TD-00077

FLANSCHE FÜR RECHTECKHOHLLEITER MIT NORMALPROFIL

1. Einleitung

1.1 Geltungsbereich

Metallische Rechteckhohlleiter mit Normalprofil zeichnen sich durch ein Breiten- zu Höhenverhältnis von exakt oder näherungsweise 2:1 aus. Normalprofil-Hohlleiter sind genormt in IEC 60153-2, EIA-261, MIL-DTL-85, MOD UK DEF-5351 und anderen.
Zur Verbindung von Normalprofil-Hohlleitern existiert eine Vielzahl von Hohlleiterflanschen. Diese sind im Detail maßlich festgelegt in den Normen IEC 60154-2, EIA-166, EIA-271, MIL-DTL-3922, MOD UK DEF-5352 und anderen.

1.2 Zweck

Zweck dieses Dokuments ist es, einen schnellen Überblick über die unterschiedlichen Formen der Flansche und ihre Hauptabmessungen zu geben. Des Weiteren wird eine einfache Bestimmung der normgerechten Flanschbezeichnung ermöglicht.

1.3 Anmerkungen

Trotz großer Sorgfalt bei der Zusammenstellung der Flanschdaten können sich noch einzelne Fehler in die Tabellen eingeschlichen haben. Für konstruktive Arbeiten muss daher trotzdem die jeweilige Norm konsultiert werden.

Dieses Dokument ist kein Produktkatalog. Es kann nicht zur Bestellung von Rohflanschen verwendet werden.

FLANGES FOR ORDINARY RECTANGULAR WAVEGUIDES

1. Introduction

1.1 Scope

Hollow metallic waveguides with ordinary rectangular cross section are characterized by a width-to-height ratio of exactly or approximately 2:1. Such waveguides are standardized in IEC 60153-2, EIA-261, MIL-DTL-85, MOD UK DEF-5351 and others.
For interconnection of ordinary waveguides there exists a plurality of waveguide flanges. They are defined in detail by the standards IEC 60154-2, EIA-166, EIA-271, MIL-DTL-3922, MOD UK DEF-5352 and others.

1.2 Purpose

This document is intended to provide a quick overview of the various flange geometries with their basic dimensions. Another aim is to give standard-complying flange designations.

1.3 Remarks

Great care has been bestowed to compile the flange data. Nevertheless, there might be a few mistakes. For design work, it is thus necessary to check the corresponding standard.

This document is not a product catalogue. It cannot be used to order raw flanges.

2. Legende zum Tabellenteil

2.1 Hohlleiterbezeichnungen

2. Explanation for the Tables

2.1 Waveguide designations

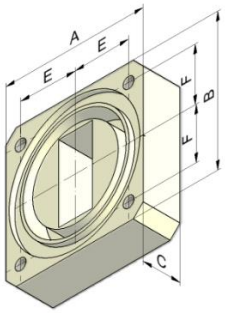
WR 2300 **EIA designation**	**R 3** **IEC designation**	**WG 00** **UK designation**
for frequencies of about 100 GHz and above		
WR 10 **EIA designation**	**R 900** **IEC designation**	**WG 27** **UK designation**	**WM-2540** **IEEE designation**

Eine Zusammenstellung der Innenabmessungen von Normalprofil-Hohlleitern und vieler anderer Profile ist im Technischen Dokument TD-00036 “Cross Reference for Hollow Metallic Waveguides” der SPINNER GmbH gegeben.

A compilation of inner dimensions of ordinary rectangular waveguides and many other profiles is given in the Technical Document TD-00036 “Cross Reference for Hollow Metallic Waveguides” of the SPINNER GmbH.

