

Dear Customer,

At Rod End Supply we have the unique opportunity to be involved with a variety of performance auto racing as well as industrial applications with our products. Whether you're racing at the track, climbing the rocks, mowing your lawn, or farming with your tractor, Rod End Supply has the assortment of rod ends, radius rods and specialty products that will help you lead the field. Since 1989 Rod End Supply has provided superior products priced competitively, with prompt, courteous service. Our promise is to continue to provide superior service and superior products so you can stay at the front of the field.

Remember...We don't just sell em, We race em!

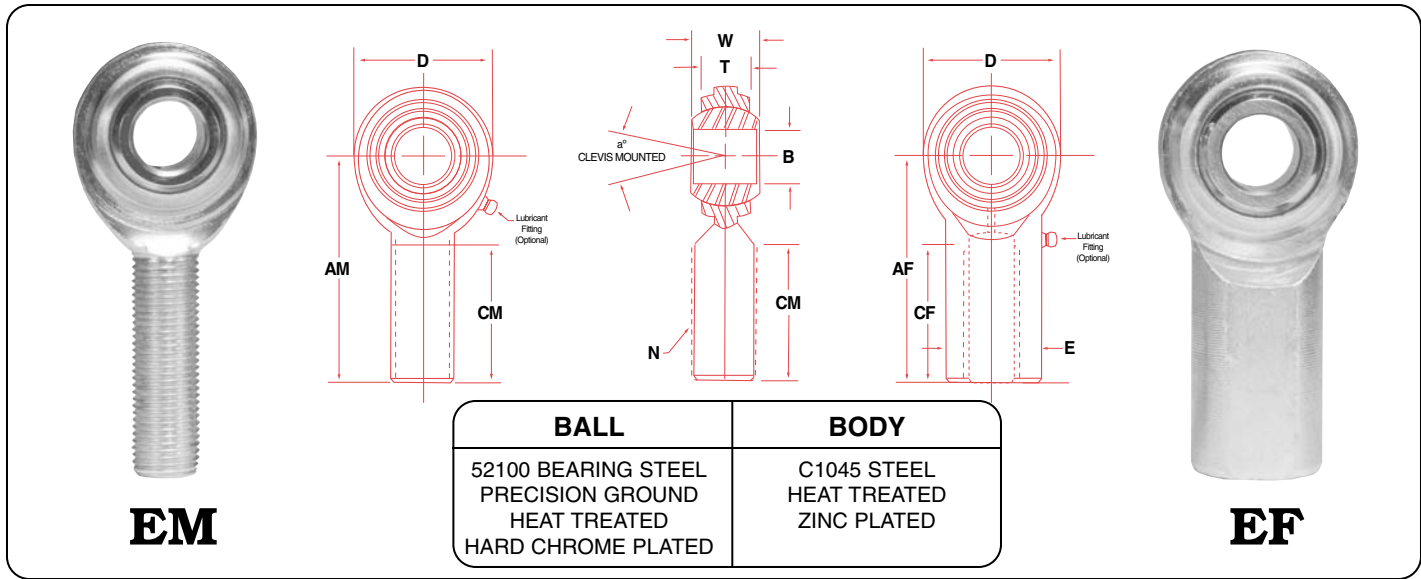
We'll see you at the track.

Bob Douglas
President



EM, EF

ECONOMY SERIES & STEERING ROD END



RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
REF.	REF.	+.0025 -.0005	±.010	±.005	REF.	REF.	±.015	±.015	UNF 3A	+.062 -.031	+.062 -.031	±.010	±.010	REF.	(LBS.)	(LBS.)
EM 3	3/16 x 10-32	.1900	.625	.312	.234	.437	1.250	1.062	10-32	.750	.500	.406	.312	20	2,074	.03
EF 3															2,079	.04
EM 3-4	3/16 x 1/4-28	.1900	.750	.312	.234	.437	1.562	1.312	1/4-28	1.000	.687	.469	.375	20	4,824	.04
EF 3-4															4,4824	.05
EM 4	1/4 x 1/4-28	.2500	.750	.375	.250	.500	1.562	1.312	1/4-28	1.000	.687	.469	.375	27	3,820	.04
EF 4															3,820	.05
EM 4-5	1/4 x 5/16-24	.2500	.875	.375	.250	.500	1.875	-	5/16-24	1.250	-	-	-	27	6,534	.06
EM 5																
EF 5	5/16 x 5/16-24	.3125	.875	.437	.312	.625	1.875	1.375	5/16-24	1.250	.687	.500	.437	22	5,110	.07
EM 5-6																
EF 5	5/16 x 3/8-24	.3125	1.000	.437	.312	.625	1.938	-	3/8-24	1.250	-	-	-	22	7,920	.10
EM 6																
EF 6	3/8 x 3/8-24	.3750	1.000	.500	.359	.719	1.938	1.625	3/8-24	1.250	.812	.687	.562	22	7,605	.11
EM 6-7																
EF 6	3/8 x 7/16-20	.3750	1.125	.500	.359	.719	2.125	-	7/16-20	1.375	-	-	-	22	9,486	.14
EM 6-7																
EF 6	3/8 x 1/2-20	.3750	1.125	.500	.359	.719	2.125	-	1/2-20	1.375	-	-	-	22	9,486	.17
EM 6-8																
EM 7	7/16 x 7/16-20	.4375	1.125	.562	.406	.812	2.125	1.812	7/16-20	1.375	.937	.750	.625	21	9,122	.15
EF 7																
EM 7-8	7/16 x 1/2-20	.4375	1.312	.562	.406	.812	2.438	-	1/2-20	1.500	-	-	-	21	12,816	.22
EF 7																
EM 8	1/2 x 1/2-20	.5000	1.312	.625	.453	.937	2.438	2.125	1/2-20	1.500	1.062	.875	.750	20	12,224	.24
EF 8																
EM 8-10	1/2 x 5/8-18	.5000	1.500	.625	.453	.937	2.625	-	5/8-18	1.625	-	-	-	20	15,804	.34
EF 8																
EM 8-12	1/2 x 3/4-16	.5000	1.500	.750	.484	1.125	2.625	-	3/4-16	1.625	-	-	-	26	15,804	.42
EF 8																
EM 10	5/8 x 5/8-18	.6250	1.500	.750	.484	1.125	2.625	2.500	5/8-18	1.625	1.375	1.000	.875	26	13,540	.36
EF 10																
EM 10-12	5/8 x 3/4-16	.6250	1.750	.750	.484	1.125	2.785	-	3/4-16	1.750	-	-	-	26	19,350	.51
EF 10																
EM 12	3/4 x 3/4-16	.7500	1.750	.875	.593	1.312	2.875	2.875	3/4-16	1.750	1.562	1.125	1.000	.24	18,810	.57
EF 12																

NOTES:

1. FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** EML12
2. FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** EF8Z

3. FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** EM6Y
4. FOR TEFLON LINER ADD "T" TO SUFFIX. **EXAMPLE:** EM12T

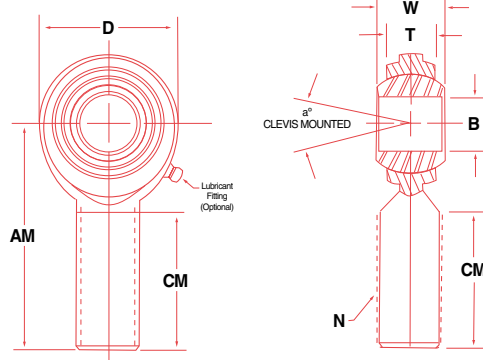
BBEM

HIGH STRENGTH ALLOY STEEL

2 PIECE



BBEM



BALL	BODY
52100 BEARING STEEL PRECISION GROUND HEAT TREATED HARD CHROME PLATED	4130 CHROMOLY STEEL HEAT TREATED BLACK OXIDE COATED

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	N THD.	CM LGTH	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
REF.	REF.	+.0025 -.0005	±.010	±.005	REF.	REF.	±.015	UNF 3A - 2B	+.062 -.031	REF.	(LBS.)	(LBS.)
BBEM 8	1/2 x 1/2-20	.5000	1.312	.625	.453	.937	2.438	1/2-20	1.500	20	17,000	.24
BBEM 10	5/8 x 5/8-18	.6250	1.500	.750	.484	1.125	2.625	5/8-18	1.625	26	18,000	.36
BBEM 12	3/4 x 3/4-16	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	25,000	.57
BBEM 8-10	1/2 X 5/8-18	.5000	1.500	.625	.453	.937	2.625	5/8-18	1.625	20	19,300	.30
BBEM 10-12	5/8 X 3/4-16	.6250	1.750	.750	.484	1.125	2.875	3/4-16	1.750	26	27,000	.48

ROD-END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT ROD END SUPPLY SALES DEPT.
TEFLON LINERS AVAILABLE

NOTES:

1. FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** BBEML12
2. FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** BBEM12Z
3. FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** BBEM12Y

Continued from page 2...

DESCRIPTION	PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	AM LGTH.	CM LGTH.	N THD.	ULT. RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
Steering Rod End	EM10Z-102	5/8 x 5/8	.7500	1.750	.875	.593	2.875	1.750	3/4-16	18,810	.52
Steering Shaft Oversized Bore	EMR12-.757	.757 X 3/4	.7570	1.750	.875	.593	2.875	1.750	3/4-16 R.H.	18,810	.57

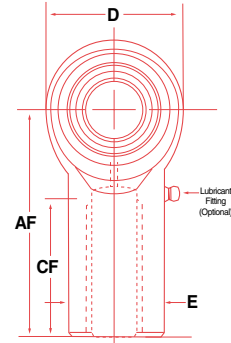
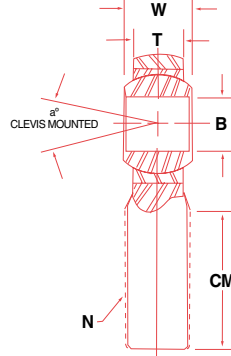
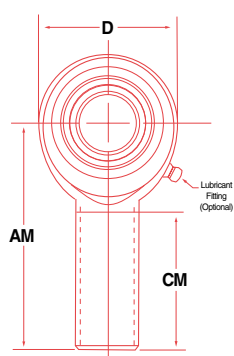
PM, PF

PRECISION - WEAR RESISTANT

MALE ROD-END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT ROD END SUPPLY SALES DEPT.
TEFLON LINERS AVAILABLE • STUDS AVAILABLE



PM



PF

BALL	RACE	BODY
52100 BEARING STEEL PRECISION GROUND HEAT TREATED HARD CHROME PLATED	STAINLESS STEEL	LOW CARBON STEEL ZINC PLATED CHROMATE PLATED

