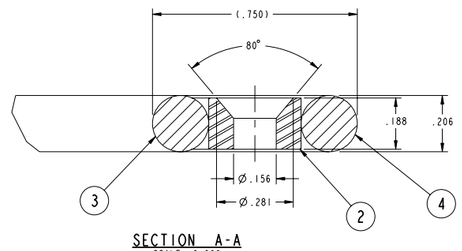
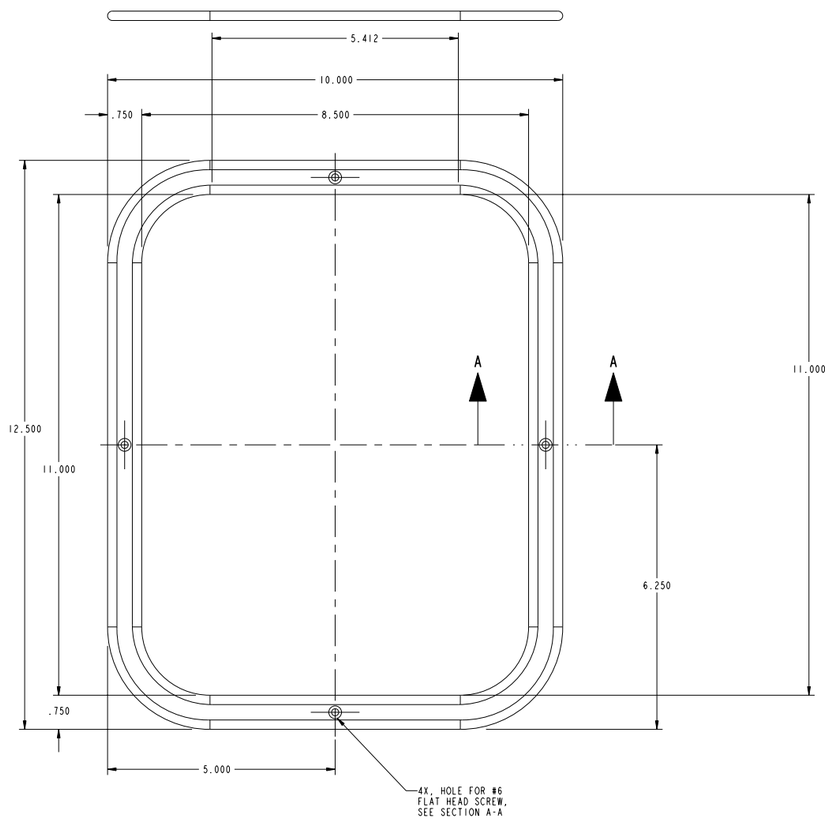
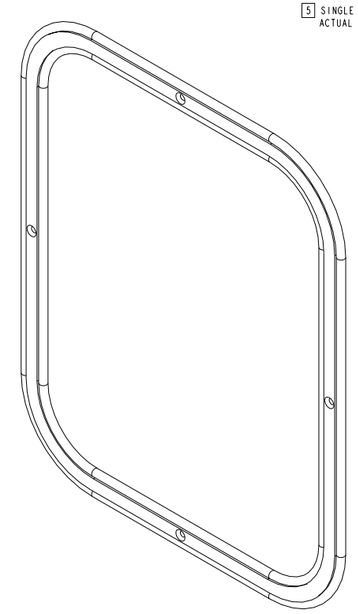


SECTION A-A
SCALE 6.000



FRONT VIEW
SCALE 1.000



AUXILIARY VIEW
SCALE 1.000

NOTES

1. INTERPRET DRAWING PER GLOBAL ENGINEERING DOCUMENTS DRAWING REQUIREMENTS MANUAL.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M.
3. DIMENSIONS ARE IN INCHES.

[4] GARLOCK HELICOFLEX, 2770 THE BLVD.
COLUMBIA S.C. 29290, PHONE 803-783-1880

SPECIFICATIONS:
SEAL TYPE: HNV 230
JACKET MATERIAL: TITANIUM
WORKING TEMPERATURE: 200 DEGREES FAHRENHEIT
PRESSURE: 30 PSI, COMPRESSION: 0.016
SEATING LOAD: 1,700 LBS/IN SEAL CIRCUMFERENCE
FLANGE FINISH: 16 RMS (OR BETTER). MARKS TO FOLLOW THE SEAL CIRCUMFERENCE.
MIN. FLANGE HARDNESS: 180 HV
CUSTOMER TARGET LEAK RATE: < 1×10^{-5} STD CC/SEC HE

[5] SINGLE CORE VESSEL INSERT GASKET ASSEMBLY IS FOR REFERENCE ONLY. ACTUAL DESIGN MAY VARY. USE ENVELOPE DIMENSIONS TO FABRICATE.

5		1		107030600M8E8700A175-4	OUTER SEAL RING	---	---	4
5		1		107030600M8E8700A175-3	INNER SEAL RING	---	---	3
5		1		107030600M8E8700A175-2	GASKET RETAINING RING	---	---	2
4 5		1		107030600M8E8700A175-1	SINGLE C.V. INS GSKT ASSY	---	---	1
107030600M8E8700A009	-1	CAGE CODE		PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
		NEXT ASSEMBLY			PARTS LIST			

QUALITY VERIFICATION
MECHANICAL AND STRUCTURAL
REFERENCE SNS-QA-G002

QV CLAUSE	DOCUMENTS REQUIRED	APPLICABLE TO PART NO *
303	MATERIAL MILL TEST REPORT	-
325	MATERIAL SELLER CERT	-
326	SPECIAL MATERIAL INSPECTION REPORT	-
205	MANUFACTURING INSPECTION AND TEST PLAN	-
312	FIELD INSPECTION AND TEST PLAN	-
321	WELD AND BRAZE INSPECTION REPORT	-
322	HEAT TREAT REPORT (INCONEL)	-
310	LEAK TEST REPORT	-
315	CLEANING CERT	-
318	DEVIATION REQUEST	-
319	NONCONFORMANCE PROCESS	-
323	DIMENSIONAL REPORT	-
330	FUNCTIONAL TEST REPORT	-
100	DOCUMENTATION	-

* SYMBOL X INDICATES APPLICABLE TO ALL PARTS OR ITEMS

QA REP ..... DATE .....

RPE

REV. XX DATE XX/XX/XX

107030600M8E8700A175

PRELIMINARY

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM___XXXX___
ENGINEERING PROCEDURE___XXXX___

REV	CHANGE TYPE	CHANGE CONTROL NO	ATTACH NO	DESCRIPTION	BY	CHK	SECT	DEPT	DATE	PE	REQ	DOE
00A	—	3	—	ISSUE FOR COMMENT AND INFORMATION	SMR				11/01			

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SCALE AS NOTED
TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS ±
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0°15'
BREAK SHARP EDGES .06 MAX
FINISH 125 RMS UNLESS OTHERWISE SPECIFIED

DRAWING APPROVALS		DATE
DES	DMW/MEP	11/01
DRW	M.E.PHLLIPS	11/01
CHK		
L3		
L2		
	T.E. FORNEK	11/01

ornl Oak Ridge National Laboratory
operated for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC-05-84OR21400
Oak Ridge, Tennessee
SNS Spallation Neutron Source

SPALLATION NEUTRON SOURCE PROJECT
SINGLE CORE VESSEL INSERT
SINGLE C.V. INSERT GASKET ASSEMBLY

BLDG	FL	SHT OF	CLASS
8700	1ST	1 1	U

107030600M8E8700A175 — REV 00A