2.2 Flansch-Beschreibungsfelder

2.2 Flange description fields

Normenstatus	**canceled w/o replacement**	Status of the standard
Ursprung	**USA**	Origin
Flanschausführung **plain** = Planflansch ohne Dichtnut **sealing groove** = Planflansch mit Dichtnut **choke/sealing groove** = Drosselflansch mit Dichtnut	**choke/sealing groove**	Flange style **plain** = plain flange without sealing groove **sealing groove** = plain flange with sealing groove **choke/sealing groove** = choke flange with sealing groove
Norm Normen wurden inklusive Ausgabestand angegeben. Hinweis: Aus Platzgründen wurde „**IEC 60154-2:1980 + A1:1997**“ durch „**IEC 60154-2:1997**“ abgekürzt.	**MIL-DTL-3922/99F**	Standard Standards are listed together with their issue status. Note: For lack of space the standard „**IEC 60154-2:1980 + A1:1997**“ has been depicted as „**IEC 60154-2:1997**“.
Flanschbezeichnung Entweder die Bezeichnung einer spezifischen Flanschgeometrie (wie bei EIA- und IEC-Normen) oder die Teilenummer eines spezifischen Flansches aus einem bestimmten Material (wie bei MIL- und DEF-Normen)	**M3922/99-006**	Flange designation Either the designation of a specific flange geometry (as in EIA and IEC standards) or the part number of a specific flange out of a defined material (as in MIL and DEF standards)
Vereinfachte 3D-Skizze mit Hauptabmessungen der Flanschvorderseite		Simplified 3D sketch indicating basic dimensions of the flange front
- Alle Maße sind Nennmaße. Sie liegen nicht zwingend in Toleranzmitte. - Maßtoleranzen sind nicht angegeben. - Maße mit Dezimalkomma sind in Millimetern. - Maße mit Dezimalpunkt sind in Inch. - Bei der Umrechnung von Inch in Millimeter wird in den Normen nicht einheitlich gerundet. - Maß C ist die "Flanschdicke", die zur Bestimmung der Schraubenlänge erforderlich ist.	**A** 41,28 (1.625) **B** 41,28 (1.625) **E** 16,26 (0.64) **F** 15,49 (0.610) **G** **H** **Hole I** 0.164-32 UNC-2B **Hole J** **C** 4,06 (0.160)	- All dimensions are of nominal nature. They are not necessarily in the center of their tolerance band. - Dimensional tolerances are not given. - Dimensions with decimal comma are in millimeters. - Dimensions with decimal point are in inches. - For conversion from inches to millimeters the standards do not make use of a uniform rounding. - Dimension C is the "flange thickness" required to determine the bolt length.
Material Angabe nur, falls ein Material explizit spezifiziert ist.	**Material** **Cu alloy**	**Material** Given only if a material is explicitly specified.
Nummer der SPINNER Fasson-Zeichnungen	**F00815, F04711**	Number of SPINNER detail drawings
Alternative Flanschbezeichnung (falls vorh.), z.B. UG-Nummer oder NATO Stock Number NSN	**UG-9999B/U**	Alternative flange designation (if available), e.g. UG-Number or NATO Stock Number NSN

Hinweis: Grau markierte Angaben konnten bisher nicht gegen eine Norm verifiziert werden. Sie sollten daher mit Vorsicht behandelt werden.

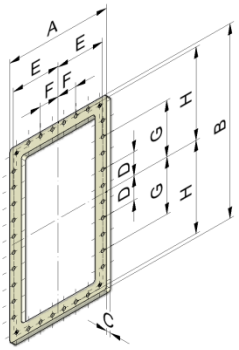
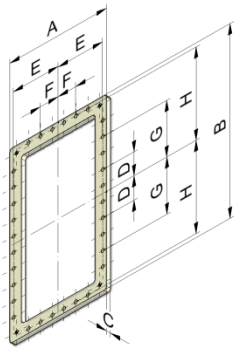
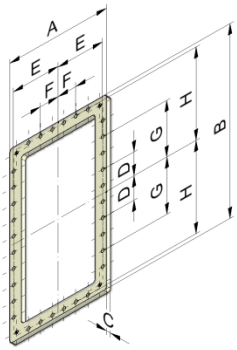
Note: Data marked in grey could not be verified against a standard until now. They should therefore be treated with caution.

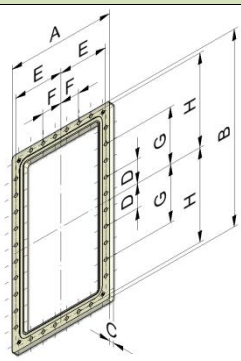
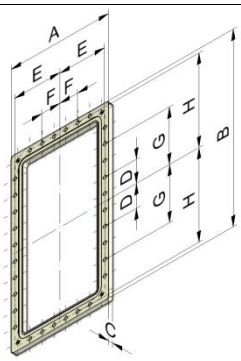
3. Dokumentenversionsverwaltung