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
REF.	REF.	+0.015 -0.005	±.010	+0.000 -0.005	±.005	REF.	±.015	±.015	UNF 3A - 2B	+0.062 -0.031	+0.062 -0.031	±.010	±.010	REF.	(LBS.)	(LBS.)
PM 3	3/16 x 10-32	.1900	.625	.312	.250	.437	1.250	1.062	10-32	.750	.562	.406	.312	13	1,169	.03
PF 3															1,531	.04
PM 3-4	3/16 x 1/4-28	.1900	.750	.312	.250	.437	1.562	-	1/4-28	1.000	-	-	-	10	2,158	.04
PM 4															2,158	.04
PF 4	1/4 x 1/4-28	.2500	.750	.375	.281	.500	1.562	1.312	1/4-28	1.000	.750	.469	.375	16	2,539	.06
PM 4-5															3,467	.07
PM 5	5/16 x 5/16-24	.3125	.875	.437	.344	.625	1.875	1.375	5/16-24	1.250	.750	.500	.437	14	2,784	.07
PF 5															3,133	.09
PM 5-6	5/16 x 3/8-24	.3125	1.000	.437	.344	.625	1.938	-	3/8-24	1.250	-	-	-	12	5,323	.11
PM 6															3,915	.11
PF 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.719	1.938	1.625	3/8-24	1.250	.937	.687	.562	12	7,180	.15
PM 6-7															7,180	.16
PM 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.812	2.125	1.812	7/16-20	1.375	1.062	.750	.625	14	4,218	.20
PF 7															9,620	.25
PM 7-8	7/16 x 1/2-20	.4375	1.312	.562	.437	.812	2.438	-	1/2-20	1.500	-	-	-	12	6,660	.24
PM 8															12,807	.37
PF 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.937	2.438	2.125	1/2-20	1.500	1.187	.875	.750	12	7,364	.48
PM 8-10															16,565	.57
PM 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.125	2.625	2.500	5/8-18	1.625	1.500	1.000	.875	16	11,518	.72
PF 10															22,843	.92
PM 10-12	5/8 x 3/4-16	.6250	1.750	.750	.562	1.125	2.875	-	3/4-16	1.750	-	-	-	13	18,476	.92
PM 12															22,843	1.03
PF 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.312	2.875	2.875	3/4-16	1.750	1.750	1.125	1.000	14	43,541	2.13
PM12H															40,888	2.41
PM12-14	3/4 x 7/8-14	.7500	2.000	.875	.687	1.312	3.375	-	7/8-14	1.875	-	-	-	12	43,541	2.13
PM14															43,541	2.41
PF14	7/8 x 7/8-14	.8750	2.000	.875	.765	1.375	3.375	3.375	7/8-14	2.000	1.875	1.300	1.125	7	43,541	2.13
PM14-1															43,541	2.41
PF14-1	7/8 x 7/8-14	.8750	2.000	.875	.687	1.312	3.375	3.500	7/8-14	1.875	1.812	1.312	1.187	12	43,541	2.13
PM16															43,541	2.41
PF16	1 x 1 1/4-12	1.000	2.750	1.375	1.000	1.875	4.125	4.125	1 1/4-12	2.125	2.125	1.625	1.500	17	43,541	2.13
PM16-1															43,541	2.41
PF16-1	1 x 1-14	1.000	2.750	1.375	1.000	1.875	4.125	4.125	1-14	2.125	2.125	1.625	1.500	17	43,541	2.13
PM16-2															43,541	2.41
PF16-2	1 x 1-12	1.000	2.750	1.375	1.000	1.875	4.125	4.125	1-12	2.125	2.125	1.625	1.500	17	43,541	2.41

NOTES:

1. FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** PML4
2. FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** PM6Z

3. FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** PM6Y
4. FOR TEFLON LINER ADD "T" TO SUFFIX. **EXAMPLE:** PM12T

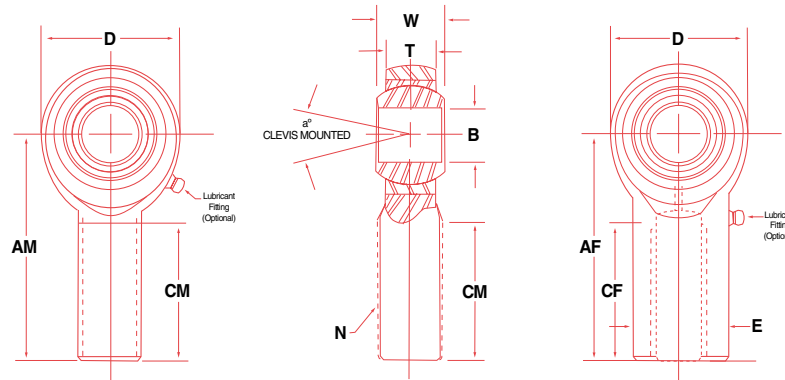
PMX, PFX

PRECISION - WEAR RESISTANT

MALE ROD-END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT ROD END SUPPLY SALES DEPT.
TEFLON LINERS AVAILABLE • STUDS AVAILABLE



PMX



BALL	RACE	BODY
52100 BEARING STEEL PRECISION GROUND HEAT TREATED HARD CHROME PLATED	STAINLESS STEEL HEAT TREATED	ALLOY STEEL HEAT TREATED CHROMATE PLATED



PFX

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.	ULT. STATIC LOAD (LBS.)	APPROX. WEIGHT (LBS.)
	REF.	+0.015 -0.005	±.010	+0.000 -0.005	±.005	REF.	±.015	±.015	UNF 3A - 2B	+0.062 -0.031	+0.062 -0.031	±.010	±.010	REF.	(LBS.)	(LBS.)
PMX 3	3/16 x 10-32	.1900	.625	.312	.250	.437	1.250	1.062	10-32	.750	.562	.406	.312	13	2,851	.03
PFX 3															3,733	.04
PMX 3-4	3/16 x 1/4-28	.1900	.750	.312	.250	.437	1.562	-	1/4-28	1.000	-	-	-	10	5,260	.04
PMX 4															5,260	.04
PFX 4	1/4 x 1/4-28	.2500	.750	.375	.281	.500	1.562	1.312	1/4-28	1.000	.750	.469	.375	16	6,190	.06
PMX 4-5															8,452	.07
PMX 5	5/16 x 5/16-24	.3125	.875	.437	.344	.625	1.875	1.375	5/16-24	1.250	.750	.500	.437	14	7,639	.07
PFX 5															7,639	.09
PMX 5-6	5/16 x 3/8-24	.3125	1.000	.437	.344	.625	1.938	-	3/8-24	1.250	-	-	-	12	12,978	.11
PMX 6															9,544	.11
PFX 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.719	1.938	1.625	3/8-24	1.250	.937	.687	.562	12	9,544	.15
PMX 6-7															17,508	.16
PMX 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.812	2.125	1.812	7/16-20	1.375	1.062	.750	.625	14	10,285	.16
PFX 7															10,285	.20
PMX 7-8	7/16 x 1/2-20	.4375	1.312	.562	.437	.812	2.438	-	1/2-20	1.500	-	-	-	12	23,452	.25
PMX 8															16,238	.24
PFX 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.937	2.438	2.125	1/2-20	1.500	1.187	.875	.750	12	16,238	.33
PMX 8-10															31,390	.37
PMX 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.125	2.625	2.500	5/8-18	1.625	1.500	1.000	.875	16	17,995	.37
PFX 10															17,995	.48
PMX10-12	5/8 x 3/4-16	.6250	1.750	.750	.562	1.125	2.875	-	3/4-16	1.750	-	-	-	13	40,572	.57
PMX 12															28,081	.60
PFX 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.312	2.875	2.875	3/4-16	1.750	1.750	1.125	1.000	14	28,081	.72
PMX12H															22,843	.92
PMX12-14	3/4 x 7/8-14	.7500	2.000	.875	.687	1.312	3.375	-	7/8-14	1.875	-	-	-	12	55,692	.92
PMX14															45,051	.92
PFX 14	7/8 x 7/8-14	.8750	2.000	.875	.765	1.375	3.375	3.375	7/8-14	2.000	1.875	1.300	1.125	7	45,051	1.03
PMX 14-1															55,692	.92
PFX 14-1	7/8 x 7/8-14	.8750	2.000	.875	.687	1.312	3.375	3.500	7/8-14	1.875	1.812	1.312	1.187	12	55,692	1.03
PMX16															76,200	2.41
PFX16	1 x 1 1/4-12	1.000	2.750	1.375	1.000	1.875	4.125	4.125	1 1/4-12	2.125	2.125	1.625	1.500	17	76,200	2.41
PMX16-1															76,200	2.13
PFX16-1	1 x 1-14	1.000	2.750	1.375	1.000	1.875	4.125	4.125	1-14	2.125	2.125	1.625	1.500	17	76,200	2.41
PMX16-2															76,200	2.13
PFX16-2	1 x 1-12	1.000	2.750	1.375	1.000	1.875	4.125	4.125	1-12	2.125	2.125	1.625	1.500	17	76,200	2.41

NOTES:

- FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** PMXL4
- FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** PMX6Z
- FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** PMX6Y
- FOR TEFLON LINER ADD "T" TO SUFFIX. **EXAMPLE:** PMX12T


LXM, LXF

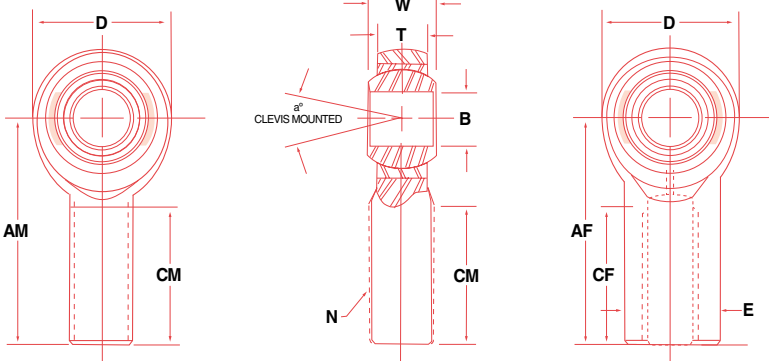
C1045 MILD STEEL


SELF-LUBRICATING & SELF SEALING

TEFLON®/KEVLAR® RACE









BALL	RACE	BODY
52100 BEARING STEEL PRECISION GROUND HEAT TREATED HARD CHROME PLATED	INJECTION MOLDED TEFLON®/ KEVLAR®	C1045 STEEL ZINC & YELLOW DICROMATE PLATED

LXM
LXF

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
REF.		+0.015 -0.005	±.010	+0.000 -0.005	±.005	REF.	±.015	±.015	UNF 3A - 2B	+0.062 -0.031	+0.062 -0.031	±.010	±.010	REF.		
LXM 3 LXF 3	3/16 x 10-32	.1900	.625	.312	.250	.437	1.250	1.062	10-32	.750	.562	.406	.312	13	1,169 1,531	.03 .04
LXM 4 LXF 4	1/4 x 1/4-28	.2500	.750	.375	.281	.500	1.562	1.312	1/4-28	1.000	.750	.469	.375	16	2,158 2,539	.04 .06
LXM 5 LXF 5	5/16 x 5/16-24	.3125	.875	.437	.344	.625	1.875	1.375	5/16-24	1.250	.750	.500	.437	14	2,784 3,133	.07 .09
LXM 6 LXF 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.719	1.938	1.625	3/8-24	1.250	.937	.687	.562	12	3,915	.11 .15
LXM 7 LXF 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.812	2.125	1.812	7/16-20	1.375	1.062	.750	.625	14	4,218	.16 .20
LXM 8 LXF 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.937	2.438	2.125	1/2-20	1.500	1.187	.875	.750	12	6,660	.25 .33
LXM 10 LXF 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.125	2.625	2.500	5/8-18	1.625	1.500	1.000	.875	16	7,364	.38 .48
LXM 12 LXF 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.312	2.875	2.875	3/4-16	1.750	1.750	1.125	1.000	14	11,518	.60 .72

HEAVY DUTY SHANK

NO FEMALE AVAILABLE IN HEAVY DUTY SHANK

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	N THD.	CM LGTH	a° MIS. ANG.	ULT. STATIC RADIAL LOAD	APPROX. WEIGHT
LXM 5-6	5/16 x 3/8-24	.3125	1.000	.437	.344	.625	1.938	3/8-24	1.250	12	5,323	.11
LXM 6-7	3/8 x 7/16-20	.3750	1.125	.500	.406	.719	2.125	7/16-20	.750	10	7,180	.16
LXM 7-8	7/16 x 1/2-20	.4375	1.312	.562	.437	.812	2.438	1/2-20	1.000	12	9,620	.25
LXM 8-10	1/2 x 5/8-18	.5000	1.500	.625	.500	.937	2.625	5/8-18	1.250	10	12,807	.38
LXM 10-12	5/8 x 3/4-16	.6250	1.750	.750	.562	1.125	2.875	3/4-16	1.250	13	16,565	.60

NOTES:

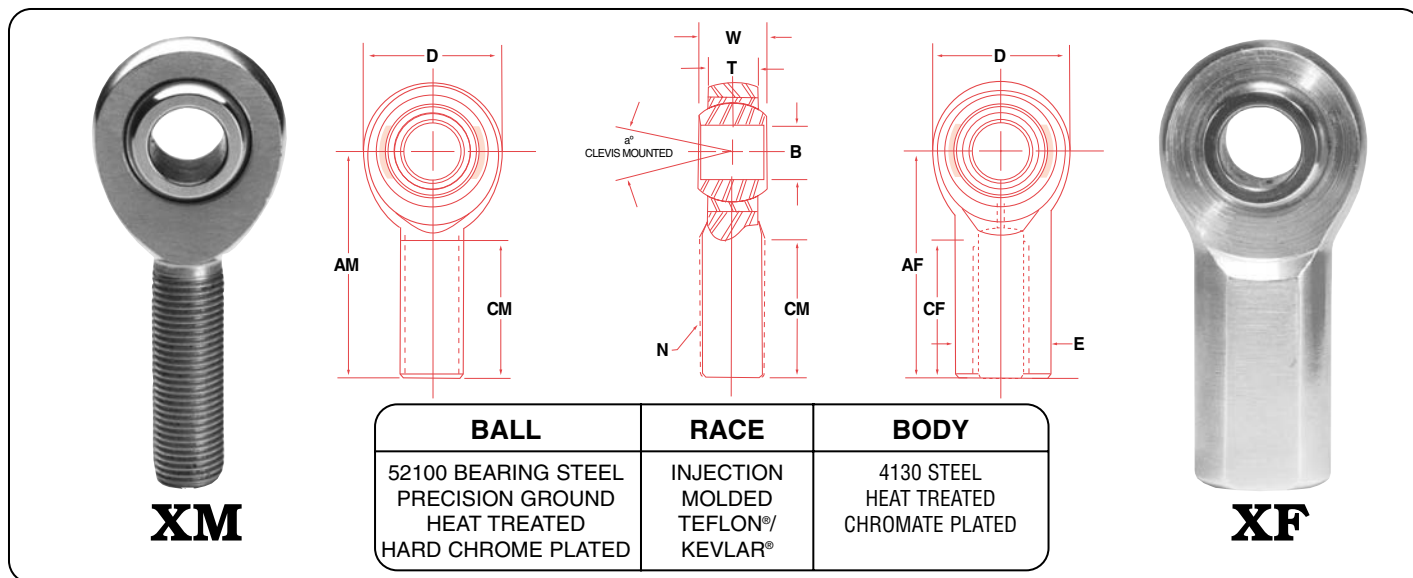
- FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** LXML12
- FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** LXM12Y

XM, XF

CHROMOLY STEEL

SELF-LUBRICATING & SELF SEALING

TEFLON®/KEVLAR® RACE



RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
REF.	REF.	+0.015 -0.005	±.010	+0.000 -0.005	±.005	REF.	±.015	±.015	UNF 3A - 2B	+0.062 -0.031	+0.062 -0.031	±.010	±.010	REF.	(LBS.)	(LBS.)
XM 3 XF 3	3/16 x 10-32	.1900	.625	.312	.250	.437	1.250	1.062	10-32	.750	.562	.406	.312	13	2,851 3,733	.03 .04
XM 4 XF 4	1/4 x 1/4-28	.2500	.750	.375	.281	.500	1.562	1.312	1/4-28	1.000	.750	.469	.375	16	5,260 6,190	.04 .06
XM 5 XF 5	5/16 x 5/16-24	.3125	.875	.437	.344	.625	1.875	1.375	5/16-24	1.250	.750	.500	.437	14	7,639	.07 .09
XM 6 XF 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.719	1.938	1.625	3/8-24	1.250	.937	.687	.562	12	9,544	.11 .15
XM 7 XF 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.812	2.125	1.812	7/16-20	1.375	1.062	.750	.625	14	10,285	.16 .20
XM 8 XF 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.937	2.438	2.125	1/2-20	1.500	1.187	.875	.750	12	16,238 15,336	.25 .33
XM 10 XF 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.125	2.625	2.500	5/8-18	1.625	1.500	1.000	.875	16	17,955	.38 .48
XM 12 XF 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.312	2.875	2.875	3/4-16	1.750	1.750	1.125	1.000	14	28,081	.60 .72

HEAVY DUTY SHANK

NO FEMALE AVAILABLE IN HEAVY DUTY SHANK

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	N THD.	CM LGTH	α° MIS. ANG.	ULT. STATIC RADIAL LOAD	APPROX. WEIGHT
XM 5-6	5/16 x 3/8-24	.3125	1.000	.437	.344	.625	1.938	3/8-24	1.250	12	12,978	.11
XM 6-7	3/8 x 7/16-20	.3750	1.125	.500	.406	.719	2.125	7/16-20	1.375	10	17,508	.16
XM 7-8	7/16 x 1/2-20	.4375	1.312	.562	.437	.812	2.438	1/2-20	1.500	12	23,452	.25
XM 8-10	1/2 x 5/8-18	.5000	1.500	.625	.500	.937	2.625	5/8-18	1.625	10	31,390	.38
XM 8-12	1/2 x 3/4-16	.5000	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	40,572	.60
XM 10-12	5/8 x 3/4-16	.6250	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	40,572	.60

NOTES:

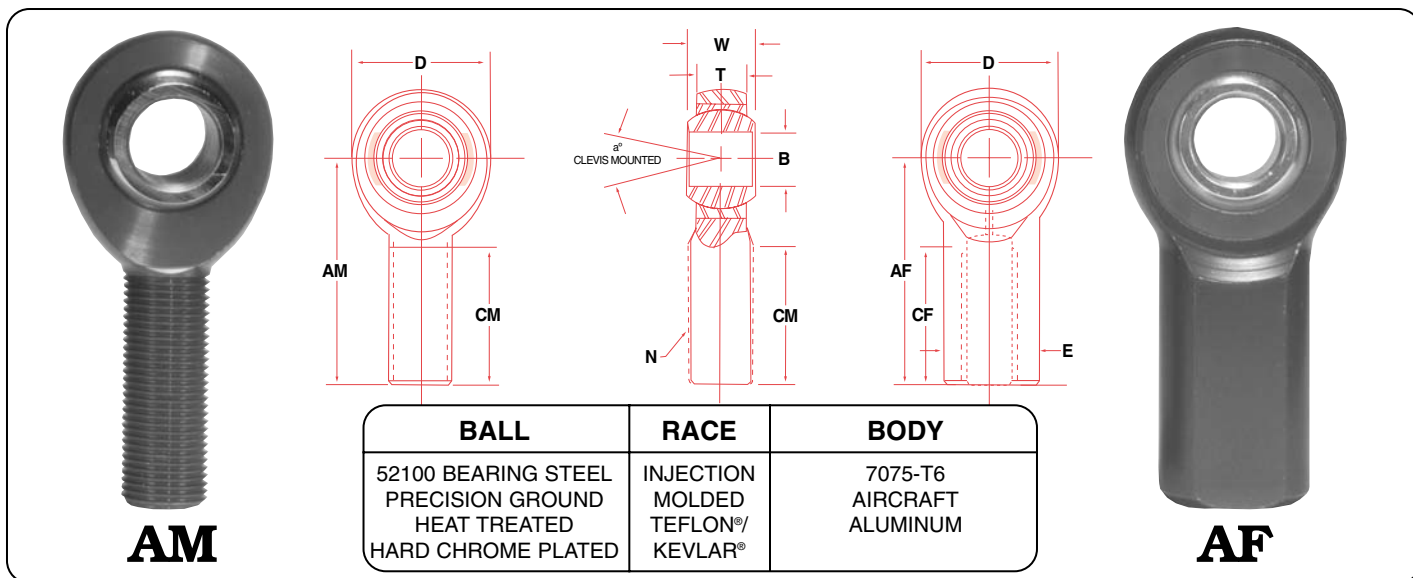
- FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** XML12
- FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** XM12Y

AM, AF

ALUMINUM

SELF-LUBRICATING & SELF SEALING

TEFLON®/KEVLAR® RACE



RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
REF.		+.0015 -.0005	±.010	+.000 -.005	±.005	REF.	±.015	±.015	UNF 3A - 2B	+.062 -.031	+.062 -.031	±.010	±.010	REF.	(LBS.)	(LBS.)
AM 3	3/16 x 10-32	.1900	.625	.312	.250	.437	1.250	1.062	10-32	.750	.562	.406	.312	13	1,350	.02
AF 3															1,750	.03
AM 4	1/4 x 1/4-28	.2500	.750	.375	.281	.500	1.562	1.312	1/4-28	1.000	.750	.469	.375	16	2,500	.03
AF 4															2,900	.04
AM 5	5/16 x 5/16-24	.3125	.875	.437	.344	.625	1.875	1.375	5/16-24	1.250	.750	.500	.437	14	3,200	.05
AF 5															3,600	.06
AM 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.719	1.938	1.625	3/8-24	1.250	.937	.687	.562	12	4,500	.05
AF 6															4,500	.07
AM 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.812	2.125	1.812	7/16-20	1.375	1.062	.750	.625	14	4,800	.09
AM 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.937	2.438	2.125	1/2-20	1.500	1.187	.875	.750	12	7,700	.12
AM 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.125	2.625	2.500	5/8-18	1.625	1.500	1.000	.875	16	8,600	.18
AM 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.312	2.875	2.875	3/4-16	1.750	1.750	1.125	1.000	14	13,400	.29

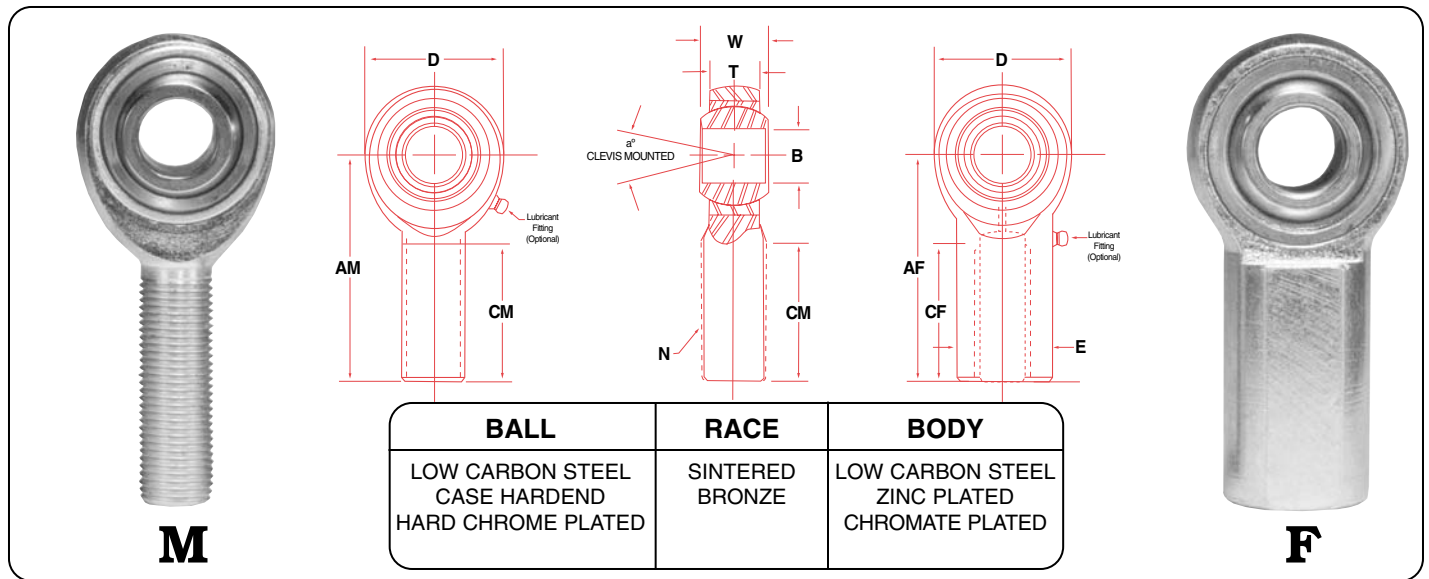
HEAVY DUTY SHANK

AM 5-6	5/16 x 3/8-24	.3125	1.000	.437	.344	.625	1.938	1.625	3/8-24	1.250	.937	.687	.562	12	5,800	.05
AF 5-6															5,800	.07
AM 6-7	3/8 x 7/16-20	.3750	1.125	.500	.406	.719	2.125	-	7/16-20	1.375	-	-	-	10	7,800	.09
AM 7-8	7/16 x 1/2-20	.4375	1.312	.562	.437	.812	2.438	-	1/2-20	1.500	-	-	-	12	11,100	.13
AM 8-10	1/2 x 5/8-18	.5000	1.500	.625	.500	.937	2.625	-	5/8-18	1.625	-	-	-	10	15,000	.18
AM 10-12	5/8 x 3/4-16	.6250	1.750	.750	.562	1.125	2.875	-	3/4-16	1.750	-	-	-	13	19,300	.30

NOTES:

1. FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** AML12
2. FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** AM12Y

