1/4"				13000	1300	76			

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**WELDED FEMALE CLEVIS TYPE**

PART NUMBER	BORE & STROKE	DIMENSIONS		ROD DIAMETER	PIN SIZE	PORTS*	COLUMN LOADS (lbs)	PRESSURE (psi)	WEIGHT (lbs)
		RETRACTED	EXTENDED						
CL4004-S	4" X 4"	14-1/4"	18-1/4"	2"	1"	SAE 8	37600	3000	33
CL4006-S	4" X 6"	16-1/4"	22-1/4"				37600	3000	37
CL4008-S	4" X 8"	20-1/4"	28-1/4"				37600	3000	42
CL4010-S	4" X 10"	20-1/4"	30-1/4"				37600	3000	44
CL4012-S	4" X 12"	22-1/4"	34-1/4"				37600	3000	48
CL4014-S	4" X 14"	24-1/4"	38-1/4"				37600	3000	52
CL4016-S	4" X 16"	26-1/4"	42-1/4"				37600	3000	55
CL4018-S	4" X 18"	28-1/4"	46-1/4"				37600	3000	59
CL4020-S	4" X 20"	30-1/4"	50-1/4"				37600	3000	63
CL4024-S	4" X 24"	34-1/4"	58-1/4"				37600	3000	70
CL4028-S	4" X 28"	38-1/4"	66-1/4"				34300	2700	77
CL4030-S	4" X 30"	40-1/4"	70-1/4"				30500	2400	81
CL4032-S	4" X 32"	42-1/4"	74-1/4"				27300	2100	85
CL4034-S	4" X 34"	44-1/4"	78-1/4"				24600	1900	89
CL4036-S	4" X 36"	46-1/4"	82-1/4"				22200	1700	92
CL5004-S	5" X 4"	17"	21"				2-1/2"	1-1/2"	SAE 12
CL5006-S	5" X 6"	19"	25"	58900	3000	69			
CL5008-S	5" X 8"	21"	29"	58900	3000	74			
CL5010-S	5" X 10"	23"	33"	58900	3000	79			
CL5012-S	5" X 12"	25"	37"	58900	3000	84			
CL5014-S	5" X 14"	27"	41"	58900	3000	89			
CL5016-S	5" X 16"	29"	45"	58900	3000	95			
CL5018-S	5" X 18"	31"	49"	58900	3000	100			
CL5020-S	5" X 20"	33"	53"	58900	3000	105			
CL5024-S	5" X 24"	37"	61"	58900	3000	115			
CL5028-S	5" X 28"	41"	69"	58900	3000	125			
CL5030-S	5" X 30"	43"	73"	58900	3000	130			
CL5032-S	5" X 32"	45"	77"	58900	3000	135			
CL5034-S	5" X 34"	47"	81"	56100	2800	141			
CL5036-S	5" X 36"	49"	85"	50900	2500	146			
CL5040-S	5" X 40"	53"	93"	42500	2100	156			
CL5048-S	5" X 48"	61"	109"	30900	1500	176			

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