3. Document Revision Control

Issue	Date	Description
L	2022-12-06	- Issue K contained several damaged figures. These have now been corrected.
K	2022-11-24	- The designations of several EIA and MIL standards have been updated. - Several minor corrections were made throughout the whole document.
J	2020-04-28	- Several corrections of flange thicknesses (dimension C) were necessary due to the unification of the thickness definition. - Flange CCR 220 was added. - Several minor corrections were made throughout the whole document.
I	2020-04-27	Issue index I was intentionally skipped.
H major revision	2020-04-17	- Start of the document revision control. - Some descriptions in section 2.2 have been refined. - A new field for alternative flange designations has been created. - Some SPINNER F-numbers have been changed or added. - The definition of flange thickness (dimension C) has been unified, which has led to many deletions or changes in this value. - Most UK flanges could be checked against the DEF-5352:1958 standard. This resulted in the addition of four UK flanges and several minor corrections. - Most of the flange description fields have been arranged differently to better illustrate their species relationship. - Fields with IEC flanges were colored light green to indicate the preferred character of these flanges. - Several minor corrections were made throughout the whole document.

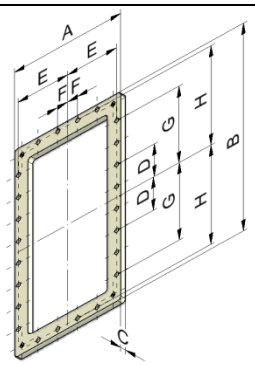
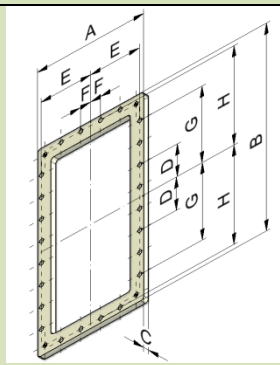
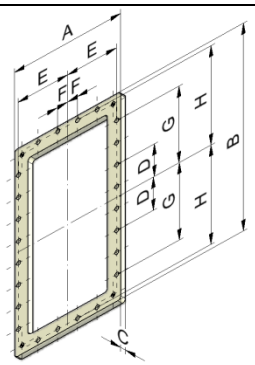
WR 2300 R 3 WG 00

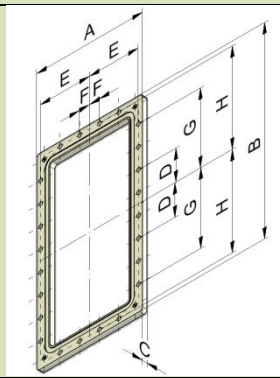
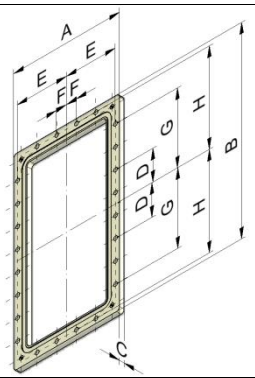
		canceled w/o replacement				
		USA		International		USA
		plain		plain		plain
		MIL-F-3922/76		IEC 60154-2:2016		EIA-271-B
		M3922/76-07		60154 IEC-UDR 3		CPR 2300 F
						
	A	384,20 (15.125)	A	384,20 (15.126)	A	384,20 (15.125)
	B	676,30 (26.625)	B	676,30 (26.625)	B	676,30 (26.625)
	E	177,80 (7.000)	E	177,80 (7.000)	E	177,80 (7.000)
	F	70,87 (2.790)	F	70,87 (2.790)	F	70,87 (2.790)
	G	198,20 (7.803)	G	198,20 (7.803)	G	198,20 (7.803)
	H	323,85 (12.750)	H	323,85 (12.750)	H	323,85 (12.750)
	D	84,960 (3.345)	D	84,96 (3.345)	D	84,96 (3.345)
	Hole I	Ø13,48 (Ø0.531)	Hole I	Ø13,20 (Ø0.520)	Hole I	Ø13,48 (Ø0.531)
	C	19,05 (0.750)	C	15,88 (0.625)	C	9,53 (0.375)
	Material	Al alloy	Material		Material	Cu, Al, Mg alloys

				International		USA
				sealing groove		sealing groove
				IEC 60154-2:2016		EIA-271-B
				60154 IEC-PDR 3		CPR 2300 G
						
				A	384,20 (15.126)	A	384,20 (15.125)
				B	676,30 (26.625)	B	676,30 (26.625)
				E	177,80 (7.000)	E	177,80 (7.000)
				F	70,87 (2.790)	F	70,87 (2.790)
				G	198,20 (7.803)	G	198,20 (7.803)
				H	323,85 (12.750)	H	323,85 (12.750)
				D	84,96 (3.345)	D	84,96 (3.345)
				Hole I	Ø13,20 (Ø0.520)	Hole I	Ø13,48 (Ø0.531)
				C	15,88 (0.625)	C	15,88 (0.625)
				Material		Material	Cu, Al, Mg alloys

