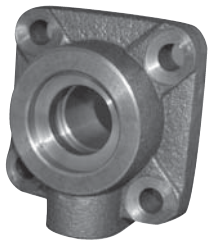


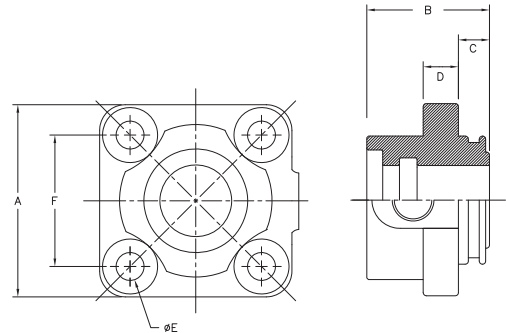
CYLINDER GLANDS AND CAPS

Component Parts

THE HTR LINE



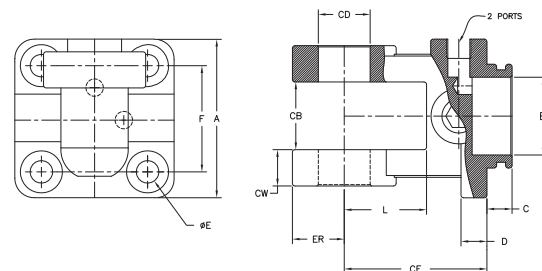
HTR GLANDS



Part Number	Rod	Bore	A	B	C	D	E	F	Port	List Price
HTR-2.0X1.125-GLAND	1.125	2.0	3.07	1.92	0.50	0.52	0.43	2.05	3/8" NPT	\$ 16.40
HTR-2.5X1.125-GLAND	1.125	2.5	3.35	1.92	0.50	0.62	0.43	2.36	3/8" NPT	20.12
HTR-3.0X1.250-GLAND	1.250	3.0	4.05	1.96	0.50	0.73	0.51	2.87	1/2" NPT	25.10
HTR-3.5X1.250-GLAND	1.250	3.5	4.33	1.95	0.50	0.74	0.51	3.19	1/2" NPT	28.62
HTR-3.5X1.500-GLAND	1.500	3.5	4.33	1.95	0.50	0.74	0.51	3.19	1/2" NPT	28.62
HTR-4.0X1.250-GLAND	1.250	4.0	4.72	1.89	0.51	0.98	0.51	3.62	1/2" NPT	38.58
HTR-4.0X1.500-GLAND	1.500	4.0	4.72	1.89	0.51	0.98	0.51	3.62	1/2" NPT	38.66
HTR-4.0X1.750-GLAND	1.750	4.0	4.72	1.89	0.51	0.98	0.51	3.62	1/2" NPT	38.66
HTR-5.0X1.500-GLAND	1.500	5.0	6.30	2.24	0.68	1.18	0.67	4.45	1/2" NPT	62.23
HTR-5.0X2.000-GLAND	2.000	5.0	6.30	2.24	0.68	1.18	0.67	4.45	1/2" NPT	62.23



HTR CAPS



Part Number	Bore	A	B	C	D	E	F	Ports	CB	CD	CE	CW	L	ER	List Price
HTR-2.0 CAP	2.0	3.07	1.50	0.50	0.50	0.43	2.05	3/8" NPT	1.14	1.01	2.84	0.69	1.63	1.00	\$20.16
HTR-2.5 CAP	2.5	3.35	1.77	0.50	0.50	0.43	2.36	3/8" NPT	1.14	1.01	2.84	0.69	1.63	1.00	23.24
HTR-3.0 CAP	3.0	4.05	2.28	0.50	0.50	0.51	2.87	1/2" NPT	1.14	1.01	2.84	0.69	1.63	1.00	25.95
HTR-3.5 CAP	3.5	4.33	2.56	0.50	0.69	0.51	3.19	1/2" NPT	1.14	1.01	2.84	0.69	1.63	1.00	32.43
HTR-4.0 CAP	4.0	4.72	3.00	0.51	0.75	0.51	3.62	1/2" NPT	1.14	1.01	2.88	0.73	1.63	1.13	37.98
HTR-5.0 CAP	5.0	6.30	3.94	0.69	0.75	0.67	4.45	1/2" NPT	1.26	1.01	3.95	1.12	2.25	1.50	78.66

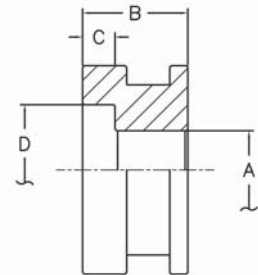
CYLINDER PISTONS/CLEVIS/STROKE ADJUSTERS

Component Parts

THE HTR LINE



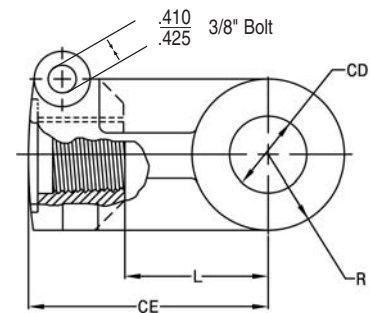
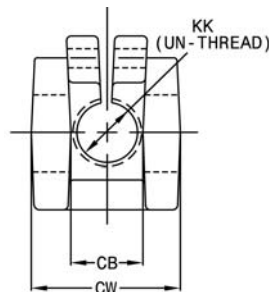
HTR PISTON



Part Number	Bore	A	B	C	D	List Price
HTR-2.0 PISTON	2.0	0.75	1.00	0.32	1.38	\$ 7.81
HTR-2.5 PISTON	2.5	0.75	1.00	0.32	1.50	9.33
HTR-3.0 PISTON	3.0	1.00	1.00	0.32	2.25	10.56
HTR-3.5 PISTON	3.5	1.00	1.00	0.32	2.76	12.31
HTR-4.0 PISTON	4.0	1.00	1.00	0.32	2.76	14.67
HTR-5.0 PISTON	5.0	1.25	1.89	0.63	3.54	30.64



HTR MOBILE SPLIT CLEVIS

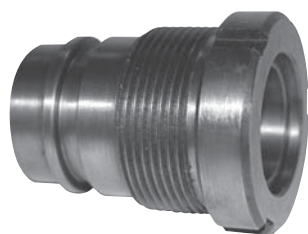


Part Number	Bore	CB	CD	CE	CW	KK	L	R	List Price
HTR-2.0 CLEVIS	2.0	1.12	1.00	3.25	2.62	1-1/8"-12	2.12	1.00	\$ 30.28
HTR-2.5 CLEVIS	2.5	1.12	1.00	3.25	2.62	1-1/8"-12	2.12	1.00	30.28
HTR-3.0 CLEVIS	3.0	1.12	1.00	3.25	2.62	1-1/4"-12	2.12	1.00	30.28
HTR-3.5 CLEVIS	3.5	1.12	1.00	3.25	2.62	1-1/4"-12	2.12	1.00	30.28
HTR-4.0 CLEVIS	4.0	1.12	1.00	3.25	2.62	1-1/4"-12	2.12	1.00	30.28
HTR-5.0 CLEVIS	5.0	1.12	1.00	3.25	2.62	1-1/4"-12	2.12	1.25	26.44

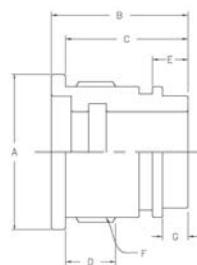
HMW & HCW GLANDS AND PISTONS

Component Parts

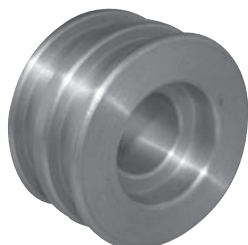
THE HMW & HCW LINE



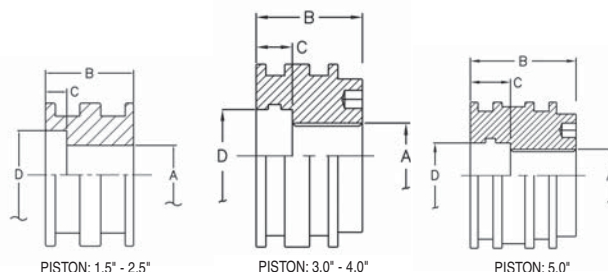
**HMW & HCW
FOR GLANDS**



Part Number	Rod	Bore	A	B	C	D	E	F	G	List Price
HMW-1.5-GLAND	1	1.5	1.97	2.40	1.93	0.79	0.54	M43-2	0.40	\$ 9.40
HMW-2.0-GLAND	1-1/4	2.0	2.44	2.17	1.93	0.79	0.54	M55-2	0.40	11.45
HMW-2.5-GLAND	1-1/2	2.5	2.95	2.17	1.93	0.79	0.54	M68-2	0.40	13.63
HMW-3.0-GLAND	1-1/2	3.0	3.45	2.40	1.93	0.83	0.54	M81-2	0.40	20.06
HMW-3.5-GLAND	1-3/4	3.5	3.94	2.17	1.93	0.83	0.54	M94-2	0.40	21.75
HMW-4.0-GLAND	2	4.0	4.45	2.44	2.20	1.10	0.54	M106-2	0.40	31.17
HMW-5.0-GLAND	2-1/2	5.0	5.45	2.68	2.20	1.10	0.54	M132-2	0.40	49.23



**HMW & HCW
FOR PISTONS**



Part Number	Bore	A	B	C	D	List Price
HMW-1.5-PISTON	1.5	0.634	1.22	0.16	0.906	\$ 6.90
HMW-2.0-PISTON	2.0	0.807	1.22	0.30	1.220	8.74
HMW-2.5-PISTON	2.5	0.948	1.38	0.38	1.375	11.43
HMW-3.0-PISTON	3.0	M24-2	2.09	0.71	1.504	17.16
HMW-3.5-PISTON	3.5	M30-2	2.28	0.79	1.755	22.93
HMW-4.0 PISTON	4.0	M36-2	2.28	0.79	2.005	27.07
HMW-5.0 PISTON	5.0	M48-2	2.88	0.98	2.505	49.43

**These replacement parts are for
HMW & HCW cylinders found on
page 7 - 12**

Stroke Adjusters



PART NUMBER	DESCRIPTION	LIST PRICE
HB-SA-1250	1-1/4 -12\"	\$ 31.80

Mobile Repair Parts

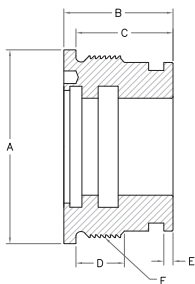
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MOBILE CYLINDER HEADS



Material: 65-45-12
Ductile Iron



IT Head

PART NUMBER	BORE +.003" -.003"	ROD +.000" -.003"	A	B	C	D	E	F (BUT- TRESS)	LIST PRICE	SEAL KIT NUMBER	LIST PRICE
CM-H107277	1.500	1.000	2.00	2.00	1.50	0.75	0.28	1-3/4"-12	\$ 63.68	CM-SK-H107277	\$ 41.64
CM-H107597	2.000	1.000	2.50	2.12	1.94	1.00	0.12	2-1/4"-12	64.17	CM-SK-H107597	19.36
CM-H107598	2.000	1.125	2.50	2.00	1.75	0.75	0.19	2-1/4"-12	68.45	CM-SK-H107598	19.36
CM-H107595	2.000	1.250	2.50	2.25	2.00	1.00	0.19	2-1/4"-12	84.48	CM-SK-H107595	19.36
CM-H107193	2.500	1.125	3.00	2.00	1.75	0.75	0.19	2-3/4"-12	87.89	CM-SK-H107193	18.97
CM-H107194	2.500	1.250	3.00	2.00	1.75	0.75	0.19	2-3/4"-12	88.70	CM-SK-H107194	18.97
CM-H107463	2.500	1.500	3.00	2.38	2.00	1.00	0.19	2-3/4"-12	89.00	CM-SK-H107463	26.35
CM-H107673	2.500	1.750	3.00	2.25	1.88	0.88	0.28	2-3/4"-12	90.53	CM-SK-H107673	91.89
CM-H107157	3.000	1.000	3.50	2.25	2.00	1.00	0.19	3-1/4"-12	92.44	CM-SK-H107157	19.57
CM-H107196	3.000	1.250	3.50	2.25	2.00	1.00	0.19	3-1/4"-12	88.21	CM-SK-H107196	18.97
CM-H107131	3.000	1.500	3.50	2.25	2.00	1.00	0.19	3-1/4"-12	93.60	CM-SK-H107131	19.04
CM-H107189	3.000	1.750	3.50	2.25	2.00	1.00	0.19	3-1/4"-12	95.26	CM-SK-H107189	20.27
CM-H107359	3.000	2.000	3.50	2.50	2.00	1.00	0.19	3-1/4"-12	96.95	CM-SK-H107359	20.82
CM-H107591	3.250	1.500	3.75	2.25	2.00	1.00	0.19	3-1/2"-12	105.53	CM-SK-H107591	24.54
CM-H107592	3.250	1.750	3.75	2.25	2.00	1.00	0.19	3-1/2"-12	112.12	CM-SK-H107592	25.78
CM-H107197	3.500	1.250	4.00	2.25	2.00	1.00	0.19	3-3/4"-12	106.60	CM-SK-H107197	19.58
CM-H107198	3.500	1.500	4.00	2.25	2.00	1.00	0.19	3-3/4"-12	113.65	CM-SK-H107198	20.27
CM-H107108	3.500	1.750	4.00	2.25	2.00	1.00	0.19	3-3/4"-12	115.05	CM-SK-H107108	21.50
CM-H107112	3.500	2.000	4.00	2.25	2.00	1.00	0.19	3-3/4"-12	109.69	CM-SK-H107112	23.83
CM-H107462	3.500	2.500	4.00	2.50	2.12	1.00	0.25	3-3/4"-12	116.25	CM-SK-H107462	24.82
CM-H107130	4.000	1.500	4.50	2.25	2.00	1.00	0.19	4-1/4"-12	117.00	CM-SK-H107130	21.15
CM-H107124	4.000	1.750	4.50	2.25	2.00	1.00	0.19	4-1/4"-12	117.65	CM-SK-H107124	22.54
CM-H107311	4.000	2.000	4.50	2.25	2.00	1.00	0.19	4-1/4"-12	117.87	CM-SK-H107311	19.24
CM-H107331	4.000	2.250	4.50	2.25	2.00	1.00	0.19	4-1/4"-12	121.60	CM-SK-H107331	28.13
CM-H107386	4.000	2.500	4.50	2.50	2.12	1.12	0.19	4-1/4"-12	118.33	CM-SK-H107386	29.15
CM-H107525	4.000	3.000	4.50	2.50	2.12	1.00	0.25	4-1/4"-12	113.13	CM-SK-H107525	28.43
CM-H107199	4.500	1.750	5.00	2.25	2.00	1.00	0.19	4-3/4"-12	141.17	CM-SK-H107199	24.89
CM-H107200	4.500	2.000	5.00	2.25	2.00	1.00	0.19	4-3/4"-12	142.30	CM-SK-H107200	26.49
CM-H107201	4.500	2.250	5.00	2.25	2.00	1.00	0.19	4-3/4"-12	141.39	CM-SK-H107201	29.93
CM-H107528	4.500	3.500	5.00	2.38	2.00	1.00	0.19	4-3/4"-12	139.09	CM-SK-H107528	47.28
CM-H107234	5.000	1.750	5.50	2.25	2.00	1.00	0.19	5-1/4"-12	152.21	CM-SK-H107234	25.38
CM-H107212	5.000	2.000	5.50	2.25	2.00	1.00	0.19	5-1/4"-12	142.11	CM-SK-H107212	26.93
CM-H107204	5.000	2.500	5.50	2.50	2.12	1.12	0.19	5-1/4"-12	142.67	CM-SK-H107204	31.34
CM-H107205	5.000	3.000	5.50	2.50	2.12	1.12	0.19	5-1/4"-12	150.94	CM-SK-H107205	34.90
CM-H107345	6.000	2.000	6.50	2.50	2.12	1.12	0.19	6-1/4"-12	152.48	CM-SK-H107345	28.38
CM-H107206	6.000	2.500	6.50	2.50	2.12	1.12	0.19	6-1/4"-12	180.48	CM-SK-H107206	32.77
CM-H107207	6.000	3.000	6.50	2.50	2.12	1.12	0.19	6-1/4"-12	211.77	CM-SK-H107207	36.33
CM-H107178	6.000	3.500	6.50	2.50	2.12	1.12	0.19	6-1/4"-12	225.12	CM-SK-H107178	41.97
CM-H107328	7.000	3.000	7.50	2.88	2.50	1.12	0.59	7-1/4"-10	227.41	CM-SK-H107328	39.32
CM-H107493	7.000	3.500	7.50	2.88	2.50	1.12	0.59	7-1/4"-10	227.41	CM-SK-H107493	44.69
CM-H107467	7.000	4.000	7.50	2.88	2.50	1.12	0.59	7-1/4"-10	230.01	CM-SK-H107467	52.80
CM-H107466	8.000	4.000	9.00	3.75	3.25	1.50	0.88	8-1/4"-10	230.01	CM-SK-H107466	54.43
CM-H107494	8.000	4.500	9.00	3.75	3.25	1.50	0.88	8-1/4"-10	230.27	CM-SK-H107494	66.24
CM-H107475	8.000	5.000	9.00	3.75	3.25	1.50	0.88	8-1/4"-10	230.27	CM-SK-H107475	73.34

