

Precision Rod Ends & Spherical Bearings



FK BEARINGS



*A TRADEMARK OF FK BEARINGS, INC.

F.K. Bearings came onto the scene quietly over 25 years ago. They did not make a huge splash, but quickly won the customers over with fair pricing and plenty of inventory. While the industrial market struggled to get product from the old stand-bys, the racing market embraced a supplier that would maintain inventory throughout the limited season. To further assure timely delivery and customer's needs, F.K. Bearing has two regional warehouses. Filled to the brim with inventory, these warehouses can offer localized service for emergency orders.

Over the years the F.K. Bearing product line has grown to encompass many different industries. From the wilds of Baja Mexico, to the "good old boys" of NASCAR.... from mowers to care for your lawn, to fitness equipment to groom your body, you'll find F.K. products!

In your hands is our latest offering in an evolving program designed to supply rod end products to users everywhere! You will find rod ends and spherical bearings made from mild steel, chromemoly/alloy steel, aluminum and stainless steel. Special care is taken during every step of the manufacturing process to insure you the highest quality products.

With approximately 10,000 combinations of rod ends and spherical bearings available, you will appreciate the effort that goes into filling each order. Within our state-of-the-art facility, we carefully craft our products, so we are able to say, "Yes, it's in stock" when you call.

CUSTOMER SERVICE

All F.K. Bearings' sales personnel have extensive product training to assist you in the selection of the proper bearing for your application. District sales representatives for F.K. work very closely with inside sales and engineering, to ensure excellent service and on time delivery.

ISO 9001:2008 Registered

In 2010 F.K. Bearings was honored with a ISO 9001:2008 compliance. In today's competitive business environment, effective management systems are indispensable. You can be confident that you are doing business with an organization that can deliver goods and services in a timely manner and that your needs will be met. The ISO 9001:2008 registration ensures that F.K. Bearings does indeed have the systems and infrastructure in place to conduct business effectively. We can deliver what we promise.

Thank you for your interest in F.K. Bearings!



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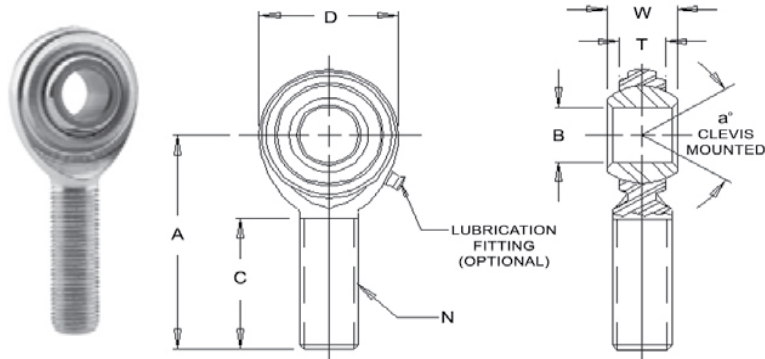
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CM / CF

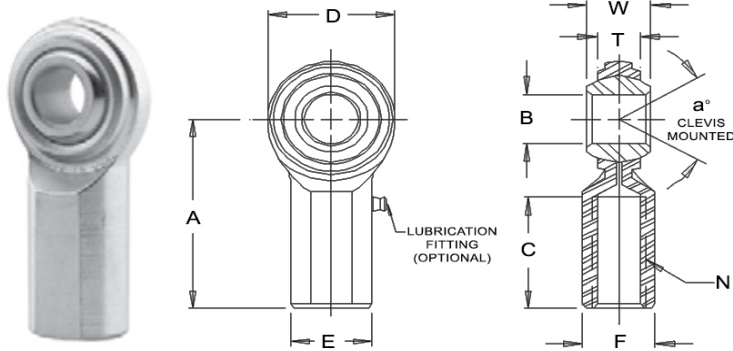
2-PIECE, METAL TO METAL / PTFE LINERS AVAILABLE



MATERIALS

BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN.	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (LBS.)		APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.	METAL TO METAL	PTFE LINED	
CM3*	CML3*	.1900	.625	.312	.234	.437	1.250	10-32	.750	20	1,210	902	.03
CM4*	CML4*	.2500	.750	.375	.250	.500	1.562	1/4-28	1.000	27	2,225	1,809	.04
CM5*	CML5*	.3125	.875	.437	.312	.625	1.875	5/16-24	1.250	22	3,600	2,984	.07
CM6	CML6	.3750	1.000	.500	.359	.719	1.938	3/8-24	1.250	22	5,100	4,244	.11
CM7	CML7	.4375	1.125	.562	.406	.812	2.125	7/16-20	1.375	21	6,402	5,312	.15
CM8	CML8	.5000	1.312	.625	.453	.937	2.438	1/2-20	1.500	20	8,386	7,211	.24
CM10	CML10	.6250	1.500	.750	.484	1.125	2.625	5/8-18	1.625	26	9,813	8,403	.36
CM12	CML12	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	14,290	12,321	.57



*GREASE FITTINGS ARE NOT SUPPLIED ON THESE SIZES.
MALE ROD END LOAD RATINGS BASED ON NO LUBRICATING FITTING.
FOR LOAD RATINGS WITH LUBRICATOR, PLEASE CONTACT THE
F.K. ENGINEERING DEPARTMENT.

MATERIALS

BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN.	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULTI. STATIC RADIAL LOAD (LBS.)	
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.	METAL TO METAL	PTFE LINED
CF3*	CFL3*	.1900	.625	.312	.234	.437	1.062	10-32	.500	.406	.312	20	2,100	1,637
CF4-3	N / A	.2500	.750	.375	.250	.500	1.312	10-32	.687	.468	.375	27	3,250	-
CF4	CFL4	.2500	.750	.375	.250	.500	1.312	1/4-28	.687	.468	.375	27	3,250	2,612
CF5	CFL5	.3125	.875	.437	.312	.625	1.375	5/16-24	.687	.500	.437	22	3,934	3,110
CF6	CFL6	.3750	1.000	.500	.359	.719	1.625	3/8-24	.812	.687	.562	22	5,100	4,206
CF7	CFL7	.4375	1.125	.562	.406	.812	1.812	7/16-20	.937	.750	.625	21	6,420	5,384
CF8	CFL8	.5000	1.312	.625	.453	.937	2.125	1/2-20	1.062	.875	.750	20	9,100	7,826
CF10	CFL10	.6250	1.500	.750	.484	1.125	2.500	5/8-18	1.375	1.000	.875	26	9,800	8,343
CF12	CFL12	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.562	1.125	1.000	24	14,250	12,342

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX. EXAMPLE: CF6Z

FOR STUDS ADD "Y" TO SUFFIX. EXAMPLE: CM10Y

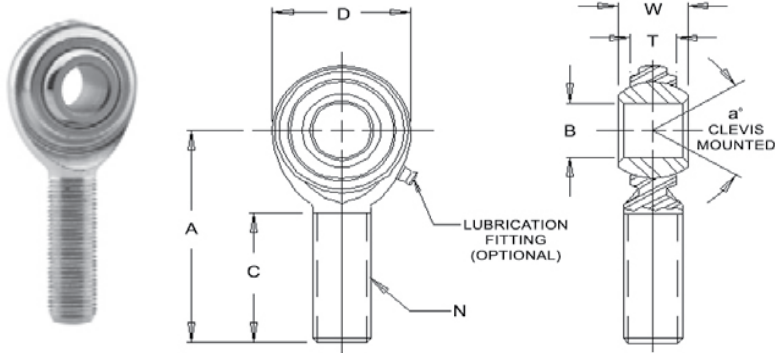
FOR PTFE LINER ADD "T" TO SUFFIX. EXAMPLE: CF8T



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ECM / ECF IMPORT

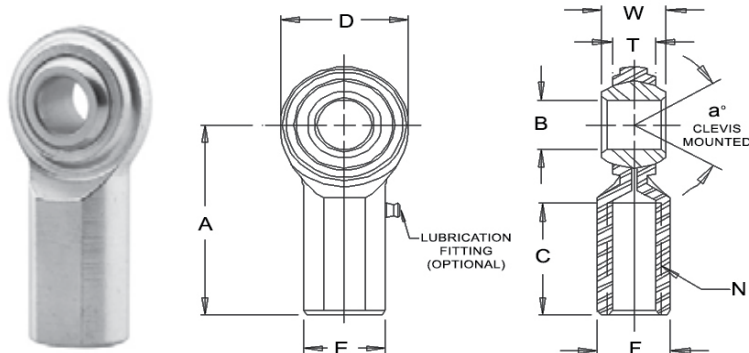
2-PIECE, METAL TO METAL



MATERIALS

BALL	BODY
ALLOY STEEL	LOW CARBON STEEL
HEAT TREATED	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
ECM3*	ECML3*	.1900	.625	.312	.234	.437	1.250	10-32	.750	20	1,210	.03
ECM4*	ECML4*	.2500	.750	.375	.250	.500	1.562	1/4-28	1.000	27	2,225	.04
ECM5*	ECML5*	.3125	.875	.437	.312	.625	1.875	5/16-24	1.250	22	3,600	.07
ECM6	ECML6	.3750	1.000	.500	.359	.719	1.938	3/8-24	1.250	22	5,100	.11
ECM7	ECML7	.4375	1.125	.562	.406	.812	2.125	7/16-20	1.375	21	6,402	.15
ECM8	ECML8	.5000	1.312	.625	.453	.937	2.438	1/2-20	1.500	20	8,386	.24
ECM10	ECML10	.6250	1.500	.750	.484	1.125	2.625	5/8-18	1.625	26	9,813	.36
ECM12	ECML12	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	14,290	.57



*GREASE FITTINGS ARE NOT SUPPLIED ON THESE SIZES.

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATING FITTING.
FOR LOAD RATINGS WITH LUBRICATOR, PLEASE CONTACT THE
F.K. ENGINEERING DEPARTMENT.

MATERIALS

BALL	BODY
ALLOY STEEL	LOW CARBON STEEL
HEAT TREATED	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED

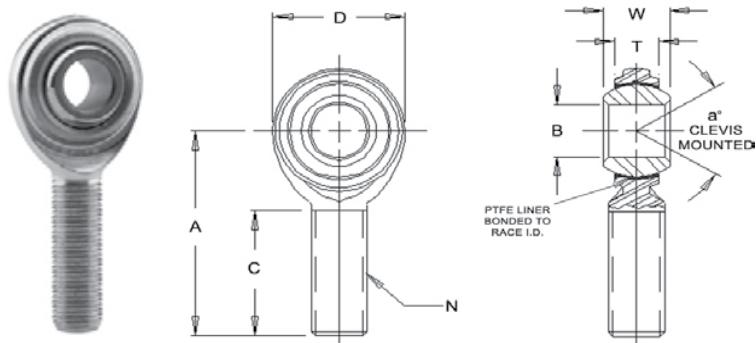
FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
ECF3*	ECFL3*	.1900	.625	.312	.234	.437	1.062	10-32	.500	.406	.312	20	2,100	.04
ECF4	ECFL4	.2500	.750	.375	.250	.500	1.312	1/4-28	.687	.468	.375	27	3,250	.05
ECF5	ECFL5	.3125	.875	.437	.312	.625	1.375	5/16-24	.687	.500	.437	22	3,934	.08
ECF6	ECFL6	.3750	1.000	.500	.359	.719	1.625	3/8-24	.812	.687	.562	22	5,100	.13
ECF7	ECFL7	.4375	1.125	.562	.406	.812	1.812	7/16-20	.937	.750	.625	21	6,420	.18
ECF8	ECFL8	.5000	1.312	.625	.453	.937	2.125	1/2-20	1.062	.875	.750	20	9,100	.29
ECF10	ECFL10	.6250	1.500	.750	.484	1.125	2.500	5/8-18	1.375	1.000	.875	26	9,800	.43
ECF12	ECFL12	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.562	1.125	1.000	24	14,250	.65

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX. EXAMPLE: ECF6Z

SCM-T / SCF-T

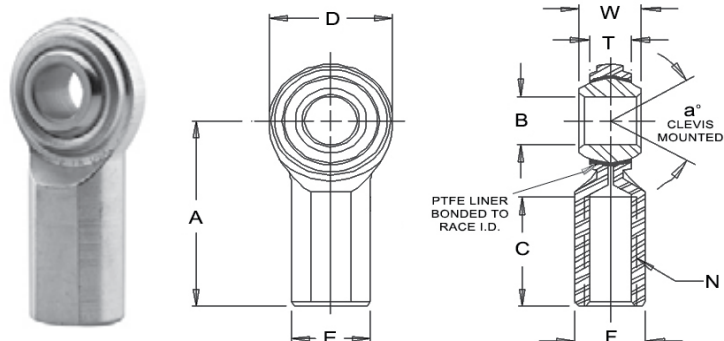
2-PIECE, STAINLESS STEEL, SELF LUBRICATING



MATERIALS

BALL	BODY
440C STAINLESS STEEL HEAT TREATED	303 STAINLESS STEEL PASSIVATED
LINER	
*PTFE FABRIC	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
SCM3T	SCML3T	.1900	.625	.312	.234	.437	1.250	10-32	.750	20	912	.03
SCM4T	SCML4T	.2500	.750	.375	.250	.500	1.562	1/4-28	1.000	27	1,370	.04
SCM5T	SCML5T	.3125	.875	.437	.312	.625	1.875	5/16-24	1.250	22	2,050	.07
SCM6T	SCML6T	.3750	1.000	.500	.359	.719	1.938	3/8-24	1.250	22	3,040	.11
SCM7T	SCML7T	.4375	1.125	.562	.406	.812	2.125	7/16-20	1.375	21	3,780	.15
SCM8T	SCML8T	.5000	1.312	.625	.453	.937	2.438	1/2-20	1.500	20	4,700	.24
SCM10T	SCML10T	.6250	1.500	.750	.484	1.125	2.625	5/8-18	1.625	26	5,860	.36
SCM12T	SCML12T	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	7,512	.57



MATERIALS

BALL	BODY
440C STAINLESS STEEL HEAT TREATED	303 STAINLESS STEEL PASSIVATED
LINER	
*PTFE FABRIC	

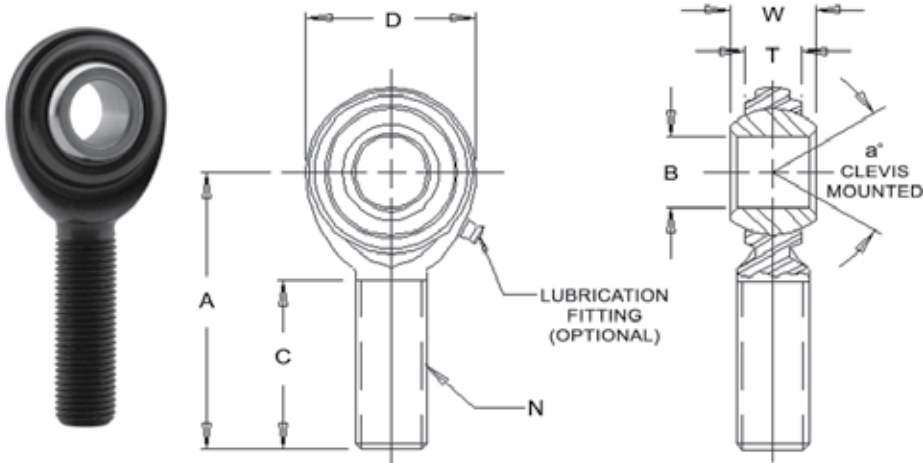
FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
SCF3T	SCFL3T	.1900	.625	.312	.234	.437	1.062	10-32	.500	.406	.312	20	930	.04
SCF4T	SCFL4T	.2500	.750	.375	.250	.500	1.312	1/4-28	.687	.468	.375	27	1,380	.05
SCF5T	SCFL5T	.3125	.875	.437	.312	.625	1.375	5/16-24	.687	.500	.437	22	2,100	.08
SCF6T	SCFL6T	.3750	1.000	.500	.359	.719	1.625	3/8-24	.812	.687	.562	22	3,080	.13
SCF7T	SCFL7T	.4375	1.125	.562	.406	.812	1.812	7/16-20	.937	.750	.625	21	3,790	.18
SCF8T	SCFL8T	.5000	1.312	.625	.453	.937	2.125	1/2-20	1.062	.875	.750	20	4,720	.29
SCF10T	SCFL10T	.6250	1.500	.750	.484	1.125	2.500	5/8-18	1.375	1.000	.875	26	5,870	.43
SCF12T	SCFL12T	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.562	1.125	1.000	24	7,520	.65



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CMX / CFX

2-PIECE, METAL TO METAL, HEAT TREATED, ALLOY STEEL / PTFE LINERS AVAILABLE



MATERIALS

BODY

ALLOY STEEL

HEAT TREATED
BLACK OXIDE TREATED

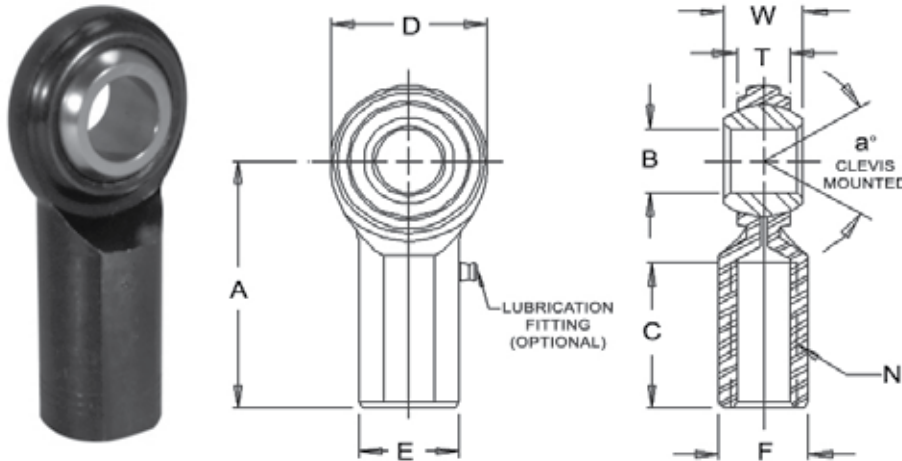
BALL

52100 STEEL
Rc 56 MIN. HARD
HARD CHROME PLATED

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (LBS.)		APPROX. WEIGHT (lbs)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.	METAL TO METAL	PTFE LINED	
CMX8	CMXL8	.5000	1.312	.625	.453	.937	2.438	1/2-20	1.500	20	17,000	14,500	.24
CMX10-8	CMXL10-8	.5000	1.500	.750	.484	1.125	2.625	5/8-18	1.625	26	18,000	15,200	.30
CMX10	CMXL10	.6250	1.500	.750	.484	1.125	2.625	5/8-18	1.625	26	18,000	15,200	.36
CMX12-8	CMXL12-8	.5000	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	25,000	21,400	.57
CMX12-10	CMXL12-10	.6250	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	25,000	21,400	.57
CMX12	CMXL12	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.750	24	25,000	21,400	.57

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATING FITTING. FOR LOAD RATING WITH LUBRICATOR, PLEASE CONTACT THE FK. ENGINEERING DEPARTMENT.