Template TD-00001I

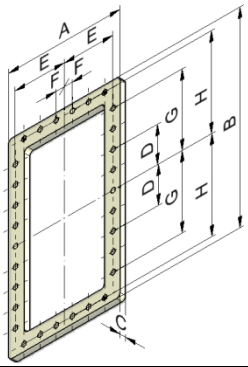
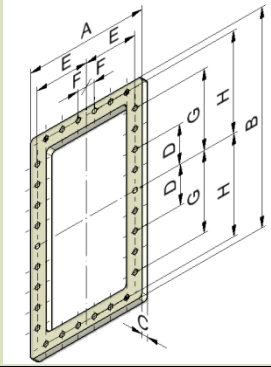
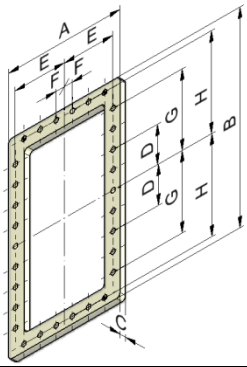
WR 2100 R 4 WG 0

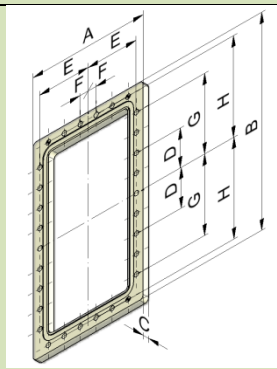
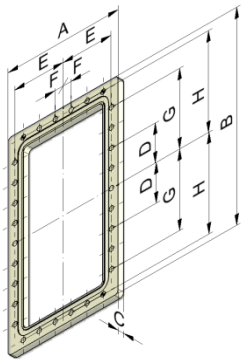
		canceled w/o replacement				
		USA		International		USA
		plain		plain		plain
		MIL-F-3922/76		IEC 60154-2:2016		EIA-271-B
		M3922/76-06		60154 IEC-UDR 4		CPR 2100 F
						
	A	358,80 (14.125)	A	358,80 (14.126)	A	358,80 (14.125)
	B	625,50 (24.625)	B	625,50 (24.626)	B	625,50 (24.625)
	E	165,10 (6.500)	E	165,10 (6.500)	E	165,10 (6.500)
	F	33,02 (1.300)	F	33,02 (1.300)	F	33,02 (1.300)
	G	232,13 (9.139)	G	232,13 (9.139)	G	232,13 (9.139)
	H	298,45 (11.750)	H	298,45 (11.750)	H	298,45 (11.750)
	D	99,49 (3.917)	D	99,49 (3.917)	D	99,49 (3.917)
	Hole I	Ø13,48 (Ø0.531)	Hole I	Ø13,20 (Ø0.520)	Hole I	Ø13,48 (Ø0.531)
	C	19,05 (0.750)	C	15,88 (0.625)	C	9,53 (0.375)
	Material	Al alloy	Material		Material	Cu, Al, Mg alloys

				International		USA
				sealing groove		sealing groove
				IEC 60154-2:2016		EIA-271-B
				60154 IEC-PDR 4		CPR 2100 G
						
				A	358,80 (14.126)	A	358,80 (14.125)
				B	625,50 (24.626)	B	625,50 (24.625)
				E	165,10 (6.500)	E	165,10 (6.500)
				F	33,02 (1.300)	F	33,02 (1.300)
				G	232,13 (9.139)	G	232,13 (9.139)
				H	298,45 (11.750)	H	298,45 (11.750)
				D	99,49 (3.917)	D	99,49 (3.917)
				Hole I	Ø13,20 (Ø0.520)	Hole I	Ø13,48 (Ø0.531)
				C	15,88 (0.625)	C	15,88 (0.625)
				Material		Material	Cu, Al, Mg alloys