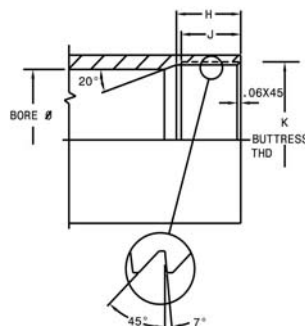
IT & ITW Technical Information

Basic information for Internal Buttress
Threads (52 degrees)

"H" = Length of Thread on Head plus 1/8"

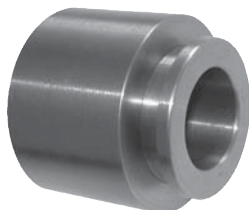
"J" = Length of Thread on Head plus 1/16"

"K" = Buttress Thread as determined by Head

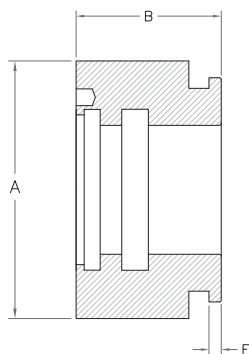


Basic Thread Size	Min. Major Diameter	Pitch Diameter	Minor Diameter
2-1/4"-12	2.2604	2.2000/2.2075	2.1500/2.1575
2-3/4"-12	2.7604	2.7000/2.7080	2.6500/2.6580
3-1/4"-12	3.2604	3.2000/3.2080	3.1500/3.1580
3-1/2"-12	3.5104	3.4500/3.4580	3.4000/3.4080
3-3/4"-12	3.7604	3.7000/3.7080	3.6500/3.6580
4-1/4"-12	4.2604	4.2000/4.2084	4.1500/4.1584
4-3/4"-12	4.7604	4.7000/4.7084	4.6500/4.6584
5-1/4"-12	5.2604	5.2000/5.2084	5.1500/5.1584
5-3/4"-12	5.7604	5.7000/5.7084	5.6500/5.6584
6-1/4"-12	6.2604	6.2000/6.2084	6.1500/6.1584
7-1/4"-10	7.2626	7.1900/7.1995	7.1300/7.1395
8-1/4"-10	8.2626	8.1900/8.1995	8.1300/8.1395
10-1/4"-10	10.2626	10.1900/10.1995	10.1300/10.1395

MOBILE CYLINDER HEADS



Material: 65-45-12
Ductile Iron



IT Head - Threadless

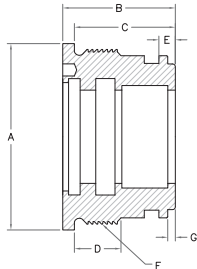
PART NUMBER	BORE +.003" -.003"	ROD +.000" -.003"	A	B	E	LIST PRICE
CM-H107597-NTHD	2.000	1.000	2.50	2.12	0.12	\$ 62.92
CM-H107598-NTHD	2.000	1.125	2.50	2.00	0.19	62.92
CM-H107595-NTHD	2.000	1.250	2.50	2.25	0.19	62.92
CM-H107193-NTHD	2.500	1.125	3.00	2.00	0.19	76.45
CM-H107194-NTHD	2.500	1.250	3.00	2.00	0.19	76.45
CM-H107463-NTHD	2.500	1.500	3.00	2.38	0.19	76.45
CM-H107673-NTHD	2.500	1.750	3.00	2.25	0.28	84.82
CM-H107157-NTHD	3.000	1.000	3.50	2.25	0.19	84.82
CM-H107196-NTHD	3.000	1.250	3.50	2.25	0.19	84.82
CM-H107131-NTHD	3.000	1.500	3.50	2.25	0.19	84.82
CM-H107189-NTHD	3.000	1.750	3.50	2.25	0.19	84.82
CM-H107359-NTHD	3.000	2.000	3.50	2.50	0.19	84.82
CM-H107591-NTHD	3.250	1.500	3.75	2.25	0.19	80.33
CM-H107592-NTHD	3.250	1.750	3.75	2.25	0.19	85.87
CM-H107197-NTHD	3.500	1.250	4.00	2.25	0.19	96.19
CM-H107198-NTHD	3.500	1.500	4.00	2.25	0.19	96.19
CM-H107108-NTHD	3.500	1.750	4.00	2.25	0.19	96.19
CM-H107112-NTHD	3.500	2.000	4.00	2.25	0.19	96.19
CM-H107462-NTHD	3.500	2.500	4.00	2.50	0.25	96.19
CM-H107130-NTHD	4.000	1.500	4.50	2.25	0.19	109.65
CM-H107124-NTHD	4.000	1.750	4.50	2.25	0.19	109.65
CM-H107311-NTHD	4.000	2.000	4.50	2.25	0.19	109.65
CM-H107331-NTHD	4.000	2.250	4.50	2.25	0.19	109.65
CM-H107386-NTHD	4.000	2.500	4.50	2.50	0.19	109.65
CM-H107525-NTHD	4.000	3.000	4.50	2.50	0.25	109.65
CM-H107199-NTHD	4.500	1.750	5.00	2.25	0.19	136.25
CM-H107200-NTHD	4.500	2.000	5.00	2.25	0.19	136.25
CM-H107201-NTHD	4.500	2.250	5.00	2.25	0.19	136.25
CM-H107528-NTHD	4.500	3.500	5.00	2.38	0.19	136.25
CM-H107234-NTHD	5.000	1.750	5.50	2.25	0.19	142.72
CM-H107212-NTHD	5.000	2.000	5.50	2.25	0.19	142.72
CM-H107204-NTHD	5.000	2.500	5.50	2.50	0.19	142.72
CM-H107205-NTHD	5.000	3.000	5.50	2.50	0.19	142.72
CM-H107345-NTHD	6.000	2.000	6.50	2.50	0.19	162.44
CM-H107206-NTHD	6.000	2.500	6.50	2.50	0.19	163.09
CM-H107207-NTHD	6.000	3.000	6.50	2.50	0.19	142.72
CM-H107178-NTHD	6.000	3.500	6.50	2.50	0.19	163.09
CM-H107328-NTHD	7.000	3.000	7.50	2.88	0.59	201.76
CM-H107493-NTHD	7.000	3.500	7.50	2.88	0.59	201.76
CM-H107467-NTHD	7.000	4.000	7.50	2.88	0.59	204.00
CM-H107466-NTHD	8.000	4.000	9.00	3.75	0.88	204.00
CM-H107494-NTHD	8.000	4.500	9.00	3.75	0.88	205.53
CM-H107475-NTHD	8.000	5.000	9.00	3.75	0.88	205.53

SEAL KIT NUMBER	LIST PRICE
CM-SK-H107597	\$ 19.36
CM-SK-H107598	19.36
CM-SK-H107595	19.36
CM-SK-H107193	18.97
CM-SK-H107194	18.97
CM-SK-H107463	26.35
CM-SK-H107673	91.89
CM-SK-H107157	19.57
CM-SK-H107196	18.97
CM-SK-H107131	19.04
CM-SK-H107189	20.27
CM-SK-H107359	20.82
CM-SK-H107591	24.54
CM-SK-H107592	25.78
CM-SK-H107197	19.58
CM-SK-H107198	20.27
CM-SK-H107108	21.50
CM-SK-H107112	23.83
CM-SK-H107462	24.82
CM-SK-H107130	21.15
CM-SK-H107124	22.54
CM-SK-H107311	19.24
CM-SK-H107331	28.13
CM-SK-H107386	29.15
CM-SK-H107525	28.43
CM-SK-H107199	24.89
CM-SK-H107200	26.49
CM-SK-H107201	29.93
CM-SK-H107528	47.28
CM-SK-H107234	25.38
CM-SK-H107212	26.93
CM-SK-H107204	31.34
CM-SK-H107205	34.90
CM-SK-H107345	28.38
CM-SK-H107206	32.77
CM-SK-H107207	36.33
CM-SK-H107178	41.97
CM-SK-H107328	39.32
CM-SK-H107493	44.69
CM-SK-H107467	52.80
CM-SK-H107466	54.43
CM-SK-H107494	66.24
CM-SK-H107475	73.34

MOBILE CYLINDER HEADS



Material: 65-45-12
Ductile Iron



ITW Head

PART NUMBER	BORE +.003" -.003"	ROD +.000" -.003"	A	B	C	D	E	F (BUT- TRESS)	G	LIST PRICE	SEAL KIT NUMBER	LIST PRICE
CM-H107729	3.000	1.750	3.50	2.62	2.25	1.00	0.56	3-1/4"-12	0.38	\$ 104.13	CM-SK-H107729	\$ 33.88
CM-H107548	3.000	2.000	3.50	2.62	2.25	1.00	0.56	3-1/4"-12	0.38	113.38	CM-SK-H107548	38.47
CM-H107791	3.500	1.750	4.00	2.62	2.25	1.00	0.56	3-3/4"-12	0.38	120.67	CM-SK-H107791	34.12
CM-H107549	3.500	2.000	4.00	2.62	2.25	1.00	0.56	3-3/4"-12	0.38	114.63	CM-SK-H107549	39.73
CM-H107550	4.000	2.000	4.50	3.25	2.75	1.25	0.56	4-1/4"-12	0.38	132.47	CM-SK-H107550	43.91
CM-H107551	4.000	2.500	4.50	3.25	2.75	1.25	0.56	4-1/4"-12	0.38	149.23	CM-SK-H107551	50.79
CM-H107640	4.000	3.000	4.50	3.62	3.12	1.38	0.19	4-1/4"-12	N/A	158.78	CM-SK-H107640	71.59
CM-H107716	4.500	2.000	5.00	3.25	2.75	1.25	0.56	4-3/4"-12	0.38	173.40	CM-SK-H107716	55.35
CM-H107552	4.500	2.500	5.00	3.25	2.75	1.25	0.56	4-3/4"-12	0.38	180.15	CM-SK-H107552	45.69
CM-H107553	4.500	3.000	5.00	3.25	2.75	1.25	0.56	4-3/4"-12	0.38	163.56	CM-SK-H107553	55.97
CM-H107630	4.500	3.500	5.00	3.62	3.12	1.38	0.19	4-3/4"-12	N/A	174.63	CM-SK-H107630	58.94
CM-H107679	5.000	2.000	5.50	3.00	2.50	1.12	0.56	5-1/4"-12	0.38	187.33	CM-SK-H107679	29.95
CM-H107554	5.000	2.500	5.50	3.62	3.12	1.38	0.81	5-1/4"-12	0.56	185.68	CM-SK-H107554	59.90
CM-H107555	5.000	3.000	5.50	3.62	3.12	1.38	0.81	5-1/4"-12	0.56	197.22	CM-SK-H107555	84.92
CM-H107651	5.000	3.500	5.50	3.62	3.12	1.38	0.81	5-1/4"-12	0.56	199.88	CM-SK-H107651	65.92
CM-H107606	5.000	4.000	5.50	3.62	3.12	1.38	0.19	5-1/4"-12	N/A	193.70	CM-SK-H107606	77.56
CM-H107611	5.500	2.500	6.00	3.62	3.12	1.38	0.81	5-3/4"-12	0.56	212.58	CM-SK-H107611	61.92
CM-H107612	5.500	3.000	6.00	3.62	3.12	1.38	0.81	5-3/4"-12	0.56	206.99	CM-SK-H107612	86.93
CM-H107706	5.500	3.500	6.00	3.62	3.12	1.38	0.81	5-3/4"-12	0.56	203.21	CM-SK-H107706	103.37
CM-H107583	5.500	4.000	6.00	3.62	3.12	1.38	0.81	5-3/4"-12	0.56	220.53	CM-SK-H107583	103.37
CM-H107608	5.500	4.500	6.12	3.62	3.12	1.38	0.19	5-3/4"-12	N/A	206.38	CM-SK-H107608	87.40
CM-H107556	6.000	2.500	6.50	3.62	3.12	1.38	0.81	6-1/4"-12	0.56	237.56	CM-SK-H107556	61.38
CM-H107557	6.000	3.000	6.50	3.62	3.12	1.38	0.81	6-1/4"-12	0.56	238.02	CM-SK-H107557	86.38
CM-H107558	6.000	3.500	6.50	3.62	3.12	1.38	0.81	6-1/4"-12	0.56	228.63	CM-SK-H107558	60.79
CM-H107570	6.000	4.000	6.50	3.62	3.12	1.38	0.81	6-1/4"-12	0.56	252.22	CM-SK-H107570	95.57
CM-H107584	6.000	4.500	6.50	3.38	2.88	1.25	0.81	6-1/4"-12	0.62	252.06	CM-SK-H107584	89.49
CM-H107721	7.000	2.500	7.50	4.25	3.75	1.50	1.03	7-1/4"-10	0.75	341.48	CM-SK-H107721	103.46
CM-H107559	7.000	3.000	7.50	4.25	3.75	1.50	1.03	7-1/4"-10	0.75	341.48	CM-SK-H107559	103.66
CM-H107560	7.000	3.500	7.50	4.25	3.75	1.50	1.03	7-1/4"-10	0.75	341.48	CM-SK-H107560	67.02
CM-H107561	7.000	4.000	7.50	4.25	3.75	1.50	1.03	7-1/4"-10	0.75	341.48	CM-SK-H107561	108.21
CM-H107607	8.000	3.500	8.50	4.50	3.75	1.50	1.03	8-1/4"-10	0.75	350.84	CM-SK-H107607	68.74
CM-H107562	8.000	4.000	8.50	4.50	3.75	1.50	1.03	8-1/4"-10	0.75	350.84	CM-SK-H107562	109.87
CM-H107563	8.000	4.500	8.50	4.50	3.75	1.50	1.03	8-1/4"-10	0.75	362.97	CM-SK-H107563	131.36
CM-H107722	8.000	5.000	8.50	4.50	3.75	1.50	1.03	8-1/4"-10	0.075	362.97	CM-SK-H107722	131.82
CM-H107605	10.000	4.000	10.50	5.00	4.25	1.50	1.25	10-1/4"-10	1.00	389.09	CM-SK-H107605	123.29
CM-H107604	10.000	5.000	10.50	5.00	4.25	1.50	1.25	10-1/4"-10	1.00	389.09	CM-SK-H107604	141.61

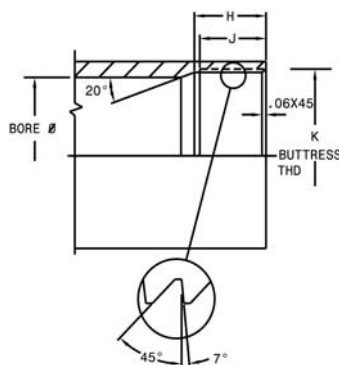
IT & ITW Technical Information

Basic information for Internal Buttress
Threads (52 degrees)

"H" = Length of Thread on Head plus 1/8"