NOTE: FOR PTFE LINER ADD "T" TO SUFFIX. **EXAMPLE:** CMX12T



MATERIALS

BODY

ALLOY STEEL
HEAT TREATED
BLACK OXIDE TREATED

BALL

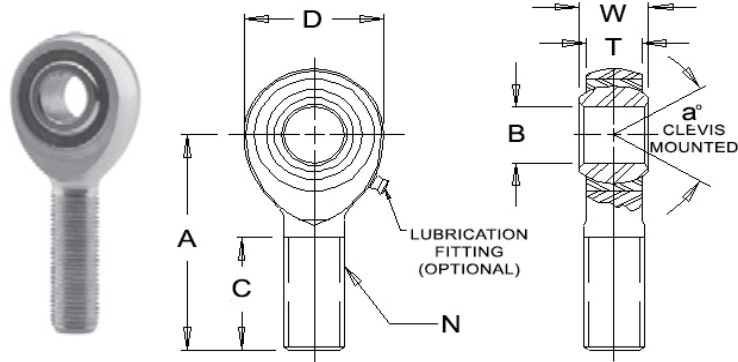
52100 STEEL
Rc 56 MIN. HARD
HARD CHROME PLATED

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANGLE	ULTI. STATIC RADIAL LOAD (LBS.)	
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	REF.	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.	METAL TO METAL	PTFE LINED
CFX8	CFXL8	.5000	1.312	.625	.453	.937	2.125	1/2-20	1.062	.875	.750	20	17,000	14,500
CFX10	CFXL10	.6250	1.500	.750	.484	1.125	2.500	5/8-18	1.375	1.000	.875	26	18,000	15,200
CFX12	CFXL12	.7500	1.750	.875	.593	1.312	2.875	3/4-16	1.562	1.125	1.000	24	25,000	21,400

NOTE: FOR PTFE LINER ADD "T" TO SUFFIX. **EXAMPLE:** CMX12T

NJM / NJF

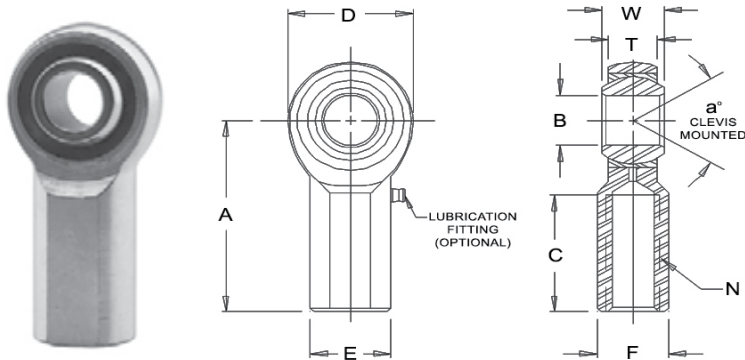
3-PIECE, PRECISION - WEAR RESISTENT, PLASTIC RACE ROD ENDS



MATERIALS

BALL	BODY
LOW CARBON STEEL	LOW CARBON STEEL
CASE HARDENED	ZINC PLATED
ZINC PLATED	CHROMATE TREATED
RACE	
PTFE LUBRICATED, FIBER REINFORCED ENGINEERING PLASTIC	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
NJM3	NJML3	.1900	.625	.312	.250	.437	1.250	10-32	.750	13	1,174	.03
NJM4	NJML4	.2500	.750	.375	.281	.500	1.562	1/4-28	1.000	16	2,168	.04
NJM5	NJML5	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	2,796	.07
NJM6	NJML6	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	4,012	.11
NJM7	NJML7	.4375	1.125	.562	.437	.812	2.125	7/16-20	1.375	14	4,244	.16
NJM8	NJML8	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	6,453	.25
NJM10	NJML10	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	7,400	.38
NJM12	NJML12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	10,937	.60



MATERIALS

BALL	BODY
LOW CARBON STEEL	LOW CARBON STEEL
CASE HARDENED	ZINC PLATED
ZINC PLATED	CHROMATE TREATED
RACE	
PTFE LUBRICATED, FIBER REINFORCED ENGINEERING PLASTIC	

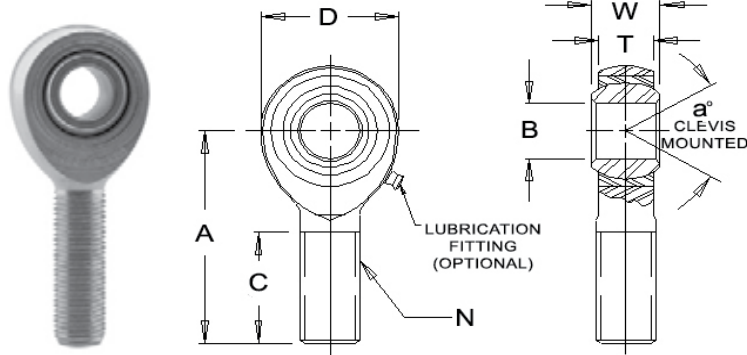
FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
NJF3	NJFL3	.1900	.625	.312	.250	.437	1.062	10-32	.500	.406	.312	13	1,220	.04
NJF4	NJFL4	.2500	.750	.375	.281	.500	1.312	1/4-28	.687	.469	.375	16	2,500	.06
NJF5	NJFL5	.3125	.875	.437	.344	.625	1.375	5/16-24	.687	.500	.437	14	2,753	.09
NJF6	NJFL6	.3750	1.000	.500	.406	.719	1.625	3/8-24	.812	.687	.562	12	3,950	.15
NJF7	NJFL7	.4375	1.125	.562	.437	.812	1.812	7/16-20	.937	.750	.625	14	4,300	.20
NJF8	NJFL8	.5000	1.312	.625	.500	.937	2.125	1/2-20	1.062	.875	.750	12	6,453	.33
NJF10	NJFL10	.6250	1.500	.750	.562	1.125	2.500	5/8-18	1.375	1.000	.875	16	7,400	.48
NJF12	NJFL12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.562	1.125	1.000	14	10,937	.72

NOTE:

FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** NJM6Y

M-SB / F-SB

3-PIECE, COMMERCIAL, SINTERED BRONZE

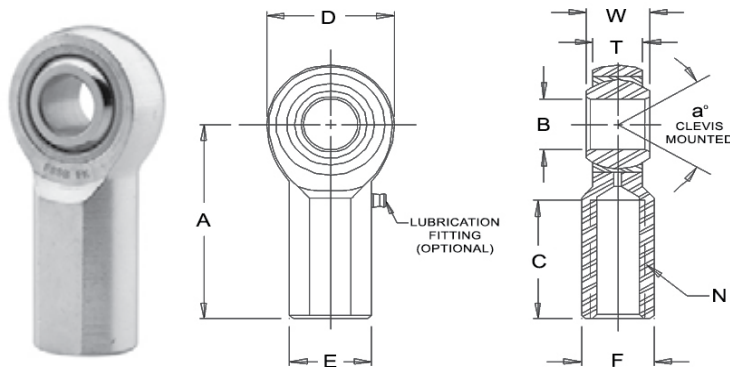


MATERIALS

BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN. HARD	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	
SINTERED PHOSPHOR BRONZE	
OIL IMPREGNATED	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
M3SB	ML3SB	.1900	.625	.312	.250	.437	1.250	10-32	.750	13	1,174	.03
M4SB	ML4SB	.2500	.750	.375	.281	.500	1.562	1/4-28	1.000	16	2,168	.04
M5SB	ML5SB	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	2,796	.07
M6SB	ML6SB	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	4,012	.11
M7SB	ML7SB	.4375	1.125	.562	.437	.812	2.125	7/16-20	1.375	14	4,244	.16
M8SB	ML8SB	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	6,700	.25
M10SB	ML10SB	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	7,400	.38
M12SB	ML12SB	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	11,550	.60

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATING FITTING.
FOR LOAD RATINGS WITH LUBRICATOR, PLEASE CONTACT THE
F.K. ENGINEERING DEPARTMENT.



MATERIALS

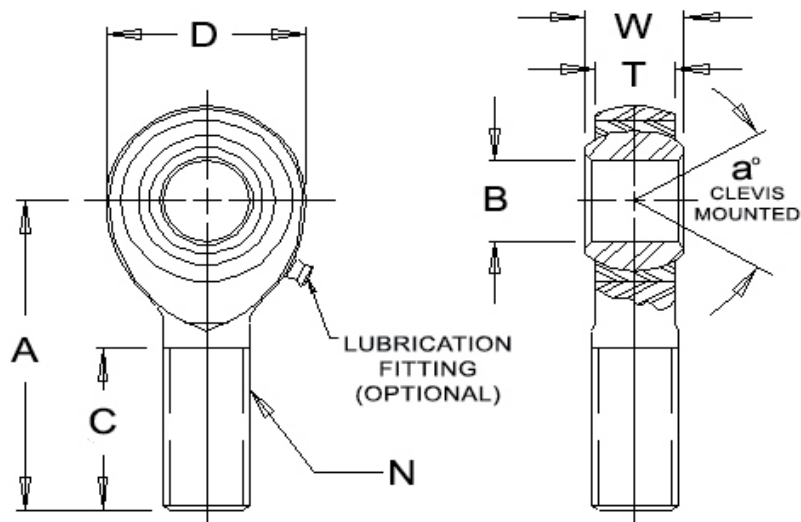
BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN. HARD	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	
SINTERED PHOSPHOR BRONZE	
OIL IMPREGNATED	

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
F3SB	FL3SB	.1900	.625	.312	.250	.437	1.062	10-32	.500	.406	.312	13	1,624	.04
F4SB	FL4SB	.2500	.750	.375	.281	.500	1.312	1/4-28	.687	.468	.375	16	2,545	.06
F5SB	FL5SB	.3125	.875	.437	.344	.625	1.375	5/16-24	.687	.500	.437	14	3,200	.09
F6SB	FL6SB	.3750	1.000	.500	.406	.719	1.625	3/8-24	.812	.687	.562	12	3,950	.15
F7SB	FL7SB	.4375	1.125	.562	.437	.812	1.812	7/16-20	.937	.750	.625	14	4,300	.20
F8SB	FL8SB	.5000	1.312	.625	.500	.937	2.125	1/2-20	1.062	.875	.750	12	6,700	.33
F10SB	FL10SB	.6250	1.500	.750	.562	1.125	2.500	5/8-18	1.375	1.000	.875	16	7,400	.48
F12SB	FL12SB	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.562	1.125	1.000	14	11,550	.72

NOTE:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** M6SBZ

FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** FL12SBY



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.010 -0.010	+0.000 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
JM2*	JML2*	.1250	.500	.250	.187	.312	.937	6-32 UNC	.562	16	500	.013
JM3	JML3	.1900	.625	.312	.250	.437	1.250	10-32	.750	13	1,174	.03
JM4	JML4	.2500	.750	.375	.281	.500	1.562	1/4-28	1.000	16	2,168	.04
JM5	JML5	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	2,796	.07
JM6	JML6	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	4,012	.11
JM7	JML7	.4375	1.125	.562	.437	.812	2.125	7/16-20	1.375	14	4,244	.16
JM8	JML8	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	6,700	.25
JM10	JML10	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	7,400	.38
JM12	JML12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	11,550	.60
JM16**	JML16	1.0000	2.950	1.375	1.015	1.875	4.500	1-1/4-12	2.125	17	43,555	2.736
JM16-1**	JML16-1**	1.0000	2.950	1.375	1.015	1.875	4.500	1-14	2.125	17	43,555	2.464
JM16-2**	JML16-2**	1.0000	2.950	1.375	1.015	1.875	4.500	1-12	2.125	17	43,555	2.464

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT THE F.K. ENGINEERING DEPARTMENT.

*GREASE FITTINGS & PTFE LINERS NOT AVAILABLE.

** TOLERANCE VARIATION: "D", "A" ARE +/- .020

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: JM6Z

FOR STUDS ADD "Y" TO SUFFIX.

EXAMPLE: JM5Y

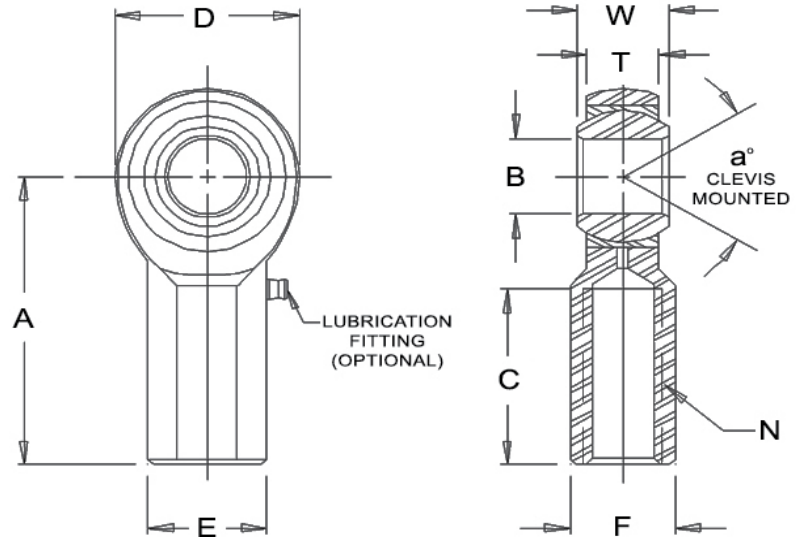
FOR PTFE LINER ADD "T" TO SUFFIX

EXAMPLE: JM12T

BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN. HARD	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

JF / JFL

3-PIECE, PRECISION-WEAR RESISTANT / PTFE LINERS AVAILABLE



FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
JF2*	JFL2*	.1250	.500	.250	.187	.312	.812	6-32UNC	.437	.312	.250	16	1,210	.019
JF3	JFL3	.1900	.625	.312	.250	.437	1.062	10-32	.500	.406	.312	13	1,624	.04
JF4	JFL4	.2500	.750	.375	.281	.500	1.312	1/4-28	.687	.469	.375	16	2,545	.06
JF5	JFL5	.3125	.875	.437	.344	.625	1.375	5/16-24	.687	.500	.437	14	3,200	.09
JF6	JFL6	.3750	1.000	.500	.406	.719	1.625	3/8-24	.812	.687	.562	12	3,950	.15
JF7	JFL7	.4375	1.125	.562	.437	.812	1.812	7/16-20	.937	.750	.625	14	4,300	.20
JF8	JFL8	.5000	1.312	.625	.500	.937	2.125	1/2-20	1.062	.875	.750	12	6,700	.33
JF10	JFL10	.6250	1.500	.750	.562	1.125	2.500	5/8-18	1.375	1.000	.875	16	7,400	.48
JF12	JFL12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.562	1.125	1.000	14	11,550	.72
JF16**	JFL16**	1.0000	2.750	1.375	1.000	1.875	4.125	1-1/4-12	2.125	1.625	1.500	17	40,893	2.125
JF16-1**	JFL16-1**	1.0000	2.750	1.375	1.000	1.875	4.125	1-14	2.125	1.625	1.500	17	43,555	2.410
JF16-2**	JFL16-2**	1.0000	2.750	1.375	1.000	1.875	4.125	1-12	2.125	1.625	1.500	17	43,555	2.410

*GREASE FITTINGS & PTFE LINERS NOT AVAILABLE.

** TOLERANCE VARIATION: "D", "A" ARE +/- .020

BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN. HARD	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: JF6Z

FOR STUDS ADD "Y" TO SUFFIX.

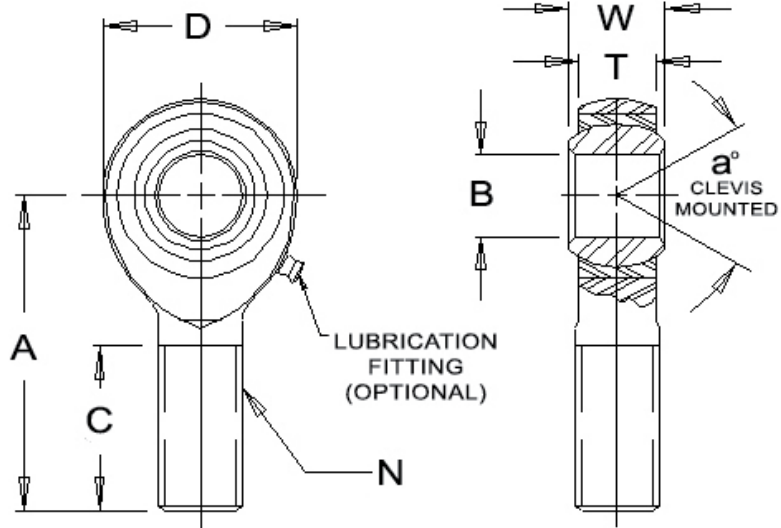
EXAMPLE: JF5Y

FOR PTFE LINER ADD "T" TO SUFFIX.

EXAMPLE: JF12T

JMX / JMXL

3-PIECE, PRECISION - HIGH STRENGTH ALLOY / PTFE LINERS AVAILABLE



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
JMX3	JMXL3	.1900	.625	.312	.250	.437	1.250	10-32	.750	13	2,855	.03
JMX4	JMXL4	.2500	.750	.375	.281	.500	1.562	1/4-28	1.000	16	5,262	.04
JMX5	JMXL5	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	7,640	.07
JMX6	JMXL6	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	9,550	.11
JMX7	JMXL7	.4375	1.125	.562	.437	.812	2.125	7/16-20	1.375	14	10,290	.16
JMX8	JMXL8	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	16,242	.25
JMX8-6	JMXL8-6	.3750	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	16,242	.25
JMX10	JMXL10	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	17,959	.38
JMX12	JMXL12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	28,090	.60
JMX14	JMXL14	.8750	2.000	.875	.687	1.312	3.375	7/8-14	1.875	12	55,690	.91
JMX14T-770	JMXL14T-770	.8750	2.000	.875	.770	1.375	3.375	7/8-14	1.875	12	45,051	.91
JMX16**	JMXL16**	1.0000	2.950	1.375	1.015	1.875	4.500	1-1/4-12	2.500	17	107,182	2.736
JMX16-1**	JMXL16-1**	1.0000	2.950	1.375	1.015	1.875	4.500	1-14	2.500	17	107,182	2.464

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT THE F.K. ENGINEERING DEPARTMENT.

** TOLERANCE VARIATION: "D", "A" ARE +/- .020

BALL	BODY
52100 STEEL	STEEL ALLOY, HEAT TREATED, ZINC PLATED
Rc 56 MIN. HARD	CHROMATE TREATED
HARD CHROME PLATED	
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: JMX6Z

FOR STUDS ADD "Y" TO SUFFIX.

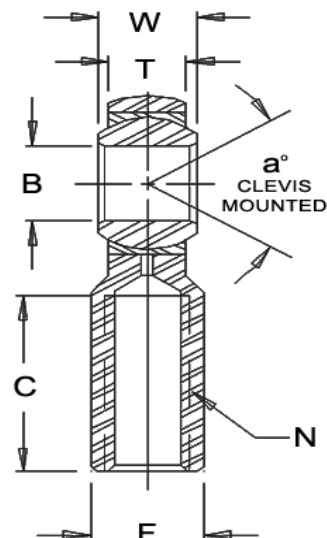
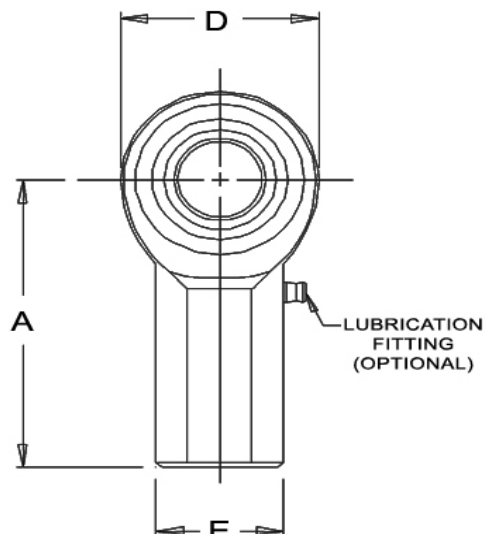
EXAMPLE: JMX5Y

FOR PTFE LINER ADD "T" TO SUFFIX.

