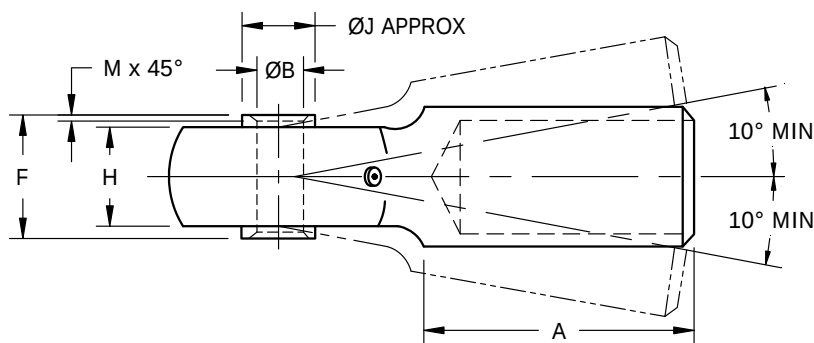
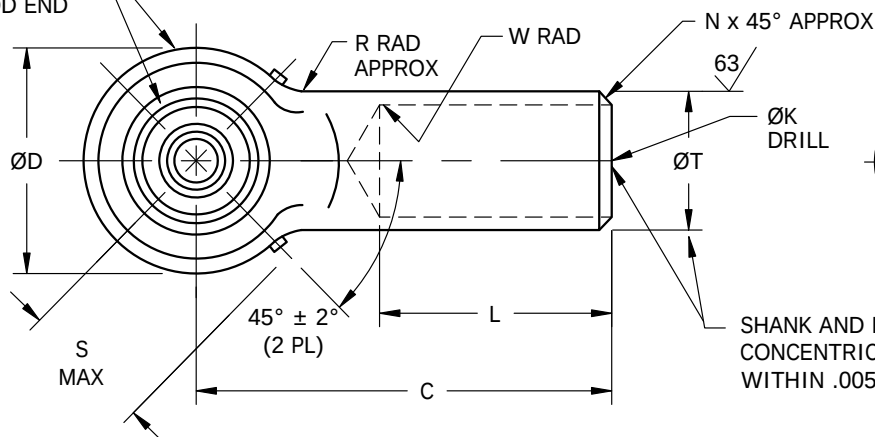




COMPLETE NAS PART
NUMBER ON SHIELD OR
ON HEAD OF ROD END



NAS516-1A LUBRICATOR
FITTING. 2 REQUIRED
WHEN SPECIFIED.

SHANK AND HOLE SHALL BE
CONCENTRIC AND PARALLEL
WITHIN .005 (.010 FIM).

FIGURE 1 – BEARING, ROD END

TABLE I – DIMENSIONS

PART NO.	ØB +.0005 -.0000	ØT +.000 -.002	A ± .010	C ± .010	ØD MAX	F +.000 -.005	H MAX	ØJ	ØK +.010 -.001	L ± .10	M +.015 -.000	N ± .010	S MAX	R RAD	W RAD +.03 -.00	STATIC LIMIT LOAD		WEIGHT LBF (APPROX) /2/		
																RADIAL LBF	AXIAL LBF	HOLLOW SHANK BRG	EPOXY FILLED BRG	SOLID SHANK BRG
NAS660-3-7	.1895	.430	.975	1.538	.791	.562	.448	.312	.281	.785	.005	.025	.50	.39	.03	1,000	200	.07	.08	.09
NAS660-4-9	.2495	.555	1.125	1.750	.948	.687	.541	.365	.406	.941	.005	.030	.56	.44	.06	1,720	340	.12	.13	.16
NAS660R4-11	.2495	.680	1.475	2.163	1.073	.625	.479	.404	.516	1.285	.005	.030	.63	.44	.09	3,025	605	.19	.20	.28
NAS660R5-14	.3120	.870	2.000	2.906	1.448	.812	.666	.515	.703	1.785	.015	.030	.84	.50	.09	7,350	1,470	.40	.44	.61
NAS660R6-16	.3745	.995	2.000	3.250	1.760	.937	.760	.564	.812	1.785	.015	.030	.97	.62	.09	9,600	1,920	.66	.71	.94

④ COMPLETELY REVISED



THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

NAS661

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

**BEARING, ROD END, PLAIN SHANK, SELF ALIGNING,
ANTI-FRICTION**

④

REVISION

4

CLASSIFICATION
PART STANDARD

NAS660
SHEET 1 OF 3



Documents
Document Sharing Hub

MATERIAL:

STEEL – IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
EPOXY BASE FILLER (FOR CODE “P” BEARINGS) – IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

FINISH:

CADMIUM PLATE – IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

EXAMPLE OF PART NUMBER:

NAS660 R 4 P 11 E = ROLLER BEARING ROD END, HOLLOW SHANK FILLED WITH EPOXY BASE FILLER;
Ø.2495 BORE, Ø.680 SHANK WITH LUBRICATION FITTINGS.

“F” = LUBRICATION FITTINGS; OMIT WHEN LUBRICATION FITTINGS ARE NOT REQUIRED

SHANK OUTSIDE DIAMETER IN 1/16 INCH NOMINAL INCREMENTS.

“P” = HOLLOW SHANK FILLED WITH EPOXY BASE FILLER
“S” = SOLID SHANK
“–” = HOLLOW SHANK

BORE DIAMETER IN 1/16 INCH NOMINAL INCREMENTS

“R” = ROLLER BEARING (AVAILABLE ONLY IN 3 LARGEST SIZES IN TABLE)
“–” = BALL BEARING (AVAILABLE ONLY IN 2 SMALLEST SIZES IN TABLE)

BASIC PART NUMBER

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) LUBRICATION FITTINGS PER NAS516-1A ADD A NEGLIGIBLE WEIGHT INCREMENT TO THE VALUES SHOWN IN TABLE.
- (3) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (4) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (5) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (6) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.