"J" = Length of Thread on Head plus 1/16"

"K" = Buttress Thread as determined by Head



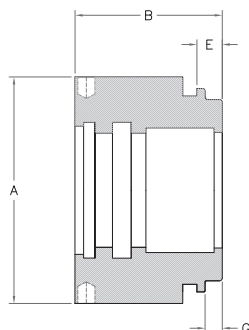
Basic Thread Size	Min. Major Diameter	Pitch Diameter	Minor Diameter
2-1/4"-12	2.2604	2.2000/2.2075	2.1500/2.1575
2-3/4"-12	2.7604	2.7000/2.7080	2.6500/2.6580
3-1/4"-12	3.2604	3.2000/3.2080	3.1500/3.1580
3-1/2"-12	3.5104	3.4500/3.4580	3.4000/3.4080
3-3/4"-12	3.7604	3.7000/3.7080	3.6500/3.6580
4-1/4"-12	4.2604	4.2000/4.2084	4.1500/4.1584
4-3/4"-12	4.7604	4.7000/4.7084	4.6500/4.6584
5-1/4"-12	5.2604	5.2000/5.2084	5.1500/5.1584
5-3/4"-12	5.7604	5.7000/5.7084	5.6500/5.6584
6-1/4"-12	6.2604	6.2000/6.2084	6.1500/6.1584
7-1/4"-10	7.2626	7.1900/7.1995	7.1300/7.1395
8-1/4"-10	8.2626	8.1900/8.1995	8.1300/8.1395
10-1/4"-10	10.2626	10.1900/10.1995	10.1300/10.1395

MOBILE CYLINDER HEADS

ITW Head - Threadless



Material: 65-45-12
Ductile Iron



PART NUMBER	BORE +.003" -.003"	ROD +.000" -.003"	A	B	E	G	LIST PRICE
CM-H107729-NTHD	3.000	1.750	3.50	2.62	0.56	0.38	\$ 80.33
CM-H107548-NTHD	3.000	2.000	3.50	2.62	0.56	0.38	82.35
CM-H107791-NTHD	3.500	1.750	4.00	2.62	0.56	0.38	85.87
CM-H107549-NTHD	3.500	2.000	4.00	2.62	0.56	0.38	88.05
CM-H107550-NTHD	4.000	2.000	4.50	3.25	0.56	0.38	111.63
CM-H107551-NTHD	4.000	2.500	4.50	3.25	0.56	0.38	121.33
CM-H107716-NTHD	4.500	2.000	5.00	3.25	0.56	0.38	146.12
CM-H107552-NTHD	4.500	2.500	5.00	3.25	0.56	0.38	146.12
CM-H107553-NTHD	4.500	3.000	5.00	3.25	0.56	0.38	146.12
CM-H107679-NTHD	5.000	2.000	5.50	3.00	0.56	0.38	168.78
CM-H107554-NTHD	5.000	2.500	5.50	3.62	0.81	0.56	171.20
CM-H107555-NTHD	5.000	3.000	5.50	3.62	0.81	0.56	175.53
CM-H107651-NTHD	5.000	3.500	5.50	3.62	0.81	0.56	179.89
CM-H107606-NTHD	5.000	4.000	5.50	3.62	0.19	N/A	138.01
CM-H107611-NTHD	5.500	2.500	6.00	3.62	0.81	0.56	191.94
CM-H107612-NTHD	5.500	3.000	6.00	3.62	0.81	0.56	168.78
CM-H107706-NTHD	5.500	3.500	6.00	3.62	0.81	0.56	191.94
CM-H107583-NTHD	5.500	4.000	6.00	3.62	0.81	0.56	198.48
CM-H107556-NTHD	6.000	2.500	6.50	3.62	0.81	0.56	198.61
CM-H107557-NTHD	6.000	3.000	6.50	3.62	0.81	0.56	198.80
CM-H107558-NTHD	6.000	3.500	6.50	3.62	0.81	0.56	214.85
CM-H107570-NTHD	6.000	4.000	6.50	3.62	0.81	0.56	216.92
CM-H107584-NTHD	6.000	4.500	6.50	3.38	0.81	0.62	216.92
CM-H107721-NTHD	7.000	2.500	7.50	4.25	1.03	0.75	316.54
CM-H107559-NTHD	7.000	3.000	7.50	4.25	1.03	0.75	316.54
CM-H107560-NTHD	7.000	3.500	7.50	4.25	1.03	0.75	316.54
CM-H107561-NTHD	7.000	4.000	7.50	4.25	1.03	0.75	316.54
CM-H107607-NTHD	8.000	3.500	8.50	4.50	1.03	0.75	326.91
CM-H107562-NTHD	8.000	4.000	8.50	4.50	1.03	0.75	326.91
CM-H107563-NTHD	8.000	4.500	8.50	4.50	1.03	0.75	338.30
CM-H107722-NTHD	8.000	5.000	8.50	4.50	1.03	0.75	338.30
CM-H107605-NTHD	10.000	4.000	10.50	5.00	1.25	1.00	372.01
CM-H107604-NTHD	10.000	5.000	10.50	5.00	1.25	1.00	372.01

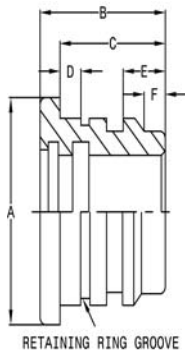
SEAL KIT NUMBER	LIST PRICE
CM-SK-H107729	\$ 33.88
CM-SK-H107548	38.47
CM-SK-H107791	34.12
CM-SK-H107549	39.73
CM-SK-H107550	43.91
CM-SK-H107551	50.79
CM-SK-H107716	55.35
CM-SK-H107552	45.69
CM-SK-H107553	55.97
CM-SK-H107679	29.95
CM-SK-H107554	59.90
CM-SK-H107555	84.92
CM-SK-H107651	65.92
CM-SK-H107606	77.56
CM-SK-H107611	61.92
CM-SK-H107612	86.93
CM-SK-H107706	103.37
CM-SK-H107583	103.37
CM-SK-H107556	61.38
CM-SK-H107557	86.38
CM-SK-H107558	60.79
CM-SK-H107570	95.57
CM-SK-H107584	89.49
CM-SK-H107721	103.46
CM-SK-H107559	103.66
CM-SK-H107560	67.02
CM-SK-H107561	108.21
CM-SK-H107607	68.74
CM-SK-H107562	109.87
CM-SK-H107563	131.36
CM-SK-H107722	131.82
CM-SK-H107605	123.29
CM-SK-H107604	141.61

MOBILE CYLINDER HEADS



TK Head

Material: Ductile Iron

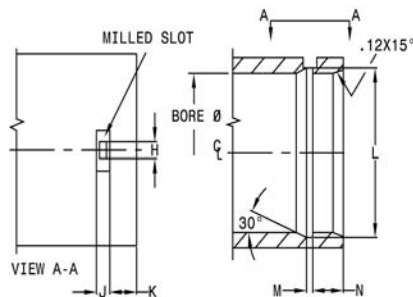


TK HEAD	BORE +.003" -.003"	ROD +.000" -.003"	A	B	C	D	E	F	TK HEAD LIST PRICE
CM-H70181	1.500	0.750	1.88	2.00	1.63	0.38	0.63	0.38	\$ 119.36
CM-H70184	1.500	1.000	1.88	2.00	1.12	0.31	0.19	N/A	119.36
CM-H70093	2.000	1.000	2.38	2.25	1.88	0.44	0.75	0.50	122.00
CM-H70159	2.000	1.125	2.38	2.25	1.88	0.44	0.75	0.44	122.00
CM-H70160	2.000	1.250	2.38	2.50	1.88	0.44	0.75	0.44	122.00
CM-H70161	2.500	1.125	2.88	2.25	1.88	0.44	0.75	0.44	122.72
CM-H70162	2.500	1.250	2.88	2.25	1.88	0.44	0.75	0.38	124.53
CM-H70163	2.500	1.500	2.88	2.25	1.88	0.44	0.75	0.62	126.09
CM-H70861	2.500	1.750	2.88	2.50	1.88	0.44	0.75	0.38	122.97
CM-H70164	3.000	1.250	3.38	2.75	2.25	0.51	0.88	0.50	146.88
CM-H70130	3.000	1.500	3.38	2.75	2.25	0.51	0.88	0.50	122.00
CM-H70560	3.000	1.750	3.38	2.75	2.25	0.51	0.88	0.44	152.21
CM-H70165	3.000	2.000	3.38	2.75	2.25	0.51	0.88	0.44	150.43
CM-H70166	3.500	1.250	3.88	2.75	2.25	0.51	0.88	0.50	138.66
CM-H70089	3.500	1.500	3.88	2.75	2.25	0.51	0.88	0.50	166.15
CM-H70862	3.500	1.750	3.88	2.75	2.25	0.51	0.88	0.50	171.15
CM-H70167	3.500	2.000	3.88	2.75	2.25	0.51	0.88	0.50	166.15
CM-H70115	4.000	1.500	4.50	2.75	2.25	0.44	0.88	0.44	186.36
CM-H70576	4.000	1.750	4.50	2.75	2.25	0.44	0.88	0.44	177.04
CM-H70116	4.000	2.000	4.50	2.75	2.25	0.44	0.88	0.44	186.36
CM-H70168	4.000	2.500	4.50	2.75	2.25	0.44	0.88	0.44	186.36
CM-H70367	4.500	2.000	5.00	2.75	2.25	0.44	0.88	0.44	215.15
CM-H70378	4.500	2.500	5.00	2.75	2.25	0.44	0.88	0.44	198.22
CM-H70379	4.500	3.000	5.00	2.75	2.25	0.44	0.88	0.44	215.15
CM-H70114	5.000	2.000	5.50	3.00	2.50	0.56	0.94	0.50	251.63
CM-H70113	5.000	2.500	5.50	3.00	2.50	0.56	0.94	0.50	251.63
CM-H70107	5.000	3.000	5.50	3.00	2.50	0.56	0.94	0.50	236.56
CM-H70389	5.500	2.000	6.00	3.00	2.50	0.56	0.94	0.50	242.43
CM-H70390	5.500	2.500	6.00	3.00	2.50	0.56	0.94	0.50	242.43
CM-H70391	5.500	3.000	6.00	3.00	2.50	0.56	0.94	0.50	242.43
CM-H70112	6.000	2.000	6.50	3.00	2.50	0.56	0.94	0.50	244.65
CM-H70111	6.000	2.500	6.50	3.00	2.50	0.56	0.94	0.50	244.65
CM-H70108	6.000	3.000	6.50	3.00	2.50	0.56	0.94	0.50	244.65

TK LOCK WIRE #	TK LOCK WIRE LIST PRICE
CM-RR20030	\$ 8.03
CM-RR20030	8.03
CM-RR20029	8.03
CM-RR20029	8.03
CM-RR20029	8.03
CM-RR20031	10.10
CM-RR20031	10.10
CM-RR20031	10.10
CM-RR20031	10.10
CM-RR20027	8.03
CM-RR20027	8.03
CM-RR20027	8.03
CM-RR20032	7.56
CM-RR20032	7.56
CM-RR20032	7.56
CM-RR20032	7.56
CM-RR20033	23.77
CM-RR20033	23.77
CM-RR20033	23.77
CM-RR20033	23.77
CM-RR20087	21.29
CM-RR20087	21.29
CM-RR20087	21.29
CM-RR20039	21.29
CM-RR20039	21.29
CM-RR20039	21.29
CM-RR20089	20.80
CM-RR20089	20.80
CM-RR20089	20.80
CM-RR20040	44.36
CM-RR20040	44.36
CM-RR20040	44.36

TK Technical Information

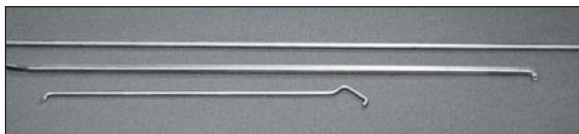
Retaining Groove Information



BORE +.003" -.003"	H	J	K	L +.010" -.000"	M +.005" -.000"	N +.000" -.005"
1.500	0.25	0.25	0.28	1.625	0.125	0.375*
2.000	0.25	0.25	0.34	2.125	0.125	0.438
2.500	0.25	0.25	0.34	2.625	0.125	0.438
3.000	0.25	0.25	0.41	3.125	0.125	0.500
3.500	0.25	0.25	0.41	3.625	0.125	0.500
4.000	0.38	0.25	0.41	4.188	0.188	0.438
4.500	0.38	0.25	0.41	4.688	0.188	0.438
5.000	0.38	0.25	0.53	5.188	0.188	0.562
5.500	0.38	0.25	0.53	5.688	0.188	0.562
6.000	0.38	0.25	0.53	6.188	0.188	0.562

* 0.312 for 1" Rod.

Wind-In Lock Wires

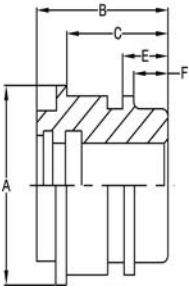


Part Number	Thickness	Length	List Price
LW-093-1262	3/32 sq.	12-5/8	\$ 26.49
MARION-35240	1/8 sq.	10-1/4	12.24
MARION-35250	1/8 sq.	13-3/8	11.54
MARION-35260	1/8 sq.	16-3/8	11.75
MARION-35270	1/8 sq.	19-1/4	13.50
MARION-1031	3/16 sq.	21.00	16.92
1/8 RD WIRE	1/8 round	11	2.19

