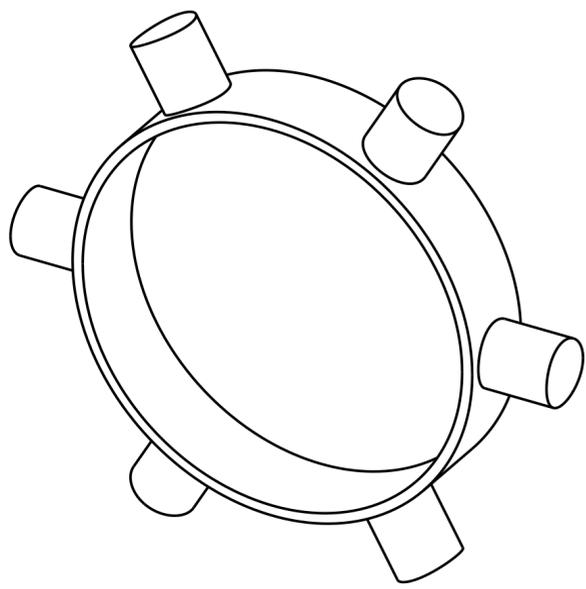


NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR OBLIGATION WHATSOEVER, AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE 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.

EAR 99 NLR

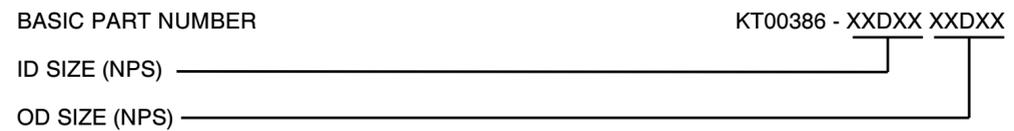
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVAL

THE INFORMATION CONTAINED IN THE DOCUMENT IS TECHNICAL IN CONTENT, BUT IS NOT TECHNICAL DATA AS DEFINED BY THE ITAR OR THE EAR, AND THEREFORE IS EAR 99 NLR (NO EXPORT LICENSE REQUIRED). [GENERAL PROHIBITION SIX (EMBARGO) APPLIES TO ALL ITEMS SUBJECT TO THE EAR, I.E. ITEMS ON THE CCL AND WITHIN EAR 99 NLR. YOU MAY NOT MAKE AN EXPORT OR RE-EXPORT CONTRARY TO THE PROVISIONS OF PART 746 (EMBARGOS AND OTHER SPECIAL CONTROLS) OF THE EAR AND 22 CFR PART 126.1 OF THE ITAR.]
EDDR #: 1313848

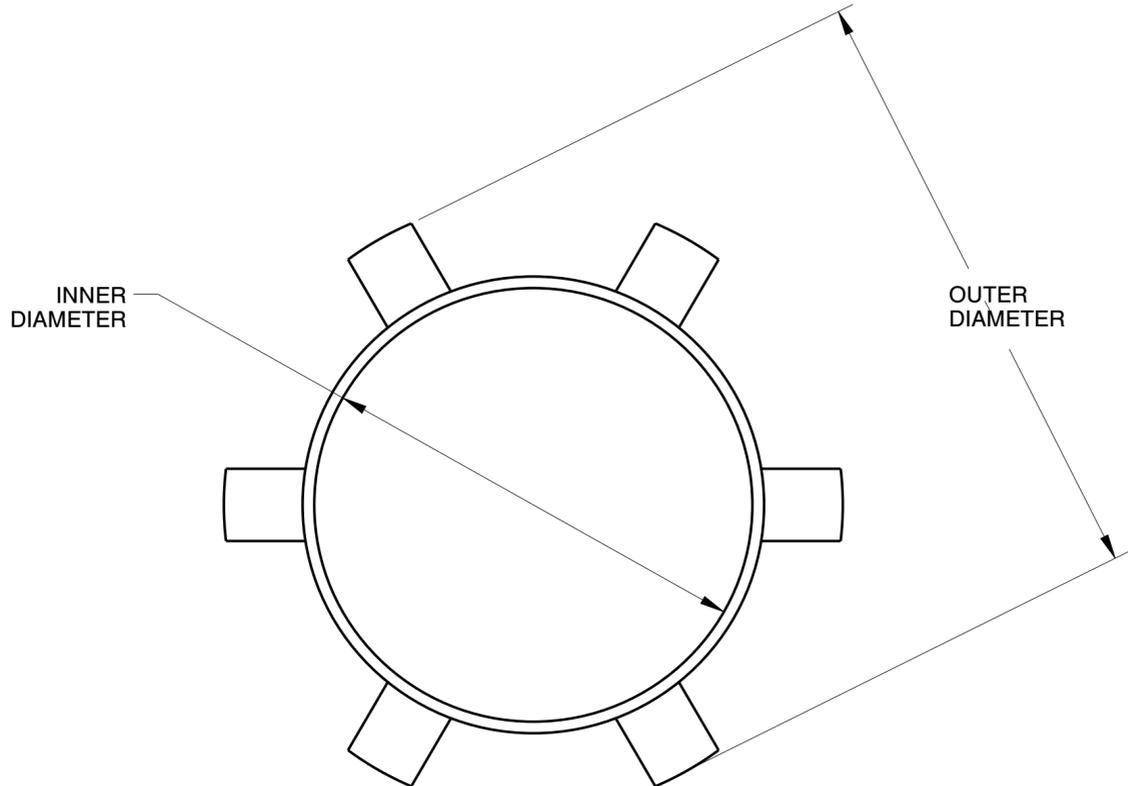


ISOMETRIC

- NOTES:
- GENERAL
- 1A. THIS DRAWING PROVIDES A GENERAL REPRESENTATION FOR THE INDICATED PART.
- MATERIAL
- 2A. MATERIAL FOR THIS PART SHALL BE DEFINED BY THE SPECIFICATION AT THE NEXT LEVEL OF ASSEMBLY.
- ASSEMBLY
- 3A. ADDITIONAL DIMENSIONAL AND DESIGN RESTRICTIONS SHALL BE DEFINED AT THE NEXT LEVEL OF ASSEMBLY.
- MARKING
- 4A. BELOW IS THE METHOD FOR PART NUMBER CONSTRUCTION