EXAMPLE: JMX12T



fkrodends.com



FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
JFX3	JFXL3	.1900	.625	.312	.250	.437	1.062	10-32	.562	.406	.312	13	3,736	.04
JFX4	JFXL4	.2500	.750	.375	.281	.500	1.312	1/4-28	.750	.469	.375	16	6,195	.06
JFX5	JFXL5	.3125	.875	.437	.344	.625	1.375	5/16-24	.750	.500	.437	14	7,640	.09
JFX6	JFXL6	.3750	1.000	.500	.406	.719	1.625	3/8-24	.937	.687	.562	12	9,550	.15
JFX7	JFXL7	.4375	1.125	.562	.437	.812	1.812	7/16-20	1.062	.750	.625	14	10,290	.20
JFX8	JFXL8	.5000	1.312	.625	.500	.937	2.125	1/2-20	1.187	.875	.750	12	15,340	.33
JFX10	JFXL10	.6250	1.500	.750	.562	1.125	2.500	5/8-18	1.500	1.000	.875	16	17,959	.48
JFX12	JFXL12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	1.125	1.000	14	28,090	.72
JFX14	JFXL14	.8750	2.000	.875	.770	1.375	3.375	7/8-14	1.875	1.300	1.125	7	45,051	1.03
JFX16**	JFXL16**	1.0000	2.750	1.375	1.000	1.875	4.125	1-1/4-12	2.125	1.625	1.500	17	76,205	2.125
JFX16-1**	JFXL16-1*	1.0000	2.750	1.375	1.000	1.875	4.125	1-14	2.125	1.625	1.500	17	76,205	2.125
JFX24-1**	JFXL24-1*	1.5000	3.500	1.312	1.125	2.155	5.375	1 1/2-12	2.625	2.250	2.000	6.5	138,800	6.50

** TOLERANCE VARIATION: "D", "A" ARE +/- .020

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: JFX6Z

FOR STUDS ADD "Y" TO SUFFIX.

EXAMPLE: JFX5Y

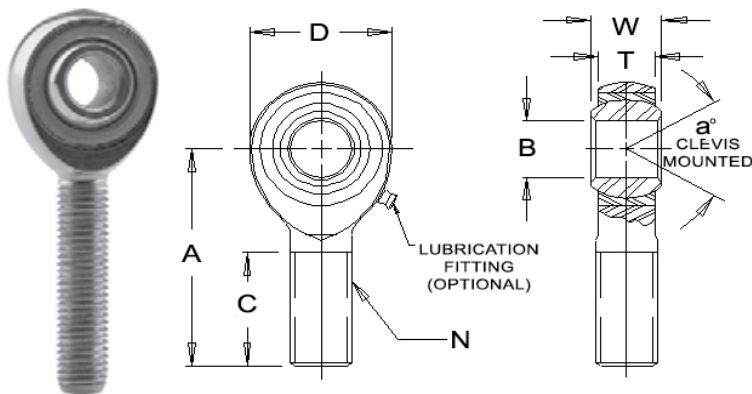
FOR PTFE LINER ADD "T" TO SUFFIX

EXAMPLE: JFX12T

BALL	BODY
52100 STEEL	STEEL ALLOY, HEAT TREATED, ZINC PLATED
Rc 56 MIN. HARD	CHROMATE TREATED
HARD CHROME PLATED	
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

RJM / RJF

3-PIECE, PRECISION - CHROME PLATED / PTFE LINERS AVAILABLE



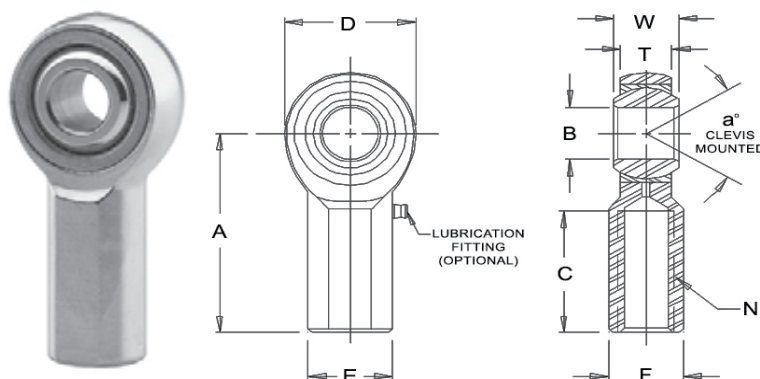
MATERIALS

BALL	BODY
52100 STEEL Rc 56 MIN. HARD CHROME PLATED	LOW CARBON STEEL DECORATIVE CHROME PLATED

RACE

STEEL ALLOY
HEAT TREATED
ZINC PLATED, CHROMATE TREATED

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
RJM4	RJML4	.2500	.750	.375	.281	.500	1.562	1/4-28	1.000	16	2,168	.04
RJM5	RJML5	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	2,796	.07
RJM6	RJML6	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	4,012	.11



MATERIALS

BALL	BODY
52100 STEEL Rc 56 MIN. HARD CHROME PLATED	LOW CARBON STEEL DECORATIVE CHROME PLATED

RACE

STEEL ALLOY
HEAT TREATED
ZINC PLATED, CHROMATE TREATED

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
RJF4	RJFL4	.2500	.750	.375	.281	.500	1.312	1/4-28	.687	.468	.375	16	2,545	.06
RJF5	RJFL5	.3125	.875	.437	.344	.625	1.375	5/16-24	.687	.500	.437	14	3,200	.09
RJF6	RJFL6	.3750	1.000	.500	.406	.719	1.625	3/8-24	.812	.687	.562	12	3,950	.15

NOTES:

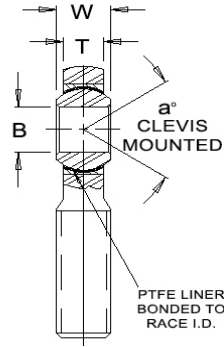
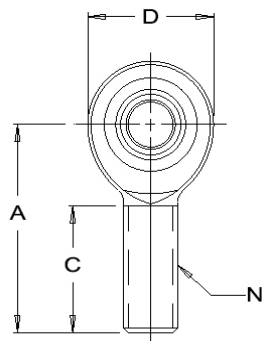
FOR PTFE LINER ADD "T" TO SUFFIX.

EXAMPLE: RJF5T



RJMX-T

3-PIECE, HEAVY DUTY / EXTRA HEAVY DUTY WITH PTFE LINER



MATERIALS

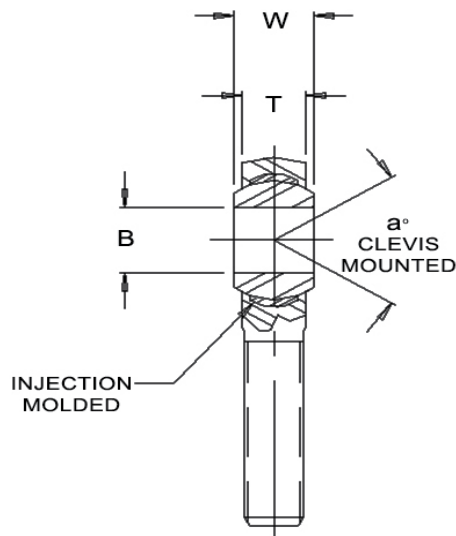
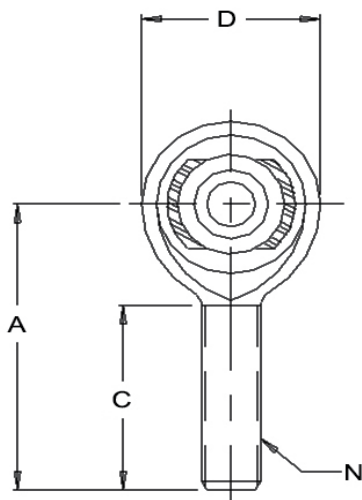
BALL	BODY
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	STEEL ALLOY, HEAT TREATED BRIGHT ELECTROLESS NICKEL OR HARD CHROME PLATED
RACE	LINER
STEEL ALLOY HEAT TREATED ZINC PLATED, CHROMATE TREATED	PTFE FABRIC

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
RJMX5T	RJMXL5T	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	7,640	.07
RJMX6T	RJMXL6T	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	9,550	.112
RJMX7T	RJMXL7T	.4375	1.125	.562	.437	.812	2.125	7/16-20	1.375	14	10,290	.160
RJMX8T	RJMXL8T	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	16,242	.249
RJMX10T	RJMXL10T	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	17,959	.382
RJMX12T	RJMXL12T	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	28,090	.602



KMX / KMXL *IMPORT*

3-PIECE, ALLOY STEEL, HEAT TREATED - NYLON RACE



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs)	APPROX. WEIGHT (lbs)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	+0.005 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
KMX5	KMXL5	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	7,600	0.07
KMX6-5	KMXL6-5	.3125	.875	.437	.344	.625	1.875	3/8-24	1.250	14	7,600	0.07
KMX6	KMXL6	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	9,500	0.11
KMX8	KMXL8	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	12,696	.24
KMX10-8	KMXL10-8	.5000	1.500	.625	.500	.937	2.625	5/8-18	1.625	12	19,960	.36
KMX10	KMXL10	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	14,480	.36
KMX12-8	KMXL12-8	.5000	1.750	.750	.562	1.125	2.875	3/4-16	1.750	14	23,256	.57
KMX12-10	KMXL12-10	.6250	1.750	.750	.562	1.125	2.875	3/4-16	1.750	14	23,256	.57
KMX12	KMXL12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	23,192	.57
KMX14	KMXL14	.8750	2.000	.875	.770	1.375	3.375	7/8-14	2.000	12	45,051	.88
KMX16	KMXL16	1.0000	2.750	1.375	1.000	1.875	4.125	1.250-12	2.125	17	76,200	2.41

MATERIALS

BALL	BODY
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	ALLOY STEEL, HEAT TREATED CHROME PLATED
RACE	
NYLON 10 OR EQUIVALENT	

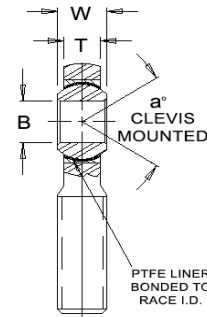
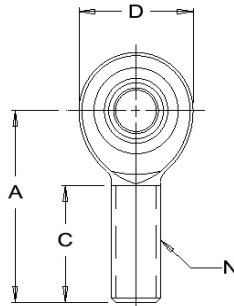
NOTES:

FOR STUDS ADD "Y" TO SUFFIX.

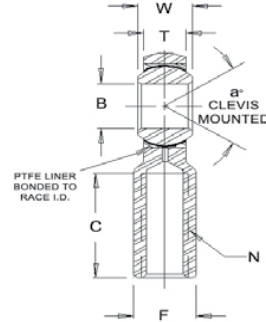
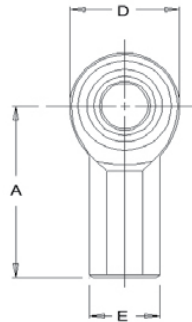
EXAMPLE: KMX10Y

SJM-T / SRSM-T / SJF-T

3-PIECE, PRECISION - STAINLESS STEEL, HIGH STRENGTH, SELF LUBRICATING



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0000 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.010 -0.010	UNF 3A	+0.031 -0.031	REF.		
SJM4T	SJML4T	.2500	.806	.437	.337	.531	1.562	1/4-28	.968	11	4,874	.072
SJM5T	SJML5T	.3125	.900	.437	.344	.625	1.875	5/16-24	1.187	11	7,196	.087
SJM6T	SJML6T	.3750	1.025	.500	.416	.687	1.938	3/8-24	1.187	11	8,580	.136
SRSM6T	SRSML6T	.3750	1.150	.500	.416	.687	2.125	7/16-20	1.375	11	17,610	.160
SJM7T	SJML7T	.4375	1.150	.562	.452	.781	2.125	7/16-20	1.281	13	12,000	.183
SRSM7T	SRSML7T	.4375	1.337	.562	.452	.781	2.438	1/2-20	1.500	13	23,470	.249
SJM8T	SJML8T	.5000	1.337	.625	.515	.875	2.438	1/2-20	1.468	11	19,520	.278
SRSM8T	SRSML8T	.5000	1.525	.625	.515	.875	2.625	5/8-18	1.625	11	33,172	.382
SJM10T	SJML10T	.6250	1.525	.750	.577	1.062	2.625	5/8-18	1.562	14	21,920	.424
SRSM10T	SRSML10T	.6250	1.775	.750	.577	1.062	2.875	3/4-16	1.750	14	40,507	.602
SJM12T	SJML12T	.7500	1.775	.875	.640	1.250	2.875	3/4-16	1.687	17	29,310	.639



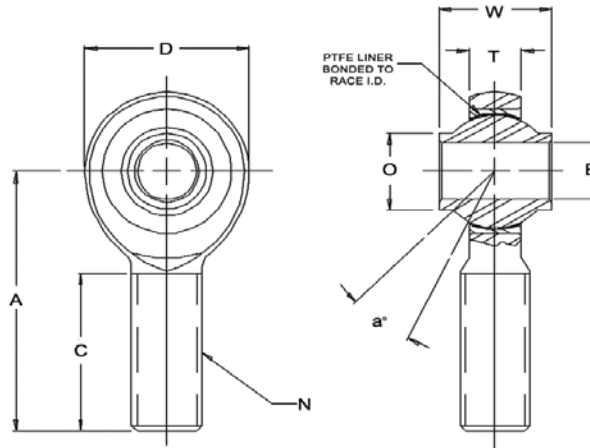
FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
SJF4T	SJFL4T	.2500	.806	.375	.281	.500	1.312	1/4-28	.750	.469	.375	16	4,795	.059
SJF5T	SJFL5T	.3125	.900	.437	.344	.625	1.375	5/16-24	.750	.500	.437	14	5,929	.092
SJF6T	SJFL6T	.3750	1.025	.500	.406	.719	1.625	3/8-24	.937	.687	.562	12	7,363	.152
SJF7T	SJFL7T	.4375	1.150	.562	.437	.812	1.812	7/16-20	1.062	.750	.625	14	7,934	.198
SJF8T	SJFL8T	.5000	1.337	.625	.500	.937	2.125	1/2-20	1.187	.875	.750	12	12,527	.329
SJF10T	SJFL10T	.6250	1.525	.750	.562	1.125	2.500	5/8-18	1.500	1.000	.875	16	13,851	.477
SJF12T	SJFL12T	.7500	1.775	.875	.687	1.312	2.875	3/4-16	1.750	1.125	1.000	14	21,664	.723

MATERIALS

BALL	BODY	RACE	LINER
440C CRES STAINLESS STEEL HEAT TREATED	17-4PH CRES STAINLESS STEEL HEAT TREATED	17-4PH CRES STAINLESS STEEL HEAT TREATED	PTFE FABRIC

HJMX-T / HRSMX-T / HIN-T

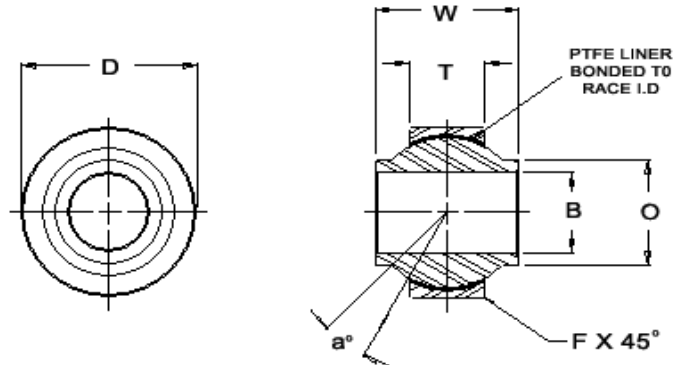
HIGH MISALIGNMENT SERIES - MALE ROD ENDS AND SPHERICAL BEARINGS - HEAVY DUTY



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	O DIA.	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs)	APPROX. WEIGHT (lbs)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.031 -0.031	REF.	REF.		
HRSMX4T	HRSMXL4T	.2500	1.025	.593	.265	.593	1.938	3/8-24	1.187	.390	23	10,790	.12
HJMX6T	HJMXL6T	.3750	1.150	.813	.355	.781	2.125	3/8-24	1.281	.512	22	11,390	.12
HRSMX6T	HRSMXL6T	.3750	1.150	.813	.355	.781	2.125	7/16-20	1.281	.512	22	11,789	.15
HJMX7T	HJMXL7T	.4375	1.337	.875	.355	.875	2.438	7/16-20	1.468	.618	21	15,716	.23
HRSMX7T	HRSMXL7T	.4375	1.337	.875	.355	.875	2.438	1/2-20	1.468	.618	21	17,100	.24
HJMX8T	HJMXL8T	.5000	1.525	.937	.411	1.000	2.625	1/2-20	1.562	.730	19	23,703	.33
HRSMX8T	HRSMXL8T	.5000	1.525	.937	.411	1.000	2.625	5/8-18	1.562	.730	19	23,703	.39
HJMX10T	HJMXL10T	.6250	1.775	1.200	.577	1.250	2.875	5/8-18	1.687	.856	19	28,109	.57
HRSMX10T	HRSMXL10T	.6250	1.775	1.200	.577	1.250	2.875	3/4-16	1.687	.856	19	32,100	.60
HJMX12T	HJMXL12T	.7500	2.025	1.280	.630	1.375	3.375	3/4-16	2.000	.970	18	38,701	.82
HRSMX12T	HRSMXL12T	.7500	2.025	1.280	.630	1.375	3.375	7/8-14	2.000	.970	18	38,701	.89

MATERIALS

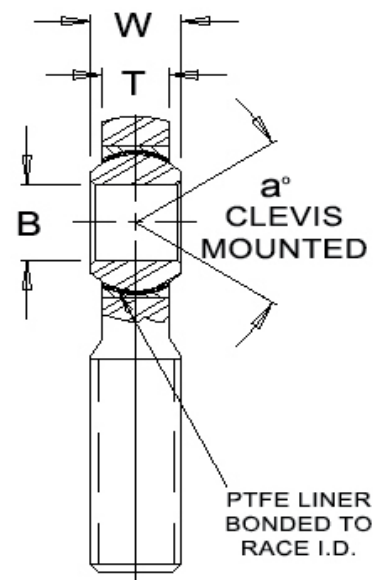
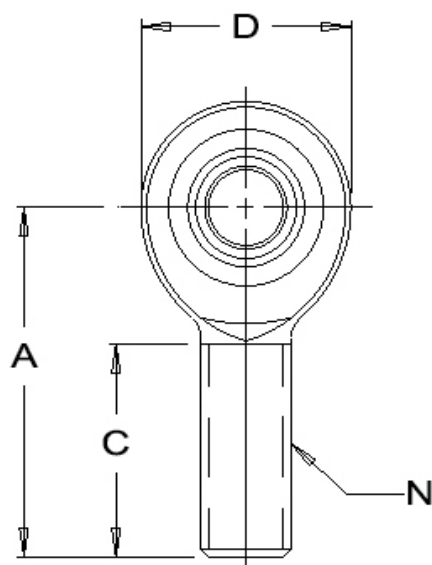
BALL	BODY
52100 STEEL	4340 STEEL, HEAT TREATED
HEAT TREATED	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	LINER
STEEL ALLOY	PTFE FABRIC
ZINC PLATED	
CHROMATE TREATED	



BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD (lbs)	APPROX. WEIGHT (lbs)
	+0.0015 -0.0005	+0.0000 -0.0005	+0.000 -0.005	+0.005 -0.005	REF.	REF.	REF.	REF.		
HIN4T	.2500	.7400	.593	.255	.390	.593	.020	24	7,560	.040
HIN6T	.3750	.9060	.813	.345	.512	.781	.030	23	16,983	.068
HIN7T	.4375	1.0000	.875	.345	.618	.875	.030	22	19,023	.095
HIN8T	.5000	1.1250	.937	.401	.730	1.000	.030	20	25,275	.160
HIN10T	.6250	1.3750	1.200	.567	.856	1.250	.030	20	44,652	.245
HIN12T	.7500	1.5625	1.280	.620	.970	1.375	.035	18	53,716	.315