MOBILE CYLINDER HEADS



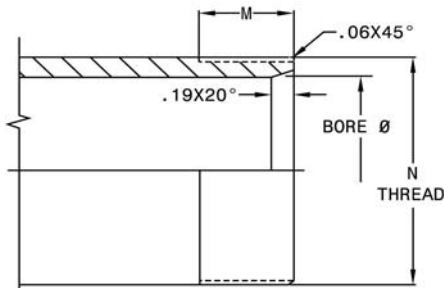
Material: Ductile Iron



TH Head

PART NUMBER	BORE +.003" -.003"	ROD +.000" -.003"	A	B	C	E	F	LIST PRICE	SEAL KIT NUMBER	LIST PRICE
CM-H70154	2.000	1.000	2.25	2.38	1.94	0.81	0.62	\$ 79.24	CM-SK-H70154	\$ 19.36
CM-H70155	2.000	1.125	2.25	2.38	1.94	0.81	0.62	82.62	CM-SK-H70155	19.36
CM-H70156	2.000	1.250	2.25	2.38	1.94	0.81	0.62	83.24	CM-SK-H70156	19.36
CM-H70157	2.500	1.125	2.75	2.38	1.94	0.81	0.62	92.11	CM-SK-H70157	19.36
CM-H70076	2.500	1.250	2.75	2.38	1.94	0.81	0.62	106.96	CM-SK-H70076	19.36
CM-H70158	2.500	1.500	2.75	2.38	1.94	0.81	0.62	108.32	CM-SK-H70158	19.36
CM-H70462	2.500	1.750	2.75	2.38	2.19	0.81	0.62	119.52	CM-SK-H70462	19.98
CM-H70029	3.000	1.250	3.25	2.75	2.19	0.94	0.75	120.31	CM-SK-H70029	19.36
CM-H70011	3.000	1.500	3.25	2.75	2.19	0.94	0.75	120.31	CM-SK-H70011	19.36
CM-H70814	3.000	1.750	3.25	2.75	2.19	0.94	0.75	120.31	CM-SK-H70814	20.31
CM-H70012	3.000	2.000	3.25	2.75	2.56	0.94	0.69	122.00	CM-SK-H70012	22.67
CM-H70013	3.500	1.500	3.75	2.75	2.19	0.94	0.75	129.51	CM-SK-H70013	19.36
CM-H70504	3.500	1.750	3.75	2.75	2.19	0.94	0.75	130.58	CM-SK-H70504	20.12
CM-H70030	3.500	2.000	3.75	2.75	2.19	0.94	0.75	129.90	CM-SK-H70030	22.54
CM-H70031	3.500	2.500	3.75	2.75	2.56	0.94	0.75	131.49	CM-SK-H70031	27.35
CM-H70014	4.000	1.500	4.25	2.75	2.19	0.94	0.75	132.58	CM-SK-H70014	21.57
CM-H70488	4.000	1.750	4.25	2.75	2.19	0.94	0.75	137.56	CM-SK-H70488	22.84
CM-H70015	4.000	2.000	4.25	2.75	2.19	0.94	0.75	138.05	CM-SK-H70015	25.22
CM-H70032	4.000	2.500	4.25	2.75	2.19	0.94	0.75	137.47	CM-SK-H70032	29.71
CM-H70033	4.000	3.000	4.25	2.75	2.56	0.94	0.75	142.98	CM-SK-H70033	33.34
CM-H70276	4.500	2.000	4.75	2.75	2.19	0.94	0.75	161.31	CM-SK-H70276	27.02
CM-H70310	4.500	2.500	4.75	2.75	2.19	0.94	0.75	162.06	CM-SK-H70310	31.51
CM-H70377	4.500	3.000	4.75	2.75	2.19	0.94	0.69	176.13	CM-SK-H70377	35.14
CM-H70037	5.000	2.000	5.38	3.00	2.44	1.13	0.88	185.03	CM-SK-H70037	28.58
CM-H70038	5.000	2.500	5.38	3.00	2.44	1.13	0.88	185.35	CM-SK-H70038	33.07
CM-H70039	5.000	3.000	5.38	3.00	2.44	1.13	0.88	185.84	CM-SK-H70039	36.70
CM-H70153	5.500	2.000	5.88	3.00	2.44	1.13	0.88	193.62	CM-SK-H70153	29.27
CM-H70142	5.500	2.500	5.88	3.00	2.44	1.13	0.88	196.45	CM-SK-H70142	33.76
CM-H70143	5.500	3.000	5.88	3.00	2.44	1.13	0.88	198.39	CM-SK-H70143	37.41
CM-H70041	6.000	2.000	6.38	3.00	2.44	1.13	0.88	210.63	CM-SK-H70041	30.58
CM-H70042	6.000	2.500	6.38	3.00	2.44	1.13	0.88	212.37	CM-SK-H70042	35.08
CM-H70043	6.000	3.000	6.38	3.00	2.44	1.13	0.88	214.53	CM-SK-H70043	38.72
CM-H70180	7.000	2.500	7.50	4.00	3.13	1.75	1.50	229.76	CM-SK-H70180	36.36
CM-H70176	7.000	3.000	7.50	4.00	3.13	1.75	1.50	230.03	CM-SK-H70176	40.11
CM-H70186	7.000	3.500	7.50	4.00	3.13	1.75	1.50	231.13	CM-SK-H70186	44.69
CM-H70133	8.000	3.000	8.50	4.00	3.13	1.75	1.50	250.05	CM-SK-H70133	44.45
CM-H70195	8.000	3.500	8.50	4.00	3.13	1.75	1.50	250.46	CM-SK-H70195	46.34
CM-H70217	8.000	4.000	8.50	4.00	3.13	1.75	1.50	250.59	CM-SK-H70217	49.87

TH Head Technical Information

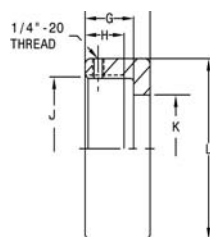


Bores +.003" -.003"	M	N	Thread Major Diameter	Thread Pitch Diameter
2.000	0.81	2-3/8"-12 UN-2A	2.3731/2.3617	2.3191/2.3128
2.500	0.81	2-7/8"-12 UN-2A	2.8731/2.8617	2.8191/2.8127
3.000	1.00	3-1/2"-12 UN-2A	3.4981/3.4867	3.4440/3.4376
3.500	1.00	4"-12 UN-2A	3.9980/3.9866	3.9439/3.9374
4.000	1.00	4-1/2"-12 UN-2A	4.4980/4.4866	4.4439/4.4374
4.500	1.00	5"-12 UN-2A	4.9980/4.9866	4.9439/4.9372
5.000	1.00	5-1/2"-12 UN-2A	5.4980/5.4866	5.4439/5.4372
5.500	1.00	6"-12 UN-2A	5.9979/5.9865	5.9438/5.9369
6.000	1.00	6-5/8"-12 UN-2A	6.6229/6.6115	6.5688/6.5619
7.000	1.25	7-7/8"-12 UN-2A	7.8729/7.8615	7.8188/7.8119
8.000	1.25	8-7/8"-12 UN-2A	8.8729/8.8615	8.8188/8.8119

MOBILE CYLINDER CAPS



TH Cap



Material: 1026 CDS Tubing
SAE Threads

PART NUMBER	BORE +.003\"	F	G	H	J	K	L	LIST PRICE
CM-HC70074	2.000	1.13	0.88	0.69	2-3/8\"	UN-2B	1.81	\$ 74.63
CM-HC70075	2.500	1.13	0.88	0.69	2-7/8\"	UN-2B	2.31	92.49
CM-HC70008	3.000	1.38	1.00	0.75	3-1/2\"	UN-2B	2.63	94.61
CM-HC70009	3.500	1.38	1.00	0.75	4\"	UN-2B	3.13	99.61
CM-HC70034	4.000	1.38	1.00	0.75	4-1/2\"	UN-2B	3.63	106.44
CM-HC70277	4.500	1.38	1.00	0.75	5\"	UN-2B	4.13	113.22
CM-HC70040	5.000	1.38	1.00	0.75	5-1/2\"	UN-2B	4.63	125.08
CM-HC70140	5.500	1.38	1.00	0.75	6\"	UN-2B	5.13	153.45
CM-HC70044	6.000	1.38	1.00	0.75	6-5/8\"	UN-2B	5.63	160.47
CM-HC70174	7.000	2.00	1.38	1.13	7-7/8\"	UN-2B	6.13	172.34
CM-HC70132	8.000	2.00	1.38	1.13	8-7/8\"	UN-2B	7.13	172.34



Base Plate (medium duty)

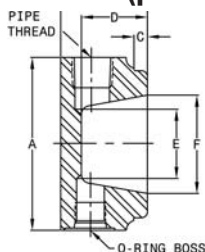


Material: A-36 Plate

PART NUMBER	BORE +.003\"	A	B	C	LIST PRICE
CM-BP60056	1.500	1.88	0.50	0.25	\$ 32.26
CM-BP60010	2.000	2.38	0.50	0.25	32.78
CM-BP60011	2.500	2.88	0.50	0.25	37.30
CM-BP60012	3.000	3.38	0.59	0.25	40.13
CM-BP60013	3.500	3.88	0.69	0.38	49.32
CM-BP60014	4.000	4.50	0.75	0.38	50.22
CM-BP60437	4.500	5.00	0.88	0.38	66.86
CM-BP60015	5.000	5.56	0.88	0.38	76.97
CM-BP60124	5.500	6.00	0.88	0.38	101.08
CM-BP60016	6.000	6.75	1.00	0.38	100.27
CM-BP60157	7.000	8.00	1.00	0.38	113.78
CM-BP60107	8.000	9.00	1.00	0.38	166.32



Base End (ported)

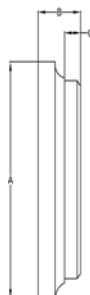


Material: A-36 Plate

PART NUMBER	BORE +.003\"	NPT	SAE	A	B	C	D	E	F	LIST PRICE
CM-BEP112380	2.000	3/8"	#6	2.50	1.56	0.25	1.00	1.25	1.45	\$ 140.62
CM-BEP112381	2.500	3/8"	#6	3.00	1.56	0.25	1.00	1.25	1.75	274.89
CM-BEP112382	3.000	1/2"	#8	3.50	1.69	0.25	1.12	1.75	2.19	170.47
CM-BEP112383	3.500	1/2"	#8	4.00	1.69	0.25	1.12	2.00	2.19	175.74
CM-BEP112384	4.000	1/2"	#8	4.50	1.81	0.25	1.35	2.12	2.62	175.03
CM-BEP112385	4.500	1/2"	#8	5.12	1.81	0.25	1.35	2.12	2.62	150.00
CM-BEP112386	5.000	3/4"	#12	5.62	1.94	0.25	1.35	2.38	3.03	175.03
CM-BEP112398	5.500	3/4"	#12	6.25	2.19	0.25	1.50	3.29	4.06	141.57
CM-BEP112387	6.000	3/4"	#12	6.75	2.19	0.25	1.50	3.29	4.06	175.03



Base Plate (heavy duty)



Material: A-36 Plate

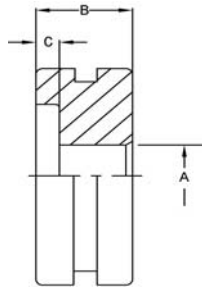
PART NUMBER	BORE +.003\"	A	B	C	LIST PRICE
CM-BP112527	1.500	2.000	0.50	0.19	\$ 23.39
CM-BP112292	2.000	2.500	0.50	0.12	30.93
CM-BP112209	2.500	3.000	0.62	0.25	34.01
CM-BP112210	3.000	3.500	0.75	0.25	35.03
CM-BP112461	3.250	3.750	0.88	0.25	39.73
CM-BP112211	3.500	4.000	0.88	0.25	40.78
CM-BP112212	4.000	4.500	1.00	0.25	46.73
CM-BP112414	4.000	4.620	1.00	0.25	45.26
CM-BP112213	4.500	5.000	1.12	0.25	56.33
CM-BP112234	5.000	5.500	1.25	0.25	62.96
CM-BP112459	5.000	5.620	1.25	0.25	65.27
CM-BP112214	5.000	5.750	1.25	0.25	58.55
CM-BP112426	5.500	6.120	1.31	0.25	77.74
CM-BP112236	6.000	6.500	1.38	0.25	85.32
CM-BP112512	6.000	6.620	1.38	0.25	84.15
CM-BP112215	6.000	6.750	1.38	0.25	90.39
CM-BP112569	6.500	7.250	1.25	0.25	114.73
CM-BP112364	7.000	8.000	1.44	0.25	129.22
CM-BP112373	8.000	9.000	1.50	0.25	184.83
CM-BP112496	9.000	10.000	1.50	0.38	202.22
CM-BP112467	10.000	11.000	1.50	0.38	275.87

MOBILE CYLINDER PISTONS



Material: Ductile Iron

TM Piston



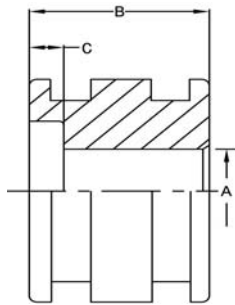
PART NUMBER	BORE +.003" -.003"	A +.002" -.000"	B	C	LIST PRICE
CM-P70079	1.50	0.626	0.88	N/A	\$ 35.67
CM-P70055	2.00	0.751	1.00	N/A	37.53
CM-P70065	2.50	0.751	1.00	N/A	55.85
CM-P70841	3.00	0.751	1.00	0.25	57.51
CM-P70872	3.50	1.001	1.00	0.38	64.01
CM-P70067	4.00	1.001	1.00	N/A	77.74
CM-P70384	4.50	1.251	1.50	N/A	102.05
CM-P70090	5.00	1.251	1.50	N/A	122.75
CM-P70385	5.50	1.501	1.50	N/A	143.86
CM-P70139	6.00	1.501	1.50	N/A	187.36

SEAL KIT NUMBER	LIST PRICE
CM-SK-P70079	\$ 18.97
CM-SK-P70055	18.97
CM-SK-P70065	18.97
CM-SK-P70841	18.97
CM-SK-P70872	18.97
CM-SK-P70067	18.97
CM-SK-P70384	19.58
CM-SK-P70090	18.97
CM-SK-P70385	19.58
CM-SK-P70139	19.58



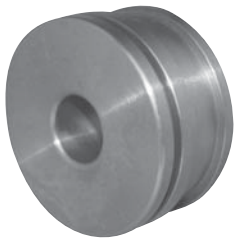
Material: Ductile Iron

TH Piston



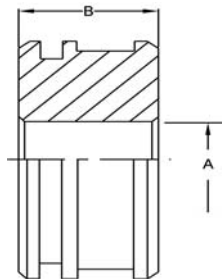
PART NUMBER	BORE +.003" -.003"	A +.002" -.000"	B	C	LIST PRICE
CM-P70020	1.50	0.626	1.13	N/A	\$ 51.43
CM-P70005	2.00	0.751	1.50	N/A	59.43
CM-P70017	2.50	0.751	1.50	N/A	77.89
CM-P70006	3.00	1.001	1.75	N/A	80.18
CM-P70007	3.50	1.126	1.75	N/A	85.35
CM-P70010	4.00	1.251	1.75	N/A	97.67
CM-P70275	4.50	1.251	1.75	N/A	106.66
CM-P70018	5.00	1.251	2.00	N/A	143.50
CM-P70141	5.50	1.501	2.00	N/A	154.98
CM-P70019	6.00	1.501	2.00	N/A	160.53
CM-P70175	7.00	1.751	3.00	0.75	262.75
CM-P70134	8.00	2.001	3.00	0.75	281.01

SEAL KIT NUMBER	LIST PRICE
CM-SK-P70020	\$ 18.97
CM-SK-P70005	19.36
CM-SK-P70017	21.15
CM-SK-P70006	26.56
CM-SK-P70007	31.75
CM-SK-P70010	36.01
CM-SK-P70275	39.56
CM-SK-P70018	67.89
CM-SK-P70141	102.99
CM-SK-P70019	70.26
CM-SK-P70175	143.89
CM-SK-P70134	166.14



Material: 65-45-12
Ductile Iron

IT (narrow) Piston



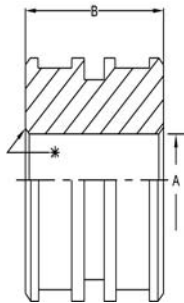
PART NUMBER	BORE +.003" -.003"	A +.002" -.000"	B	LIST PRICE
CM-P110629	1.500	0.626	1.12	\$ 38.89
CM-P110238	2.000	0.751	1.25	51.30
CM-P110239	2.500	0.751	1.25	52.96
CM-P110240	3.000	0.876	1.25	56.41
CM-P110608	3.250	1.001	1.25	75.77
CM-P110241	3.500	1.001	1.25	77.55
CM-P110242	4.000	1.001	1.25	80.41
CM-P110384	4.500	1.126	1.50	101.96
CM-P110212	5.000	1.126	1.50	103.60

SEAL KIT NUMBER	LIST PRICE
CM-SK-P110629	\$ 18.97
CM-SK-P110238	19.36
CM-SK-P110239	18.97
CM-SK-P110240	19.58
CM-SK-P110608	18.97
CM-SK-P110241	18.97
CM-SK-P110242	18.97
CM-SK-P110384	22.99
CM-SK-P110212	30.52

MOBILE CYLINDER PISTONS



Material: 65-45-12
Ductile Iron



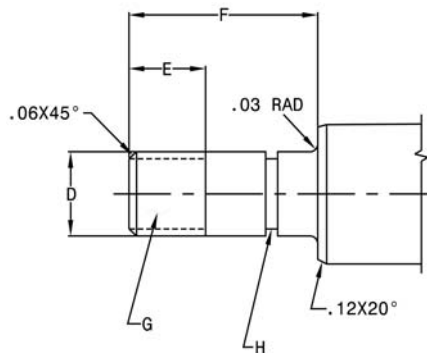
IT (wide) Piston

IT (WIDE) PISTON	BORE $+.003"$ $-.003"$	A $+.002"$ $-.000"$	B	LIST PRICE
CM-P110548	2.000	1.001	2.00	\$ 87.01
CM-P110596	2.500	0.751	1.88	57.05
CM-P110121	3.000	1.001	2.00	62.58
CM-P110288	3.500	1.126	2.00	61.53
CM-P110287	4.000	1.126	2.00	72.88
CM-P110537	4.500	1.251	2.00	75.15
CM-P110248	5.000	1.251	2.00	87.01
CM-P110511	5.500	1.251	2.12	123.91
CM-P110249	6.000	1.251	2.12	132.07
CM-P110607	6.000	1.501	2.12	132.07
CM-P110312	7.000	1.751	2.12	173.59
CM-P110479	8.000	2.001	3.12	381.17
CM-P110683	9.000	2.501	4.38	304.57
CM-P110634	10.000	2.500	4.38	372.91

*NOTE: P110479 is counter bored for a (-.226) Stub O-ring.
P110634 is counter bored for a (-.230) Stub O-ring.
P110683 is counter bored for a (-.230) Stub O-ring.