M, F PRECISION - BRONZE RACE



RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
	REF.	+.0025 -.0005	±.010	±.005	REF.	REF.	±.030	±.030	UNF 3A - 2B	±.060	±.060	±.010	±.010	REF.	(LBS.)	(LBS.)
M 3 F 3	3/16 x 10-32	.1900	.625	.312	.250	.430	1.250	1.062	10-32	.750	.562	.406	.312	11	1,600 1,800	.04
M 4 F 4	1/4 x 1/4-28	.2500	.750	.375	.281	.510	1.562	1.312	1/4-28	1.000	.750	.468	.375	13	2,250 2,300	.05
M 5 F 5	5/16 x 5/16-24	.3125	.875	.437	.344	.618	1.875	1.375	5/16-24	1.250	.750	.500	.437	11	2,850 2,900	.08
M 6 F 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.713	1.938	1.652	3/8-24	1.250	.937	.687	.562	10	3,900 4,300	.12
M 7 F 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.806	2.125	1.812	7/16-20	1.375	1.062	.750	.625	12	5,300 5,350	.17
M 8 F 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.931	2.438	2.125	1/2-20	1.500	1.187	.875	.750	10	7,400 8,400	.27
M 10 F 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.098	2.625	2.500	5/8-18	1.625	1.500	1.000	.875	12	9,350 9,550	.40
M 12 F 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.336	2.875	2.875	3/4-16	1.750	1.750	1.125	1.000	10	10,450 10,500	.62

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT ROD END SUPPLY SALES DEPT. • STUDS AVAILABLE

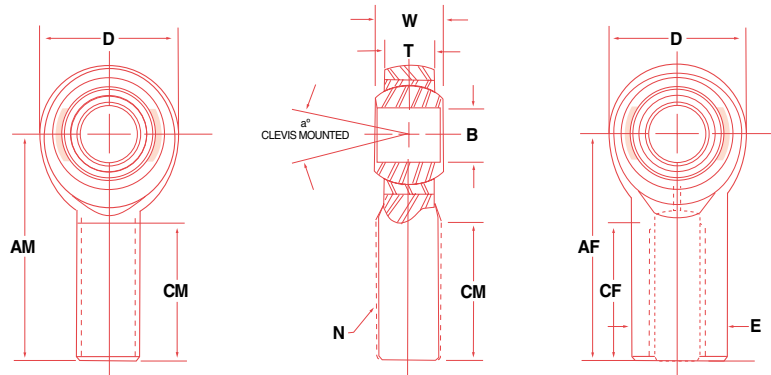
NOTES:

1. FOR LEFT HAND THREADS ADD "L" TO PREFIX. **EXAMPLE:** ML8
2. FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** M8Z
3. FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** M8Y

NM, NF INJECTION MOLDED SERIES



NM



BALL	RACE	BODY
52100 BEARING STEEL PRECISION GROUND HEAT TREATED HARD CHROME PLATED	NYLON PLASTIC COMPOSITE	C1045 STEEL ZINC & YELLOW DICROMATE PLATED



NF

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AM LGTH	AF LGTH	N THD.	CM LGTH	CF LGTH	E DIA.	F FLAT	α° MIS. ANG.
REF.	REF.	+0.015 -0.005	±.010	+0.000 -0.005	±.005	REF.	±.015	±.015	UNF 3A - 2B	+0.062 -0.031	+0.062 -0.031	±.010	±.010	REF.
NM 3 NF 3	3/16 x 10-32	.1900	.625	.312	.250	.437	1.250	1.062	10-32	.750	.500	.406	.312	13
NM 4 NF 4	1/4 x 1/4-28	.2500	.750	.375	.281	.500	1.562	1.312	1/4-28	1.000	.687	.469	.375	16
NM 5 NF 5	5/16 x 5/16-24	.3125	.875	.437	.344	.625	1.875	1.375	5/16-24	1.250	.687	.500	.437	14
NM 6 NF 6	3/8 x 3/8-24	.3750	1.000	.500	.406	.719	1.938	1.625	3/8-24	1.250	.812	.687	.562	12
NM 7 NF 7	7/16 x 7/16-20	.4375	1.125	.562	.437	.812	2.125	1.812	7/16-20	1.375	.937	.750	.625	14
NM 8 NF 8	1/2 x 1/2-20	.5000	1.312	.625	.500	.937	2.438	2.125	1/2-20	1.500	1.062	.875	.750	12
NM 10 NF 10	5/8 x 5/8-18	.6250	1.500	.750	.562	1.125	2.625	2.500	5/8-18	1.625	1.375	1.000	.875	16
NM 12 NF 12	3/4 x 3/4-16	.7500	1.750	.875	.687	1.312	2.875	2.875	3/4-16	1.750	1.562	1.125	1.000	14

NOTES:

1. FOR LEFT HAND THREADS ADD "L" TO PREFIX.

EXAMPLE: NML12

2. FOR STUDS ADD "Y" TO SUFFIX

EXAMPLE: NM8Y

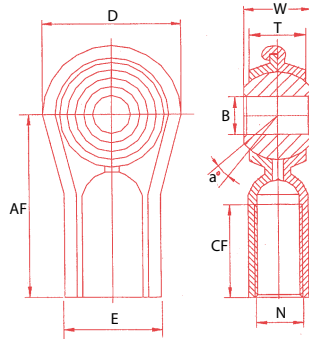
STAINLESS STEEL AND ALLOY STEEL AVAILABLE. CALL FOR INFORMATION

STF

STAMPED STEEL SERIES



STF



BALL	BODY
LOW CARBON STEEL CASE HARDEND HARD CHROME PLATED	LOW CARBON STEEL ZINC PLATED

RES. PART NO.	BORE X THD. SIZE	B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	AF LGTH	N THD.	CF LGTH	E DIA.	α° MIS. ANG.	ULT. STATIC RADIAL LOAD (LBS.)
	REF.	+0.0025 -0.0005	±.010	±.000 -0.005	REF.	REF.	±.015	UNF 2B	±.050	±.010	REF.	
STF3	3/16 x 10-32	.1900	.750	.312	.250	.437	1.062	10-32	.500	.450	11	1000
STF4	1/4 x 1/4-28	.2500	.850	.375	.282	.500	1.312	1/4-28	.750	.515	13	1850
STF5	5/16 x 5/16-24	.3125	1.015	.437	.344	.624	1.375	5/16-24	.750	.640	11	2400
STF6	3/8 x 3/8-24	.3750	1.125	.500	.406	.718	1.652	3/8-24	.925	.715	10	3600
STF7	7/16 x 7/16-20	.4375	1.266	.562	.437	.812	1.812	7/16-20	1.025	.822	11	4500
STF8	1/2 x 1/2-20	.5000	1.460	.625	.500	.937	2.125	1/2-20	1.160	.945	10	6100

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT ROD END SUPPLY SALES DEPT. • STUDS AVAILABLE

NOTES:

- FOR LEFT HAND THREADS ADD "L" TO PREFIX.

EXAMPLE: STFL8

- FOR STUDS ADD "Y" TO SUFFIX.

EXAMPLE: STF8Y

BALL JOINTS

SEALED



STUD	SEAL	BODY
C1020 STEEL PRECISION GROUND ZINC & YELLOW DICROMATE PLATED	BUNA N RUBBER	C1045 STEEL HEAT TREATED ZINC & YELLOW DICROMATE PLATED

RES. PART NO.	A THREAD	B	D	C	F	E	G	F2 HEX	K	α° MIS. ANG.	ULT. STATIC LOAD LBS.
BJF3RS	10-32	1.063	.438	.875	.335	.438	.876	.313	.375	17	850
BJF4RS	1/4-28	1.219	.500	.969	.460	.469	1.032	.375	.438	17	1280
BJF5RS	5/16-24	1.406	.563	1.125	.585	.531	1.219	.438	.500	17	1800
BJF6RS	3/8-24	1.688	.750	1.375	.775	.688	1.563	.500	.625	17	2650
BJF8RS	1/2-20	2.375	1.000	1.938	1.000	.875	2.000	.625	.750	16	2808
BJF10RS	5/8-18	3.219	1.313	2.531	1.250	1.063	2.438	.750	.875	15	3680
BJF12RS	3/4-16	3.750	1.438	3.063	1.625	1.375	3.125	.875	1.000	15	4800

1. FOR LEFT HAND THREADS ADD “L” TO PREFIX.
EXAMPLE: BJFL8RS

BALL JOINTS

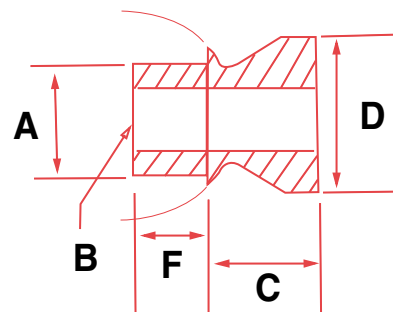
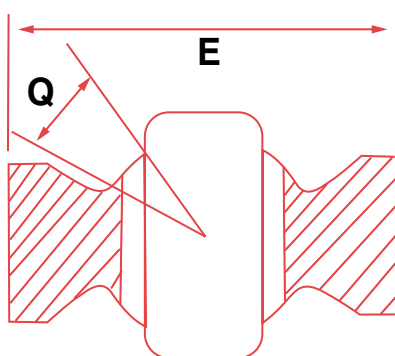
QUICK RELEASE

PART NO.	SIZE A	B	C	D	E	F	G	H	I	J	K	BALL DIA.
S-103	10-32	1.094	.906	.438	.438	.438	.125	.063	.313	.171	.438	.253
S-107-S	1/4-28	1.094	.906	.500	.469	.563	.125	.063	.313	.171	.438	.253
S-108	5/16-24	1.563	1.250	.563	.547	.688	.156	.094	.438	.232	.625	.341

HIGH MISALIGNMENT SPACERS/WELD-IN BUNGS (HMS)



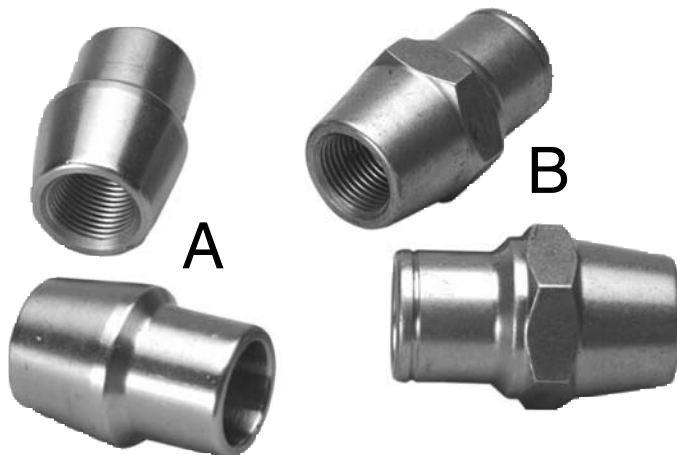
HIGH MISALIGNMENT SPACERS



RES. PART NO.	A	B	C	D	E	Q	F
HMS 08-10	.625	1/2	.525	.750	1.675	27	.300
HMS 08-12	.750	1/2	.525	.890	1.800	30	.368
HMS 10-12	.750	5/8	.525	.890	1.800	27	.368
HMS 10-14	.875	5/8	.812	1.050	2.500	23	.425
HMS 12-16	1.000	3/4	.812	1.250	2.624	27	.475

Note: Q - Approximate degrees
E - Overall length can be modified to your specifications
Other sizes are available.

WELD-IN THREADED BUNGS 4130 CHROMOLY STEEL



RES. PART NO. A	FITS TUBE SIZE	THREAD SIZE
R73-931-2 LH	1 1/8" OD x .083	5/8 - 18
R73-930-2 RH	1 1/8" OD x .083	5/8 - 18
R73-933-2 LH	1 1/8" OD x .083	3/4 - 16
R73-932-2 RH	1 1/8" OD x .083	3/4 - 16
R73-941-2 LH	1 1/4" OD x .095	5/8 - 18
R73-940-2 RH	1 1/4" OD x .095	5/8 - 18
R73-943-2 LH	1 1/4" OD x .095	3/4 - 16
R73-942-2 RH	1 1/4" OD x .095	3/4 - 16
R73-945-2 LH	1 1/4" OD x .120	5/8 - 18
R73-944-2 RH	1 1/4" OD x .120	5/8 - 18
R73-946-2 RH	1 1/4" OD x .120	3/4 - 16
RES. PART NO. B	FITS TUBE SIZE	THREAD SIZE
H73-947-2 LH	1 1/4" OD x .120	3/4 - 16
H73-943-2 LH	1 1/4" OD x .095	5/8 - 18

Note: Hex is available in left hand thread only.
No plating, Other sizes available.

