FEDERAL SUPPLY CLASS
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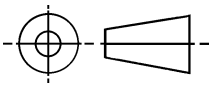

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AEROSPACE STANDARD

BEARING, ROLLER, NEEDLE, TRACK ROLLER, SEALED, TYPE X, ANTIFRICTION, INCH

AS21442
SHEET 1 OF 3

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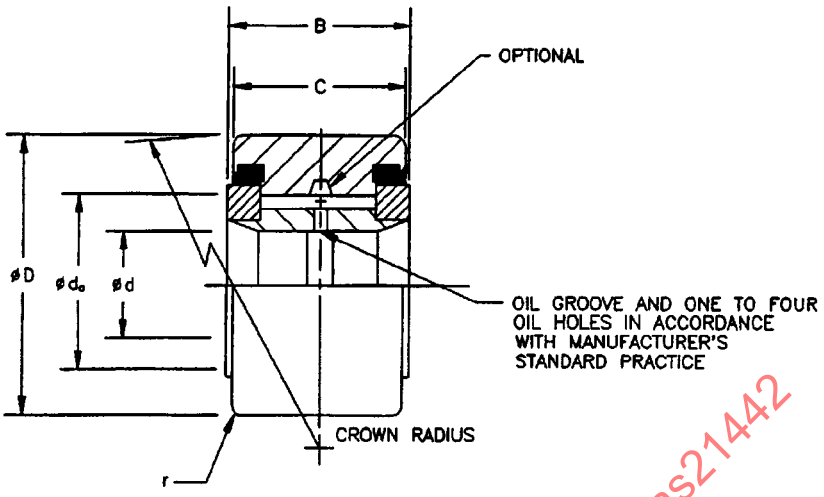

TABLE I

DIMENSIONS IN INCHES

DASH NO.	Ød BORE	ØD OUTSIDE DIAMETER	C OUTER RING WIDTH	B OVERALL WIDTH	ØD$_a$ CLAMPING DIAMETER MINIMUM	CROWN RADIUS REF	r MAX FILLET CORNER WILL CLEAR	TOTAL RADIAL CLEARANCE MAX	CAPACITY AS A TRACK ROLLER	TRACK CAPACITY LBS	LIMIT LOAD RATING LBF	MASS (APPROX) LB
-121	0.2500	0.7500	0.500	0.5625	0.500	10.00	0.016	0.0023	2000	1030		0.06
-141	0.2500	0.8750	0.500	0.5625	0.500	10.00	0.016	0.0023	2000	1160	2600	0.08
-161	0.3125	1.0000	0.625	0.6875	0.641	12.00	0.032	0.0023	2900	1480	3900	0.15
-181	0.3125	1.1250	0.625	0.6875	0.641	12.00	0.032	0.0023	2900	1670	3900	0.17
-201	0.3750	1.2500	0.750	0.8125	0.766	14.00	0.047	0.0023	4500	2330	5500	0.24
-221	0.3750	1.3750	0.750	0.8125	0.766	14.00	0.047	0.0023	4500	2570	5500	0.30
-241	0.4375	1.5000	0.875	0.9375	0.891	20.00	0.063	0.0023	5800	3380	7300	0.41
-261	0.4375	1.6250	0.875	0.9375	0.891	20.00	0.063	0.0023	5800	3660	7300	0.50
-281	0.5000	1.7500	1.000	1.0625	1.047	20.00	0.063	0.0023	8100	4500	10300	0.64
-301	0.5000	1.8750	1.000	1.0625	1.047	20.00	0.063	0.0023	8100	4820	10300	0.80
-321	0.6250	2.0000	1.250	1.3125	1.203	24.00	0.094	0.0023	11100	6550	13800	1.05
-361	0.6250	2.2500	1.250	1.3125	1.203	24.00	0.094	0.0023	11100	7370	13800	1.32
-401	0.7500	2.5000	1.500	1.5625	1.313	30.00	0.094	0.0023	16200	9250	21600	1.80
-441	0.7500	2.7500	1.500	1.5625	1.313	30.00	0.094	0.0023	16200	10200	21600	2.25
-481	1.0000	3.0000	1.750	1.8125	1.750	30.00	0.125	0.0023	24600	13400	32800	3.10
-521	1.0000	3.2500	1.750	1.8125	1.750	30.00	0.125	0.0023	24600	14500	32800	3.62
-561	1.1250	3.5000	2.000	2.0625	1.922	30.00	0.125	0.0023	31200	18300	41700	4.95
-641	1.2500	4.0000	2.250	2.3125	2.281	30.00	0.125	0.0023	41000	24100	54700	7.05

TABLE II TOLERANCE LIMITS

Ød BASIC BORE		ALLOWABLE DEVIATION FROM d OF SINGLE MEAN DIA., dmp		ALLOWABLE DEVIATION FROM OVER-ALL WIDTH B	
OVER	INCL	HIGH	LOW	HIGH	LOW
0.1875	0.7500	+0.0002	-0.0004	+0.005	-0.010
0.7500	1.2500	+0.0001	-0.0005	+0.005	-0.010

D BASIC OUTSIDE DIAMETER		ALLOWABLE DEVIATION FROM D OF SINGLE MEAN DIA., dmp		ALLOWABLE DEVIATION FROM OVER RING WIDTH C	
OVER	INCL	HIGH	LOW	HIGH	LOW
0.625	4.000	0.0020	-0.0000	+0.005	-0.005