SEAL KIT NUMBER	LIST PRICE
CM-SK-P110548	\$ 25.44
CM-SK-P110596	4.61
CM-SK-P110121	27.33
CM-SK-P110288	26.15
CM-SK-P110287	29.61
CM-SK-P110537	47.59
CM-SK-P110248	38.26
CM-SK-P110511	44.79
CM-SK-P110249	54.74
CM-SK-P110607	56.52
CM-SK-P110312	61.42
CM-SK-P110479	105.19
CM-SK-P110683	375.07
CM-SK-P110634	283.28

Piston Stub Technical Information



"D" = "A" Diameter of Piston, minus 0.001"/0.003"

"E" = Nut Length + 0.25"

"F" = Piston Width "B" minus Counterbore Depth "C" + Nut Length + 0.12"

"G" = Thread Size to be determined by nut used

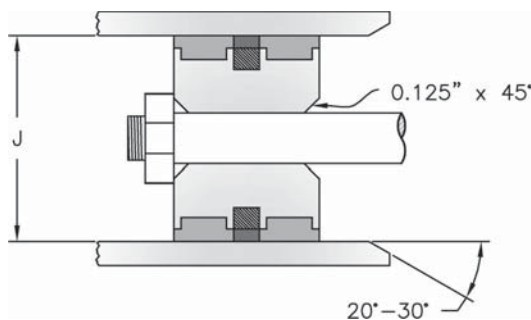
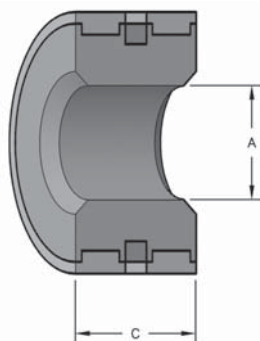
"H" = Located under middle of Piston, 0.098"/0.093" Wide X 0.050"/0.052" Deep for 1/16 cross section O-ring (000 Series)

Note: Good rule of thumb is to size the stub diameter at least one half the diameter of the rod.



MOBILE ALL-IN-ONE PISTONS

The John Deere and New Holland All-In-One Pistons are designed to handle a broad range of application parameters. The piston body is machined to exact dimensions and is constructed using four components: a high strength steel body, a non-metallic bearing, a rubber loading ring, and a filled PTFE seal ring. The non-metallic bearing is molded to the piston using a special proprietary process.



SEAL INFORMATION

MATERIAL	STEEL, NYLON, NBR, PTFE
TEMPERATURE RANGE	-40° TO +230° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	3 FT/SEC

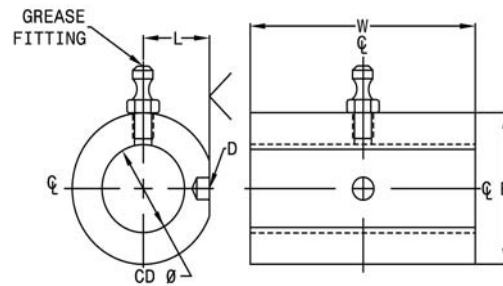
Part Number	J Bore Diameter	A Hole ID	C Piston Width	Counterbore Depth (mm)	Counterbore Diameter (mm)	List Price
JD-AH138200	50	16.56	31.24	10	25	\$ 102.60
JD-AH174930	50	20.55	31.24	10	32	104.40
JD-AH135785	56	16.59	31.24	10	25	135.00
JD-AH166138	63	22.58	31.24	10	36	126.00
JD-AH137177	63	22.58	31.24	10	40	129.60
JD-AH142159	63	20.57	31.24	10	32	101.43
JD-AH160647	63	22.58	31.24	10	45	129.60
JD-AH228448	63	24.56	31.24	10	36	77.11
JD-RE29383	63	22.20	31.24	NONE	NONE	131.40
JD-AH165962	70	27.58	36.25	15	45	189.00
JD-AH158623	70	24.56	36.25	15	40	104.40
JD-AH172352	70	22.58	36.25	15	36	133.19
JD-RE34084	70	24.56	36.25	15	45	189.00
JD-AH227867	70	27.58	36.25	14	40	104.40
JD-AH139078	80	24.56	29.08	9.5	40	167.93
NH-87432513	80	24.26	29.08	15	50.1	115.67
NH-83962807	80	24.26	29.08	10	40.1	115.67
JD-RE34085	80	27.58	40.74	19.5	40	124.24
JD-AH165826	80	27.58	40.74	15	50	124.24
JD-AH173410	80	30.58	40.74	15	50	156.59
JD-RE33968	80	27.58	40.74	19.5	45	242.99
NH-85800981	90	24.26	29.08	15	50.1	128.52
JD-AH136453	90	27.58	45.75	20	45	216.00
JD-AH169436	90	30.58	45.75	20	45	278.99
JD-AH169827	90	26.09	45.75	20	56	207.00
JD-AH141183	90	30.58	45.75	20	50	191.98
JD-AH205062	90	30.58	45.75	20	50	191.98
NH-85800982	100	30.78	41.28	14	56.1	128.00
JD-AH166637	100	33.63	45.75	20	56	342.00
JD-AH159034	100	30.58	45.75	20	50	319.29
JD-AH164620	100	33.83	45.75	20	50	251.99
JD-AH169826	100	26.09	45.75	20	50	332.99
NH-81875232	110	30.25	45.09	9.9	50.1	140.39
NH-85800983	115	33.76	40.31	10	63.1	167.80
NH-87611074	115	33.76	40.31	10	63.1	207.67
JD-AH168884	115	36.63	45.75	20	56	278.99
JD-AH167446	125	36.63	55.25	20	63	404.99

MOBILE MOUNTS



Cross Tube Mount

PART NUMBER	CD	W	B	L	D	LIST PRICE
CM-CT251015	1.00	2.50	1.50	0.69	.250 x .09	\$ 12.80
CM-CT301015	1.00	3.00	1.50	0.69	.250 x .09	13.44
CM-CT351015	1.00	3.50	1.50	0.69	.250 x .09	16.80
CM-CT401015	1.00	4.00	1.50	0.69	.250 x .09	17.04
CM-CT451015	1.00	4.50	1.50	0.69	.250 x .09	19.84
CM-CT271017	1.00	2.75	1.75	0.81	.250 x .15	18.00
CM-CT321017	1.00	3.25	1.75	0.81	.250 x .15	18.88
CM-CT371017	1.00	3.75	1.75	0.81	.250 x .15	19.84
CM-CT421017	1.00	4.25	1.75	0.81	.250 x .15	20.96
CM-CT471017	1.00	4.75	1.75	0.81	.250 x .15	24.24
CM-CT521017	1.00	5.25	1.75	0.81	.250 x .15	25.28
CM-CT271220	1.25	2.75	2.00	0.88	.250 x .15	19.04
CM-CT321220	1.25	3.25	2.00	0.88	.250 x .15	20.40
CM-CT371220	1.25	3.75	2.00	0.88	.250 x .15	23.92
CM-CT421220	1.25	4.25	2.00	0.88	.250 x .15	25.12
CM-CT471220	1.25	4.75	2.00	0.88	.250 x .15	26.56
CM-CT521220	1.25	5.25	2.00	0.88	.250 x .15	27.84
CM-CT601220	1.25	6.00	2.00	0.88	.250 x .15	33.04
CM-CT701220	1.25	7.00	2.00	0.88	.250 x .15	35.84
CM-CT301525	1.50	3.00	2.50	1.13	.250 x .19	22.96
CM-CT421525	1.50	4.25	2.50	1.13	.250 x .19	29.84
CM-CT471525	1.50	4.75	2.50	1.13	.250 x .19	31.68
CM-CT551525	1.50	5.50	2.50	1.13	.250 x .19	37.68
CM-CT601525	1.50	6.00	2.50	1.13	.250 x .19	41.68
CM-CT701525	1.50	7.00	2.50	1.13	.250 x .19	44.16
CM-CT321727	1.75	3.25	2.75	1.25	.250 x .19	30.64
CM-CT471727	1.75	4.75	2.75	1.25	.250 x .19	41.20
CM-CT551727	1.75	5.50	2.75	1.25	.250 x .19	44.80
CM-CT601727	1.75	6.00	2.75	1.25	.250 x .19	50.56
CM-CT701727	1.75	7.00	2.75	1.25	.250 x .19	55.44
CM-CT352030	2.00	3.50	3.00	1.38	.250 x .19	34.56
CM-CT472030	2.00	4.75	3.00	1.38	.250 x .19	46.24
CM-CT552030	2.00	5.50	3.00	1.38	.250 x .19	47.76
CM-CT602030	2.00	6.00	3.00	1.38	.250 x .19	57.92
CM-CT702030	2.00	7.00	3.00	1.38	.250 x .19	64.08



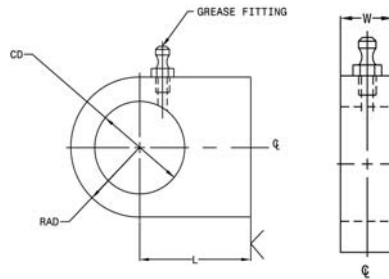
MOBILE WELDED MOUNTS



Welded Base End Spherical Mount

PART NUMBER	CD	L	RAD	W	PIN DIAMETER	DESIGNED SPHERICAL #	MAX PULL AT YEILD	LIST PRICE
CM-WBES-10	1.625	2.00	1.25	0.75	1.00	SB99100	15,000#	\$ 144.07
CM-WBES-12	2.000	2.00	1.50	0.94	1.25	SB99125	20,000#	154.43
CM-WBES-15	2.437	2.50	1.88	1.12	1.50	SB99150	35,000#	202.57
CM-WBES-17	2.812	2.50	2.00	1.31	1.75	SB99175	35,000#	228.87
CM-WBES-20	3.187	2.75	2.38	1.50	2.00	SB99200	55,000#	214.44
CM-WBES-25	3.937	3.25	3.00	1.88	2.50	SB99250	95,000#	285.90

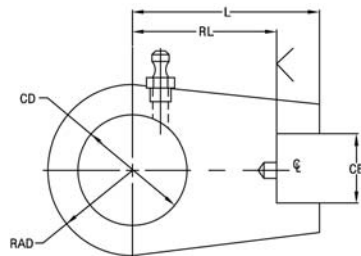
Material: 50K Min. Yield Plate



Welded Rod End Spherical Mount

PART NUMBER	CD	L	RAD	W	D	CB	RL	PIN DIAMETER	DESIGNED SPHERICAL #	LIST PRICE
CM-WRES-10	1.625	2.750	1.25	0.75	.250 X .19	1.015	2.12	1.00	SB99100	\$ 133.70
CM-WRES-12	2.000	3.000	1.50	0.94	.250 X .19	1.265	2.25	1.25	SB99125	195.53
CM-WRES-15	2.437	3.250	1.88	1.12	.250 X .19	1.515	2.50	1.50	SB99150	214.44
CM-WRES-17	2.812	3.750	2.00	1.31	.250 X .19	1.515	2.75	1.75	SB99175	218.88
CM-WRES-20	3.187	4.000	2.38	1.50	.250 X .19	2.015	3.00	2.00	SB99200	220.36
CM-WRES-25	3.937	4.750	3.00	1.88	.250 X .19	2.515	3.50	2.50	SB99250	262.57

Material: 50K Min. Yield Plate

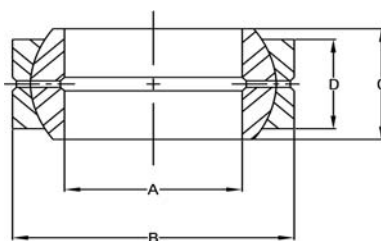


MOBILE SPHERICAL BEARINGS



Spherical Bearing

PART NUMBER	A	B	C	D	HOUSING DIAMETER	LIST PRICE
CM-SB99062	0.6245/0.6250	1.0625/1.0620	0.547/0.542	0.469/0.464	1.0614/1.0622	\$ 33.32
CM-SB99075	0.7495/0.7500	1.2495/1.2500	0.656/0.651	0.562/0.557	1.2487/1.2497	33.49
CM-SB99100	0.9995/1.0000	1.6250/1.6245	0.875/0.870	0.750/0.745	1.6237/1.6247	33.82
CM-SB99125	1.2495/1.2500	2.0000/1.9995	1.093/1.087	0.937/0.932	1.9985/1.9997	42.21
CM-SB99137	1.3745/1.3750	2.1875/2.1869	1.187/1.182	1.031/1.026	2.1860/2.1872	50.27
CM-SB99150	1.4995/1.5000	2.4375/2.4369	1.312/1.307	1.125/1.120	2.4360/2.4372	57.95
CM-SB99175	1.7495/1.7500	2.8125/2.8119	1.531/1.526	1.312/1.307	2.8110/2.8122	72.94
CM-SB99200	1.9995/2.0000	3.1875/3.1869	1.750/1.745	1.500/1.495	3.1858/3.1871	95.63
CM-SB99225	2.2495/2.2500	3.5625/3.5617	1.969/1.964	1.687/1.682	3.5607/3.5621	131.28
CM-SB99250	2.4994/2.5000	3.9375/3.9367	2.187/2.182	1.875/1.870	3.9357/3.9371	165.41



NEW

MOBILE TOP LINK BALL ENDS

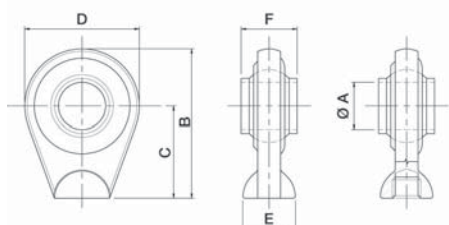


MATERIAL : ST52.3

PLEASE NOTE THAT SIZES ARE
EITHER METRIC OR IMPERIAL

PART NUMBER	CATEGORY	A	B	C	D	E	F	LIST PRICE
HCC-TL19-5030	1	19	77	50	53	25	30	\$ 19.14
HCC-TL19-5044	1	19	75	50	53	25	44	18.43
HCC-TL19-3444*	1	19	67	34	58	30 X 14	44	24.78
HCC-TL19-5551	1	19	82	55	75	35	51	41.86
HCC-TL19-6044	1	19	91	60	62	34	44	20.75
HCC-TL20-5844		20	91	58	62	34	44	27.64
HCC-TL20-6044		20	91	60	62	34	44	14.40
HCC-TL22-5035	1	22	80	50	62	26	35	26.48
HCC-TL22-6551	1	22	103	65	75	38	51	28.53
HCC-TL25-6551-75	2	25.4	103	65	75	38	51	29.79
HCC-TL25-6551-83	2	25.4	107	65	83	50	51	38.10
HCC-TL25-7051	2	25.4	104	70	85	50	51	22.81
HCC-TL35-6535		35	107	65	83	50	35	39.80
HCC-TL40-8575		40	139	85	108	60	75	78.35

* THIS ITEM HAS A RECTANGLE BASE



HERCULES PART NUMBERS

HCC-TL 19 - 50 - 30

Top Link Pin Diameter Center Height Total Width

NEW

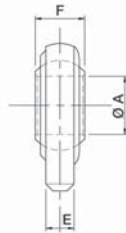
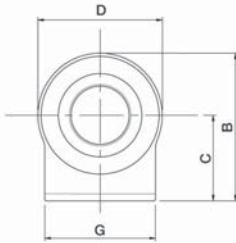
MOBILE LOWER LINK BALL ENDS