RADIUS RODS

SWAGED ALUMINUM/STEEL



RES. PART NO. - IN.	TUBING O.D.	THREAD SIZE	LENGTH
6815-XX	1/2"	5/16"	4-15"
6815-XX	1/2"	5/16"	15.5-30"
6826-XX	3/4"	3/8"	4-15"
6826-XX	3/4"	3/8"	15.5-30"
6826-XX	3/4"	3/8"	30.5-50"
6836-XX	7/8"	3/8"	4-15"
6836-XX	7/8"	3/8"	15.5-30"
6836-XX	7/8"	3/8"	30.5-50"
6837-XX	7/8"	7/16"	4-15"
6837-XX	7/8"	7/16"	15.5-30"
6837-XX	7/8"	7/16"	30.5-50"
6838-XX	7/8"	1/2"	4-15"
6838-XX	7/8"	1/2"	15.5-30"
6838-XX	7/8"	1/2"	30.5-50"
6848-XX	1"	1/2"	4-25"
6848-XX	1"	1/2"	25.5-40"
6848-XX	1"	1/2"	40.5-54"

RES. PART NO. - IN.	TUBING O.D.	THREAD SIZE	LENGTH
68410-XX	1"	5/8"	4-25"
68410-XX	1"	5/8"	25.5-40"
68410-XX	1"	5/8"	40.5-54"
68510-XX	1 1/8"	5/8"	4-25"
68510-XX	1 1/8"	5/8"	25.5-40"
68510-XX	1 1/8"	5/8"	40.5-54"
68610-XX	1 1/4"	5/8"	5-25"
68610-XX	1 1/4"	5/8"	25.5-40"
68610-XX	1 1/4"	5/8"	40.5-54"
68612-XX	1 1/4"	3/4"	5-25"
68612-XX	1 1/4"	3/4"	25.5-40"
68612-XX	1 1/4"	3/4"	40.5-54"

MATERIALS

6061-T6
.125 WALL
THICKNESS

FEATURES

LEFT HAND THREAD
INDICATED WITH
KNURLED RING



MATERIALS	FEATURES
DOM TUBING ASTM A-513 TYPE 5 STEEL	LEFT HAND THREAD INDICATED WITH KNURLED RING YELLOW & ZINC CHROMATE

RES. PART NO. - IN.	TUBING O.D.	WALL THICKNESS	THREAD SIZE	LENGTH
34-XX	3/4"	.083	1/2"	4-30"
78-XX	7/8"	.083	5/8"	4-30"
10-XX	1"	.095	3/4"	5-40"

STAINLESS STEEL RADIUS ROD

* Minimum Order Required, call for minimum.

MATERIALS	FEATURES
304 STAINLESS STEEL	LEFT HAND THREAD INDICATED WITH KNURLED RING

RES. PART NO. - IN.	TUBING O.D.	WALL THICKNESS	THREAD SIZE	LENGTH
SS 34-XX	3/4"	.083	1/2"	6-30"
SS 78-XX	7/8"	.083	5/8"	6-30"
SS 10-XX	1"	.095	3/4"	7-40"

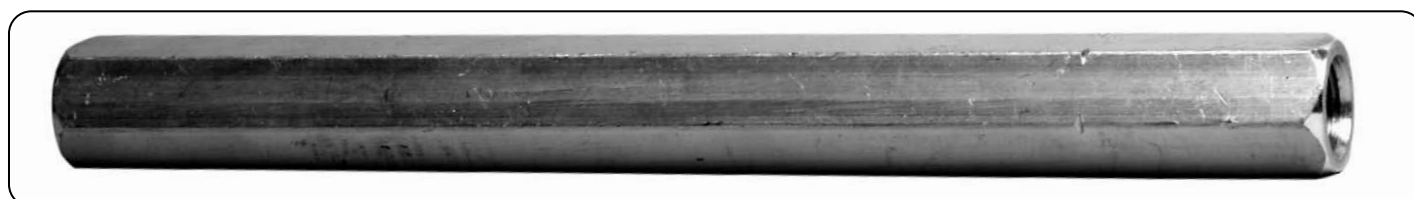
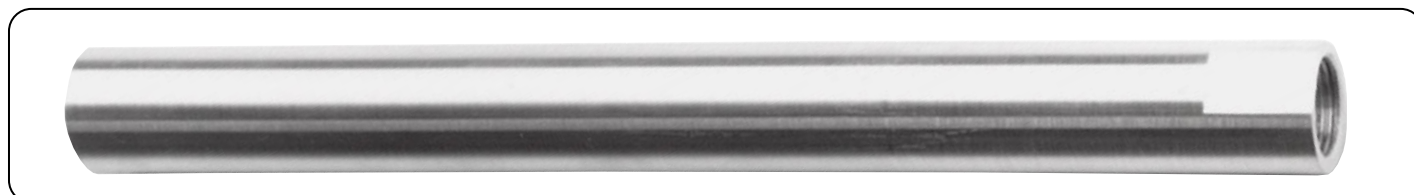
RADIUS RODS

NON-SWAGED



RADIUS RODS

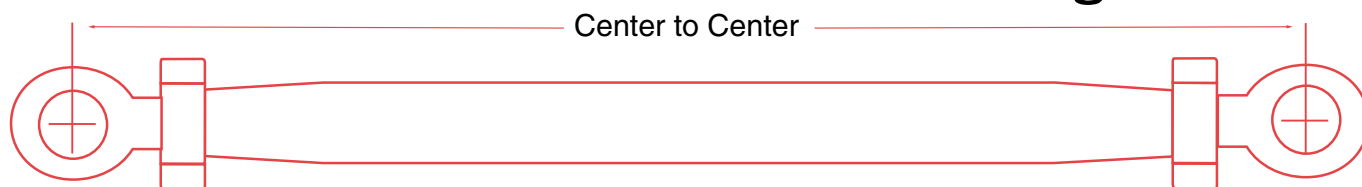
NON-SWAGED ALUMINUM (Round or Hex)



MATERIALS	FEATURES
6061-T6 .156 WALL THICKNESS	LEFT HAND THREAD INDICATED WITH MILLED FLAT ANODIZED GOLD

RES. PART NO. - IN.	TUBING O.D.	THREAD SIZE	LENGTH
19-XX	7/8"	5/8"	6-18"
19-XX	7/8"	5/8"	18.5-28"
20-XX	1"	3/4"	6-18"
20-XX	1"	3/4"	18.5-28"

Guide to find Radius Rod Length



When given the center to center distance subtract the dimension below per the size of rod end to get the correct length of radius rod.

Rod End Size	Center to Center Length	Minus		Radius Rod Length
3/16"	-	-1.75"	=	
1/4"	-	-1.75"	=	
5/16"	-	-1.75"	=	
3/8"	-	-2.00"	=	
7/16"	-	-2.00"	=	
1/2"	-	-2.50"	=	
5/8"	-	-3.00"	=	
3/4"	-	-3.00"	=	
Example: 5/16"	13.5"	-1.75"	=	11.75"
				"use 11.5" for your radius rod length"

NOTE: The length that you have computed using the above formula also allows for the use of jam nuts.

QUICK MOUNT SHOCK KIT



Quick Mount Shock Bolts

- 2024 T351 Cold Finish Alum
- Black Anodized
- Universal
- 8 bolts & keepers per set
- Fully tested



Individual Parts are available

Titanium Alternative Studs

<u>Part #</u>	<u>Description</u>
HCS61357	3/8 x 1 3/8 Header or Carburetor Stud - crs/fine
SCS71500	7/16 x 1 1/2 Side Cover Stud - crs/fine
RCS61500	3/8 x 1 1/2 Rear Cover Stud - coarse/coarse

These parts are made from 4130 Chromoly Steel Condition N Tubing. They are available in any length or diameter or thread configuration. They have a hex hole broached into one end for easy installation. They are as light as titanium.



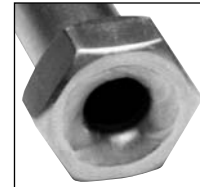
TITANIUM ALTERNATIVE BOLTS



- 45% lighter than GR.5/GR.8
- Centerless Ground
- Aircraft "J" Thread
- Certified aircraft welded nut
- Made from 4130 Chromoly Steel
Tubing - Condition N (not heat treated)
- Tensile Strength 90,000 lbs.
- Yield Strength 70,000 lbs.
- 25-28 Ft Pounds of Torque
- 1/2" - 3/4" Thread Length



Tapered Head
on certain
sizes



SPRINT CAR KIT

PART #	SIZE	WHERE USED	# NEEDED	
			Reg	J&J
TA081375	1/2 x 1 1/4	Frt Axle Rad Rod	3	3
TA082500	1/2 x 2 1/2	Rear Shocks Bottom	2	2
TA082750	1/2 x 2 3/4	Rad Rod Rear Sck Top	8	5
TA083500	1/2 x 3 1/2	Fnt Shocks Top	2	2
TA084500	1/2 x 4 1/2	Fnt Shocks Bottom	2	2
TA081750JJ	1/2 x 1 1/4	Fnt Rad Rod Frame	0	3
TA082000	1/2 x 2	Steering Arms	3	3
TA8SET			20	
TA8SETJJ				20
TA075500	7/16 x 5 1/2	Winters Rear Thru Bolt Kit	9	