Template TD-00001I

WR 1800 R 5 WG 1

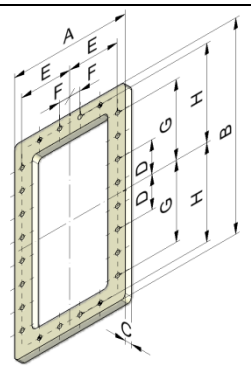
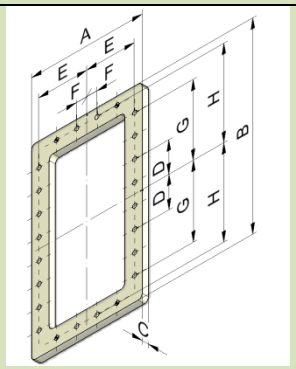
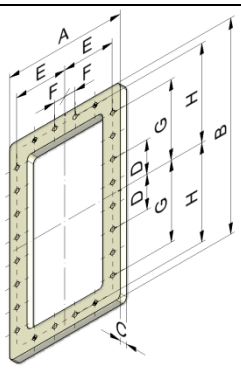
		canceled w/o replacement					
		USA		International		USA	
		Plain		plain		plain	
		MIL-F-3922/76		IEC 60154-2:2016		EIA-271-B	
		M3922/76-05		60154 IEC-UDR 5		CPR 1800 F	
							
	A	317,50 (12.500)	A	317,50 (12.500)	A	317,50 (12.500)	
	B	546,10 (21.500)	B	546,10 (21.500)	B	546,10 (21.500)	
	E	139,70 (5.500)	E	139,70 (5.500)	E	139,70 (5.500)	
	F	23,04 (0.907)	F	23,04 (0.907)	F	23,04 (0.907)	
	G	203,20 (8.000)	G	203,20 (8.000)	G	203,20 (8.000)	
	H	254,00 (10.000)	H	254,00 (10.000)	H	254,00 (10.000)	
	D	101,60 (4.000)	D	101,60 (4.000)	D	101,60 (4.000)	
	Hole I	Ø10,30 (Ø0.406)	Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)	
	C	15,87 (0.625)	C	9,52 (0.375)	C	9,53 (0.375)	
	Material	Al alloy	Material		Material	Cu, Al, Mg alloys	
				F40516, F41246			

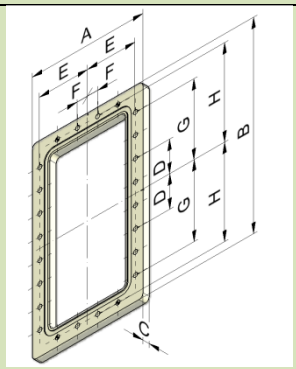
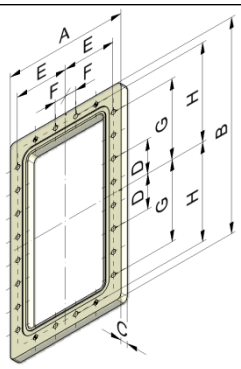
				International		USA	
				sealing groove		sealing groove	
				IEC 60154-2:2016		EIA-271-B	
				60154 IEC-PDR 5		CPR 1800 G	
							
				A	317,50 (12.500)	A	317,50 (12.500)
				B	546,10 (21.500)	B	546,10 (21.500)
				E	139,70 (5.500)	E	139,70 (5.500)
				F	23,04 (0.907)	F	23,04 (0.907)
				G	203,20 (8.000)	G	203,20 (8.000)
				H	254,00 (10.000)	H	254,00 (10.000)
				D	101,60 (4.000)	D	101,60 (4.000)
				Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)
				C	9,52 (0.375)	C	9,53 (0.375)
				Material		Material	Cu, Al, Mg alloys

Template TD-00001I

TD-00077

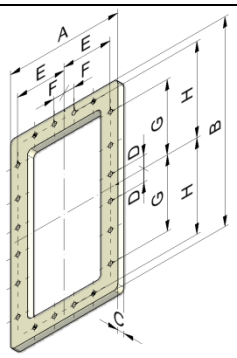
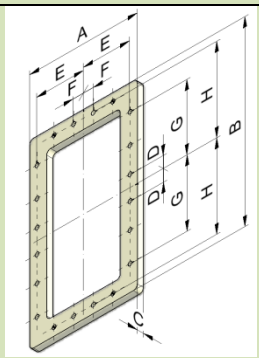
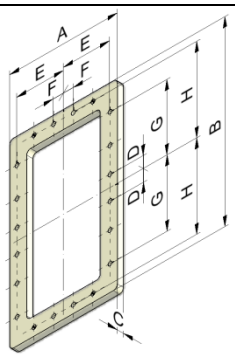
WR 1500 R 6 WG 2