Style A



MATERIAL : ST52.3

PART NUMBER	CATEGORY	A	B	C	D	E	F	G	LIST PRICE
HCC-LL14-6032	1	14.2	83	60	46	11	32	30	\$ 16.37
HCC-LL16-6020		16.2	83	60	46	11	20	30	16.28
HCC-LL19-4535		19.2	73	45	65	15	35	50	38.37
HCC-LL22-4535	1	22.1	73	45	65	15	35	50	30.86
HCC-LL25-5035	2	25.4	88	50	76	18	35	70	26.92
HCC-LL28-5535	2	28.2	97	55	83	18	35	70	34.53



HERCULES PART NUMBERS

HCC-LL 14 - 60 - 32

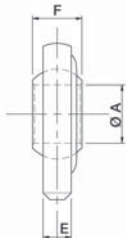
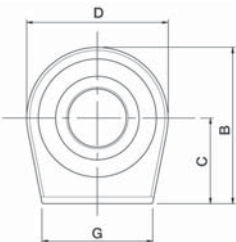
Lower Link Pin Diameter Center Height Total Width

Style B



MATERIAL : ST52.3

PART NUMBER	CATEGORY	A	B	C	D	E	F	G	LIST PRICE
HCC-LL19-5035	1	19	84	50	67	18	35	56	\$ 21.20
HCC-LL22-5035	2	22	84	50	67	18	35	56	24.15
HCC-LL22-7535	1	22	109	75	67	18	35	56	24.60
HCC-LL28-8045	2	28.4	120	80	85	18	45	70	53.76
HCC-LL28-8035	2	28.4	120	80	85	18	35	70	34.44



HERCULES PART NUMBERS

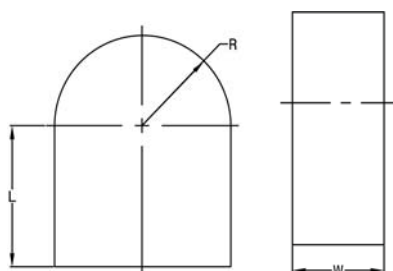
HCC-LL 19 - 50 - 35

Lower Link Pin Diameter Center Height Total Width

MOBILE WELDED MOUNTS



Material: A-36 Plate

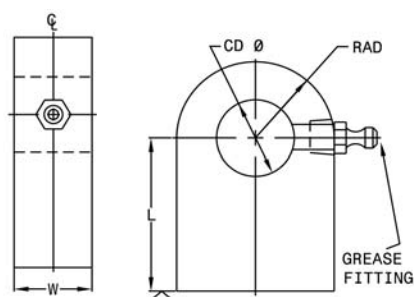


Mounting Lug

PART NUMBER	L	R	W	LIST PRICE
CM-ML296	1.50	1.00	0.50	\$ 9.11
CM-ML297	1.50	1.00	0.62	8.80
CM-ML298	1.50	1.00	0.75	9.65
CM-ML299	1.75	1.25	1.00	12.78
CM-ML301	2.00	1.50	1.00	15.20
CM-ML302	2.50	2.00	1.00	20.55
CM-ML303	1.50	1.00	1.25	17.14
CM-ML304	1.50	1.12	1.50	15.28
CM-ML305	2.00	1.25	1.50	17.84
CM-ML306	1.75	1.50	1.50	18.70
CM-ML307	2.75	1.50	1.50	20.57
CM-ML308	1.75	1.25	2.00	19.74
CM-ML309	2.00	1.50	2.00	23.79
CM-ML310	2.12	1.50	2.00	24.27
CM-ML311	2.25	1.50	2.00	24.91
CM-ML312	3.00	1.50	2.00	29.53
CM-ML313	1.75	1.75	2.00	32.62
CM-ML314	1.88	1.75	2.00	35.33
CM-ML315	2.12	1.75	2.00	33.96
CM-ML316	2.50	1.75	2.00	39.60
CM-ML317	2.75	1.75	2.00	47.90
CM-ML318	3.00	2.00	2.00	51.76
CM-ML319	3.00	2.12	2.00	57.68
CM-ML320	3.12	2.50	2.00	83.46
CM-ML321	2.00	1.12	2.25	34.46
CM-ML322	2.25	1.75	2.25	55.68
CM-ML323	3.00	2.50	2.25	77.23
CM-ML324	3.00	2.50	2.50	69.91
CM-ML325	3.00	2.25	3.00	86.51
CM-ML326	3.00	2.00	3.25	91.80



Material: A-36 Plate



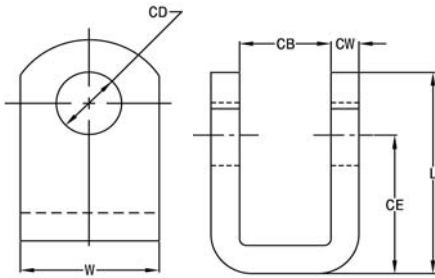
Mounting Lug

PART NUMBER	CD	L	RAD	W	GREASE FITTING	LIST PRICE
CM-ML050100	1.00	2.00	1.00	0.50	N/A	\$ 27.20
CM-ML062100	1.00	2.00	1.00	0.62	N/A	27.20
CM-ML060333	1.00	2.12	1.00	0.75	N/A	36.17
CM-ML100100	1.00	2.00	1.00	1.00	N/A	37.01
CM-ML125100	1.00	2.00	1.00	1.25	1/8" NPT	43.60
CM-ML062125	1.25	2.50	1.25	0.62	N/A	32.04
CM-ML075125	1.25	2.50	1.25	0.75	N/A	37.01
CM-ML100125	1.25	2.50	1.25	1.00	N/A	38.35
CM-ML150125	1.25	2.50	1.25	1.50	1/8" NPT	51.80
CM-ML200125	1.25	2.50	1.25	2.00	1/8" NPT	59.95
CM-ML062150	1.50	2.50	1.50	0.62	N/A	31.59
CM-ML075150	1.50	2.50	1.50	0.75	N/A	36.72
CM-ML150150	1.50	2.50	1.50	1.50	1/8" NPT	58.01
CM-ML200150	1.50	2.50	1.50	2.00	1/8" NPT	60.39
CM-ML250150	1.50	2.50	1.50	2.50	1/8" NPT	69.12
CM-ML200200	2.00	3.00	2.00	2.00	1/8" NPT	88.48
CM-ML250200	2.00	3.00	2.00	2.50	1/8" NPT	106.20

MOBILE WELDED MOUNTS



Material: 1040 HF Bar



Formed Clevis

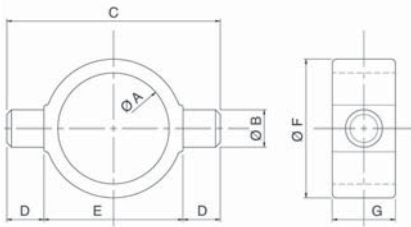
PART NUMBER	CB	CD	CE	CW	L	W	LIST PRICE
CM-CL3011	0.75	0.50	1.50	0.38	2.25	1.25	\$ 22.71
CM-CL7337	1.06	0.75	2.00	0.38	3.12	1.75	34.85
CM-CL6547	1.25	1.00	2.50	0.50	3.62	2.00	36.69
CM-CL8278	0.88	1.00	2.93	0.50	4.06	2.00	37.27
CM-CL323	1.25	1.00	5.06	0.38	6.06	1.75	33.74
CM-B120753	1.50	1.12	2.12	0.50	3.25	2.25	44.72
CM-B120625	1.62	1.25	2.75	0.75	4.00	2.50	77.69
CM-80003	0.50	N/A	N/A	0.38	2.38	1.00	33.12
CM-80010	1.12	N/A	N/A	0.38	3.50	2.00	33.74
CM-B120829	1.50	N/A	N/A	0.50	3.25	2.50	68.83
CM-80001	1.12	N/A	N/A	0.50	4.00	2.00	27.97
CM-B120672	1.50	N/A	N/A	0.50	4.00	3.00	42.62
CM-B120760	1.12	1.00	2.12	0.62	3.38	2.50	62.24
CM-B120756	1.12	N/A	N/A	0.62	4.25	3.00	59.76
CM-80015	1.25	N/A	N/A	0.62	4.62	2.50	29.44
CM-B120613	1.62	N/A	N/A	0.75	4.00	2.50	50.84
CM-B120614	2.12	N/A	N/A	1.00	5.00	3.00	58.71

NEW

WELDABLE TRUNNIONS



MATERIAL : STEEL- FE 501C / FE 510 - UNI 6659



HERCULES PART NUMBERS

HCC-WT 45 - 20 - 90

Weldable Trunnion OD Spigot Diameter Total Length

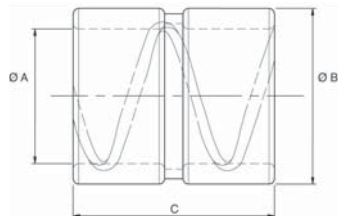
PART NUMBER	A	B	C	D	E	F	G	LIST PRICE
HCC-WT452090	45	20	90	15	60	60	24	\$ 53.67
HCC-WT5020110	50	20	110	20	70	65	30	76.30
HCC-WT502595	50	25	95	15	65	65	29	63.77
HCC-WT5525100	55	25	100	15	70	70	29	60.11
HCC-WT6025130	60	25	130	25	80	75	35	88.91
HCC-WT6030115	60	30	115	20	75	75	34	68.34
HCC-WT6530120	65	30	120	20	80	80	34	72.90
HCC-WT7030130	70	30	130	20	90	90	34	124.69
HCC-WT7030160	70	30	160	30	100	90	45	128.53
HCC-WT7335145	73	35	145	25	95	95	44	141.05
HCC-WT7535150	75	35	150	25	100	100	44	115.12
HCC-WT8035150	80	35	150	25	100	100	44	109.12
HCC-WT8035180	80	35	180	35	110	100	50	152.95
HCC-WT8040165	80	40	165	30	105	105	54	127.55
HCC-WT8540165	85	40	165	30	105	105	54	147.14
HCC-WT9045190	90	45	190	35	120	120	58	186.94
HCC-WT9545190	95	45	190	35	120	120	58	183.63
HCC-WT10045200	100	45	200	35	130	130	58	262.70
HCC-WT10545200	105	45	200	35	130	130	58	262.70
HCC-WT11550225	115	50	225	40	145	145	68	211.09
HCC-WT12050225	120	50	225	40	145	145	68	294.54
HCC-WT12550235	125	50	235	40	155	155	68	355.18
HCC-WT13050235	130	50	235	40	155	155	68	355.18

NEW

STEEL BUSHES



MATERIAL : E410 (EN 10305-1)
HARDNESS: HRC 58-62, 0.8-1 MM DEPTH

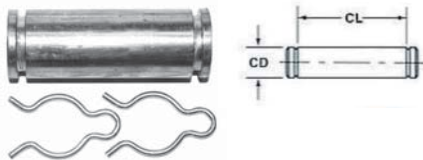


HERCULES PART NUMBERS

HCC-SPB 30 - 40 - 30
Steel Bush ID OD Length Required

PART NUMBER	Ø A	Ø B	C	LIST PRICE
HCC-SPB30-40-30	30	40	30	\$ 30.95
HCC-SPB30-40-35	30	40	35	30.50
HCC-SPB30-40-40	30	40	40	33.99
HCC-SPB30-40-50	30	40	50	35.15
HCC-SPB35-45-30	35	45	30	31.48
HCC-SPB35-45-35	35	45	35	41.68
HCC-SPB35-45-40	35	45	40	31.31
HCC-SPB35-45-60	35	45	60	39.09
HCC-SPB40-50-30	40	50	30	34.35
HCC-SPB40-50-35	40	50	35	33.63
HCC-SPB40-50-40	40	50	40	35.96
HCC-SPB40-50-50	40	50	50	39.71
HCC-SPB40-50-60	40	50	60	37.48
HCC-SPB45-55-30	45	55	30	31.40
HCC-SPB45-55-50	45	55	50	37.75
HCC-SPB50-60-40	50	60	40	45.17
HCC-SPB50-60-50	50	60	50	40.79
HCC-SPB50-60-80	50	60	80	56.62
HCC-SPB60-70-50	60	70	50	46.60
HCC-SPB60-70-60	60	70	60	56.80
HCC-SPB60-75-40	60	75	40	96.42
HCC-SPB60-75-50	60	75	50	63.86
HCC-SPB60-75-60	60	75	60	87.92
HCC-SPB60-75-70	60	75	70	93.02
HCC-SPB60-75-80	60	75	80	100.27
HCC-SPB65-80-70	65	80	70	97.41
HCC-SPB70-85-70	70	85	70	104.11
HCC-SPB70-85-80	70	85	80	105.99
HCC-SPB75-90-80	75	90	80	134.79
HCC-SPB75-90-100	75	90	100	148.93

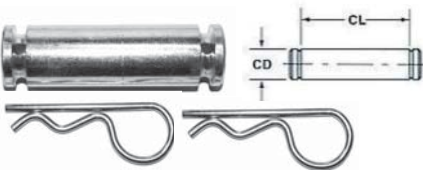
MOBILE WELDED PIVOT PINS AND CLIPS



Material: Steel, Plated Surface
Includes 2 External Hair Pin Clips

Mobile Pivot Pin and Hair Pin Clips

PART NUMBER	DESCRIPTION	CD	CL	LIST PRICE
HCW-1.0X2.83 PIN ASSY	HCW PIN-CLIP ASSEMBLY	1	2.33	\$ 9.22
HCW-1.0X3.23 PIN ASSY	HCW PIN-CLIP ASSEMBLY	1	2.33	9.22
HTR-1.0X3.50 PIN ASSY	HTR PIN-CLIP ASSEMBLY	1	2.86	9.50
HTR-1.0X4.41 PIN ASSY	HTR PIN-CLIP ASSEMBLY	1	3.77	9.84



Material: Pins: Steel, Plated Surface
Includes 2 R-Clips

Mobile Pivot Pin and R-Clips

PART NUMBER	DESCRIPTION	CD	CL	LIST PRICE
HSTR-1.0X2.83 PIN ASSY	HSTR PIN-CLIP ASSEMBLY	1	2.83	\$ 12.39
HSTR-1.0X3.25 PIN ASSY	HSTR PIN-CLIP ASSEMBLY	1	3.25	12.39
HSTR-1.25X3.31 PIN ASSY	HSTR PIN-CLIP ASSEMBLY	1.25	3.31	16.28



Does not include Hair Pin Clips

Mobile Pivot Pins

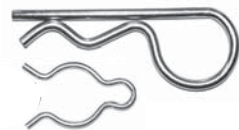
PART NUMBER	DESCRIPTION	CD	CL	LIST PRICE
HCW-1.0X2.83PIN	1.0 X 2.83	1	2.33	\$ 6.44
HCW-1.0X3.23PIN	1.0 X 3.23	1	2.73	6.44
HTR-1.0X3.50PIN	1.0 X 3.50	1	2.86	6.72
HTR-1.0X4.41PIN	1.0 X 4.41	1	3.77	7.06



Does not include R Clips

Mobile Pivot Pins

PART NUMBER	DESCRIPTION	CD	CL	LIST PRICE
HSTR-1.0X2.83 PIN	1.0 X 2.83	1	2.83	\$ 9.61
HSTR-1.0X3.25 PIN	1.0 X 3.25	1	3.25	9.61
HSTR-1.25X3.31 PIN	1.25 X 3.31	1	3.31	13.50
PMC-190400001	1.0 X 2.125 (PRINCE)	1	2.12	16.28
PMC-190400035	1.0 X 3.25 (PRINCE)	1	3.25	36.39



Mobile Clips

PART NUMBER	DESCRIPTION	LIST PRICE
HCW-CLIP	HCW-HTR HAIR PIN CLIP	\$ 1.39
HTR-CLIP	HCW-HTR HAIR PIN CLIP	1.39
HSTR-CLIP	HSTR R-CLIP	1.39
PMC-190600003	PMC R-CLIP (PRINCE)	1.39

MOBILE MOUNTS

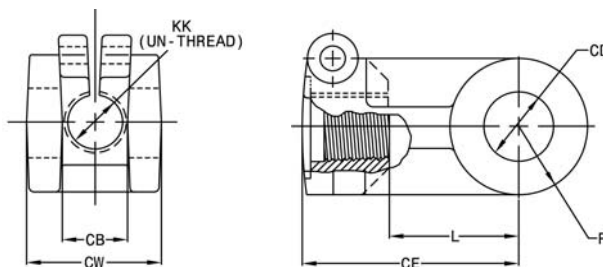


Material: Ductile Iron

Mobile Split Clevis

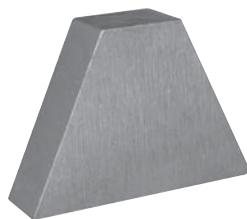
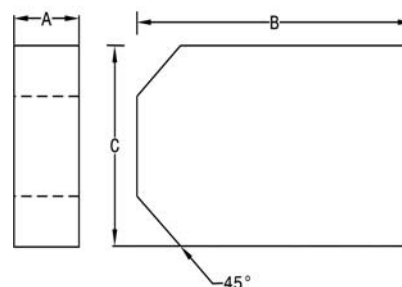
PART NUMBER	CB	CD	CE	CW	KK	L	R	LIST PRICE
CM-RC10033	1.12	1.00	3.25	2.62	1-1/16"-12	2.12	1.00	\$ 40.42
CM-RC10034	1.12	1.00	3.25	2.62	1-1/8"-12	2.12	1.00	39.65
CM-RC10035	1.12	1.00	3.25	2.62	1-1/4"-12	2.12	1.00	41.98
CM-RC11312	1.25	1.25	3.25	2.75	1-1/4"-12	2.12	1.25	67.24
CM-RC11412	1.25	1.25	4.00	2.75	1-1/4"-12	2.75	1.25	76.00

Can be used on HTR Cylinders (page 11) or equivalent size cylinders.



