

FED. SUPPLY CLASS

5315

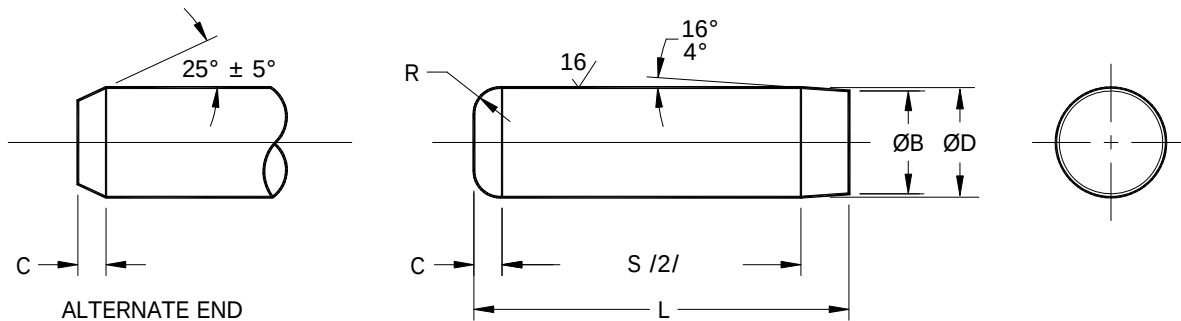


TABLE I – CONFIGURATION DIMENSIONS

NOMINAL SIZE	ØD		ØB POINT		C & R CROWN HEIGHT AND RADIUS		DOUBLE SHEAR STRENGTH LBF MIN	
	MAX	MIN	MAX	MIN	MAX	MIN	CARBON OR ALLOY STEEL	CRES
.0625	.0628	.0626	.058	.042	.020	.008	800	610
.0781 /6/	.0784	.0782	.074	.058	.026	.010	1,240	700
.0938	.0941	.0939	.090	.074	.031	.012	1,800	1,000
.1250	.1253	.1251	.121	.105	.041	.016	3,200	1,800
.1562 /6/	.1565	.1563	.152	.136	.052	.020	5,000	2,800
.1875	.1878	.1876	.183	.167	.062	.023	7,200	4,000
.2500	.2503	.2501	.246	.230	.083	.031	12,800	7,200
.3125	.3128	.3126	.309	.293	.104	.039	20,000	11,000
.3750	.3753	.3751	.371	.355	.125	.047	28,000	16,000
.4375	.4378	.4376	.433	.417	.146	.055	38,000	22,000
.5000	.5003	.5001	.496	.480	.167	.063	50,000	29,000
.6250	.6253	.6251	.621	.605	.208	.078	78,000	45,000
.750	.7503	.7501	.746	.730	.250	.094	114,000	65,000
.875	.8753	.8751	.871	.855	.293	.109	156,000	88,000
1.000	1.0003	1.0001	.996	.980	.333	.125	204,000	110,000

② COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS16555 REVISION C. PART NUMBERS REMAIN MS16555.

THIRD ANGLE PROJECTION		CUSTODIAN		REVISION	
		NATIONAL AEROSPACE STANDARDS COMMITTEE		2	
PROCUREMENT SPECIFICATION		TITLE		CLASSIFICATION PART STANDARD	
		PIN, STRAIGHT, HEADLESS, DOWEL, .0002 OVER NOMINAL SIZE		NASM16555	
NASM21143				SHEET 1 OF 4	

MATERIAL:

CARBON OR ALLOY STEEL IN ACCORDANCE WITH ASTM A29/A29M. THE MAXIMUM SULFUR AND PHOSPHORUS CONTENT SHALL NOT EXCEED .04 AND .05 PERCENT. CORROSION RESISTANT STEEL, TYPE 416 (UNS S41600) OR TYPE 410 (UNS S41000) AS SPECIFIED IN ASTM A582 AND ASTM A483.

HARDNESS:

CARBON OR ALLOY STEEL PINS SHALL HAVE A CORE HARDNESS OF 47-58 HRC, AND A CASE HARDNESS OF 60 HRC MINIMUM. THE CORE HARDNESS OF THE PINS SHALL NOT IN ANY INSTANCE EXCEED THE CASE HARDNESS. MINIMUM PENETRATION FOR THE CASE HARDNESS SHALL NOT BE LESS THAN .020 INCH. PINS 1/16 INCH AND LESS IN DIAMETER MAY HAVE A HARDNESS OF 58-64 HRC THROUGHOUT. CORROSION RESISTANT STEEL PINS, TYPE 416 (UNS S41600) OR TYPE 410 (UNS S41000) SHALL HAVE A HARDNESS OF 36-42 HRC.

FINISH:

CARBON OR ALLOY STEEL-PLAIN MAY BE FURNISHED WITH BLACK OXIDE COATING IN ACCORDANCE WITH MIL-DTL-13924, CLASS 1. CARBON OR ALLOY STEEL PHOSPHATE COATED IN ACCORDANCE WITH MIL-DTL-16232, TYPE Z, CLASS 2. CORROSION RESISTANT STEEL SHALL BE CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH ASTM A380.

EXAMPLE OF PART NUMBER:

THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE II.

MS16555-1
 └─── DASH NUMBER
 └─── BASIC MS NUMBER

MS16555-1 = PIN, STRAIGHT, HEADLESS (DOWEL)(.0002 OVER NOMINAL SIZES); LENGTH .188; NOMINAL SIZE .0625; CARBON OR ALLOY STEEL-PLAIN.

NOTES:

- (1) ALL DIMENSIONS ARE IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /2/ EFFECTIVE LENGTH "S" SHALL BE A MINIMUM OF 75 PERCENT OF TOTAL PIN LENGTH "L".
- (3) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (4) 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.
- (5) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- /6/ INACTIVE FOR NEW DESIGN AFTER 8 APRIL 1975.
- (7) SURFACE ROUGHNESS: PRIOR TO COATING SURFACE ROUGHNESS SHALL BE 16 MICROINCHES Ra FOR "S" LENGTH AND 125 MICROINCHES Ra FOR ALL OTHER SURFACES IN ACCORDANCE WITH ASME B46.1.
- (8) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

2

MS16555

SHEET 2

② COMPLETELY REVISED