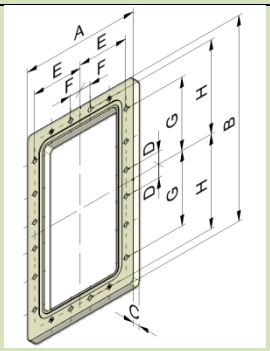
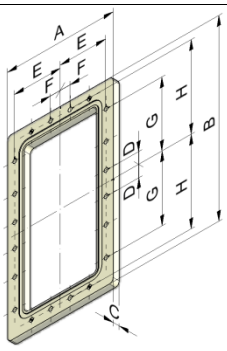
	canceled w/o replacement		
	USA	International	USA
	plain	plain	plain
	MIL-F-3922/76	IEC 60154-2:2016	EIA-271-B
	M3922/76-04	60154 IEC-UDR 6	CPR 1500 F
			
A	279,40 (11.000)	279,40 (11.000)	279,40 (11.000)
B	469,90 (18.500)	469,90 (18.500)	469,90 (18.500)
E	120,65 (4.750)	120,65 (4.750)	120,65 (4.750)
F	25,40 (1.000)	25,40 (1.000)	25,40 (1.000)
G	177,80 (7.000)	177,80 (7.000)	177,80 (7.000)
H	215,90 (8.500)	215,90 (8.500)	215,90 (8.500)
D	76,20 (3.000)	76,20 (3.000)	76,20 (3.000)
Hole I	Ø10,30 (Ø0.406)	Ø10,40 (Ø0.409)	Ø10,30 (Ø0.406)
C	15,87 (0.625)	9,52 (0.375)	9,53 (0.375)
Material	Al alloy		Cu, Al, Mg alloys
		F41200	

	International	USA
	sealing groove	sealing groove
	IEC 60154-2:2016	EIA-271-B
	60154 IEC-PDR 6	CPR 1500 G
		
A	279,40 (11.000)	279,40 (11.000)
B	469,90 (18.500)	469,90 (18.500)
E	120,65 (4.750)	120,65 (4.750)
F	25,40 (1.000)	25,40 (1.000)
G	177,80 (7.000)	177,80 (7.000)
H	215,90 (8.500)	215,90 (8.500)
D	76,20 (3.000)	76,20 (3.000)
Hole I	Ø10,40 (Ø0.409)	Ø10,30 (Ø0.406)
C	9,52 (0.375)	9,53 (0.375)
Material		Cu, Al, Mg alloys

Template TD-00001I

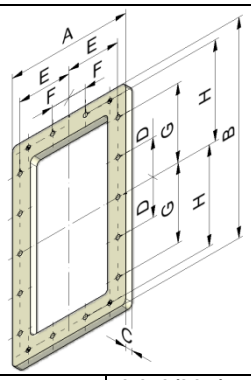
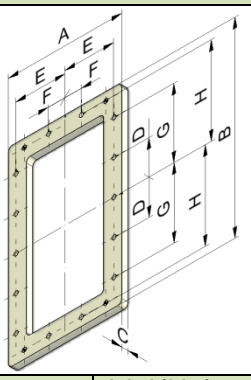
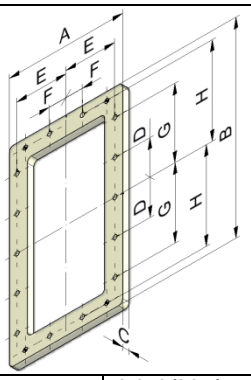
WR 1150 R 8 WG 3

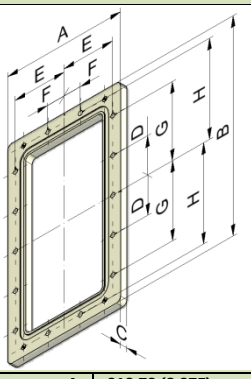
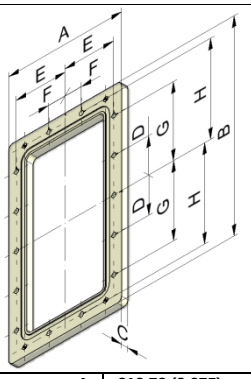
		canceled w/o replacement				
		USA		International		USA
		plain		plain		plain
		MIL-F-3922/76		IEC 60154-2:2016		EIA-271-B
		M3922/76-03		60154 IEC-UDR 8		CPR 1150 F
						
	A	234,96 (9.250)	A	234,96 (9.250)	A	234,96 (9.250)
	B	381,00 (15.000)	B	381,00 (15.000)	B	381,00 (15.000)
	E	98,42 (3.875)	E	98,42 (3.875)	E	98,42 (3.875)
	F	24,61 (0.969)	F	24,61 (0.969)	F	24,61 (0.969)
	G	127,00 (5.000)	G	127,00 (5.000)	G	127,00 (5.000)
	H	171,45 (6.750)	H	171,45 (6.750)	H	171,45 (6.750)
	D	25,40 (1.000)	D	25,40 (1.000)	D	25,40 (1.000)
	Hole I	Ø10,30 (Ø0.406)	Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)
	C	15,87 (0.625)	C	9,52 (0.375)	C	9,53 (0.375)
	Material	Al alloy	Material		Material	Cu, Al, Mg alloys