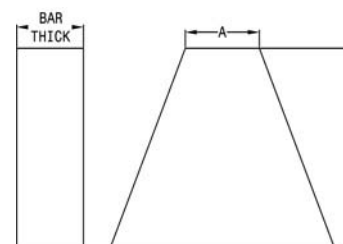
Mounting Ear

PART NUMBER	BAR SIZE	A	B	C	LIST PRICE
CM-ME-100	1/2 x 1-1/4	1/2	1-1/4	1	\$ 4.36
CM-ME-200	5/8 x 2	5/8	2	1-1/2	6.92
CM-ME-300	3/4 x 2-1/2	3/4	2-1/2	2	10.50
CM-ME-400	1 x 3-1/2	1	3-1/2	2-3/4	19.23
CM-ME-500	1-1/4 x 4	1-1/4	4	3-1/2	37.00
CM-ME-600	1-1/4 x 4	1-1/4	4-1/2	4	67.96



Mounting Ear

PART NUMBER	BAR SIZE	A	B	C	LIST PRICE
CM-MEA-100	1/2 x 1-1/4	9/16	1-3/4	1-1/4	\$ 4.62
CM-MEA-200	5/8 x 2	7/8	2-3/4	2	8.36
CM-MEA-300	3/4 x 2-1/2	1-3/8	3-3/4	2-1/2	20.57
CM-MEA-400	1 x 3-1/2	1-3/4	5	3-1/2	29.75
CM-MEA-500	1-1/4 x 4	1-1/4	4	3-1/2	28.43
CM-MEA-600	1-1/4 x 4	1-1/4	6-3/4	4-1/2	84.12

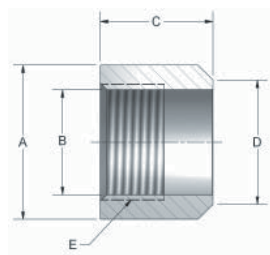


PORTS/LOCK NUTS



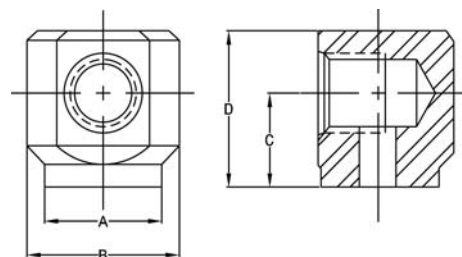
Ports

O-ring Boss Half Coupling Port



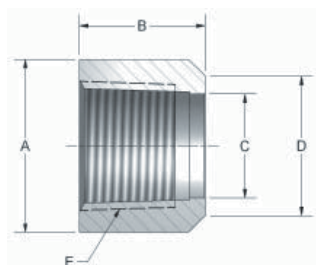
PART NUMBER	PORT SIZE	A	B	C	D	E	LIST PRICE
CM-PO65304	#4 SAE	0.88	0.389	1.00	0.570	7/16-20	\$ 9.29
CM-PO65305	#5 SAE	0.88	0.453	0.75	0.880	1/2-20	10.77
CM-PO65306	#6 SAE	1.00	0.508	1.00	0.690	9/16-18	9.64
CM-PO65308	#8 SAE	1.25	0.689	1.06	0.870	3/4-16	10.00
CM-PO65310	#10 SAE	1.38	0.806	1.06	0.990	7/8-14	9.87
CM-PO65312	#12 SAE	1.50	0.981	1.28	1.160	1 1/16-12	13.92
CM-PO65314	#14 SAE	1.63	1.106	1.25	1.290	1 3/16-12	16.32
CM-PO65316	#16 SAE	1.75	1.231	1.28	1.410	1 5/16-12	20.07
CM-PO65320	#20 SAE	2.25	1.544	1.28	1.720	1 5/8-12	26.39
CM-PO65324	#24 SAE	2.75	1.794	1.28	1.980	1 7/8-12	41.31

O-ring Boss 90 Degree Port



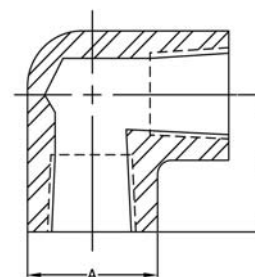
PART NUMBER	BAR SIZE	A	B	C	D	LIST PRICE
CM-PO65604	#4 SAE	0.75	1.12	0.75	1.12	\$ 21.30
CM-PO65606	#6 SAE	0.87	1.25	0.81	1.25	23.09
CM-PO65608	#8 SAE	1.25	1.62	1.00	1.62	25.27
CM-PO65610	#10 SAE	1.25	1.75	1.12	1.88	29.19
CM-PO65612	#12 SAE	1.50	2.12	1.19	2.00	42.17
CM-PO65616	#16 SAE	1.50	2.25	1.25	2.38	56.12

Pipe Thread Half Coupling



PART NUMBER	PORT SIZE	A	B	C	D	E	LIST PRICE
CM-PO65025	1/4" NPT	0.88	1.06	.391	.570	1/4-18	\$ 3.15
CM-PO65037	3/8" NPT	1.00	1.00	.520	.690	3/8-18	3.24
CM-PO65050	1/2" NPT	1.25	1.06	.650	.870	1/2-14	4.35
CM-PO65075	3/4" NPT	1.50	1.28	.850	1.160	3/4-14	4.81
CM-PO65100	1" NPT	1.75	1.28	1.050	1.410	1-11.5	9.64
CM-PO65125	1-1/4" NPT	2.25	1.28	1.420	1.720	1 1/4-11.5	17.22
CM-PO65150	1-1/2" NPT	2.75	1.28	1.560	1.980	1 1/2-11.5	20.67

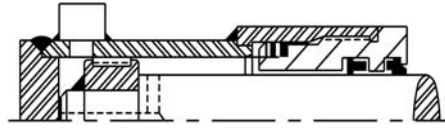
Pipe Thread 90 Degree Port



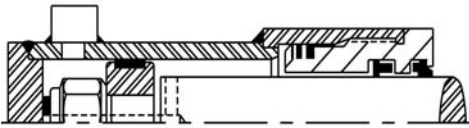
PART NUMBER	PORT SIZE	A	B	LIST PRICE
CM-PO65225	1/4" NPT	0.75	1.00	\$ 13.11
CM-PO65237	3/8" NPT	0.88	1.00	19.54
CM-PO65250	1/2" NPT	1.12	1.25	29.18
CM-PO65275	3/4" NPT	1.38	1.38	33.28
CM-PO652751	1" NPT	1.75	1.62	36.38

DISPLACEMENT CYLINDER COMPONENTS

Displacement Cylinder Components



WELDED STYLE PISTON

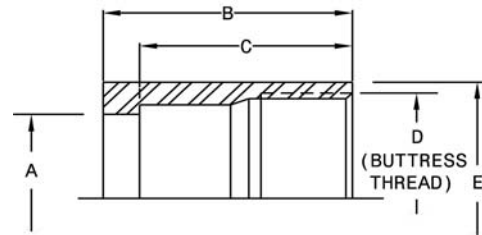


LOCK NUT STYLE PISTON

PISTON DIA.	ROD DIA.	HEAD NUMBER	COLLAR NUMBER	PISTON NUMBER
2.0	1.5	H107463	C132392	P110539
2.5	2.0	H107359	C132463	P110540
3.0	2.5	H107462	C132464	P110541
3.5	3.0	H107525	C132454	P110542
4.0	3.5	H107528	C132465	P110543

NOTE:
SEE IT MOBILE HEADS PAGE

Collar

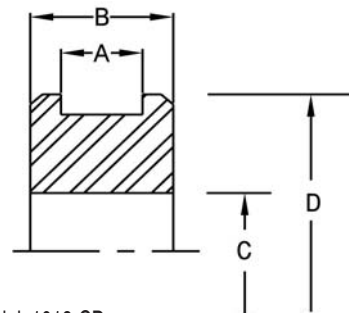


Material: 1026 DOM

PART NUMBER	A	B	C	D	E	LIST PRICE
CM-C132392	2.311	2.44	2.06	2-3/4"-12	3.00	\$ 266.32
CM-C132463	2.940	2.38	2.12	3-1/4"-12	3.50	225.30
CM-C132464	3.436	2.50	2.25	3-3/4"-12	4.00	167.48
CM-C132454	3.940	2.50	2.25	4-1/4"-12	4.50	*

* Reference Only

Piston



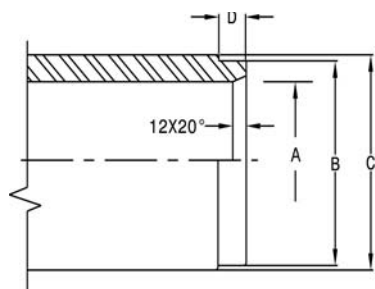
Material: 1018 CD

PART NUMBER	A	B	C	D	E	LIST PRICE
CM-P110539	0.50	0.75	0.876	1.95	SK-P110539	\$ 66.26
CM-P110540	0.50	0.75	1.126	2.45	SK-P110540	61.92
CM-P110541	0.75	1.12	1.501	2.95	SK-P110541	98.78
CM-P110542	0.75	1.12	1.751	3.45	SK-P110542	*
CM-P110543	0.75	1.12	2.501	3.95	SK-P110543	*

* Reference Only

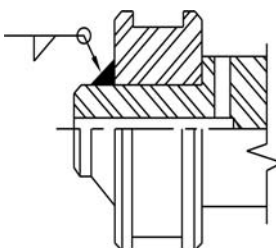
DISPLACEMENT CYLINDER TECHNICAL INFORMATION

Barrel Machining



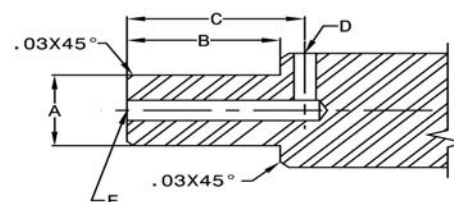
COLLAR NUMBER	A +.003" -.003	B +.001" -.001	C	D	LIST PRICE
CM-C132392	2.000	2.308	2.50	0.38	\$ 266.32
CM-C132463	2.500	2.937	3.00	0.25	225.30
CM-C132464	3.000	3.433	3.50	0.25	167.48
CM-C132454	3.500	3.937	4.00	0.25	CALL
CM-C132465	4.000	4.433	4.50	0.25	CALL

Piston Welding



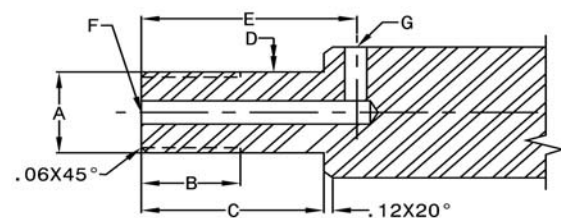
PISTON NUMBER	WELD SIZE	LIST PRICE
CM-P110539	1/4"	\$ 66.26
CM-P110540	1/4"	61.92
CM-P110541	5/16"	*
CM-P110542	3/8"	*
CM-P110543	3/8"	*

Stub (Welded Style)



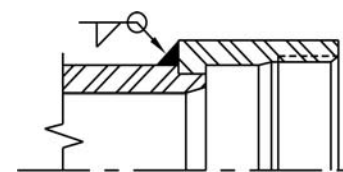
PISTON NUMBER	A +.001" -.001	B	C	D Dia. Drill x Depth	E Dia. Drill x Depth	LIST PRICE
CM-P110539	0.874	1.12	1.31	0.25 x 0.75	0.25 x 1.44	\$ 66.26
CM-P110540	1.124	1.12	1.38	0.31 x 1.00	0.31 x 1.50	61.92
CM-C110541	1.499	1.56	1.81	0.31 x 1.25	0.31 x 2.00	*
CM-C110542	1.749	1.62	1.88	0.38 x 1.50	0.38 x 2.00	*
CM-C110543	2.499	1.62	1.88	0.38 x 1.75	0.38 x 2.00	*

Stub (Lock Nut Style)



PISTON NUMBER	A UN-THD	B	C	D +.001 -.001	E	F Dia. Drill x Depth	G Dia. Drill x Depth	LOCK NUT NUMBER
CM-P110539	7/8"-14	1.25	1.88	0.874	2.12	0.25 x 2.25	0.25 x 0.75	LN45087
CM-P110540	1-1/8"-12	1.44	2.06	1.124	2.38	0.31 x 2.56	0.31 x 1.00	LN45112
CM-P110541	1-1/2"-12	1.88	2.88	1.499	3.19	0.31 x 3.38	0.31 x 1.25	LN45151
CM-P110542	1-3/4"-12	1.75	2.75	1.749	3.06	0.38 x 3.31	0.31 x 1.50	LN45175

Collar Welding



COLLAR NUMBER	WELD SIZE	LIST PRICE
CM-C132392	1/4"	\$ 266.32
CM-C132463	1/4"	225.30
CM-C132464	1/4"	167.48
CM-C132454	1/4"	*
CM-C132465	5/16"	*

* Reference Only



Industrial Repair Parts

Contents

	Page
Industrial Mounts	60 - 63
Industrial Pins and Lock Nuts	64

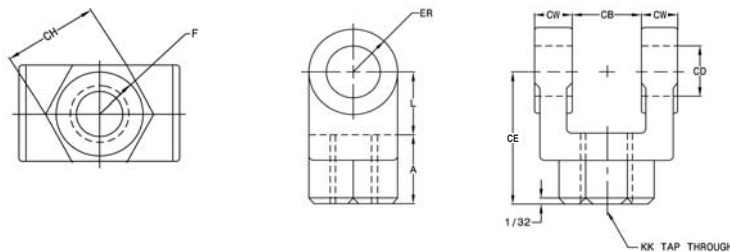
INDUSTRIAL MOUNTS



Rod Clevis

Material: 05, 07, 10
Forging 13 & Up Ductile
Iron Casting

PART NUMBER	CB	CD	CE	CH	CW	F	L	A	KK	ER	LIST PRICE
CM-RC0500	0.765	1/2	1-1/2	1	1/2	1	3/4	3/4	7/16"-20	1/2	\$ 18.35
CM-RC0750	1.265	3/4	2-3/8	1-1/4	5/8	1-1/4	1-1/4	1-1/8	3/4"-16	3/4	39.06
CM-RC1000	1.515	1	3-1/8	1-1/2	3/4	1-1/2	1-1/2	1-5/8	1"-14	1	63.48
CM-RC1375	2.032	1-3/8	4-1/8	2	1	2	2-1/8	2	1-1/4"-12	1-3/8	128.34
CM-RC1750	2.531	1-3/4	4-1/2	2-3/8	1-1/4	2-3/8	2-1/4	2-1/4	1-1/2"-12	1-3/4	157.38
CM-RC2000	2.531	2	5-1/2	2-15/16	1-1/4	2-15/16	2-1/2	3	1-7/8"-12	2	258.55
CM-RC2500	3.032	2-1/2	6-1/2	3-1/2	1-1/2	3-1/2	3	3-1/2	2-1/4"-12	2-1/2	348.53
CM-RC3000	3.032	3	6-3/4	3-7/8	1-1/2	3-7/8	3-1/4	3-1/2	2-1/2"-12	2-3/4	587.99
CM-RC3500	4.032	3-1/2	8-1/2	5	2	5	4	4-1/2	3-1/4"-12	3-1/2	788.49
CM-RC4000	4.532	4	10	6-1/8	2-1/4	6-1/8	4-1/2	5-1/2	4"-12	4	1,348.72