NUMBER	INTERFACE DATA (NPS)	
	INNER DIAMETER	OUTER DIAMETER
KT00386-00D7502D00	3/4	2
KT00386-01D0002D50	1	2-1/2
KT00386-02D0004D00	2	4
KT00386-03D0005D00	3	5
KT00386-04D0006D00	4	6
KT00386-06D0008D00	6	8
KT00386-08D0010D00	8	10
KT00386-10D0012D00	10	12
KT00386-14D0016D00	14	16



CAD MAINTAINED. CHANGES SHALL BE INCORPORATED ONLY BY THE DESIGN ACTIVITY.	SOFTWARE	CREO PARAMETRIC 2.0	UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES. INTERPRET DIM AND TOL PER ASME Y14.5-2009. TOLERANCES ON: FRACTIONS DECIMALS ANGLES $\pm 1/16$ 1 PL $\pm .1$ 1 PL $\pm .5^\circ$ 2 PL $\pm .03$ 3 PL $\pm .010$	ORIGINAL DATE OF DRAWING (YYYY/MM/DD)		JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA CRYOGENIC INTERNAL SUPPORT SPACER							
	FILENAME	KT00386D		DRAFTSMAN	S. A. BRYANT		CHECKER	C. L. JONES					
	MATERIAL	NOTED		ENGINEER			CHECKER						
	HEAT TREATMENT	NONE		ENGINEER			STRESS						
FINAL PROTECTIVE FINISH	NONE	THIRD ANGLE PROJECTION 		ENGINEER	E. L. THOMPSON								
		NEXT ASSY	USED ON	SUBMITTED	T. O. ADAMS	SIZE	C	CAGE CODE	22264	DWG NO	KT00386	REV	-
		APPLICATION		APPROVED	A. C. LITTLEFIELD	SCALE	NONE	UNIT WEIGHT	N/A	SHEET	1	OF	1

EAR 99 NLR

KT00386D (CRYOGENIC INTERNAL SUPPORT SPACER DRAWING)

Document Number: KT00386D
 Version: -
 Name: CRYOGENIC INTERNAL SUPPORT SPACER DRAWING
 Type: Drawing
 Container: SLS-GSDO Cryogenic Delivery Product
 State: Released
 Modified By: Stuart Bryant
 Modified On: Tue, Mar 25, 2014 10:30:50 EDT
 Change Requests: K-CR-10754

Maturity History

Version	State	Promoted By	Promoted On
-.7	Released	wcadmin-(Site)	Thu, Apr 17, 2014 14:20:12 EDT
-.7	Completed	Stuart Bryant	Tue, Mar 25, 2014 15:35:43 EDT
-.7	Under Review	wcadmin-(Site)	Tue, Mar 25, 2014 10:33:08 EDT
-.6	In Work	wcadmin-(Site)	Tue, Mar 25, 2014 09:53:14 EDT
-.6	Under Review	wcadmin-(Site)	Fri, Mar 21, 2014 10:25:12 EDT
-.1	In Work	James Tuckerman	Tue, Aug 13, 2013 22:55:09 EDT

KDDMS Routing History

CN/CT Number	Task	Assignee	Role	Events	Comment	Started	Completed
D-CN-10843	KSC Documentation Release Audit Change Notice	Nicholas Delgado	Change Admin III	Complete	released per KDP-P-2718	Thu, Apr 17, 2014 13:35:22 EDT	Thu, Apr 17, 2014 14:20:11 EDT
K-CT-10764	KSC Complete Signature Required Assignment	Brett Lannie	Assignee		routed for signature approval per KDP-P-2718	Tue, Apr 8, 2014 16:51:39 EDT	Tue, Apr 8, 2014 16:57:23 EDT
K-CT-10764	KSC Signature Required	Alan Littlefield	Signatory	Complete	CORRECT at next revision to add description and example for length callout XXDXX	Tue, Apr 8, 2014 16:57:23 EDT	Thu, Apr 17, 2014 13:35:22 EDT
K-CT-10764	KSC Signature Required	Theodore Adams	Signatory	Complete		Tue, Apr 8, 2014 16:57:23 EDT	Wed, Apr 9, 2014 13:42:57 EDT
K-CT-10764	KSC Signature Required	Edward Thompson	Signatory	Complete		Tue, Apr 8, 2014 16:57:23 EDT	Wed, Apr 9, 2014 10:39:28 EDT
K-CT-10764	KSC Signature Required	Dennis Lobmeyer	Signatory	Complete		Tue, Apr 8, 2014 16:57:23 EDT	Wed, Apr 9, 2014 09:10:39 EDT
K-CT-10764	KSC Signature Required	Joseph Stagi	Signatory	Complete		Tue, Apr 8, 2014 16:57:23 EDT	Wed, Apr 9, 2014 05:16:22 EDT
K-CT-10764	KSC Signature Required	Stuart Bryant	Signatory	Complete		Tue, Apr 8, 2014 16:57:23 EDT	Wed, Apr 9, 2014 05:03:09 EDT