PMX-T / PMXL-T

3-PIECE PERFORMANCE RACING, STAINLESS STEEL RACE, WEAR RESISTANT, SELF LUBRICATING



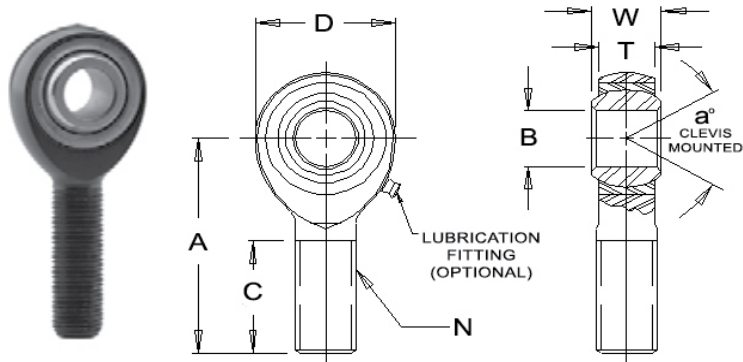
MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.010 -0.010	UNF 3A	+0.031 -0.031	REF.		
PMX5T	PMXL5T	.3125	.900	.437	.327	.593	1.875	5/16-24	1.187	14	8,302	.08
PMX6T	PMXL6T	.3750	1.025	.500	.416	.687	1.938	3/8-24	1.187	8	10,940	.13
PMX7T	PMXL7T	.4375	1.150	.562	.452	.781	2.125	7/16-20	1.281	10	14,052	.18
PMX8T	PMXL8T	.5000	1.337	.625	.515	.875	2.438	1/2-20	1.468	9	23,314	.27
PMX10T	PMXL10T	.6250	1.525	.750	.577	1.062	2.625	5/8-18	1.562	12	25,900	.42
PMX12T	PMXL12T	.7500	1.775	.875	.640	1.250	2.875	3/4-16	1.687	13	34,322	.63

MATERIALS

BALL	BODY	RACE	LINER
440C STAINLESS STEEL OR 52100 STEEL HEAT TREATED R/C 56 MIN. HARD CHROME PLATED MANUFACTURER'S OPTION	4340 STEEL HEAT TREATED ZINC PLATED CHROMATE TREATED	17-4PH CRES STAINLESS STEEL HEAT TREATED	PTFE FABRIC

ALJM / ALJM-H / ALJF

3-PIECE, ALUMINUM SERIES / PTFE LINERS AVAILABLE

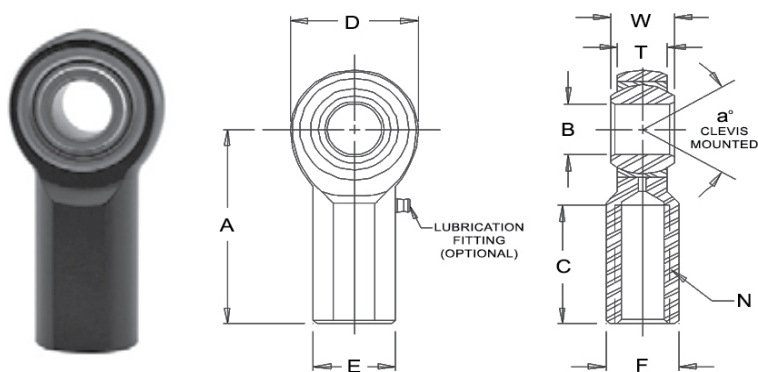


MATERIALS

BALL	BODY
52100 STEEL	ALUMINUM
HEAT TREATED	7075-T6
HARD CHROME PLATED	HARD ANODIZED RED
RACE	
ALLOY STEEL, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
ALJM3	ALJML3	.1900	.625	.312	.250	.437	1.250	10-32	.750	13	1,360	.022
ALJM4	ALJML4	.2500	.750	.375	.281	.500	1.562	1/4-28	1.000	16	2,465	.034
ALJM5	ALJML5	.3125	.875	.437	.344	.625	1.875	5/16-24	1.250	14	2,850	.050
ALJM6	ALJML6	.3750	1.000	.500	.406	.719	1.938	3/8-24	1.250	12	4,208	.078
ALJM7	ALJML7	.4375	1.125	.562	.437	.812	2.125	7/16-20	1.375	14	4,534	.091
ALJM8	ALJML8	.5000	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	7,698	.140
ALJM8H	ALJML8H	.5000	1.500	.625	.500	.937	2.625	1/2-20	1.562	12	10,150	.140
ALJM8-6	ALJML8-6	.3750	1.312	.625	.500	.937	2.438	1/2-20	1.500	12	7,698	.140
ALJM10	ALJML10	.6250	1.500	.750	.562	1.125	2.625	5/8-18	1.625	16	8,516	.240
ALJM10H	ALJML10H	.6250	1.750	.750	.562	1.125	2.625	5/8-18	1.625	16	16,200	.268
ALJM12	ALJML12	.7500	1.750	.875	.687	1.312	2.875	3/4-16	1.750	14	13,319	.300
ALJM12H	ALJML12H	.7500	2.000	.875	.687	1.312	3.000	3/4-16	1.750	14	23,390	.300

MALE ROD END LOAD RATINGS BASED ON NO LUBRICATING FITTING.
FOR LOAD RATINGS WITH LUBRICATOR, PLEASE CONTACT THE
F.K. ENGINEERING DEPARTMENT.



MATERIALS

BALL	BODY
52100 STEEL	ALUMINUM
HEAT TREATED	7075-T6
HARD CHROME PLATED	HARD ANODIZED RED
RACE	
ALLOY STEEL, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.015 -0.015	REF.	+0.015 -0.015	UNF 2B	+0.062 -0.031	+0.010 -0.010	+0.010 -0.010	REF.		
ALJF3	ALJFL3	.1900	.625	.312	.250	.437	1.062	10-32	.500	.406	.312	13	1,360	.022
ALJF4	ALJFL4	.2500	.750	.375	.281	.500	1.312	1/4-28	.687	.469	.375	16	2,592	.034
ALJF5	ALJFL5	.3125	.875	.437	.344	.625	1.375	5/16-24	.687	.500	.437	14	2,890	.050
ALJF6	ALJFL6	.3750	1.000	.500	.406	.719	1.625	3/8-24	.812	.687	.562	12	3,952	.088
ALJF8	ALJFL8	.5000	1.312	.625	.500	.937	2.125	1/2-20	1.062	.875	.750	12	7,006	.186

NOTE:

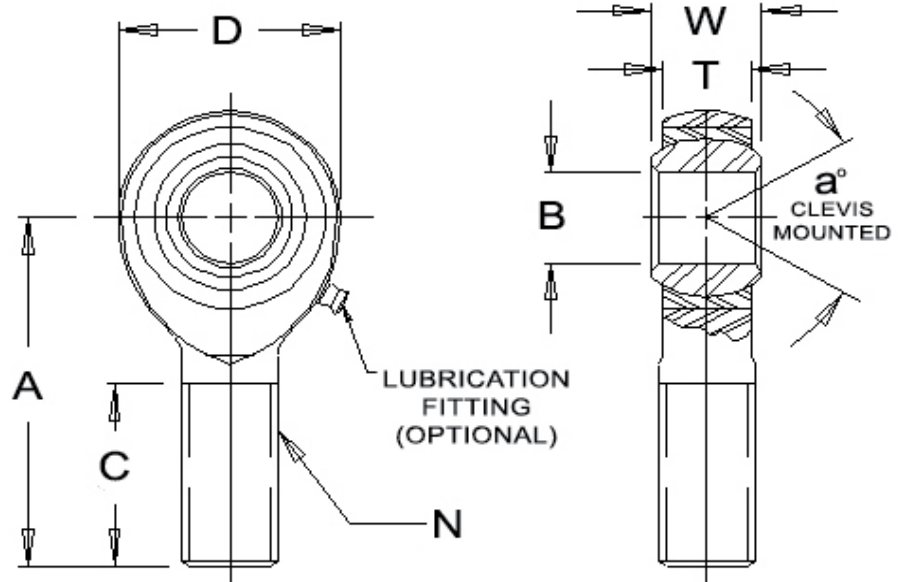
FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE:** ALJF6Z

FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE:** ALJF8Y

FOR PTFE LINER ADD "T" TO SUFFIX. **EXAMPLE:** ALJM12T

ALRSM / ALRSM L

3-PIECE, ALUMINUM SERIES / EXTRA STRENGTH - HEAVY DUTY SHANK / PTFE LINERS AVAILABLE



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
ALRSM5	ALRSM L5	.3125	1.000	.437	.344	.625	1.938	3/8-24	1.250	12	5,592	.059
ALRSM6	ALRSM L6	.3750	1.125	.500	.406	.719	2.125	7/16-20	1.375	10	7,718	.088
ALRSM7	ALRSM L7	.4375	1.312	.562	.437	.812	2.438	1/2-20	1.500	12	11,000	.121
ALRSM8	ALRSM L8	.5000	1.500	.625	.500	.937	2.625	5/8-18	1.625	10	14,880	.200
ALRSM8-6	ALRSM L8-6	.3750	1.500	.625	.500	.937	2.625	5/8-18	1.625	10	14,880	.200
ALRSM10	ALRSM L10	.6250	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	19,240	.317
ALRSM10-8	ALRSM L10-8	.5000	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	19,240	.317

NOTES:

FOR GREASE FITTING ADD "Z" TO SUFFIX

EXAMPLE: ALRSM6Z

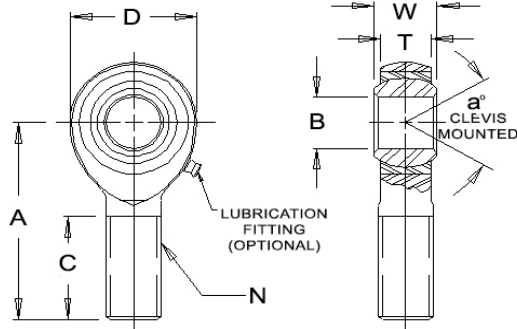
FOR PTFE LINER ADD "T" TO SUFFIX

EXAMPLE: ALRSM8T

BALL	BODY
52100 STEEL	ALUMINUM
Rc 56 MIN. HARD	7075-T6
HARD CHROME PLATED	HARD ANODIZED RED
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED, CHROMATE TREATED	

RSM / RSMX

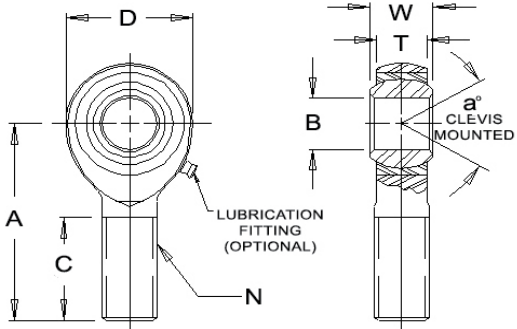
3-PIECE, HIGH STRENGTH - HEAVY DUTY SHANK / PTFE LINERS AVAILABLE



MATERIALS

BALL	BODY
52100 STEEL	LOW CARBON STEEL
Rc 56 MIN. HARD	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED	
CHROMATE TREATED	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
RSM3	RSML3	.1900	.750	.312	.250	.437	1.562	1/4-28	1.000	10	2,170	.043
RSM4	RSML4	.2500	.875	.375	.281	.500	1.875	5/16-24	1.250	13	3,523	.072
RSM5	RSML5	.3125	1.000	.437	.344	.625	1.938	3/8-24	1.250	12	5,370	.112
RSM6	RSML6	.3750	1.125	.500	.406	.719	2.125	7/16-20	1.375	10	7,230	.160
RSM7	RSML7	.4375	1.312	.562	.437	.812	2.438	1/2-20	1.500	12	9,685	.249
RSM8	RSML8	.5000	1.500	.625	.500	.937	2.625	5/8-18	1.625	10	12,843	.382
RSM10	RSML10	.6250	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	16,613	.602



MATERIALS

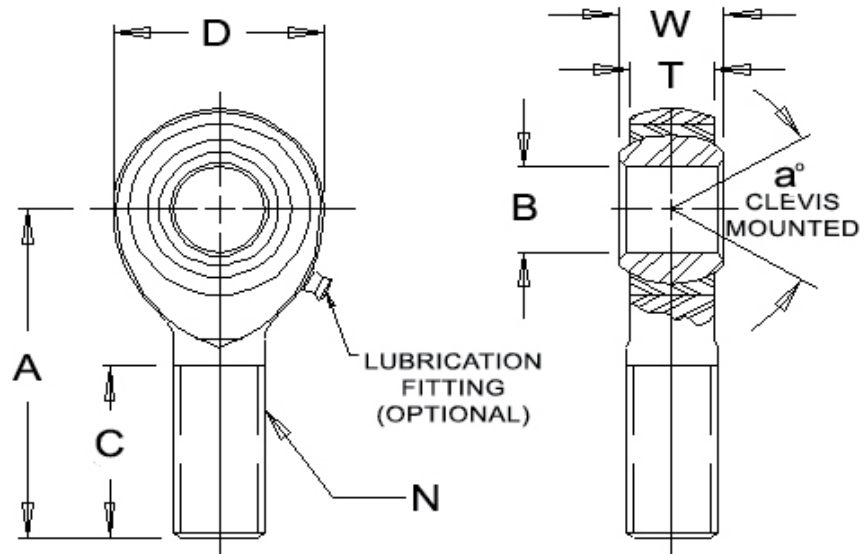
BALL	BODY
52100 STEEL	STEEL ALLOY, HEAT TREATED
Rc 56 MIN. HARD	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED
RACE	
STEEL ALLOY, HEAT TREATED	
ZINC PLATED	
CHROMATE TREATED	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0015 -0.0005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.		
RSMX3	RSMXL3	.1900	.750	.312	.250	.437	1.562	1/4-28	1.000	10	5,270	.043
RSMX4	RSMXL4	.2500	.875	.375	.281	.500	1.875	5/16-24	1.250	13	8,471	.072
RSMX5	RSMXL5	.3125	1.000	.437	.344	.625	1.938	3/8-24	1.250	12	13,012	.112
RSMX6	RSMXL6	.3750	1.125	.500	.406	.719	2.125	7/16-20	1.375	10	17,610	.160
RSMX7	RSMXL7	.4375	1.312	.562	.437	.812	2.438	1/2-20	1.500	12	23,470	.249
RSMX8	RSMXL8	.5000	1.500	.625	.500	.937	2.625	5/8-18	1.625	10	31,420	.382
RSMX10-8	RSMXL10-8	.5000	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	40,590	.602
RSMX10	RSMXL10	.6250	1.750	.750	.562	1.125	2.875	3/4-16	1.750	13	40,590	.602
RSMX12	RSMXL12	.7500	2.000	.875	.687	1.312	3.375	7/8-14	1.875	12	55,696	.918
RSMX14T**	RSMXL14T**	.8750	2.312	.875	.765	1.375	3.800	1-14	2.375	12	63,096	1.302

NOTES:

1. FOR PTFE LINERS ADD "T" TO SUFFIX. **EXAMPLE: RSM10T**
2. FOR GREASE FITTINGS ADD "Z" TO SUFFIX. **EXAMPLE: RSMXL5Z**
3. FOR STUDS ADD "Y" TO SUFFIX. **EXAMPLE: RSM8Y**
4. MALE ROD END LOAD RATINGS BASED ON NO LUBRICATION FITTING. FOR LOAD RATINGS OF ROD ENDS WITH LUBRICATOR, PLEASE CONTACT F.K. ENGINEERING DEPT.

** Race is 17-4PH stainless steel, heat treated/Ball is 440C stainless steel or 52100 steel (heat treated)-**Manufacture's Option**



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS ANGLE	ULT. STATIC RADIAL LOAD (lbs.)		APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.015 -0.005	+0.010 -0.010	+0.000 -0.005	+0.005 -0.005	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031	REF.	WITH LUBE	WITHOUT LUBE	(lbs.)
EMX4	EMXL4	.2500	.750	.375	.281	.500	1.562	5/16-24	1.000	16	3,260	6,680	.06
EMX5	EMXL5	.3125	.875	.437	.344	.625	1.875	3/8-24	1.250	14	4,920	8,410	.09
EMX6	EMXL6	.3750	1.000	.500	.406	.719	1.938	7/16-20	1.250	12	7,240	11,160	.13
EMX7	EMXL7	.4375	1.125	.562	.437	.812	2.125	1/2-20	1.375	14	7,620	13,660	.18
EMX8	EMXL8	.5000	1.312	.625	.500	.937	2.438	5/8-18	1.500	12	11,920	19,340	.30
EMX10	EMXL10	.6250	1.500	.750	.562	1.125	2.625	3/4-16	1.625	16	13,940	21,080	.46
EMX12	EMXL12	.7500	1.750	.875	.687	1.312	2.875	7/8-14	1.750	14	21,570	29,800	.72

MATERIALS

BALL	BODY
52100 STEEL Rc 56 MIN. HARD HARD CHROME PLATED	ALLOY STEEL, HEAT TREATED, ZINC PLATED CHROMATE TREATED
RACE	
STEEL ALLOY, HEAT TREATED ZINC PLATED CHROMATE TREATED	

NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: EMX6Z

FOR STUDS ADD "Y" TO SUFFIX.

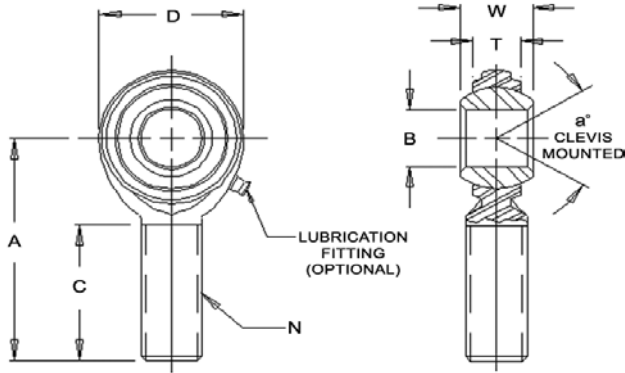
EXAMPLE: EMX5Y

FOR PTFE LINER ADD "T" TO SUFFIX.

EXAMPLE: EMX12T

CM-M/ CF-M METRIC

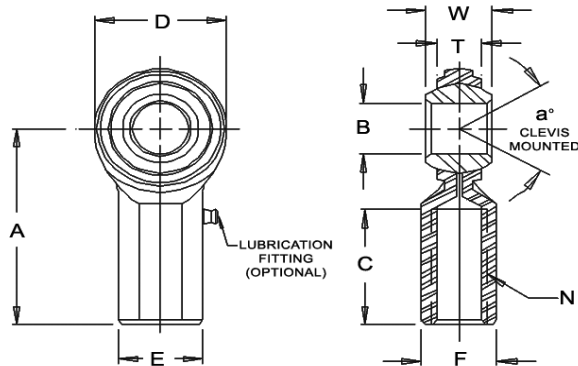
2-PIECE METRIC, METAL TO METAL / PTFE LINERS AVAILABLE



MATERIALS

BALL	BODY
52100 STEEL	LOW CARBON STEEL
HEAT TREATED	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT (GRAMS)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.012	+0.38 -0.38	+0.12 -0.12	REF.	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	REF.		
CM5M*	CML5M*	5	16	8	5.75	11.10	33	M5 X 0.8	20	22	5,168	12
CM6M*	CML6M*	6	19	9	6.25	12.70	36	M6 X 1.0	22	23	7,296	18
CM8M*	CML8M*	8	22.25	12	8.0	15.88	42	M8 X 1.25	25	28	13,591	31
CM10M	CML10M	10	27	14	9.5	19.05	48	M10 X 1.5	29	26	21,024	68
CM10MF	CML10MF	10	27	14	9.5	19.05	48	M10 X 1.25	29	26	21,024	68
CM12M	CML12M	12	30	16	10.75	22.23	54	M12 X 1.75	33	27	25,819	78
CM12MF	CML12MF	12	30	16	10.75	22.23	54	M12 X 1.25	33	27	25,819	78
CM14M	CML14M	14	34.75	19	12.25	25.40	60	M14 X 2.0	36	30	35,214	118
CM16M	CML16M	16	38	21	12.75	28.58	66	M16 X 2.0	40	33	37,391	173
CM18M	CML18M	18	42	23	14.75	31.75	72	M18 X 1.5	44	30	47,903	260
CM20M	CML20M	20	46	25	16.25	34.93	78	M20 X 1.5	47	29	57,101	290



*GREASE FITTINGS ARE NOT SUPPLIED ON THESE SIZES.
MALE ROD END LOAD RATINGS BASED ON NO LUBRICATING FITTING.
FOR LOAD RATINGS WITH LUBRICATOR, PLEASE CONTACT THE
F.K. ENGINEERING DEPARTMENT.