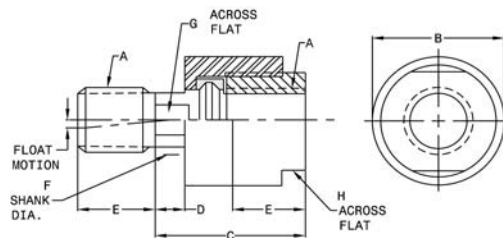


Alignment Coupler

1/16 Radial Float 2°
Spherical Motion

ALIGNMENT COUPLER	A	B	C	D	E	F	G	H	MAX PULL YIELD	LIST PRICE
CM-BD-437	7/16"-20	1-1/4	2	1/2	3/4	5/8	1/2	1	10,000	\$ 79.38
CM-BD-500	1/2"-20	1-1/4	2	1/2	3/4	5/8	1/2	1	14,000	79.38
CM-BD-625	5/8"-18	1-1/4	2	1/2	3/4	5/8	1/2	1	19,000	94.13
CM-BD-750	3/4"-16	1-3/4	2-5/16	1/2	1-1/8	31/32	13/16	1-1/2	34,000	71.60
CM-BD-875	7/8"-14	1-3/4	2-5/16	1/2	1-1/8	31/32	13/16	1-1/2	39,000	108.91
CM-BD-1000	1"-14	2-1/2	2-15/16	1/2	1-5/8	1-3/8	1-5/32	2-1/4	64,000	144.41
CM-BD-1250	1-1/4"-12	2-1/2	2-15/16	1/2	1-5/8	1-3/8	1-5/32	2-1/4	78,000	219.63
CM-BD-1500	1-1/2"-12	3-1/4	4-3/8	13/16	2-1/4	1-3/4	1-1/2	3	134,000	383.36
CM-BD-1750	1-3/4"-12	3-1/4	4-3/8	13/16	2-1/4	1-3/4	1-1/2	3	134,000	383.09
CM-BD-1875	1-7/8"-12	3-3/4	5-7/16	7/8	3	2	1-7/8	3-1/2	240,000	520.20

NOTE: Metric Thread Sizes Also Available



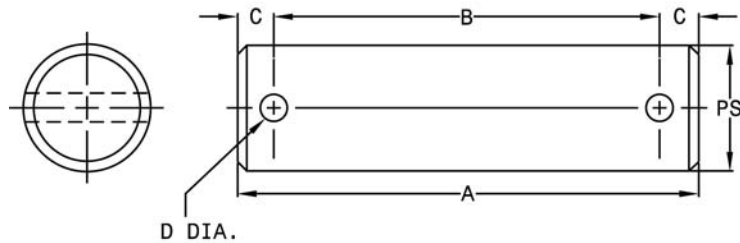
INDUSTRIAL MOUNTS

Pivot Pin



Material: 1144 Steel Nitrotec
Treated Surface

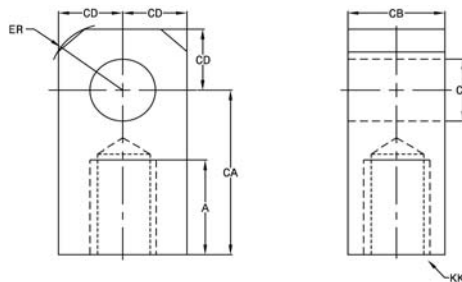
PART NUMBER	PIN SIZE	A	B	C	D	LIST PRICE
CM-PP0500	0.500	2.281	1.938	0.172	0.106	\$ 5.62
CM-PP0750	0.750	3.094	2.719	0.188	0.140	6.50
CM-PP1000	1.000	3.594	3.219	0.188	0.140	15.39
CM-PP1375	1.375	4.656	4.250	0.203	0.173	24.59
CM-PP1750	1.750	5.656	5.250	0.203	0.173	39.02
CM-PP2000	2.000	5.719	5.281	0.219	0.204	47.34
CM-PP2500	2.500	6.781	6.313	0.234	0.219	110.39



Material: 05 thru
13, C.F. Bar
Material: 17 thru
40, Steel Plate

Rod Eyes

PART NUMBER	A	CA	CB	CD	ER	KK	LIST PRICE
CM-RE0500	3/4	1-1/2	3/4	1/2	5/8	7/16"-20	\$ 16.37
CM-RE0750	1-1/8	2-1/16	1-1/4	3/4	7/8	3/4"-16	30.82
CM-RE1000	1-5/8	2-13/16	1-1/2	1	1-3/16	1"-14	50.46
CM-RE1375	2	3-7/16	2	1-3/8	1-9/16	1-1/4"-12	95.09
CM-RE1750	2-1/4	4	2-1/2	1-3/4	2	1-1/2"-12	123.00
CM-RE2000	3	5	2-1/2	2	2-1/2	1-7/8"-12	285.60
CM-RE2500	3-1/2	5-13/16	3	2-1/2	2-13/16	2-1/4"-12	417.42



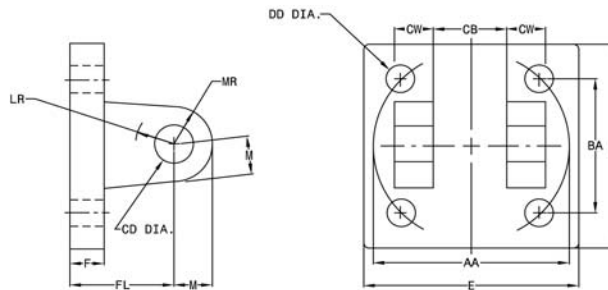
INDUSTRIAL MOUNTS



Clevis Bracket

PART NUMBER	AA	BA	CB	CD	CW	DD	E	F	FL	LR	M	MR	LIST PRICE
CM-BDCB-07	3.6	2-9/16	1.265	3/4	5/8	1/2"-20	3-1/2	5/8	1-7/8	1-1/16	3/4	1-1/16	\$110.01
CM-BDCB-10	4.6	3-1/4	1.515	1	3/4	5/8"-18	4-1/2	3/4	2-1/4	1-1/4	1	1-1/8	184.55
CM-BDCB-13	5.4	3-13/16	2.032	1-3/8	1	5/8"-18	5	7/8	3	7/8	1-3/8	1-3/4	311.64
CM-BDCB-20	8.2	5-3/4	2.531	2	1-1/4	1"-14	7-1/2	1	3-12	2-1/8	2	2-1/8	614.69

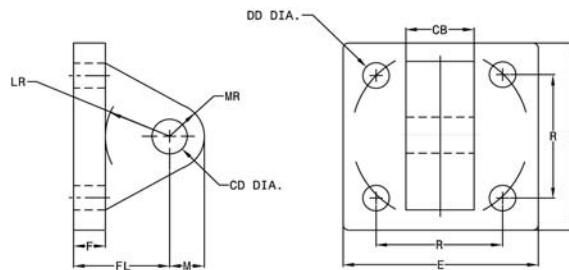
Material: Forging, Weldment, or Ductile Iron



Eye Bracket

PART NUMBER	CB	CD	DD	E	F	FL	LR	M	MR	R	LIST PRICE
CM-BDEB-05	3/4	1/2	13/32	2-1/2	3/8	1-1/8	3/4	1/2	9/16	1.63	\$27.91
CM-BDEB-07	1-1/4	3/4	17/32	3-1/2	5/8	1-7/8	1-1/4	3/4	7/8	2.56	51.59
CM-BDEB-10	1-1/2	1	21/32	4-1/2	3/4	2-1/4	1-1/2	1	1-1/4	3.25	84.22
CM-BDEB-13	2	1-3/8	21/32	5	7/8	3	2-1/8	1-3/8	1-5/8	3.81	144.75
CM-BDEB-17	2-1/2	1-3/4	29/32	6-1/2	7/8	3-1/8	2-1/4	1-3/4	2-1/8	4.95	285.43
CM-BDEB-20	2-1/2	2	1-1/16	7-1/2	1	3-1/2	2-1/2	2	2-7/16	5.75	499.05
CM-BDEB-25	3	2-1/2	1-3/16	8-1/2	1	4	3	2-1/2	3	6.59	644.00
CM-BDEB-30	3	3	1-5/16	9-1/2	1	4-1/4	3-1/4	3	3-1/4	7.50	782.44
CM-BDEB-35	4	3-1/2	1-13/16	12-5/8	1-11/16	5-11/16	4	3-1/2	4-1/8	9.62	2,497.54
CM-BDEB-40	4-1/2	4	2-1/16	14-7/8	1-15/16	6-7/16	4-1/2	4	5-1/4	11.50	3,412.61

Material: Forging, Weldment, or Ductile Iron



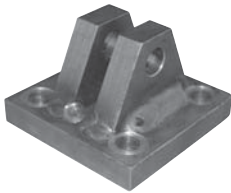
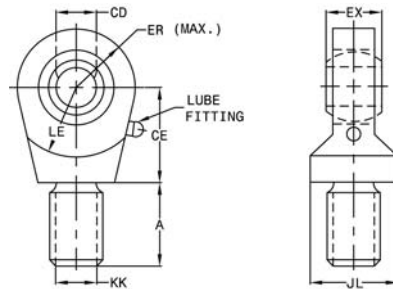
INDUSTRIAL MOUNTS



Material: Forging,
Weldment, or Ductile Iron

Spherical Rod Eye

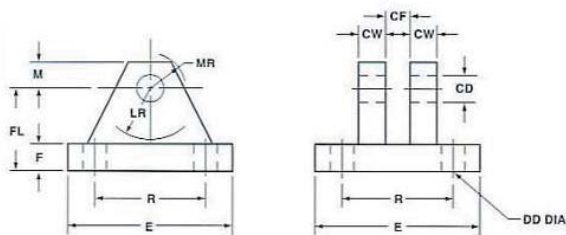
PART NUMBER	CD	A	CE	EX	ER	LE	KK	JL REF	LOAD CAP	SPACER WIDTH	LIST PRICE
CM-RES-05	0.500	11/16	7/8	7/16	7/8	3/4	7/16"-20	7/8	2,600	0.150	\$ 100.88
CM-RES-07	0.750	1	1-1/4	21/32	1-1/4	1-1/16	3/4"-16	1-5/16	9,400	0.250	126.29
CM-RES-10	1.000	1-1/2	1-7/8	7/8	1-3/8	1-7/16	1"-14	1-1/2	16,800	0.250	135.38
CM-RES-13	1.375	2	2-1/8	1-3/16	1-13/16	1-7/8	1-1/4"-12	2	28,600	0.375	191.72
CM-RES-17	1.750	2-1/8	2-1/2	1-17/32	2-3/16	2-1/8	1-1/2"-12	2-1/4	43,000	0.416	443.84
CM-RES-20	2.000	2-7/8	2-3/4	1-3/4	2-5/8	2-1/2	1-7/8"-12	2-3/4	70,000	0.375	592.75



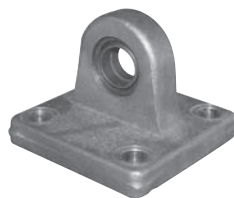
Material: Steel Weldment

Spherical Clevis Brackets

PART NUMBER	E	F	M	R	CD	CF	CW	DD	FL	LR	MR	LIST PRICE
CM-CBS-0500	3.00	.50	.50	2.05	.500	.44	.50	.41	1.50	.94	.62	\$ 104.14
CM-CBS-0750	3.75	.62	.88	2.76	.750	.66	.62	.53	2.00	1.38	1.00	166.63
CM-CBS-1000	5.50	.75	1.00	4.10	1.000	.88	.75	.53	2.50	1.69	1.19	208.26
CM-CBS-1375	6.50	.88	1.38	4.95	1.375	1.19	1.00	.66	3.50	2.44	1.62	312.40
CM-CBS-1750	8.50	1.25	1.75	6.58	1.750	1.53	1.25	.91	4.50	2.88	2.06	588.44
CM-CBS-2000	10.62	1.50	2.00	7.92	2.000	1.75	1.50	.91	5.00	3.31	2.38	924.66



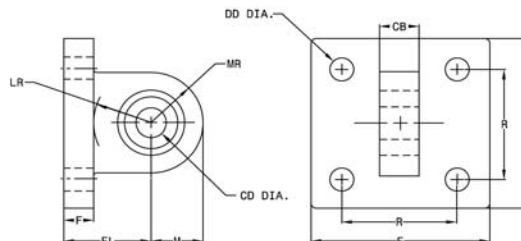
INDUSTRIAL MOUNTS, COUPLINGS AND NUTS



Spherical Eye Bracket

PART NUMBER	CB	CD	DD	E	F	FL	LR	M	MR	R	LIST PRICE
CM-BDS-07	3/4	3/4	17/32	3-1/2	5/8	1-7/8	1-1/4	1-3/16	1-3/16	2.56	\$ 395.66
CM-BDS-10	1	1	21/32	4-1/2	3/4	2-1/4	1-1/2	1-3/8	1-3/8	3.25	316.68
CM-BDS-13	1-3/8	1-3/8	21/32	5	7/8	3	2-1/8	2	2	3.81	514.11

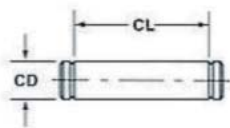
Material: Forging,
Weldment, or Ductile Iron



Pivot Pins for Spherical Clevis Brackets

PART NUMBER	CD	CL	LIST PRICE
CM-PPS0500	.4997-.0004	1 9/16	\$ 8.83
CM-PPS0750	.7497-.0005	2 1/32	13.67
CM-PPS1000	.9997-.0005	2 1/2	18.97
CM-PPS1375	1.3746-.0006	3 5/16	32.58
CM-PPS1750	1.7496-.0006	4 7/32	64.22
CM-PPS2000	1.9996-.0007	4 15/16	123.98

Material: CD1144
- Close tolerance on pin diameter



Nylon Insert Lock Nut

PART NUMBER	BAR SIZE	A	B	C	LIST PRICE
CM-LN45050	1/2"-20	0.60	0.75	0.84	\$ 4.20
CM-LN45062	5/8"-18	0.75	0.94	1.06	5.01
CM-LN45075	3/4"-16	0.88	1.06	1.19	18.30
CM-LN45087	7/8"-14	1.00	1.25	1.40	10.08
CM-LN45100	1"-14	1.06	1.44	1.62	13.65
CM-LN45101	1"-14	0.88	1.62	1.83	16.26
CM-LN45112	1-1/8"-12	1.19	1.62	1.83	18.73
CM-LN45126	1-1/4"-12	1.38	1.81	2.06	21.79
CM-LN45151	1-1/2"-12	1.62	2.19	2.44	28.62
CM-LN45152	1-1/2"-12	0.81	2.19	2.44	22.47
CM-LN45175	1-3/4"-12	1.50	2.75	3.06	55.07
CM-LN45200	2"-12	1.62	3.12	3.50	58.79
CM-LN45225	2-1/4"-12	1.94	3.50	3.94	125.19
CM-LN45226	2-1/4"-12	2.81	3.50	3.94	171.41
CM-LN45250	2-1/2"-12	2.25	4.00	4.60	271.44

