FED SUP CLASS
NONE

GRAYLOC CLAMPS

DIMENSION	SIZE	TOLERANCE
A	½" THRU 3" 4" THRU 6"	±.031 ±.063
B	½" THRU 6"	±.063
C	FOR REFERENCE ONLY	
D	1" THRU 3" 4" THRU 6"	±.250 ±.375
E	½" THRU 3" 4" THRU 6"	±.250 ±.375
F,G,J,K	FOR REFERENCE ONLY	
M	½" THRU 3" 4" THRU 6"	±.250 ±.375
N	½" THRU 6"	±.031

GRAYLOC HUBS

DIMENSION	SIZE	TOLERANCE
A	½" THRU 3" 4" THRU 6"	±.031 ±.063
B	½" THRU 5" 6"	+.094-.031 +.156-.031
C	½" THRU 6"	±.063
D	BUTTWELD ½" THRU 6" BLIND ½" THRU 5" BLIND 6"	±.063 +.063 +.125
E	½" THRU 6"	±.063
F	½" THRU 6"	±.031
G	½" THRU 6"	+.125 -.063
25° CLAMPING SURFACE ON HUB	½" THRU 6"	±1°
BUTTWELD BEVEL IN ACCORDANCE WITH ANSI B16.25		

NOTE: TOLERANCE ON ANGLES, WHERE APPLICABLE SHALL BE ±1°.

GRAYLOC SEAL RINGS

DIMENSION	SIZE	TOLERANCE
A	4 THRU 34 40 THRU 62	±.031 ±.063
C	4 THRU 34 40 THRU 62	±.031 ±.125
D	FOR REFERENCE ONLY	
E	4 THRU 62	±.016
F	4 THRU 34 40 THRU 62	+.031-.000 +.063-.000

GRAYLOC FITTINGS

DIMENSION	SIZE	TOLERANCE
A	½" THRU 3" 4" THRU 6"	±.031 ±.063
B	½" THRU 6"	±.031
C	½" THRU 6"	±.063
D	½" THRU 6"	±.063

APPROVED: 1-6-69 REVISED: (8) REV & REDRAWN 8-1-90

CUSTODIAN: JOHN F. KENNEDY SPACE CENTER

PROCUREMENT SPEC.
NONE

COORDINATION STATUS
KSC DE

DIMENSION TOLERANCES FOR HUB STYLE FLANGE FITTINGS

DESIGN STANDARD
KC161

SHEET 1 OF 1

KSC FORM 32-85 (CG 4/92)

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