				International		USA
				sealing groove		sealing groove
				IEC 60154-2:2016		EIA-271-B
				60154 IEC-PDR 8		CPR 1150 G
						
				A	234,96 (9.250)	A	234,96 (9.250)
				B	381,00 (15.000)	B	381,00 (15.000)
				E	98,42 (3.875)	E	98,42 (3.875)
				F	24,61 (0.969)	F	24,61 (0.969)
				G	127,00 (5.000)	G	127,00 (5.000)
				H	171,45 (6.750)	H	171,45 (6.750)
				D	25,40 (1.000)	D	25,40 (1.000)
				Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)
				C	9,52 (0.375)	C	9,53 (0.375)
				Material		Material	Cu, Al, Mg alloys
				F40720			

Template TD-00001I

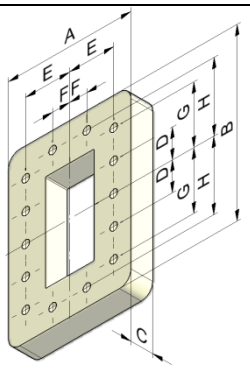
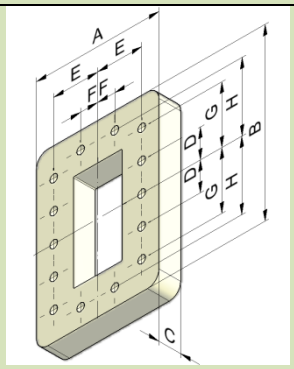
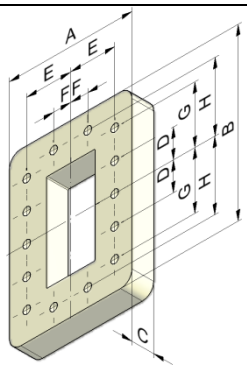
WR 975 R 9 WG 4

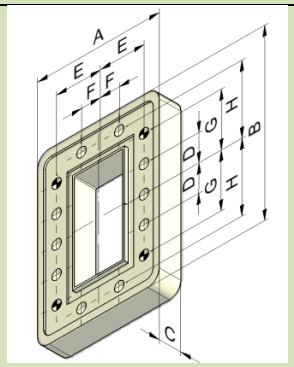
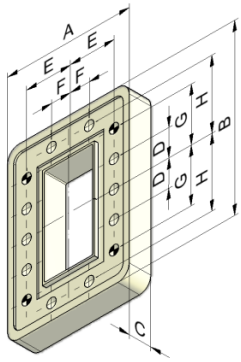
	canceled w/o replacement						International		USA	
	USA						plain		plain	
	plain						IEC 60154-2:2016		EIA-271-B	
	MIL-F-3922/76						60154 IEC-UDR 9		CPR 975 F	
	M3922/76-02									
										
	A	212,73 (8.375)					A	212,73 (8.375)	A	212,73 (8.375)
	B	336,55 (13.250)					B	336,55 (13.250)	B	336,55 (13.250)
	E	87,30 (3.437)					E	87,30 (3.437)	E	87,30 (3.437)
	F	25,40 (1.000)					F	25,40 (1.000)	F	25,40 (1.000)
	G	101,60 (4.000)					G	101,60 (4.000)	G	101,60 (4.000)
	H	149,22 (5.875)					H	149,22 (5.875)	H	149,22 (5.875)
	D	50,80 (2.000)					D	50,80 (2.000)	D	50,80 (2.000)
	Hole I	Ø10,30 (Ø0.406)					Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)
	C	15,87 (0.625)					C	9,52 (0.375)	C	9,53 (0.375)
	Material	Al alloy					Material		Material	Cu, Al, Mg alloys
							F40710			

				International	USA
				sealing groove	sealing groove
				IEC 60154-2:2016	EIA-271-B
				60154 IEC-PDR 9	CPR 975 G
					
				A	212,73 (8.375)	A	212,73 (8.375)
				B	336,55 (13.250)	B	336,55 (13.250)
				E	87,30 (3.437)	E	87,30 (3.437)
				F	25,40 (1.000)	F	25,40 (1.000)
				G	101,60 (4.000)	G	101,60 (4.000)
				H	149,22 (5.875)	H	149,22 (5.875)
				D	50,80 (2.000)	D	50,80 (2.000)
				Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)
				C	9,52 (0.375)	C	9,53 (0.375)
				Material		Material	Cu, Al, Mg alloys
				F40721	