MATERIALS

BALL	BODY
52100 STEEL	LOW CARBON STEEL
HEAT TREATED	ZINC PLATED
HARD CHROME PLATED	CHROMATE TREATED

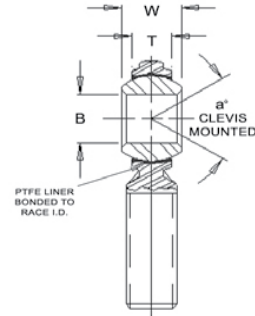
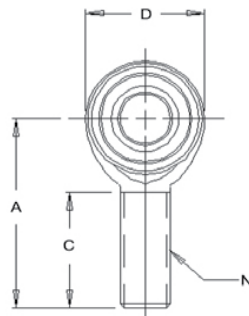
FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT (GRAMS)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.012	+0.38 -0.38	+0.12 -0.12	REF.	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	+0.25 -0.25	+0.25 -0.25	REF.		
CF5M*	CFL5M*	5	16	8	5.75	11.10	27	M5 X 0.8	14	11	9	22	8,247	18
CF6M	CFL6M	6	19	9	6.25	12.70	30	M6 X 1.0	14	13	11	23	11,895	25
CF8M	CFL8M	8	22.25	12	8.0	15.88	36	M8 X 1.25	17	16	14	28	15,190	40
CF10M	CFL10M	10	27	14	9.5	19.05	43	M10 X 1.5	21	19	17	26	22,750	80
CF10MF	CFL10MF	10	27	14	9.5	19.05	43	M10 X 1.25	21	19	17	26	22,750	80
CF12M	CFL12M	12	30	16	10.75	22.23	50	M12 X 1.75	24	22	19	27	25,819	95
CF12MF	CFL12MF	12	30	16	10.75	22.23	50	M12 X 1.25	24	22	19	27	25,819	95
CF14M	CFL14M	14	34.75	19	12.25	25.40	57	M14 X 2.0	27	25	22	30	35,214	160
CF16M	CFL16M	16	38	21	12.75	28.58	64	M16 X 2.0	33	27	22	33	37,391	215
CF18M	CFL18M	18	42	23	14.75	31.75	71	M18 X 1.5	36	28.58	25.4	30	47,903	300
CF20M	CFL20M	20	46	25	16.25	34.93	77	M20 X 1.5	40	30.15	27	29	57,101	350

NOTE: FOR GREASE FITTINGS ADD "Z" TO SUFFIX. EXAMPLE: CF6MZ

FOR PTFE LINER ADD "T" TO SUFFIX. EXAMPLE: CF6MT

SCM-MT/ SCF-MT METRIC

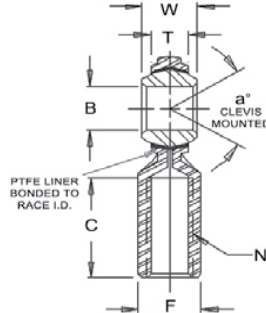
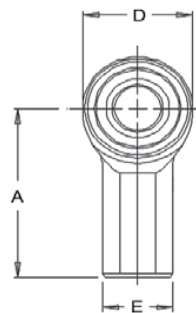
2-PIECE METRIC, STAINLESS STEEL, SELF-LUBRICATING



MATERIALS

BALL	BODY
440C STAINLESS STEEL HEAT TREATED	303 STAINLESS STEEL PASSIVATED
LINER	
PTFE FABRIC	

MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	a° MIS. ANGLE	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT (GRAMS)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.012	+0.38 -0.38	+0.12 -0.12	REF.	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	REF.		
SCM5MT	SCML5MT	5	16	8	5.75	11.10	33	M5 X 0.8	20	22	4,056	12
SCM6MT	SCML6MT	6	19	9	6.25	12.70	36	M6 X 1.0	22	23	6,093	18
SCM8MT	SCML8MT	8	22.25	12	8.0	15.88	42	M8 X 1.25	25	28	9,118	31
SCM10MT	SCML10MT	10	27	14	9.5	19.05	48	M10 X 1.5	29	26	14,144	68
SCM12MT	SCML12MT	12	30	16	10.75	22.23	54	M12 X 1.75	33	27	17,373	78
SCM14MT	SCML14MT	14	34.75	19	12.25	25.40	60	M14 X 2.0	36	30	23,699	118
SCM16MT	SCML16MT	16	38	21	12.75	28.58	66	M16 X 2.0	40	33	25,162	173



MATERIALS

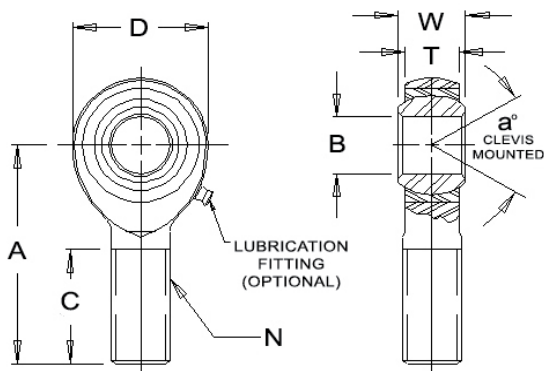
BALL	BODY
440C STAINLESS STEEL HEAT TREATED	303 STAINLESS STEEL PASSIVATED
LINER	
PTFE FABRIC	

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS. ANG.	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT (GRAMS)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.012	+0.38 -0.38	+0.12 -0.12	REF.	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	+0.25 -0.25	+0.25 -0.25	REF.		
SCF5MT	SCFL5MT	5	16	8	5.75	11.10	27	M5 X 0.8	14	11	9	22	4,136	18
SCF6MT	SCFL6MT	6	19	9	6.25	12.70	30	M6 X 1.0	14	13	11	23	6,138	25
SCF8MT	SCFL8MT	8	22.25	12	8.0	15.88	36	M8 X 1.25	17	16	14	28	9,340	40
SCF10MT	SCFL10MT	10	27	14	9.5	19.05	43	M10 X 1.5	21	19	17	26	15,310	80
SCF12MT	SCFL12MT	12	30	16	10.75	22.23	50	M12 X 1.75	24	22	19	27	17,373	95
SCF14MT	SCFL14MT	14	34.75	19	12.25	25.40	57	M14 X 2.0	27	25	22	30	23,699	160
SCF16MT	SCFL16MT	16	38	21	12.75	28.58	64	M16 X 2.0	33	27	22	33	25,162	215

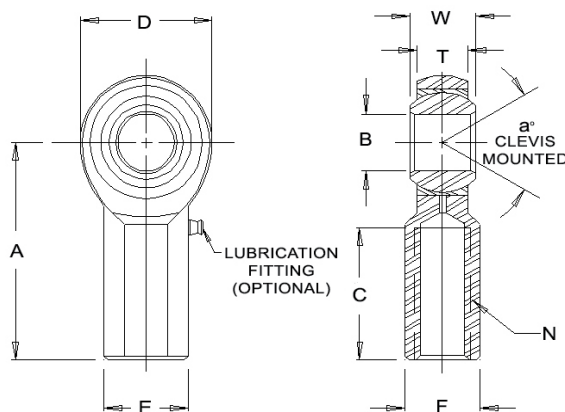
JM-M / JF-M

METRIC

3-PIECE METRIC, PRECISION-WEAR RESISTANT / PTFE LINERS AVAILABLE



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THREAD	C LGTH	a° MIS ANG.	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT GRAMS
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.013	+0.38 -0.38	+0.12 -0.12	+0.13 -0.13	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	REF.		
JM6M*	JML6M*	6	19	9	7	12.70	36	M6 X 1.0	22	13	7,295	18
JM8M*	JML8M*	8	22.25	12	8.75	15.88	42	M8 X 1.25	25	18	13,595	31
JM10M	JML10M	10	27	14	10.5	19.05	48	M10 X 1.5	29	17	20,605	68
JM12M	JML12M	12	30	16	12	22.23	54	M12 X 1.75	33	17	18,215	78
JM14M	JML14M	14	34.75	19	13.50	25.40	60	M14 X 2.0	36	21	29,840	118
JM16M	JML16M	16	38	21	14.25	28.58	66	M16 X 2.0	40	23	32,225	173



NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: JM12MZ

FOR PTFE LINER ADD "T" TO SUFFIX

EXAMPLE: JF14MT

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT GRAMS
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.012	+0.38 -0.38	+0.12 -0.12	REF.	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	+0.25 -0.25	+0.25 -0.25	REF.		
JF6M	JFL6M	6	19	9	7	12.70	30	M6 X 1.0	14	13	11	13	10,575	25
JF8M	JFL8M	8	22.25	12	8.75	15.88	36	M8 X 1.25	17	16	14	18	14,075	40
JF10M	JFL10M	10	27	14	10.5	19.05	43	M10 X 1.5	21	19	17	17	20,605	80
JF12M	JFL12M	12	30	16	12	22.23	50	M12 X 1.75	24	22	19	17	18,215	95
JF14M	JFL14M	14	34.75	19	13.50	25.40	57	M14 X 2.0	27	25	22	21	29,840	160
JF16M	JFL16M	16	38	21	14.25	28.58	64	M16 X 2.0	33	27	22	23	32,225	215

MATERIALS

BALL	BODY	RACE
52100 STEEL	LOW CARBON STEEL	ALLOY STEEL
HEAT TREATED	ZINC PLATED, CHROMATE TREATED	HEAT TREATED
HARD CHROME PLATED		ZINC PLATED, CHROMATE TREATED

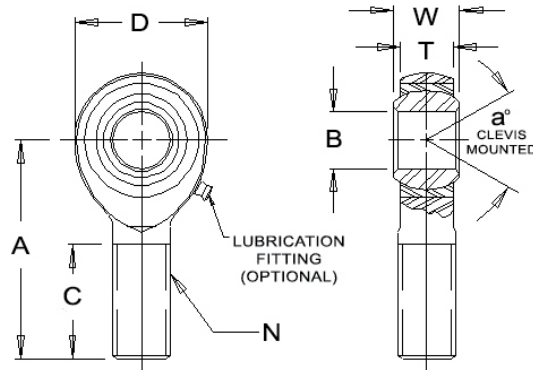
*Grease fittings are not supplied on these sizes.



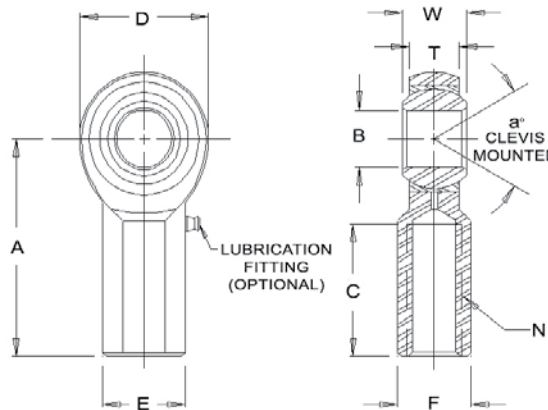
JMX-M / JFX-M

METRIC

3-PIECE METRIC, HIGH STRENGTH - PRECISION-WEAR RESISTANT / PTFE LINERS AVAILABLE



MALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THREAD	C LGTH	a° MIS ANG.	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT GRAMS
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.013	+0.38 -0.38	+0.12 -0.12	+0.13 -0.13	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	REF.		
JMX6M*	JMXL6M*	6	19	9	7	12.70	36	M6 X 1.0	22	13	17,725	18
JMX8M*	JMXL8M*	8	22.25	12	8.75	15.88	42	M8 X 1.25	25	18	33,137	31
JMX10M	JMXL10M	10	27	14	10.5	19.05	48	M10 X 1.5	29	17	50,225	68
JMX12M	JMXL12M	12	30	16	12	22.23	54	M12 X 1.75	33	17	44,487	78
JMX14M	JMXL14M	14	34.75	19	13.50	25.40	60	M14 X 2.0	36	21	71,745	118
JMX16M	JMXL16M	16	38	21	14.25	28.58	66	M16 X 2.0	40	23	76,290	173



NOTES:

FOR GREASE FITTINGS ADD "Z" TO SUFFIX.

EXAMPLE: JMX12MZ

FOR PTFE LINER ADD "T" TO SUFFIX.

EXAMPLE: JFX12MT

FEMALE ROD ENDS		B DIA.	D DIA.	W WIDTH	T WIDTH	BALL DIA.	A LGTH	N THD.	C LGTH	E DIA.	F FLAT	a° MIS ANG.	ULT. STATIC RADIAL LOAD Newton	APPROX. WEIGHT GRAMS
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.065 -0.012	+0.38 -0.38	+0.12 -0.12	REF.	REF.	+0.40 -0.40	THREAD	+1.00 -1.00	+0.25 -0.25	+0.25 -0.25	REF.		
JFX6M	JFXL6M	6	19	9	7	12.70	30	M6 X 1.0	14	13	11	13	25,785	25
JFX8M	JFXL8M	8	22.25	12	8.75	15.88	36	M8 X 1.25	17	16	14	18	33,215	40
JFX10M	JFXL10M	10	27	14	10.5	19.05	43	M10 X 1.5	21	19	17	17	50,230	80
JFX12M	JFXL12M	12	30	16	12	22.23	50	M12 X 1.75	24	22	19	17	44,490	95
JFX14M	JFXL14M	14	34.75	19	13.50	25.40	57	M14 X 2.0	27	25	22	21	71,745	160
JFX16M	JFXL16M	16	38	21	14.25	28.58	64	M16 X 2.0	33	27	22	23	76,295	215

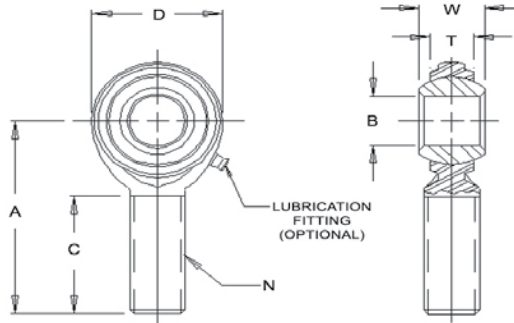
MATERIALS

BALL	BODY	RACE
52100 STEEL	ALLOY STEEL	ALLOY STEEL
HEAT TREATED	HEAT TREATED	HEAT TREATED
HARD CHROME PLATED	ZINC PLATED, CHROMATE TREATED	ZINC PLATED, CHROMATE TREATED

*Grease fittings are not supplies on these sizes.

SPECIAL SIZED ROD ENDS

2-PIECE, METAL TO METAL, SPECIAL BORE SIZES / PTFE LINERS AVAILABLE



MATERIALS

BALL

52100 STEEL
Rc 56 MIN.
HARD CHROME PLATED

BODY

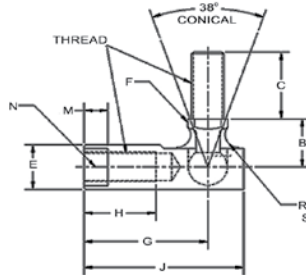
LOW CARBON STEEL
ZINC PLATED
CHROMATE TREATED

MALE ROD ENDS		B DIA.	D DIA.	T WIDTH	BALL DIA.	A LGTH.	N THD.	C LGTH.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
RIGHT HAND PART NO.	LEFT HAND PART NO.	+0.0025 -0.0005	+0.010 -0.010	REF.	REF.	+0.015 -0.015	UNF 3A	+0.062 -0.031		
CM4-3	CML4-3	.1900	.750	.250	.500	1.562	1/4-28	1.000	2,225	.042
CM5-4	CML5-4	.2500	.875	.312	.625	1.875	5/16-24	1.250	3,600	.074
CM6-5	CML6-5	.3125	1.000	.359	.719	1.938	3/8-24	1.250	5,100	.108
HCM6	HCML6	.3750	1.000	.359	.719	1.938	3/8-24	1.250	5,100	.110
CM8-6	CML8-6	.3750	1.312	.453	.937	2.438	1/2-20	1.500	8,386	.246
HCM8	HCML8	.5000	1.312	.453	.937	2.438	1/2-20	1.500	8,386	.256
CM10-8	CML10-8	.5000	1.500	.484	1.125	2.625	5/8-18	1.625	9,813	.380
CM12-8	CML12-8	.5000	1.750	.593	1.312	2.875	3/4-16	1.750	14,290	.626
CM12-10	CML12-10	.6250	1.750	.593	1.312	2.875	3/4-16	1.750	14,290	.596
CM10-12Z	CML10-12Z	.6250	1.750	.593	1.312	2.875	5/8-18	1.750	*	.532
HCM12	HCML12	.7500	1.750	.593	1.312	2.875	3/4-16	1.750	14,290	.582
CM12-757	CML12-757	.7570	1.750	.593	1.312	2.875	3/4-16	1.750	14,290	.560

* CONSULT F.K. ENGINEERING DEPARTMENT.