INDIVIDUAL BOLTS

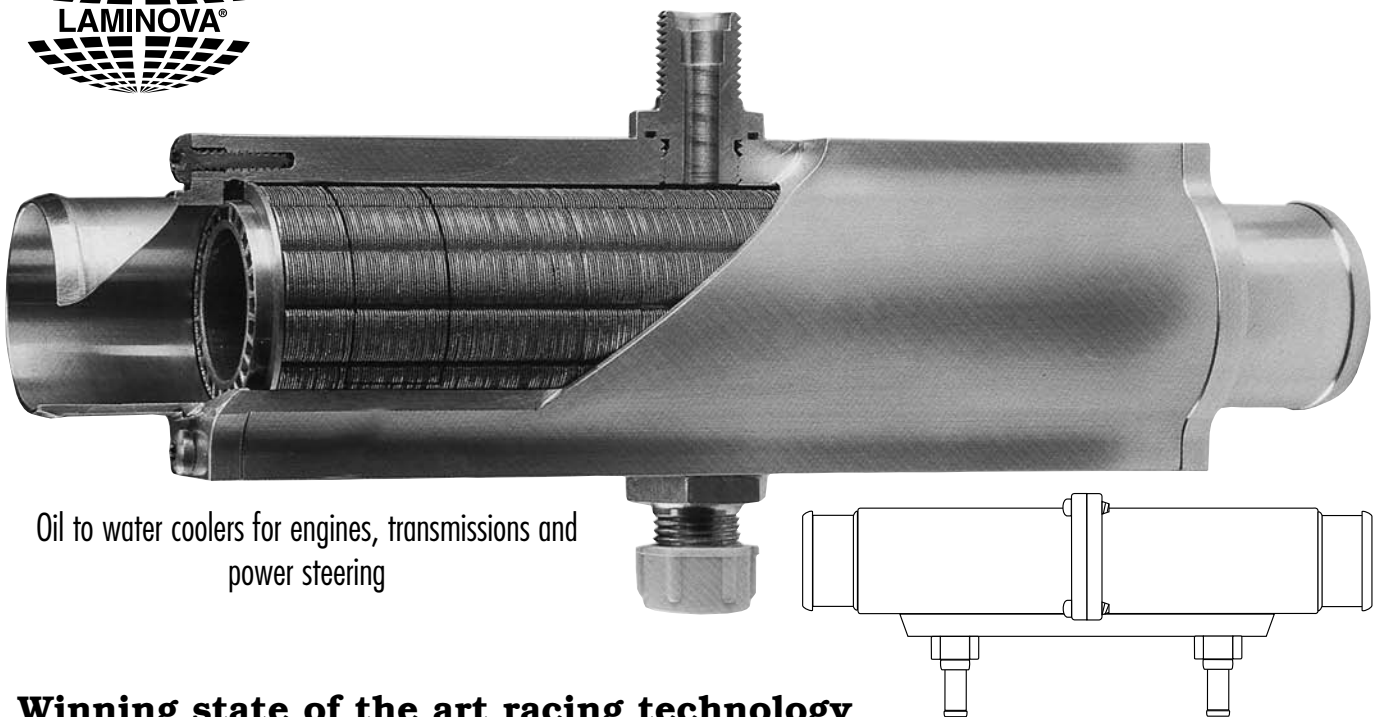
PART #	THREAD/LGTH		
TA050750	5/16 X 3/4	TA081000	1/2 X 1
TA051000	5/16 X 1	TA081250	1/2 X 1 1/4
TA051250	5/16 X 1 1/4	TA081500	1/2 X 1 1/2
TA051500	5/16 X 1 1/2	TA081750	1/2 X 1 3/4
TA051750	5/16 X 1 3/4	TA082000	1/2 X 2
TA052000	5/16 X 2	TA082250	1/2 X 2 1/4
TA052250	5/16 X 2 1/4	TA082500	1/2 X 2 1/2
TA052500	5/16 X 2 1/2	TA082750	1/2 X 2 3/4
TA052750	5/16 X 2 3/4	TA083000	1/2 X 3
TA053000	5/16 X 3	TA083250	1/2 X 3 1/4
TA053250	5/16 X 3 1/4	TA083500	1/2 X 3 1/2
TA053500	5/16 X 3 1/2	TA083750	1/2 X 3 3/4
TA060750	3/8 X 3/4	TA084000	1/2 X 4
TA061000	3/8 X 1	TA084250	1/2 X 4 1/4
TA061250	3/8 X 1 1/4	TA084500	1/2 X 4 1/2
TA061500	3/8 X 1 1/2	TA085000	1/2 X 5
TA061750	3/8 X 1 3/4	TA085500	1/2 X 5 1/2
TA062000	3/8 X 2	TA086000	1/2 X 6
TA062250	3/8 X 2 1/4	TA086500	1/2 X 6 1/2
TA062500	3/8 X 2 1/2	TA087000	1/2 X 7
TA062750	3/8 X 2 3/4	TA087500	1/2 X 7 1/2
TA063000	3/8 X 3	TA101500	5/8 X 1 1/2
TA063250	3/8 X 3 1/4	TA101750	5/8 X 1 3/4
TA063500	3/8 X 3 1/2	TA102000	5/8 X 2
TA063750	3/8 X 3 3/4	TA102250	5/8 X 2 1/4
TA064000	3/8 X 4	TA102500	5/8 X 2 1/2
TA064500	3/8 X 4 1/2	TA103000	5/8 X 3
TA065000	3/8 X 5	TA103500	5/8 X 3 1/4
TA071000	7/16 X 1	TA103750	5/8 X 3 1/2
TA071250	7/16 X 1 1/4	TA104000	5/8 X 4
TA071150	7/16 X 1 1/2	TA104500	5/8 X 4 1/2
TA071750	7/16 X 1 3/4	TA105000	5/8 X 5
TA072000	7/16 X 2	TA105500	5/8 X 5 1/2
TA072250	7/16 X 2 1/4	TA106000	5/8 X 6
TA072500	7/16 X 2 1/2	TA106500	5/8 X 6 1/2
TA072750	7/16 X 2 3/4	TA107000	5/8 X 7
TA073000	7/16 X 3	TA121500	3/4 X 1 1/2
TA073250	7/16 X 3 1/4	TA121750	3/4 X 1 3/4
TA073500	7/16 X 3 1/2	TA122000	3/4 X 2
TA074000	7/16 X 4	TA122250	3/4 X 2 1/4
TA074500	7/16 X 4 1/2	TA122500	3/4 X 2 1/2
TA075000	7/16 X 5	TA123000	3/4 X 3
TA075500	7/16 X 5 1/2	TA123500	3/4 X 3 1/2
TA076000	7/16 X 6	TA124000	3/4 X 4
TA076500	7/16 X 6 1/2	TA124500	3/4 X 4 1/2
TA077000	7/16 X 7	TA125000	3/4 X 5
		TA125500	3/4 X 5 1/2
		TA126000	3/4 X 6
		TA126500	3/4 X 6 1/2
		TA127000	3/4 X 7
		TA127500	3/4 X 7 1/2

MAXTEC

OIL COOLERS



MAXTEC



Oil to water coolers for engines, transmissions and power steering

- **Winning state of the art racing technology**
- **Rugged light weight all aluminum construction**
- **Totally re-buildable**
- **Low pressure drop due to patented Laminova® Design**
- **Installation flexibility**
- **Helps eliminate fuel dilution in oil (critical when using alcohol)**
- **Allows for use of low viscosity oil (increases h.p.)**
- **Cost effective upgrade to any system**
- **Bullet proof - Literally**

NOTE: Made from Billet Aluminum
C43 Series pricing includes oil fitting (specify size, 6 thru 16) hose type
Water fitting (specify size 3/4", 1", 1 1/4", 1 1/2", 1 3/4")
Also available AN/JIC water fittings: add \$5.00 per fitting (16 & 24 available)
Additional pricing for custom coolers and/or modifications to standard coolers available.

MAXTEC

OIL COOLERS (cont.)



Introducing a new, radically different, oil to water heat exchanger to the American market.

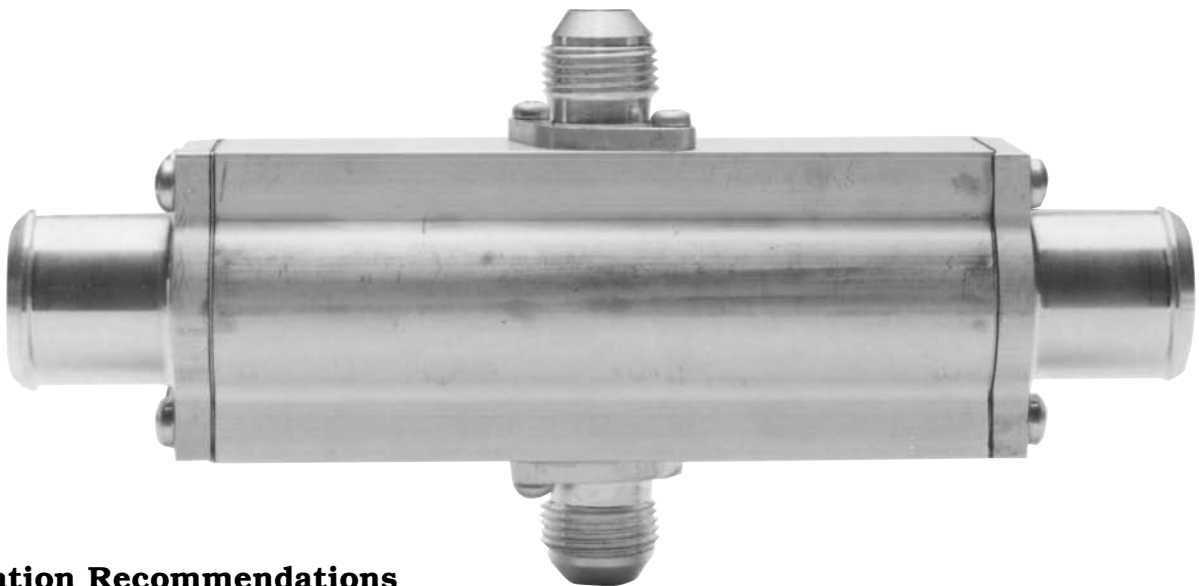
The Laminova heat exchanger consists primarily of only two pieces of extruded aluminum profiles, the core, which is the active heat transferring part, and the shell. The assembly is done without soldering and all connections are sealed with O-rings, ensuring that the unit is highly resistant to vibrations and pulsations.

The inner surface of the core is optimized for efficient water flow rates, low pressure drop and a minimum fouling risk.

The outer surface of the core is optimized for maximum liquid (oil) to surface contact, laminar flow and maximum heat transfer.

Other Coolers: A shorter version, C43-90 (Housing length of 4 inches) is available with different fitting options. When used for rear end cooling, water supplied through a 3/4 inch hose provides ample cooling.

Laminova supplies a cooler specifically made for power steering systems. It can be mounted in the top tank hose, bottom tank hose, or adapted to take a smaller line tapped off of the water pump. The P/S fluid lines fittings are available with JIC-6 or 3/8 inch hose connection. Others available upon request.



Application Recommendations

Horsepower	Maxtec Part #	Application
350 hp	C43-90 (4") block mount	Most Street Application, 4 cyl. Race Engine, Pony Stocks, Valve Spring Cooler, Pure Stock, Street Stock, etc.
350-550 hp	C43-180 (8")	Circle Track, Drag Cars, Tow Units, Pleasure Boats, Transmissions
550 hp +	C43-30-330 (13")	High Horsepower, Sprint Cars, Drag Boats, Cup & Busch Cars, Extreme Uses

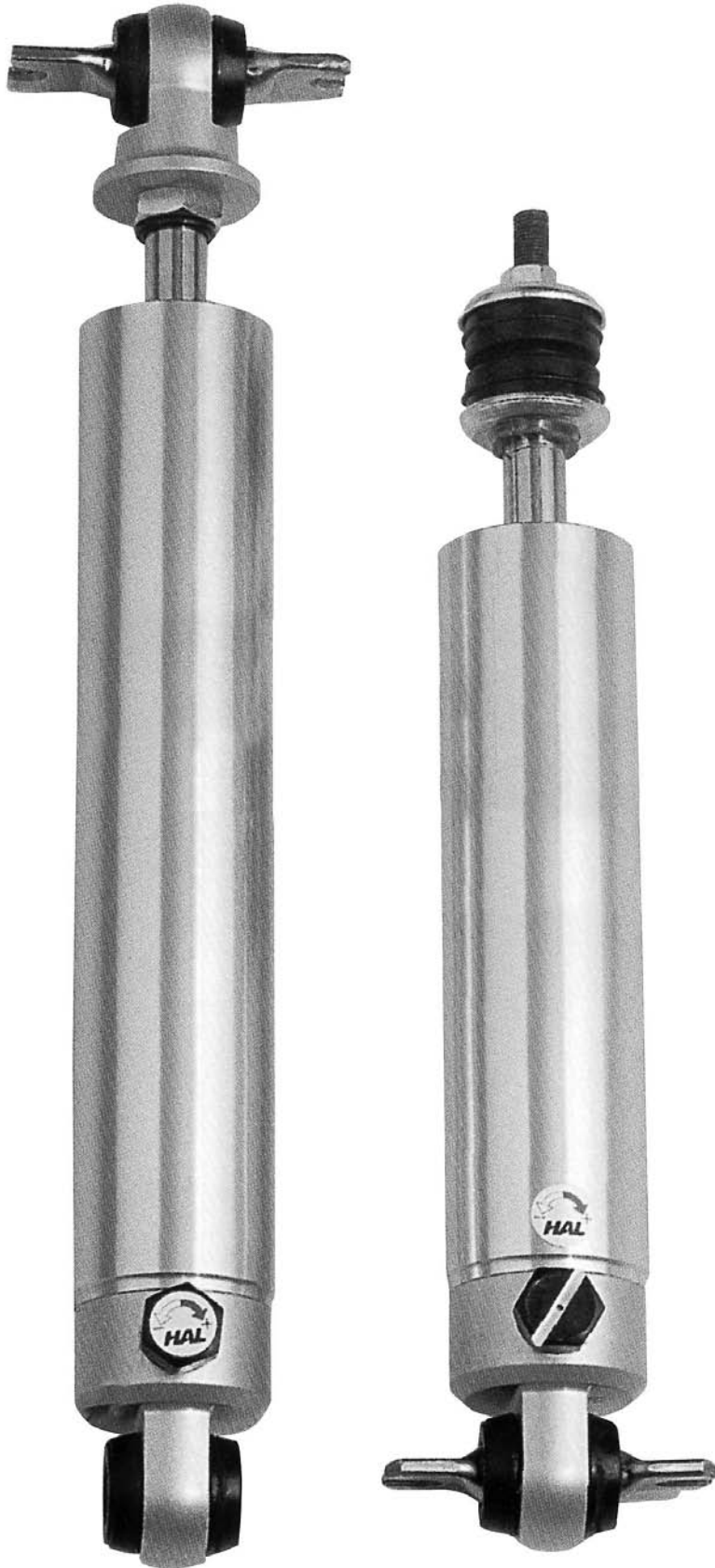
If current oil temperatures are exceeding 280° without a cooling unit, upgrading to the next largest Maxtec unit is recommended. In limited space or ultimate weight applications, the efficiency of each Maxtec unit can be measurable increased by extending the dwell time of the water in the unit. Please contact Rod End Supply for information.

