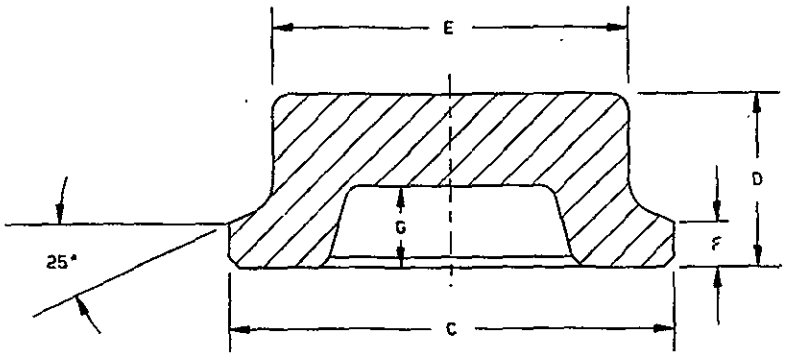
FED SUP CLASS
4730



MATERIAL CODE: SEE SHEET 2.

TEMPERATURE RANGE: SEE MATERIAL SPECIFICATION.

NOTES:

1. ALL MATERIALS ARE PER ASTM SPECIFICATIONS
2. ALL DIMENSIONS ARE IN INCHES.
3. TOLERANCE: SEE KC161.
4. FOR DESIGN FEATURE PURPOSES, THIS DRAWING TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON THE DATE OF INVITATION FOR BID.
6. DASH NUMBERS 1 TO 3 ARE NOT TO BE USED FOR NEW DESIGN. SEE DASH NUMBERS 18 TO 21.
7. DO NOT USE THIS STANDARD FOR ITEMS WHICH CANNOT BE IDENTIFIED BY THE LIMITATIONS CONTAINED HEREIN.
8. ALL PARTS NOT MANUFACTURED BY GRAY TOOL CO. MUST BE CERTIFIED BY THE MANUFACTURER TO BE INTERCHANGEABLE WITH THE GRAY TOOL PART NUMBER.

EXAMPLE OF PART NOS. BASIC PART NUMBER KC160-3A

- MATERIAL CODE
- DASH NUMBER

APPROVED SOURCE: COMMERCIAL PARTS CAN BE PURCHASED FROM: VETCO-GRAY INC. 10777 NW FWY P.O. BOX 2291, HOUSTON, TX 77001-2291.

ALTERNATE SOURCES:

OTECO EQUIPMENT COMPANY
2811 TROUT STREET
P.O. BOX 1849
HOUSTON, TX 77251-1849

REFLANGE, INC.
5730 CENTRALCREST
HOUSTON, TX 77092

REVISED: (E) CHANGED APPROVED SOURCE. 10-2-92

APPROVED: 9-19-67

CUSTODIAN: JOHN F. KENNEDY SPACE CENTER		
PROCUREMENT SPEC. NONE	HUB, BLIND PIPE	STANDARD PART
COORDINATION STATUS		KC160
KSC DE		SHEET 1 OF 2

KSC FORM 32-85 (CG 4/92)

NOTICE: WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

FED SUP CLASS
4730

	DASH NO.	HUB SIZE	DIMENSIONS C	D	E	F	G	-A SA-105* GR11 GRAYLOC STK NO.	-B SA-182 F-316SS GRAYLOC STK NO.
6	1	½-¾GR4	1.562	1.250	1.063	.133	.438	59045	59378
6	2	½-¾GR5	1.562	1.250	1.063	.133	.438	59047	59380
6	3	1-1¼-1½GR11	3.125	2.125	2.375	.500	.562	59050	59300
	4	1¼-1½GR14	3.125	2.125	2.375	.437	.688	59000	59305
	5	2GR14	3.625	2.250	2.875	.437	.688	59053	59310
	6	2GR20	3.625	2.250	2.875	.437	.688	59002	59315
	7	2½GR20	5.000	2.500	4.000	.500	.688	59022	59320
	8	2½GR25	5.000	2.500	4.000	.500	.688	59020	59325
	9	3GR27	5.000	2.500	4.000	.500	.938	59006	59330
	10	4GR31	6.000	2.375	5.000	.500	.938	59024	59345
	11	4GR34	6.000	2.375	5.000	.500	1.062	59060	59340
	12	4GR40	6.000	2.125	5.000	.500	1.000	59010	59335
	13	5GR52	7.500	2.875	6.500	.625	1.000	58992	59354
	14	5GR46	7.500	2.875	6.500	.625	1.000	59148	59279
	15	5GR40	7.500	3.500	6.500	.625	1.000	58990	59347
	16	6GR52	9.250	3.500	7.750	.812	1.000	59064	59350
	17	6GR62	9.250	2.875	7.750	.750	1.000	59014	59349
	18	1GR4	2.000	1.750	1.500	.313	.438	58955	59497
	19	1GR5	2.000	1.750	1.500	.313	.438	58922	59525
	20	1GR7	2.000	1.750	1.500	.313	.563	58915	59523
	20	1GR11	2.000	1.750	1.500	.313	.563	59592	59524

* ½" AND ¾" SIZES MAY BE FURNISHED FROM SA-107-GR 1030 UNLESS OTHERWISE SPECIFIED.

REVISED: (E) CHANGED APPROVED SOURCE ON SHEET 1. 10-2-92

APPROVED: 9-19-67

NOTICE: WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR ANY OBLIGATION WHATSOEVER AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

CUSTODIAN: JOHN F. KENNEDY SPACE CENTER

PROCUREMENT SPEC.
NONE

COORDINATION STATUS
KSC DE

HUB, BLIND PIPE

STANDARD PART
KC160

SHEET 2 OF 2

KSC FORM 32-85 (CG 4/92)