B

BALL JOINTS, SWAGED CONSTRUCTION WITH DIRT SHIELD



MATERIALS

BODY

LOW CARBON STEEL
ZINC PLATED
DICHROMATE
TREATED

BALL STUD

LOW CARBON STEEL
HEAT TREATED
ZINC PLATED,
DICHROMATE TREATED

PART NUMBER	THREAD	B	C	E	F HEX	G	H	J	M	N FLAT	TENSILE STRENGTH (LBS.)	TENSILE STRENGTH (LBS.)
B3	10-32	.438	.438	.375	.313	.875	.438	1.063	.218	.312	300	500
B4	1/4-28	.469	.563	.438	.375	.969	.500	1.219	.281	.375	850	837
B5	5/16-24	.531	.688	.500	.438	1.125	.563	1.406	.281	.438	1,500	1,000
B6	3/8-24	.688	.875	.625	.500	1.375	.750	1.688	.313	.500	2,400	1,512
B7	7/16-20	.875	1.125	.750	.625	1.938	1.000	2.375	.375	.625	2,700	2,173
B8	1/2-20	.875	1.125	.750	.625	1.938	1.000	2.375	.375	.625	2,700	2,400
B10	5/8-18	1.000	1.125	.875	.750	2.063	1.000	2.578	.500	.750	2,950	3,150

NOTES:

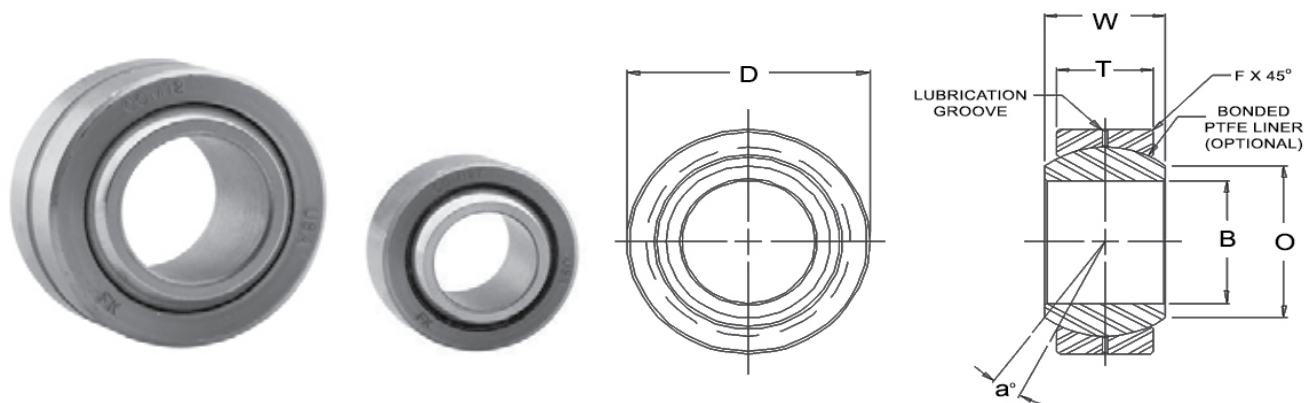
1. BALL CAVITY IS PRE-LOADED WITH HIGH IMPACT LUBRICANT.
2. THESE BALL JOINTS ARE SUPPLIED WITH A DIRT SHIELD FOR PROTECTION AGAINST CONTAMINANTS.



fkrodends.com

COM / COMH

COMMERCIAL SERIES / PTFE LINERS AVAILABLE



BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
	+0.0015 -0.0005	+0.0000 -0.0007	+0.005 -0.005	+0.005 -0.005	REF.	REF.	REF.	REF.		
COM3	.1900	.5625	.281	.218	.293	.406	.015	11	3,250	.014
COM4	.2500	.6562	.343	.250	.364	.500	.022	13.5	4,950	.022
COM5	.3125	.7500	.375	.281	.419	.562	.032	12	6,475	.030
COM6	.3750	.8125	.406	.312	.516	.656	.032	10	8,400	.038
COM7	.4375	.9062	.437	.343	.530	.687	.032	8	9,453	.047
COM8	.5000	1.0000	.500	.390	.600	.781	.032	9.5	13,250	.065
COM8-101	.5000	1.0000	1.000	.390	.600	.781	.032	9.5	13,250	.065
COM9	.5625	1.0937	.562	.437	.671	.875	.032	9.5	16,630	.086
COM10	.6250	1.1875	.625	.500	.739	.968	.032	8.5	21,280	.110
COM12	.7500	1.4375	.750	.593	.920	1.187	.044	9	31,920	.204
COM12T-3R**	.7500	1.4375	.750	.593	.920	1.187	.044	9	31,920	.204
COM14	.8750	1.5625	.875	.703	.980	1.312	.044	9.5	41,960	.263
COM16	1.0000	1.7500	1.000	.797	1.118	1.500	.044	10	55,200	.386
COMH16***	1.0000	2.0000	1.000	.781	1.360	1.687	.032	9	70,820	.553
COMH19***	1.1875	2.3750	1.187	.937	1.610	2.000	.032	8.5	100,730	.895
COMH20***	1.2500	2.3750	1.187	.937	1.610	2.000	.032	8.5	100,730	.895
COMH24***	1.5000	2.7500	1.375	1.094	1.860	2.312	.032	8.5	135,950	1.358
COMH28***	1.7500	3.1250	1.562	1.250	2.110	2.625	.044	8	176,370	1.948
COMH32***	2.0000	3.5000	1.750	1.375	2.360	2.937	.044	8.5	217,060	2.650

** BEARING COMES STANDARD WITH SNAP RING AND PTFE LINER. CONTACT ENGINEERING FOR FURTHER INFORMATION.

***BORE TOLERANCE: +.0025
-.0005

MATERIALS

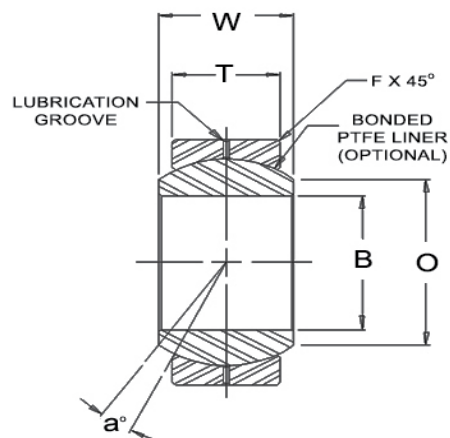
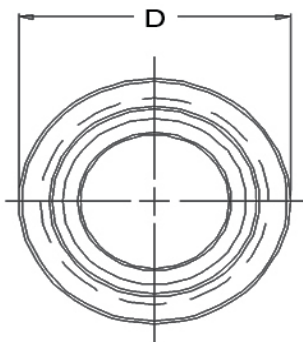
BALL	RACE
52100 STEEL	LOW CARBON STEEL
HEAT TREATED	OIL COATED
HARD CHROME PLATED	

NOTES:

- LUBRICATION GROOVES IN I.D.
& O.D. OF RACE
- FOR PTFE LINER ADD "T" TO SUFFIX
EXAMPLE: COM12T
(UNITS WITH PTFE LINERS HAVE NO
LUBRICATION HOLES OR GROOVES IN RACE.)

FKS / FKS-T

HEAVY DUTY PRECISION SERIES, ALLOY STEEL / PTFE LINERS AVAILABLE



BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
	+0.0015 -0.0005	+0.0000 -0.0005	+0.005 -0.005	+0.005 -0.005	REF.	REF.	REF.	REF.		
FKS3	.1900	.5625	.281	.218	.293	.406	.015	11	6,480	.014
FKS4	.2500	.6562	.343	.250	.364	.500	.022	13.5	10,000	.022
FKS5	.3125	.7500	.375	.281	.419	.562	.032	12	13,900	.065
FKS6	.3750	.8125	.406	.312	.516	.656	.032	10	18,000	.038
FKS7	.4375	.9062	.437	.343	.530	.687	.032	8	22,300	.047
FKS8	.5000	1.0000	.500	.390	.600	.781	.032	9.5	26,900	.065
FKS9	.5625	1.0937	.562	.437	.671	.875	.032	9.5	36,000	.086
FKS10	.6250	1.1875	.625	.500	.739	.968	.032	8.5	48,000	.110
FKS12	.7500	1.4375	.750	.593	.920	1.187	.044	9	78,000	.204
FKS14	.8750	1.5625	.875	.703	.980	1.312	.044	9.5	103,000	.263
FKS16	1.0000	1.7500	1.000	.797	1.118	1.500	.044	10	125,000	.386

MATERIALS

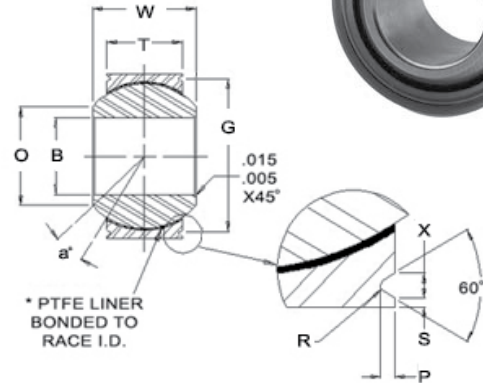
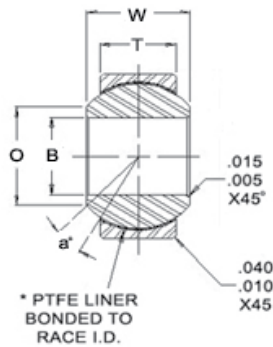
BALL	RACE
52100 STEEL	ALLOY STEEL
HEAT TREATED	HEAT TREATED
HARD CHROME PLATED	OIL COATED

NOTES:

- LUBRICATION GROOVES IN I.D. & O.D. OF RACE.
- FOR PTFE LINER ADD "T" TO SUFFIX
EXAMPLE: FKS8T
(UNITS WITH PTFE LINERS HAVE NO
LUBRICATION HOLES OR GROOVES IN RACE.)

FKSSX-T / FKSSX-TV / PFKSSX-T

PRECISION SERIES, PTFE LINED



BEARING PART NO.		B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	G DIA.	BALL DIA.	a° MIS. ANG.	LOAD RATINGS (lbs.)			APPROX. WEIGHT (lbs.)
PLAIN	GROOVED	+0.0000 -0.0005	+0.0000 -0.0005	+0.000 -0.005	+0.005 -0.005	REF.	+0.000 -0.008	REF.	MIN.	RADIAL (lbs.)	AXIAL (lbs.)	OSIL-LATING LOAD (lbs.)	
FKSSX3T	FKSSX3TV	.1900	.5625	.281	.218	.293	.500	.406	11	3,975	150	1,500	.020
FKSSX4T	FKSSX4TV	.2500	.6562	.343	.250	.364	.594	.500	13.5	6,040	430	3,320	.020
FKSSX5T	FKSSX5TV	.3125	.7500	.375	.281	.419	.650	.562	12	8,750	700	5,460	.030
FKSSX6T	FKSSX6TV	.3750	.8125	.406	.312	.516	.712	.656	10	10,540	1,100	6,600	.040
FKSSX7T	FKSSX7TV	.4375	.9062	.437	.343	.530	.806	.687	9.5	13,200	1,400	8,050	.050
FKSSX8T	FKSSX8TV	.5000	1.0000	.500	.390	.600	.876	.781	9.5	17,900	2,100	10,400	.070
FKSSX9T	FKSSX9TV	.5625	1.0937	.562	.437	.671	.970	.875	9.5	23,200	3,680	13,000	.090
FKSSX10T	FKSSX10TV	.6250	1.1875	.625	.500	.739	1.063	.968	8.5	30,500	4,720	16,450	.120
FKSSX12T	FKSSX12TV	.7500	1.4375	.750	.593	.920	1.313	1.187	9	46,400	6,750	23,600	.210
FKSSX14T	FKSSX14TV	.8750	1.5625	.875	.703	.980	1.438	1.312	9.5	62,200	9,350	30,250	.270
FKSSX16T	FKSSX16TV	1.0000	1.7500	1.000	.797	1.118	1.626	1.500	10	82,200	12,160	38,000	.390

NOTES:

DIAMETER "B" AND "D" ARE CONCENTRIC WITHIN .005 T.I.R.

MATERIALS

BALL		RACE	LINER
FKSSX-T	PFKSSX-T	17-4 PH STAINLESS STEEL HEAT TREATED	*PTFE FABRIC
440C STAINLESS STEEL HEAT TREATED	52100 STEEL HEAT TREATED HARD CHROME PLATED		

STAKING GROOVE DATA

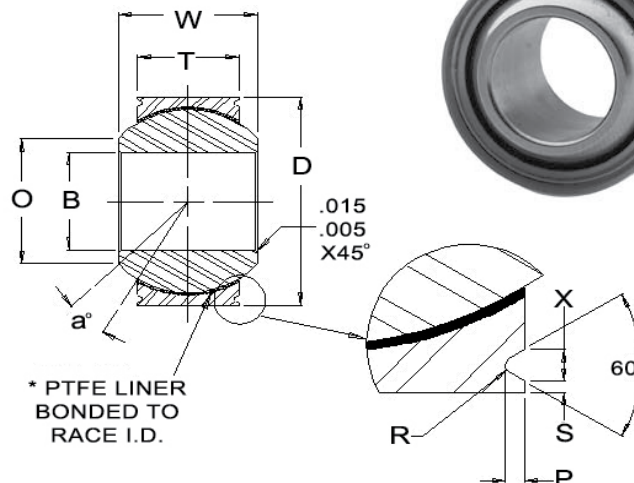
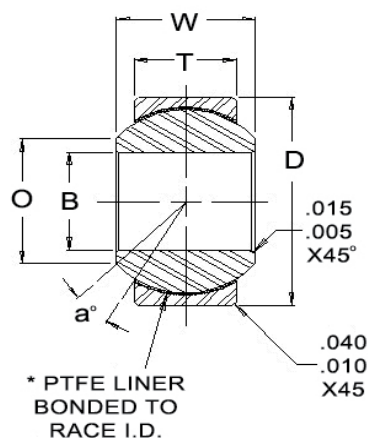
BORE SIZES	S	R	P
	LAND	RAD.	DEPTH
	MIN.	+0.002 -0.005	+0.000 -0.010
3 & 4	.010	.010	.025
5	.020	.010	.035
6 & 7	.020	.015	.035
8 thru 16	.020	.015	.055

NO LOAD BREAKAWAY TORQUE

BORE SIZES	TORQUE
3 & 4	.25 to 5.0
5 to 12	1.0 to 5.0
14 & 16	2.0 to 8.0

WSSX-T / WSSX-TV

WIDE SERIES, PTFE LINED



BEARING PART NO.		B DIA.	D DIA.	W WIDTH	T WIDTH	O SHOULDER DIA.	BALL DIA.	a° MIS. ANG.	LOAD RATINGS (lbs.)			APPROX. WEIGHT
PLAIN	GROOVED								STATIC LIMIT	DYNAMIC OSCILLATING RADIAL LOAD		(lbs.)
		+0.000 -0.0005	+0.000 -0.0005	+0.000 -0.002	+0.005 -0.005	REF.	REF.	MIN.	RADIAL (lbs.)	AXIAL (lbs.)		
WSSX3T	WSSX3TV	.1900	.6250	.437	.327	.301	.531	15	2,500	1,770	4,900	.031
WSSX4T	WSSX4TV	.2500	.6250	.437	.327	.301	.531	15	5,500	1,770	4,900	.031
WSSX5T	WSSX5TV	.3125	.6875	.437	.317	.360	.593	14	9,400	1,640	6,050	.035
WSSX6T	WSSX6TV	.3750	.8125	.500	.406	.466	.687	8	13,700	2,630	8,310	.060
WSSX7T	WSSX7TV	.4375	.9375	.562	.442	.537	.781	10	20,700	3,650	11,750	.080
WSSX8T	WSSX8TV	.5000	1.0000	.625	.505	.607	.875	9	21,400	4,970	14,950	.100
WSSX9T	WSSX9TV	.5625	1.1250	.687	.536	.721	1.000	10	26,600	5,370	18,100	.135
WSSX10T	WSSX10TV	.6250	1.1875	.750	.567	.747	1.062	12	29,000	6,130	20,250	.160
WSSX12T	WSSX12TV	.7500	1.3750	.875	.630	.845	1.250	13	37,000	7,730	26,200	.240
WSSX14T	WSSX14TV	.8750	1.6250	.875	.755	1.061	1.375	6	65,200	10,800	33,600	.350
WSSX16T	WSSX16TV	1.0000	2.1250	1.375	1.005	1.269	1.875	12	104,000	19,300	56,250	.970
WSSX24T**	WSSX24TV**	1.5000	2.9170	1.962	1.500	1.927	2.750	11	281,531	43,180	112,527	2.250

** WSSX24T - "B" TOLERANCE IS +.0015/-0.0005 & "W" TOLERANCE IS +.000/-0.005

MATERIALS

BALL	RACE	LINER
440C STAINLESS STEEL HEAT TREATED	17-4 PH STAINLESS STEEL HEAT TREATED	*PTFE FABRIC

NO LOAD BREAKAWAY TORQUE

BORE SIZES	TORQUE
3	.5 to 5.0 in. lbs.
4 thru 12	1.0 to 5.0 in. lbs.
14 thru 24	2.0 to 8.0 in. lbs.

STAKING GROOVE DATA

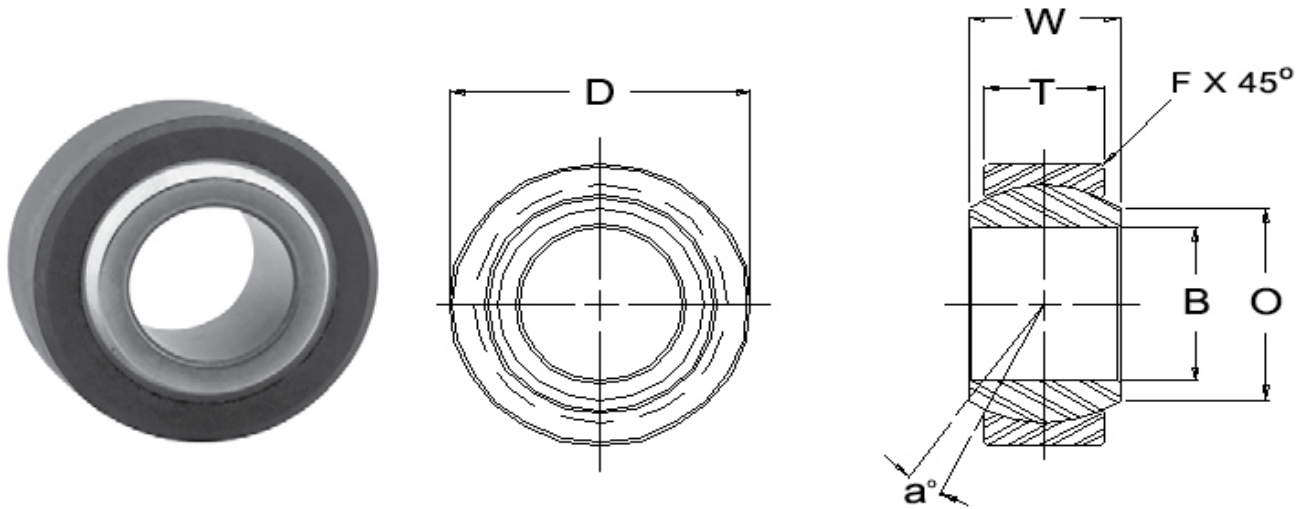
BORE SIZES	S	X	R	P
	LAND	GROOVE	RAD.	DEPTH
	+0.000 -0.010	+0.000 -0.010	+0.000 -0.010	+0.000 -0.015
3 thru 5	.020	.045	.015	.030
6 thru 10	.030	.055	.020	.040
12 thru 24	.030	.080	.020	.060

NOTES:

DIAMETER "B" AND "D" ARE CONCENTRIC WITHIN .005 T.I.R.