Note: Operating a vehicle at the upper limits of its capabilities often overloads the stock cooling and oiling systems. To ensure the Maxtec cooler operates at peak efficiency, other engine conditions must be in good operating condition, i.e. Cooling and iling systems, timing, jetting, etc.

SHOCKS

STOCKER STAR AL

Aluminum



The Stocker Star AL is the only machined aluminum, externally adjustable, STOCK MOUNT shock available on the market today. A twelve position adjuster allows you to dial in your shock from soft to hard. The Stocker Star is rebuildable and revalveable for custom applications, repairing or freshening up.

Front Applications

Compressed length from 8.75" to extended length of 15"

Rear Applications

Compressed length from 11" to extended length of 23.87"

Call Rod End Supply inside sales personnel at 1-800-284-2902 with your specific application needs.

SHOCKS

ULTRA RIDE

Aluminum

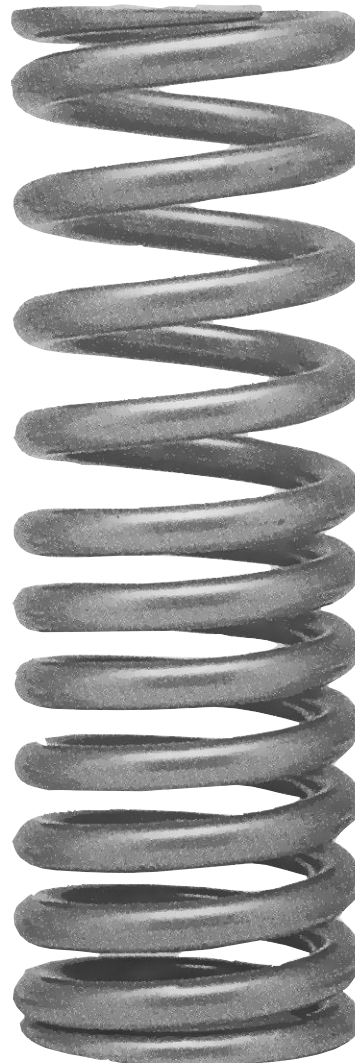


The Ultra Ride shock combined with our progressive coil makes this shock the best ride for street applications, whether it be street rod or pro street cars. The twelve point adjustment knob controls the rebound, providing you with the Ultra Ride control.

Mounting can be either spherical bearing or poly bushing.

Coil Spring Lengths Available 7", 9", 12", 14"

Call Rod End Supply inside sales personnel at 1-800-284-2902 with your specific application needs.



SHOCKS

PROMA STAR AL

Aluminum



The Proma Star AL is the finest Drag Racing shock on the market. From sportsman class brackets and supers to the shoot out street car classes, the Proma Star AL has proven to deliver unmatched consistency, reaction and durability. The valving is designed to compensate for high shaft speeds while allowing for low shaft speed control throughout the twelve adjustments. This is the best externally adjusted shock available on the market today!

Mounting can be either spherical bearing or poly bushing.

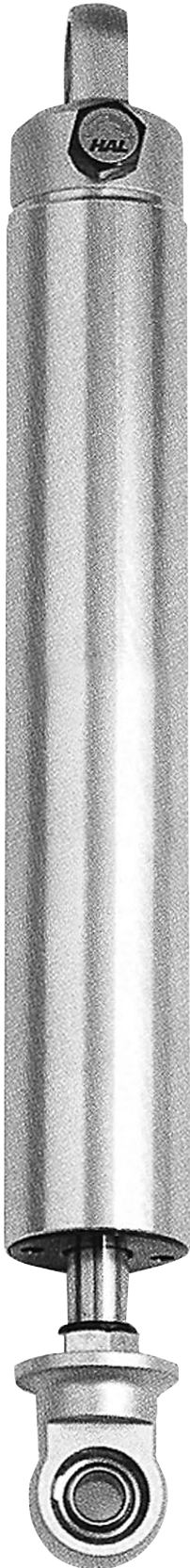
Coil Spring Lengths Available 7", 9", 12", 14"

Call Rod End Supply inside sales personnel at 1-800-284-2902 with your specific application needs.

SHOCKS

CHALLENGER AL

Aluminum



The Challenger AL series (smooth body and threaded body) is the latest in circle track aluminum shocks. They are built from CNC machined aluminum with a 5/8" hard chrome piston rod. This combination offers light weight, heat dissipation and durability, that is unparalleled by other shocks on the market.

Available in 5", 7", 9" of travel. The twelve setting adjustment knob allows you to fine tune your suspension to varying track conditions.

Coil over kit and springs available for the threaded body.

Call Rod End Supply inside sales personnel at 1-800-284-2902 with your specific application needs.

***Because of limited space
we have shown you only
a few of the shocks
available...***

***Please call us for your applications for
steel bodied shocks, 5.0 Mustang
shocks and aluminum adjustable coil
over strut front suspension. If you
have questions on availability, just ask.***

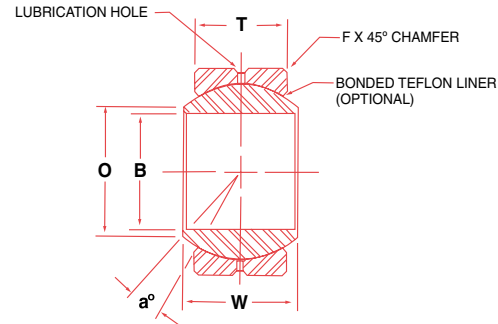
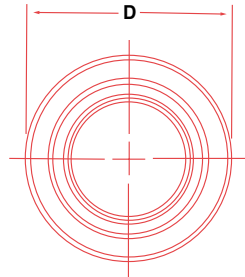
COM/COMH

ECONOMY

SPHERICAL BEARINGS



COM/COMH



BALL	BODY
52100 BEARING STEEL PRECISION GROUND HEAT TREATED HARD CHROME PLATED	LOW CARBON STEEL HEAT TREATED ZINC PLATED

RES. PART NO.	BORE +.0025 -.0005 REF.	B DIA. +.0015 -.0005	D DIA. +.000 -.0007	W WIDTH ±.005	T WIDTH ±.005	BALL DIA. REF.	O DIA. REF.	F CHAMFER REF.	a° MIS. ANG. REF.	ULT. STATIC RADIAL LOAD (LBS.)	APPROX. WEIGHT (LBS.)
COM 3	3/16	.1900	.5625	.281	.218	.406	.293	.015	11	3,250	.014
COM 4	1/4	.2500	.6562	.343	.250	.500	.364	.022	13.5	4,950	.022
COM 5	5/16	.3125	.7500	.375	.281	.562	.419	.032	12	6,475	.030
COM 6	3/8	.3750	.8125	.406	.312	.656	.516	.032	10	8,400	.038
COM 7	7/16	.4375	.9062	.437	.343	.687	.530	.032	8	9,453	.047
COM 8	1/2	.5000	1.0000	.500	.390	.813	.640	.032	9.5	13,257	.065
COM 9	9/16	.5625	1.0937	.562	.437	.906	.710	.032	9.5	16,630	.086
COM 10	5/8	.6250	1.1875	.625	.500	1.00	.780	.032	8.5	21,280	.110
COM 12	3/4	.7500	1.4375	.750	.593	1.187	.920	.044	9	31,920	.204
COM 14	7/8	.8750	1.5625	.875	.703	1.312	.980	.044	9.5	41,960	.263
COM 16	1	1.0000	1.7500	1.000	.797	1.500	1.118	.044	10	55,200	.386
COMH 16	1	1.0000	2.0000	1.000	.781	1.687	1.360	.032	9	70,820	.553
COMH 19	1-3/16	1.1875	2.3750	1.187	.937	2.000	1.610	.032	8.5	100,730	.895
COMH 20	1-1/4	1.2500	2.3750	1.187	.937	2.000	1.610	.032	8.5	100,730	.895
COMH 24	1-1/2	1.5000	2.7500	1.375	1.094	2.312	1.860	.032	8.5	135,950	1.358
COMH 28	1-3/4	1.7500	3.1250	1.562	1.250	2.625	2.110	.044	8	176,370	1.948
COMH 32	2	2.0000	3.5000	1.750	1.375	2.937	2.360	.044	8.5	217,060	2.650

TEFLON LINERS AVAILABLE
Different body materials available.

NOTES:

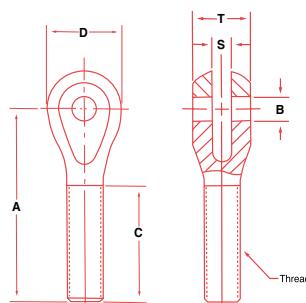
- LUBRICATION GROOVES IN I.D. AND O.D. OF RACE.
LUBRICATION HOLES THRU RACE ONLY.
- FOR TEFLON LINER ADD "T" TO SUFFIX.

EXAMPLE: COM12T (UNITS WITH TEFLON LINERS HAVE NO LUBRICATION HOLES OR GROOVE IN RACE)

CLEVIS



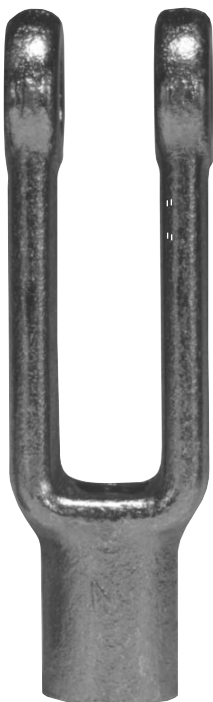
PART NO.	BORE X THD. SIZE REF.	B DIA. +.005 -.000	D DIA. ±.010	T WIDTH ±.005	A LGTH. ±.015	C LGTH. +.062 -.031	S SLOT ±.005	N THREAD UNF-3A
CV4-5	1/4 x 5/16	.2500	.875	.625	2.250	1.250	.188	5/16-24
CV5-5	5/16 x 5/16	.3125	.875	.625	2.250	1.250	.188	5/16-24
CV5-6	5/16 x 3/8	.3125	.875	.625	2.250	1.250	.188	3/8-24
CV5-8	5/16 x 1/2	.3125	1.000	.750	2.500	1.500	.250	1/2-20
CV6-8	3/8 x 1/2	.3750	1.000	.750	2.500	1.500	.250	1/2-20
CV6-10	3/8 x 5/8	.3750	1.125	.825	3.375	2.000	.375	5/8-18
CV8-10	1/2 x 5/8	.500	1.125	.825	3.750	2.000	.375	5/8-18



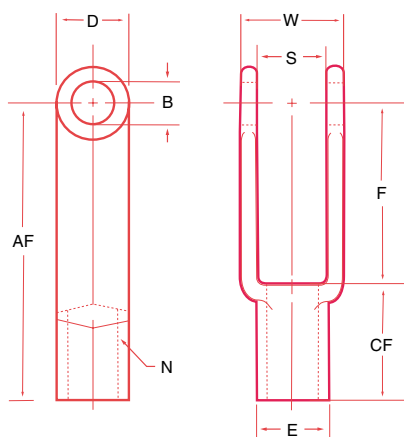
**C1045 STEEL
ZINK PLATED**

* also available in Chrome
and Stainless Steel

YOKE CLEVIS



PART NO.	BORE X THD. SIZE REF.	B DIA. ±.001	D DIA. ±.030	T WIDTH ±.010	AF LGTH. ±.020	CF LGTH. +.062 -.031	S SLOT ±.010	N THREAD UNF-3A	W THREAD ±.010	E THREAD ±.030	F THREAD
4N200A	1/4 x 1/4	.2500	.500	.281	2.000	.750	.281	1/4-28	.625	.438	1.250
5N204A	5/16 x 5/16	.3125	.594	.344	2.250	.812	.344	5/16-24	.750	.500	1.438
6N106A	3/8 x 3/8	.3750	.688	.438	1.375	.531	.438	3/8-24	.875	.625	.844
6N112A	3/8 x 3/8	.3750	.688	.438	1.750	.562	.438	3/8-24	.875	.625	1.188
6N208A	3/8 x 3/8	.3750	.688	.438	2.500	.875	.438	3/8-24	.875	.625	1.625



**MILD STEEL
ZINK/YELLOW PLATED**

FASTENER KITS

303 STAINLESS STEEL

FASTENER KITS



Fastener Kit



303 Stainless Steel Fastener Kits

Hex is broached into the spud for convenient assembly

Part Number: RESSD Kit SS-L

Kit Includes: 14 Header Studs (hollow)
6 Torque Tube Studs
8 Quick Connect Shock Spuds
5 Quick Connect Radius Rod Spuds
4 Quick Connect Steering Spuds
37 Total Pieces



Part Number: RESSD Kit SS-S

Same as above except front bottom shock mounts are 3.4" long instead of 5.3" long.

Part Number: RESSD Kit SS-T

Same as above except all radius rod and shock spuds are 2.3" long for threading into chassis.

Individual Parts are Available...

SPRINT CAR/MIDGET SUSPENSION/STEERING PARTS



PITMAN ARMS

Pitman Arm 15"



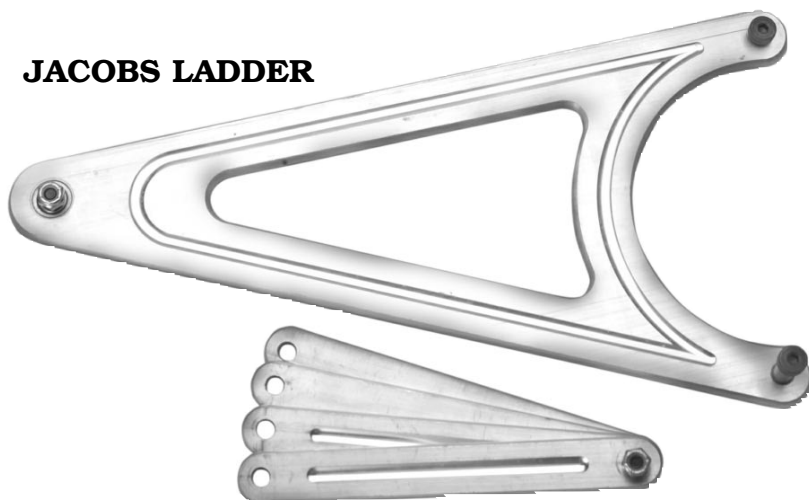
Pitman Arm 13"



Pitman Arm 12"



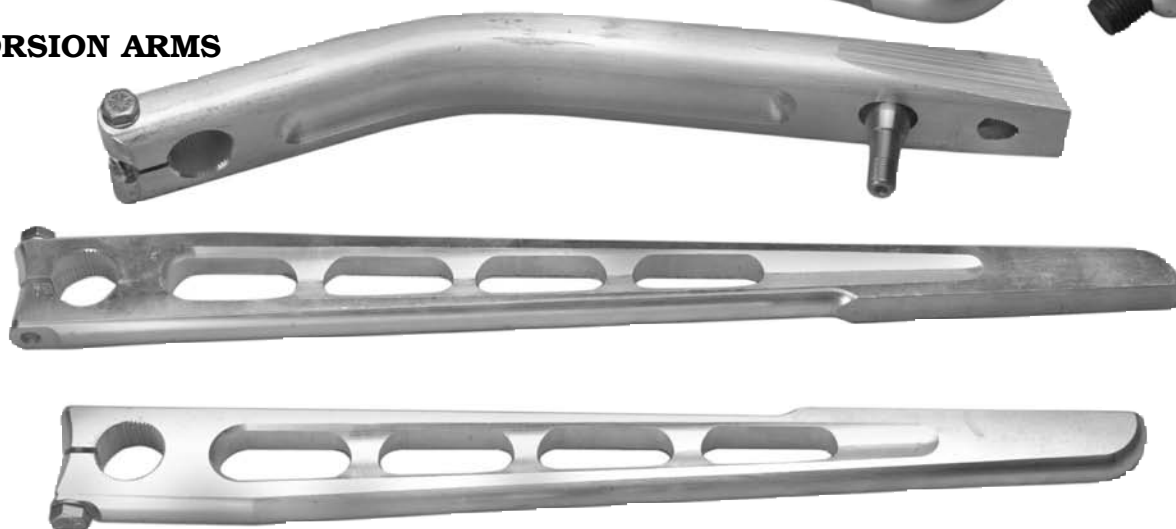
JACOBS LADDER



TORSION STOPS



TORSION ARMS



SPRINT CAR/MIDGET SUSPENSION/STEERING PARTS



STEERING ARMS



BIRD CAGES & BEARINGS



- 7075 T-651 ALUMINUM
- Closest pick up points on the market
- One piece construction
- Dirt Sprint Car/Dirt Midget
- Asphalt Sprint Car/Champ Car/Midget

ASPHALT BIRD CAGES & BEARINGS



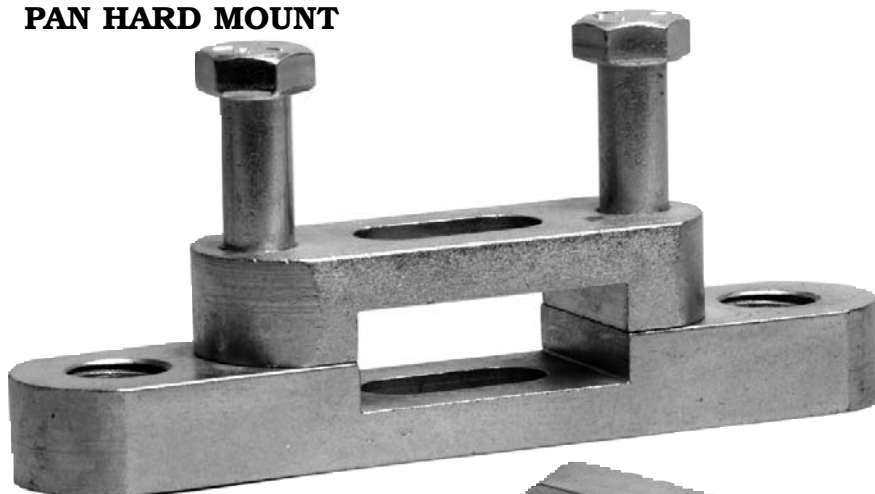
MODIFIED PARTS

SUSPENSION/STEERING

PARTS



PAN HARD MOUNT



C1045 STEEL
ZINK YELLOW DICROMATE PLATEDD
mounting bolts included, available in 1 1/2" and 2" mount.

WEIGHT MOUNT CLAMP (WMB) 6061-T6 ALUMINUM

**FRONT MOTOR MOUNT
SMALL BLOCK CHEVY**



C1045 STEEL
ZINK YELLOW DICROMATE
PLATED



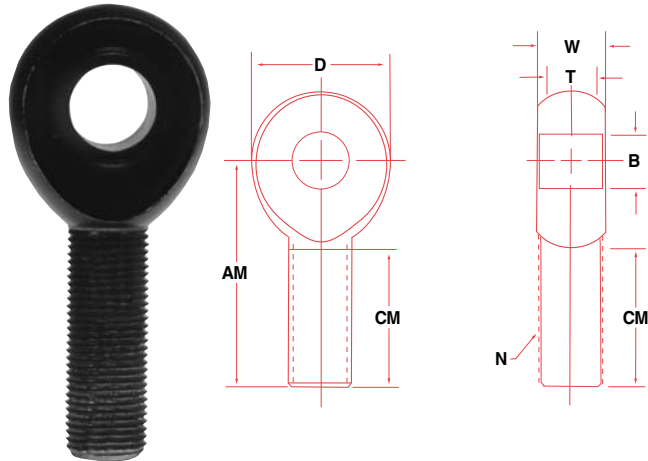
RES PART NO.	SIZE
WMB 1.5000	1.5" ID
WMB 1.1625	1.625" ID
WMB 1.750	1.75" ID
WMB 2.00	2.00" ID

WMB 2x2" and WMB 3"x2" Square Hole (same prices as above)

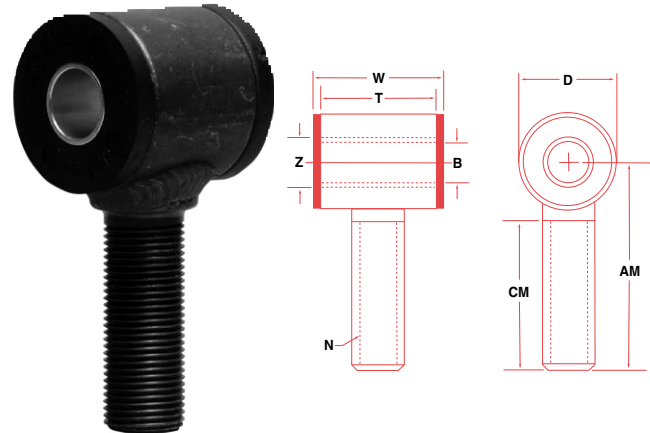
SPECIAL PRODUCTS



ROD EYE



Four Bar End



RES. PART NO.	BORE X THD. SIZE REF.	B DIA. +.0050 -.0000	D DIA. ±.010	T WIDTH ±.005	AM LGTH. ±.015	CM LGTH. +.062 -.031	N THD. UNF 3A - 2B
RE 8	1/2x1/2	.500	1.312	.625	2.437	1.500	1/2-20
RE 10	5/8 x 5/8-18	.625	1.500	.750	2.625	1.625	5/8-18
RE 10-12	5/8 x 3/4-16	.625	1.750	.875	2.875	1.750	3/4-16
RE 12	3/4x3/4-16	.750	1.750	.875	2.875	1.750	3/4-16

RES. PART NO.	BORE X THD. SIZE REF.	B DIA. +.0050 -.0000	Z DIA. ±.010	D DIA. ±.010	W DIA. ±.010	T WIDTH ±.005	AM LGTH. ±.015	CM LGTH. +.062 -.031	N THD. UNF 3A - 2B
BU 10-12	5/8x3/4-16	.625	.750	1.375	1.750	1.290	3.000	1.850	3/4-16

MATERIALS

BODY

C1045 STEEL

MATERIALS

BUSHING

DELRON AND
STEEL SLEEVE

BODY

C1045 STEEL
BLACK OXIDE PLATING

LOCKNUTS

STEEL -
JAM THICKNESS



COARSE THREAD

RIGHT HAND	THREAD SIZE	HEX SIZE
LNRC04	1/4-20	7/16
LNRC05	5/16-18	1/2
LNRC06	3/8-16	9/16
LNRC07	7/16-14	11/16
LNRC08	1/2-13	3/4
LNRC010	5/8-11	15/16
LNRC012	3/4-10	1-1/8

FINE THREAD

RIGHT HAND	THREAD SIZE	HEX SIZE
LNRO4	1/4-28	7/16
LNRO5	5/16-24	1/2
LNRO6	3/8-24	9/16
LNRO7	7/16-20	11/16
LNRO8	1/2-20	3/4
LNRI0	5/8-18	15/16
LNRI2	3/4-16	1-1/8

JAM NUTS

STEEL - LOW CARBON - ZINC PLATED

RIGHT HAND	LEFT HAND	THD. SIZE	HEX SIZE
SJNR03	SJNL03	10-32	7/16
SJNR04	SJNL04	1/4-28	7/16
SJNR05	SJNL05	5/16-24	1/2
SJNR06	SJNL06	3/8-24	9/16
SJNR07	SJNL07	7/16-20	11/16
SJNR08	SJNL08	1/2-20	3/4
SJNR10	SJNL10	5/8-18	15/16
SJNR12	SJNL12	3/4-16	1 1/8

ALUMINUM - 2024-T6

RIGHT HAND	LEFT HAND	THD. SIZE	HEX SIZE
AJNR06	AJNL06	3/8-24	9/16
AJNR07	AJNL07	7/16-20	11/16
AJNR08	AJNL08	1/2-20	3/4
AJNR10	AJNL10	5/8-18	5/8
AJNR12	AJNL12	3/4-16	1 1/8

SPECIAL PRODUCTS



ALL TYPES OF BEARINGS



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LEGEND CAR CLEVIS



J BAR WELD-IN



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