IN-P

PRECISION PLASTIC RACE SERIES, LIGHT DUTY



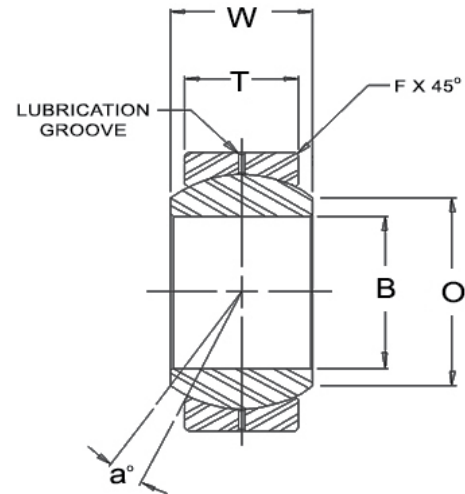
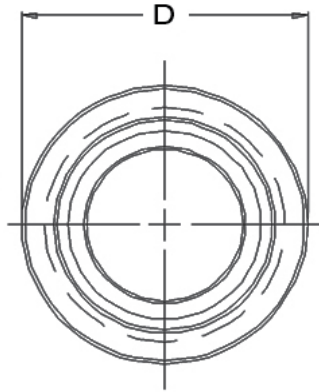
BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
	+.0025 -.0005	+.0000 -.0010	+.005 -.005	+.005 -.005	REF.	REF.	REF.	REF.		
IN3P	.1900	.5000	.312	.250	.307	.437	.020	13	939	.010
IN4P	.2500	.5781	.375	.281	.331	.500	.025	16	1,734	.014
IN5P	.3125	.7031	.437	.344	.447	.625	.025	14	2,236	.024
IN6P	.3750	.8125	.500	.406	.516	.718	.030	12	3,209	.036
IN7P	.4375	.9375	.562	.437	.587	.812	.030	14	3,395	.050
IN8P	.5000	1.0625	.625	.500	.699	.937	.030	12	5,360	.074
IN10P	.6250	1.2500	.750	.562	.839	1.125	.030	16	5,920	.122
IN12P	.7500	1.4375	.875	.687	.978	1.312	.035	14	9,240	.188

MATERIALS

BALL	RACE
LOW CARBON STEEL	PTFE LUBRICATED, FIBER
CASE HARDENED	REINFORCED ENGINEERING
ZINC PLATED	PLASTIC

GEZ-ES

INCH - SPHERICAL PLAIN BEARINGS WITH SINGLE FRACTURED RACE



BEARING PART NO.		B DIA.		D DIA.		W WIDTH		T WIDTH		O DIA.	F CMFR	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
OPEN	SEALED	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	REF.	REF.	REF.		
GEZ8ES	GEZ8ES-2RS	.5000	.4995	.8750	.8745	.437	.432	.375	.365	.555	.024	6	9,217	.049
GEZ10ES	GEZ10ES-2RS	.6250	.6245	1.0625	1.0620	.547	.542	.469	.459	.720	.024	6	14,635	.079
GEZ12ES	GEZ12ES-2RS	.7500	.7495	1.2500	1.2495	.656	.651	.562	.552	.858	.024	6	21,356	.117
GEZ14ES	GEZ14ES-2RS	.8750	.8745	1.4375	1.4370	.765	.760	.656	.646	1.000	.024	6	28,550	.187
GEZ16ES	GEZ16ES-2RS	1.0000	.9995	1.6250	1.6245	.875	.870	.750	.740	1.087	.024	6	37,317	.267
GEZ20ES	GEZ20ES-2RS	1.2500	1.2495	2.0000	1.9995	1.093	1.088	.937	.925	1.417	.024	6	58,448	.512
GEZ22ES	GEZ22ES-2RS	1.3750	1.3745	2.1875	2.1870	1.187	1.182	1.031	1.019	1.515	.039	6	69,688	.773
GEZ24ES	GEZ24ES-2RS	1.5000	1.4995	2.4375	2.4370	1.312	1.307	1.125	1.113	1.622	.039	6	84,300	.930
GEZ28ES	GEZ28ES-2RS	1.7500	1.7495	2.8125	2.8120	1.531	1.526	1.312	1.300	1.996	.039	6	114,648	1.413
GEZ32ES	GEZ32ES-2RS	2.0000	1.9995	3.1875	3.1869	1.750	1.745	1.500	1.484	2.280	.039	6	150,616	2.055
GEZ36ES	GEZ36ES-2RS	2.2500	2.2494	3.5625	3.5619	1.969	1.963	1.687	1.671	2.555	.039	6	191,080	2.932
GEZ40ES	GEZ40ES-2RS	2.5000	2.4994	3.9375	3.9369	2.187	2.181	1.875	1.859	2.886	.039	6	238,288	4.079
GEZ44ES	GEZ44ES-2RS	2.7500	2.7494	4.3750	4.3744	2.406	2.400	2.062	2.046	3.114	.039	6	281,000	5.335
GEZ48ES	GEZ48ES-2RS	3.0000	2.9994	4.7500	4.7493	2.625	2.619	2.250	2.230	3.417	.039	6	337,200	6.834
GEZ52ES	GEZ52ES-2RS	3.2500	3.2492	5.1250	5.1243	2.844	2.836	2.437	2.417	3.720	.039	6	395,648	8.422
GEZ56ES	GEZ56ES-2RS	3.5000	3.4992	5.5000	5.4993	3.062	3.054	2.625	2.605	4.000	.039	6	458,595	10.560
GEZ60ES	GEZ60ES-2RS	3.7500	3.7492	5.8750	5.8743	3.281	3.273	2.812	2.792	4.280	.039	6	530,528	12.743
GEZ64ES	GEZ64ES-2RS	4.0000	3.9992	6.2500	6.2490	3.500	3.492	3.000	2.980	4.559	.039	6	595,720	15.410
GEZ68ES	GEZ68ES-2RS	4.2500	4.2492	6.6250	6.6240	3.719	3.711	3.187	3.167	4.835	.039	6	674,400	18.541
GEZ72ES	GEZ72ES-2RS	4.5000	4.4992	7.0000	6.9990	3.937	3.929	3.375	3.355	5.142	.039	6	764,320	21.583
GEZ76ES	GEZ76ES-2RS	4.7500	4.7490	7.3750	7.3738	4.156	4.148	3.562	3.542	5.417	.039	6	843,000	25.353
GEZ80ES	GEZ80ES-2RS	5.0000	4.9990	7.7500	7.7488	4.375	4.365	3.750	3.730	5.720	.039	6	932,920	29.762
GEZ96ES	GEZ96ES-2RS	6.0000	5.9990	8.7500	8.7488	4.750	4.740	4.125	4.105	6.622	.039	5	1,168,960	38.581

MATERIALS

BALL	RACE
ALLOY STEEL	ALLOY STEEL, HEAT TREATED
HEAT TREATED	SINGLE FRACTURE
PHOSPHATE COATED	PHOSPHATE COATED

NOTES:

- LUBRICATING HOLES AND GROOVES ARE LOCATED ON INNER AND OUTER RACES.
- TYPE 2RS HAS SEALS ON BOTH SIDES.

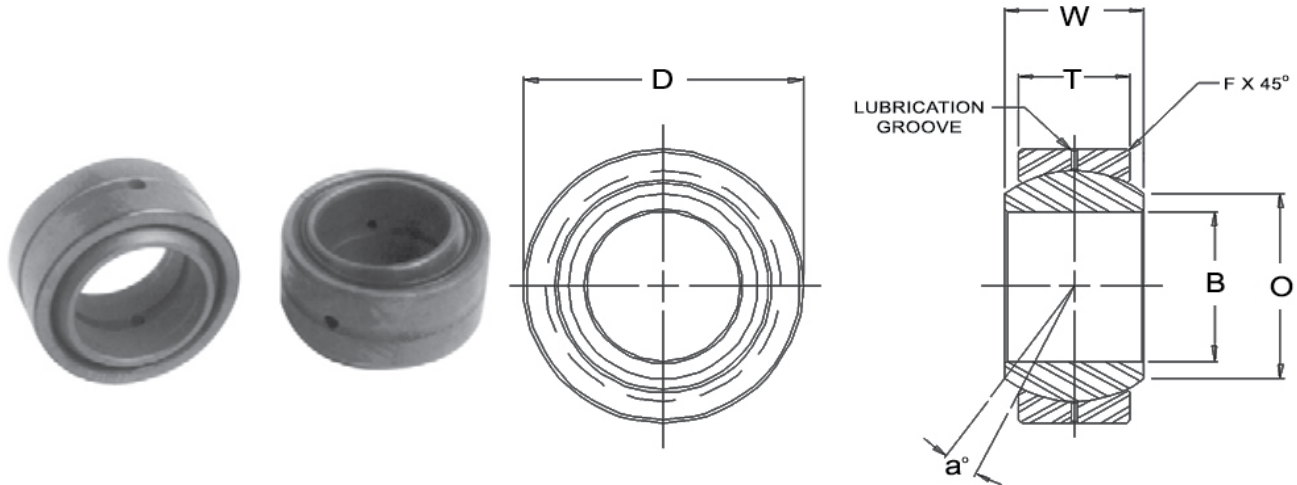
CHECK AVAILABILITY ON ALL SIZES.



fkrodends.com

GE-ES

METRIC - SPHERICAL PLAIN BEARINGS WITH SINGLE FRACTURED RACE



BEARING PART NO.		B DIA.		D DIA.		W WIDTH		T WIDTH		O DIA.	F CMFR	a° MIS ANG.	ULT. STATIC RADIAL LOAD (kN)	APPROX. WEIGHT (kg)
OPEN	SEALED	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	REF.	REF.	REF.		
GE12E		12.000	11.992	22.000	21.991	10.00	9.88	7.00	6.76	15	0.3	11	54	.016
GE15ES	GE15ES-2RS	15.000	14.992	26.000	25.991	12.00	11.88	9.00	8.76	18	0.3	8	85	.025
GE17ES	GE17ES-2RS	17.000	16.992	30.000	29.991	14.00	13.88	10.00	9.76	20	0.3	10	106	.041
GE20ES	GE20ES-2RS	20.000	19.990	35.000	34.989	16.00	15.88	12.00	11.76	24	0.3	9	146	.061
GE25ES	GE25ES-2RS	25.000	24.990	42.000	41.989	20.00	19.88	16.00	15.76	29	0.6	7	240	.11
GE30ES	GE30ES-2RS	30.000	29.990	47.000	46.989	22.00	21.88	18.00	17.76	34	0.6	6	310	.14
GE35ES	GE35ES-2RS	35.000	34.988	55.000	54.987	25.00	24.88	20.00	19.70	39	1.0	6	400	.22
GE40ES	GE40ES-2RS	40.000	39.988	62.000	61.987	28.00	27.88	22.00	21.70	45	1.0	7	500	.30
GE45ES	GE45ES-2RS	45.000	44.988	68.000	67.987	32.00	31.88	25.00	24.70	50	1.0	7	640	.40
GE50ES	GE50ES-2RS	50.000	49.988	75.000	74.987	35.00	34.88	28.00	27.70	55	1.0	6	780	.54
GE60ES	GE60ES-2RS	60.000	59.985	90.000	89.985	44.00	43.85	36.00	35.60	66	1.0	6	1,220	1.00
GE70ES	GE70ES-2RS	70.000	69.985	105.000	104.985	49.00	48.85	40.00	39.60	77	1.0	6	1,560	1.50
GE80ES	GE80ES-2RS	80.000	79.985	120.000	119.985	55.00	54.85	45.00	44.60	88	1.0	6	2,000	2.20
GE90ES	GE90ES-2RS	90.000	89.980	130.000	129.982	60.00	59.80	50.00	49.50	98	1.0	5	2,450	2.70
GE100ES	GE100ES-2RS	100.000	99.980	150.000	149.982	70.00	69.80	55.00	54.50	109	1.0	7	3,050	4.30
GE110ES	GE110ES-2RS	110.000	109.980	160.000	159.975	70.00	69.80	55.00	54.50	120	1.0	6	3,250	4.70
GE120ES	GE120ES-2RS	120.000	119.980	180.000	179.975	85.00	84.80	70.00	69.50	130	1.0	6	4,750	8.00
GE140ES	GE140ES-2RS	140.000	139.975	210.000	209.970	90.00	89.75	70.00	69.40	150	1.0	7	5,400	11.00
GE160ES	GE160ES-2RS	160.000	159.975	230.000	229.970	105.00	104.75	80.00	79.40	170	1.0	8	6,800	14.00

MATERIALS

BALL	RACE
ALLOY STEEL	ALLOY STEEL, HEAT TREATED
HEAT TREATED	SINGLE FRACTURE
PHOSPHATE COATED	PHOSPHATE COATED

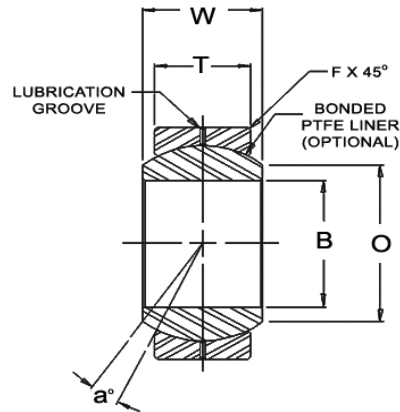
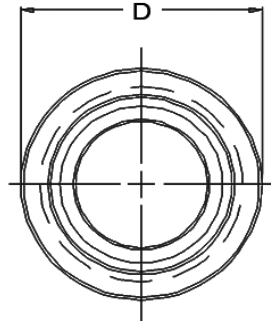
NOTES:

- LUBRICATING HOLES AND GROOVES ARE LOCATED ON INNER AND OUTER RACES.
- TYPE 2RS HAS SEALS ON BOTH SIDES.

CHECK AVAILABILITY ON ALL SIZES.

AIN / CP

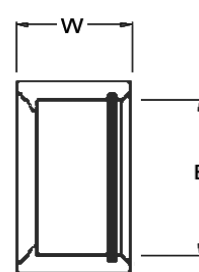
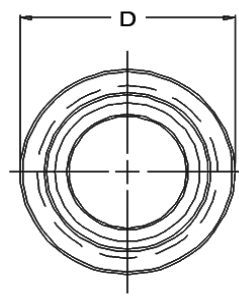
HEAVY DUTY PRECISION SERIES, ALLOY STEEL / PTFE LINERS AVAILABLE



RACE
ALLOY STEEL
HEAT TREATED
OIL COATED
BALL
52100 STEEL
Rc 56 MIN. HARD
HARD CHROME PLATED

BEARING PART NO.	B DIA.	D DIA.	W WIDTH	T WIDTH	O DIA.	BALL DIA.	F CHAMFER	a° MIS ANG.	ULT. STATIC RADIAL LOAD (lbs.)	APPROX. WEIGHT (lbs.)
	+0.0015 -0.0005	+0.0000 -0.0007	+0.005 -0.005	+0.005 -0.005	REF.	REF.	REF.	REF.		
AIN3	.1900	.5312	.312	.250	.307	.437	.020	10.5	6,550	.016
AIN4	.2500	.6094	.375	.281	.331	.500	.020	14.5	8,427	.023
AIN5	.3125	.7500	.437	.344	.448	.625	.020	11.0	12,912	.039
AIN6	.3750	.8437	.500	.406	.516	.719	.020	9.5	17,512	.059
AIN7	.4375	1.0000	.562	.437	.587	.812	.020	11.0	21,290	.079
AIN8	.5000	1.0937	.625	.500	.699	.937	.020	9.5	28,110	.110
AIN10	.6250	1.3125	.750	.562	.839	1.125	.030	12.0	37,930	.165
AIN12	.7500	1.5000	.875	.687	.978	1.312	.030	10.0	48,675	.252
AIN14	.8750	1.5000	.875	.687	.978	1.312	.030	6.0	48,675	.248
AIN14T-770	.8750	1.6250	.875	.750	1.061	1.375	.035	6.0	58,650	.350
AIN16	1.0000	2.1250	1.375	1.000	1.275	1.875	.060	15.0	90,000	.788

NOTES: FOR PTFE LINER ADD "T" TO SUFFIX EXAMPLE: AIN3T



Precision manufactured from 4130 alloy steel and are complete with snap ring retainer. Fabrication of parts using these cups should be performed by a qualified welder. Cups come standard with a snap ring. Replacement snap rings are available.

PART NO.	B	W	D	BEARING CUPS WILL FIT THE FOLLOWING PART NUMBERS	SNAP RING PART NO.
CP8	1.0000	.750	1.250	COM8T, FKS8T, FKSSX8T	SR8
CP10	1.1875	.875	1.500	COM10T, FKS10T, FKSSX10T	SR10
CP12	1.4375	1.000	1.750	COM12T, FKS12T, FKSSX12T	SR12
CPW12	1.3750	1.000	1.750	WSSX12T	SRW12
CPW14	1.6250	1.250	2.000	AIN14T-770, WSSX14T	SRW14
CPW16	2.1250	1.500	2.625	AIN16T, WSSX16T	SRW16
CP20	2.375	1.500	2.875	COMH20T	SR20

RERS SERIES BOOTS

TOTALLY ENCLOSE AND PROTECT THE ROD END FROM DIRT AND WATER



These “boots” completely enclose the head portion of the rod end and are held in place with the mounting bolt.

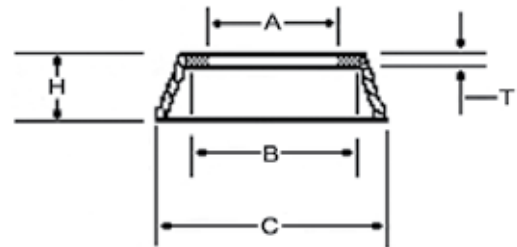
The job of the boot is to completely protect the rod end from all types of contamination. In severe duty, inspect regularly for any openings that would allow dirt and water to enter.

Standard package contains six boots.

BOOT SIZE PART NUMBER	INCH SIZE ROD ENDS		METRIC SIZE ROD ENDS	
	MALE	FEMALE	MALE	FEMALE
RERS 1	3/16", 1/4", 5/16"	3/16", 1/4", 5/16"	6mm, 8mm	6mm, 8mm
RERS 2	3/8", 7/16"	3/8", 7/16"	10mm, 12mm	10mm, 12mm
RERS 3	1/2", 5/8", 3/4"	1/2", 5/8", 3/4"	14mm, 16mm, 18mm	14mm, 16mm, 18mm
RERS 4	7/8", 1"	7/8", 1"	20mm, 22mm, 25mm	20mm, 22mm, 25mm
RERS 5	1 1/4"	1 1/4"	30mm, 35mm	30mm, 35mm

WS SERIES SEALS

ECONOMICAL PROTECTION FOR YOUR ROD END



Designed to fit over the exposed portion of the rod end ball to protect it against dirt and moisture.

Standard package contains six individual seals, enough for three rod ends. Order by rod end size

STANDARD SIZES

PART NUMBER	ROD END SIZE	SIZE	A	B	C	H	T
WS1875	3	0.187	0.2	0.326	0.442	0.095	0.02
WS2500	4	0.25	0.26	0.375	0.5	0.12	0.027
WS3125	5	0.312	0.322	0.487	0.7	0.2	0.047
WS3750	6	0.375	0.385	0.53	0.8	0.22	0.047
WS4375	7	0.437	0.448	0.626	0.875	0.25	0.047
WS5001	8	0.5	0.51	0.73	1.125	0.25	0.047
WS6250	10	0.625	0.635	0.882	1.235	0.267	0.047
WS7500	12	0.75	0.76	1.006	1.381	0.367	0.047
WS8750	14	0.875	0.885	1.125	1.89	0.315	0.042
WS1000	16	1	1.01	1.23	2.1	0.5	0.05

METRIC SIZES

PART NUMBER	ROD END SIZE	A	B	C	H	T
WS5MM	5MM	5.25	8.28	11.22	2.41	0.5
WS6MM	6MM	6.25	9.53	12.7	3.05	1.69
WS8MM	8MM	8.25	12.37	17.78	5.08	1.2
WS10MM	10MM	10.25	13.46	20.32	5.59	1.2
WS12MM	12MM	12.25	18.54	28.58	6.35	1.2
WS14MM	14MM	14.25	18.54	28.57	6.35	1.2
WS16MM	16MM	16.25	22.4	31.7	6.8	1.2
WS18MM	18MM	18.25	22.6	32.69	8.25	1.2
WS20MM	20MM	20.25	25.15	38.1	10.16	1.2
WS25MM	25MM	25.25	33.8	53.3	12.7	1.5
WS30MM	30MM	30.25	36	55.88	13.45	1.5

NOTES:

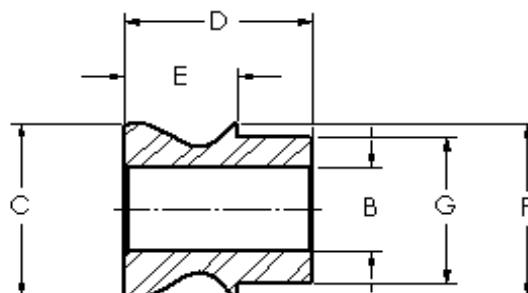
One (1) rod end requires two (2) rod end seals

Standard packaging is six (6) seals per package

One pack seals three (3) rod ends

HB

HIGH MISALIGNMENT BUSHINGS



PART NUMBER	B	C	D	E	F	G	BEARING SIZE
8-6HB	.3750	.645	.627	.342	.667	.499	8
10-8HB	.5000	.840	.900	.530	.795	.624	10
10-8HB-2	.5000	.840	1.620	1.250	.795	.624	10
12-8HB	.5000	.995	.900	.475	.930	.749	12
12-10HB	.6250	.995	.900	.475	.930	.749	12
14-8HB	.5000	1.040	1.055	.625	1.035	.874	RSMX14T JMX14T-770 KMX14
14-10HB	.6250	1.050	1.055	.625	1.035	.874	
14-12HB	.7500	1.050	1.242	.812	1.035	.874	
16-10HB	.6250	1.245	1.497	.817	1.225	.999	16
16-10HB-2	.6250	1.135	1.370	.690	1.225	.999	16
16-12HB	.7500	1.135	1.370	.690	1.225	.999	16

MATERIAL

17-4PH STAINLESS STEEL

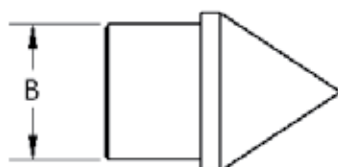
NOTES: 1. ALL DIMENSIONS ARE IN INCHES.

2. MISALIGNMENT BUSHINGS INCREASE MISALIGNMENT ANGLE AND REDUCE HOLE SIZES IN ROD ENDS AND SPHERICAL BEARINGS.

3. ALL BUSHINGS ARE SOLD IN PAIRS.

CTR

CENTER FINDERS



PART NUMBER	BEARING SIZE	B
CTR8	8	.500
CTR10	10	.625
CTR12	12	.750
CTR14	14	.875
CTR16	16	1.000

CENTER FINDERS ARE USED TO FIND THE LENGTH BETWEEN TWO CONNECTING RODS FOR EASE OF ASSEMBLY.

NOTES:

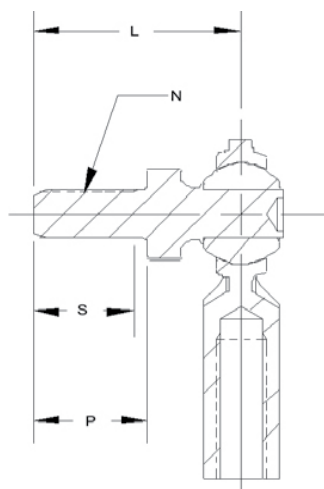
1. CENTER FINDERS ARE SOLD IN PAIRS.

2. TO PURCHASE A COMPLETE PAIR OF EACH SIZE USE PART NUMBER **CTR1**.



STUDED ROD ENDS

ROD END PART SIZE	L LGTH.	P LGTH.	S LGTH.	N THD.
	+.015 -.015	REF.	MIN.	UNF 2A
3	1.016	.500	.437	10-32
4	1.031	.562	.500	1/4-28
5	1.219	.687	.593	5/16-24
6	1.562	.906	.812	3/8-24
7	1.750	1.062	.937	7/16-20
8	2.000	1.125	1.000	1/2-20
10	2.500	1.500	1.375	5/8-18
12	3.000	1.812	1.625	3/4-16



NOTES:

1. AVAILABLE ON ALL SERIES.
2. STUD MATERIAL: LOW CARBON STEEL AND ALLOY STEEL (HEAT TREATED) - ZINC PLATED.
3. STUD MISALIGNMENT APPROX. $\pm 25^\circ$ IN ANY DIRECTION.
4. TO SPECIFY RIGHT HAND STUD, ADD SUFFIX "Y" TO PART NUMBER.
EXAMPLE: CM6Y
5. TO SPECIFY LEFT HAND STUD, ADD SUFFIX "YL" TO PART NUMBER.
EXAMPLE: CM6YL
6. TO SPECIFY HEAT TREATED STUD, ADD SUFFIX "YX" TO PART NUMBER.
EXAMPLE: CM6YX
7. FOR LOAD RATINGS WITH STUDS,

JAM NUTS



MATERIAL

STEEL- LOW CARBON- ZINC PLATED
ALUMINUM ALLOY

INCH STEEL JAM NUTS

RIGHT HAND	LEFT HAND	THD. SIZE UNF-2B	HEX SIZE
SJNR03	SJNL03	10-32	3/8
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
SJNR10-1	SJNL10-1	5/8-18	3/4
SJNR12	SJNL12	3/4-16	1-1/8
SJNR12-1	SJNL12-1	3/4-16	15/16
* SJNR14	SJNL14	7/8-14	1-9/32
* SJNR16	SJNL16	1 1/4-12	1-13/16
* SJNR16-1	SJNL16-1	1-14	1-3/8
* SJNR16-2	SJNL16-2	1-12	1-3/8

* HEX SIZE MAY VARY DEPENDING ON AVAILABILITY OF MATERIAL.

INCH ALUMINUM JAM NUTS

RIGHT HAND	LEFT HAND	THD. SIZE UNF-2B	HEX SIZE
AJNR03	AJNL03	10-32	3/8
AJNR04	AJNL04	1/4-28	7/16
AJNR05	AJNL05	5/16-24	1/2
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	3/4
AJNR12	AJNL12	3/4-16	1-1/8

METRIC STEEL JAM NUTS

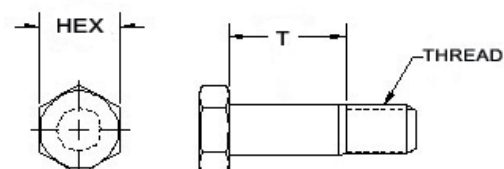
RIGHT HAND	LEFT HAND	THD. SIZE 6H	HEX SIZE
SJNR5M	SJNL5M	M5 X 0.8	3/8
SJNR6M	SJNL6M	M6 X 1.0	7/16
SJNR8M	SJNL8M	M8 X 1.25	1/2
SJNR10M	SJNL10M	M10 X 1.5	9/16
SJNR12M	SJNL12M	M12 X 1.75	11/16
SJNR14M	SJNL14M	M14 X 2.0	3/4
SJNR16M	SJNL16M	M16 X 2.0	15/16
SJNR18M	SJNL18M	M18 X 1.5	1 3/32
SJNR20M	SJNL20M	M20 X 1.5	1 3/32

NOTES:

1. JAM NUTS ARE SOLD IN LOTS OF 25 PCS. SIZE UP TO 12
2. JAM NUTS ARE SOLD IN LOTS OF 10 PCS. SIZES 14-16

NAS BOLT

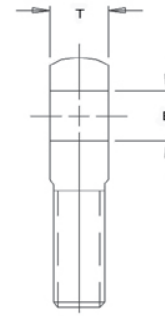
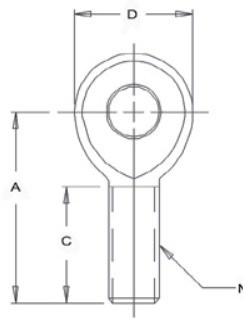
PART NO.	HEX SIZE	G GRIP	THREAD SIZE
	REF.	REF.	UNF-3A
6208-16	.750	1.100	1/2-20
6208-20	.750	1.250	1/2-20



SPECIAL PRODUCTS

MATERIALS

LOW CARBON STEEL
ZINC PLATED



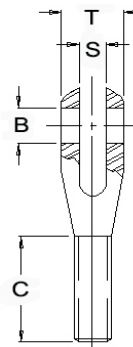
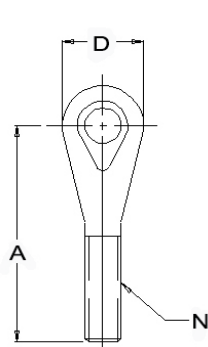
SOLID ROD ENDS

PART NO.	BORE x THD.	B DIA.	D DIA.	T WIDTH	A LGTH.	C LGTH.	N THD.	ULT. RADIAL STATIC LOAD
	REF.	+.0025 -.0005	+.010 -.010	+.005 -.005	+.015 -.015	+.062 -.031	UNF 3A	(lbs.)
RD1	5/8 x 5/8	.6250	1.500	.750	2.625	1.625	5/8-18	16,600
RD2	5/8 x 3/4	.6250	1.750	.875	2.875	1.750	3/4-16	18,500
RD3	3/4 x 3/4	.7500	1.750	.875	2.875	1.750	3/4-16	18,500
RD4	1/2 x 1/2	.5000	1.312	.625	2.437	1.500	1/2-20	12,100
RD5	1/2 x 3/4	.5000	1.750	.875	2.875	1.750	3/4-16	18,500
RD8	1/2 x 3/4	.5000	1.500	.750	2.625	1.625	3/4-16	18,500

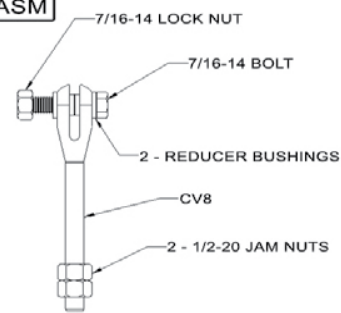
MATERIALS

LOW CARBON STEEL
ZINC PLATED. CHROMATE TREATED

NOTE:
17-4 PH STAINLESS STEEL AVAILABLE
SCV1 & SCV2



CV8-ASM



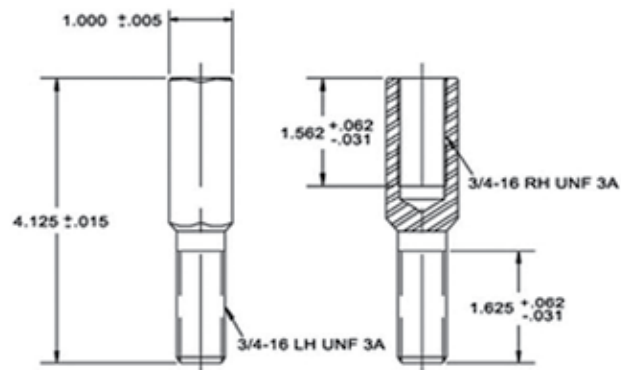
CLEVIS

PART NO.	BORE x THD.	B DIA.	D DIA.	T WIDTH	A LGTH.	C LGTH.	S SLOT	N THD.
	REF.	+.0025 -.0005	+.010 -.010	+.005 -.005	+.015 -.015	+.062 -.031	+.005 -.005	UNF 3A
CV1	3/8 x 5/8	.3750	1.125	.825	3.375	2.000	.375	5/8-18
CV2	1/2 x 5/8	.5000	1.125	.825	3.375	2.000	.375	5/8-18
CV3	3/8 x 3/4	.3750	1.125	.825	3.375	2.000	.375	3/4-16
CV4	1/2 x 3/4	.5000	1.125	.825	3.375	2.000	.375	3/4-16
CV5	3/8 x 1/2	.3750	.875	.655	3.012	1.700	.250	1/2-20
CV8	9/16 x 1/2	.5625	1.125	.875	5.563	3.900	.250	1/2-20

ADJUSTER LADDER

MATERIALS

LOW CARBON STEEL
ZINC PLATED
CHROMATE TREATED



WELDABLE TUBE ENDS

TUBE SIZE X WALL THICKNESS	10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	3/4-16	7/8-14	1-14	1 1/4-12
3/8 X .058	1101										
1/2 X .058		1202	1203								
5/8 X .058			1303	1304	1305						
3/4 X .058			1403	1404	1405						
3/4 X .065			1503	1504	1505						
7/8 X .058				1604	1605	1606					
7/8 X .065				1704	1705	1706					
7/8 X .083				1804	1805	1806					
1" X .058				1904	1905	1906	1907				
1" X .065				2004	2005	2006	2007				
1" X .083				2104	2105	2106	2107				
1" X .095				2204	2205	2206	2207				
1 1/8 X .058						2306	2307				
1 1/8 X .065						2406	2407				
1 1/8 X .083						2506	2507	2508			
1 1/8 X .095						2606	2607	2608			
1 1/4 X .095							2707	2708			
1 1/4 X .120							2807	2808			
1 3/8 X .095							2907	2908			
1 3/8 X .120							3007	3008			
1 1/2 X .095							3057	3058			
1 1/2 X .120								3108	3109		
1 1/2 X .250								3208	3209		
1 3/4 X .120								3308	3309	3310	3311
1 3/4 X .250								3408	3409	3410	
2" X .250											3511

NOTES:

1. FOR LEFT HAND THREAD, ADD "L" TO SUFFIX. **EXAMPLE: 1706L**

Left handed threaded parts have a distinctive mark around the outside diameter.

2. PART NUMBERS 2908L AND 2708L AVAILABLE WITH HEX. ADD "H" TO SUFFIX. **EXAMPLE: 2908L-H**

3. ALL TUBE ENDS ARE MADE FROM 4130 CHROMEMOLY.



F.K. Bearing makes no warranties, expressed or implied, as the suitability of our Tube Ends for any application.

Tube Ends must be welded in place by a skilled welder, using proper welding techniques.

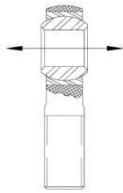


TUBE ENDS 2908L-H
AND 2708L-H SHOWN

ENGINEERING DATA



RADIAL LOAD - A LOAD APPLIED NORMAL TO THE BEARING BORE AXIS AND PARALLEL TO THE SHANK AXIS.



AXIAL LOAD - A LOAD APPLIED ALONG THE BEARING BORE AXIS.

STATIC RADIAL LIMIT LOAD - THAT STATIC LOAD REQUIRED TO PRODUCE A SPECIFIED PERMANENT SET IN THE BEARING STRUCTURE. IT WILL VARY FOR A GIVEN SIZE AS A FUNCTION OF CONFIGURATION. IT MAY ALSO BE PIN LIMITED AS A FUNCTION OF BODY RESTRAINTS AS IN THE CASE OF ROD END BEARINGS.

STATIC RADIAL ULTIMATE LOAD - THAT LOAD THAT CAN BE APPLIED TO A BEARING WITHOUT FRACTURING THE BALL, RACE, OR ROD END EYE. THE ULTIMATE LOAD RATING IS USUALLY, BUT NOT ALWAYS 1.5 TIMES THE LIMIT LOAD.

STATIC AXIAL LIMIT LOAD - THAT LOAD THAT CAN BE APPLIED TO A BEARING TO PRODUCE A SPECIFIED PERMANENT SET IN THE BEARING STRUCTURE.

STATIC AXIAL ULTIMATE LOAD - THAT LOAD THAT CAN BE APPLIED TO A BEARING WITHOUT SEPARATING THE BALL FROM THE RACE. THE ULTIMATE LOAD RATING IS USUALLY, BUT NOT ALWAYS 1.5 TIMES THE LIMIT LOAD.

ANGLE OF MISALIGNMENT

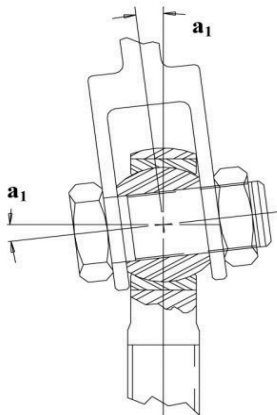


FIGURE 1

$$a_1 = \sin^{-1} \frac{W}{D} - \sin^{-1} \frac{H}{D}$$

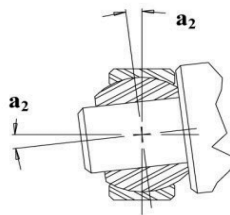


FIGURE 2

$$a_2 = \sin^{-1} \frac{W}{A} - \sin^{-1} \frac{H}{A}$$

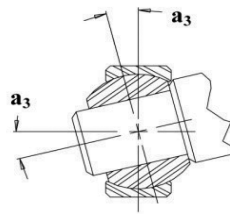


FIGURE 3

$$a_3 = \sin^{-1} \frac{W}{R} - \sin^{-1} \frac{H}{R}$$

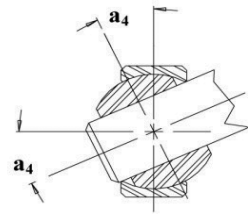


FIGURE 4

$$a_4 = \cos^{-1} \frac{B}{R} - \sin^{-1} \frac{H}{R}$$

B - Ball Bore
M - Outer Race Chamfer
D - Head Diameter or Outer Race Diameter
R - Ball Diameter
H - Housing Width
A - $\sqrt{(D-2M)^2 + H^2}$
W - Ball Width

FK BEARINGS	ALINABAL	AURORA	HEIM / RBC	TUTHILL / SUPERIOR	SEALMASTER / SPHERCO	NMB / NHBB
MALE ROD ENDS						
CM	AM-GP	CM	M-CR	MSM	CFM	AHM / LSPL
CM-T	AM-T-GP	VCM		MSM-T	CFM-T	
CM-Y	AM-S-GP	CM-S	M-CRY	MSM-S	CFM-Y	
CM-M		CM-M		EM-M		
CMX / CMXT		CAM/VCAM		MAX/MAX-T		
M-SB	VM-G		HM-C	MBM	TM	
NJM	PM	SPM	CMHD	NM/SPM	CTMD	
JM		MM/KM	HMA	MTSM	TRE	HAMR
JMX	RM-X5	AM	BHM	TSMX	ARE	HAMRX
JMX-MT		AM-MT				
EMX			HMX		ARE-20N	
RJMX-T		RAM-T		NSMX-T		
RSM	LCRM-1-X5	XM		RM		AXM
RSMX	RM-1-X5	XAM		RMX		XAMX
HJMX-T		HAM-T				
HRSMX-T		HXAM-T				ARYT-ECR
PMX-T		PRM-T				ART-ES
ALJM / ALJMH	ARM-X5	ALM		KCA		ALRE
ALRSM	ARM-1-X5	XALM		KCAX		XALRE
SCM-T		CM-ET		SSM-T		
SJM-T		SM-ET	ME	SSAM-T		ART-ECR
SRSM-T				SSHM-T		ARHT-ECR
FEMALE ROD ENDS						
CF	AF-GP	CW	F-CR	MSF	CFF	AHF-CSPL
CF-T	AFT-T-GP	CW-T		MSF-T	CFF-T	
CF-M		CW-M		EF-M		
F-SB	VF-G		HF-C	MBF	TF	
NJF	PF	SPW	CFHD	NF/SPF	CTFD	
JF	CF	MW/KW	HFA	MTSF	TRE	HAFR
JFX		AW	BHF	TSFX	AR	HAFRX
JFX-MT		AW-MT				
ALJF		ALW				
SCF-T		CW-ET		SSF-T		
SJF-T		SW-ET		SSAF-T		ART-CR
SPHERICAL BEARINGS						
COM	COM-E	COM	COM	COM	COM	CBG
COM-H		HCOM			BH-LS	RSH
HIN-T		HAB-T		YSSB		ABYT
FKS		COM-KH	LHA		SBGS	RSH
FKS-T		COM-KHT				RS-T
FKSSX-T		NC-T	NE/LHSSE	NSSB	NRR	ABT
FKSSX-TV		NC-TG	NE-G/LHSSVV	NSSB-V	NRRG	ABT-V
WSSX-T		WC-T	WE	WSSB	WRR	ABWT
WSSX-TV		WC-TG	WG	WSSB-TV	WRRG	ABWT-V
GEZ-ES		GEZ-ES		GEZ-ES		
GE-ES		GE-ES		GE-ES		
AIN		AIB				

NOTE: This interchange table shows approximate equivalency. It is not intended that all manufacturer's products are functionally interchangeable in all applications. F.K. Bearings reserves the right to change specifications and other information included in this catalog without notice. All information, data, and dimension tables in the catalog have been carefully compiled and thoroughly checked. However, no responsibility for possible errors or omissions can be assumed.

WARNING! The manufacturer can not determine all applications of it's products. It is up to the customer to determine a suitable part for their application. For assistance, please contact FK's engineering department.

FK BEARINGS

Distributed by:



865 W. Queen Street
Southington, Ct 06489

800.662.4003
860.628.8722
860.276.0463 Fax

fkrodends.com