Template TD-00001I

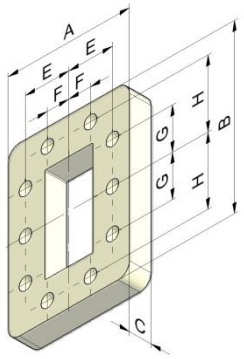
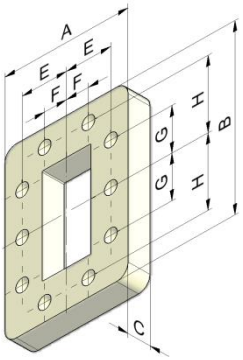
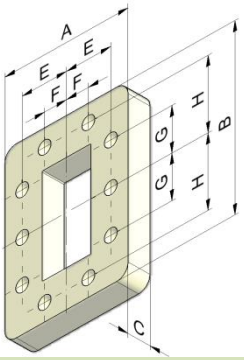
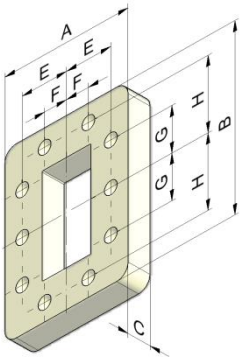
WR 770 R 12 WG 5

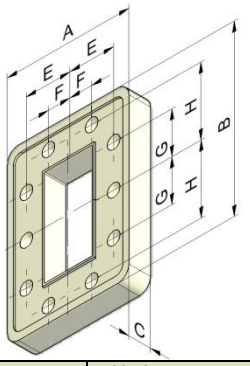
	canceled w/o replacement							
	USA		International			USA		
	plain		plain			plain		
	MIL-F-3922/76		IEC 60154-2:2016			EIA-271-B		
	M3922/76-01		60154 IEC-UDR 12			CPR 770 F		
								
	A	187,33 (7.375)	A	187,36 (7.376)		A	187,33 (7.375)	
	B	284,96 (11.219)	B	284,98 (11.220)		B	284,96 (11.219)	
	E	74,30 (2.925)	E	74,30 (2.925)		E	74,30 (2.925)	
	F	25,40 (1.000)	F	25,40 (1.000)		F	25,40 (1.000)	
	G	101,60 (4.000)	G	101,60 (4.000)		G	101,60 (4.000)	
	H	123,19 (4.850)	H	123,19 (4.850)		H	123,19 (4.850)	
	D	50,80 (2.000)	D	50,80 (2.000)		D	50,80 (2.000)	
	Hole I	Ø10,30 (Ø0.406)	Hole I	Ø10,40 (Ø0.409)		Hole I	Ø10,30 (Ø0.406)	
	C	12,7 (0.500)	C	9,52 (0.375)		C	9,53 (0.375)	
	Material	Al alloy	Material			Material	Cu, Al, Mg alloys	

		International	USA
		sealing groove	sealing groove
		IEC 60154-2:2016	EIA-271-B
		60154 IEC-PDR 12	CPR 770 G
			
	A	187,36 (7.376)	A	187,33 (7.375)
	B	284,98 (11.220)	B	284,96 (11.219)
	E	74,30 (2.925)	E	74,30 (2.925)
	F	25,40 (1.000)	F	25,40 (1.000)
	G	101,60 (4.000)	G	101,60 (4.000)
	H	123,19 (4.850)	H	123,19 (4.850)
	D	50,80 (2.000)	D	50,80 (2.000)
	Hole I	Ø10,40 (Ø0.409)	Hole I	Ø10,30 (Ø0.406)
	C	9,52 (0.375)	C	9,53 (0.375)
	Material		Material	Cu, Al, Mg alloys

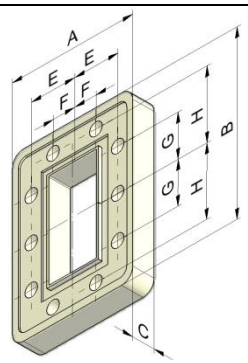
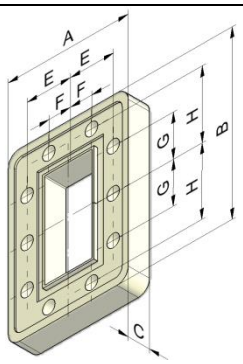
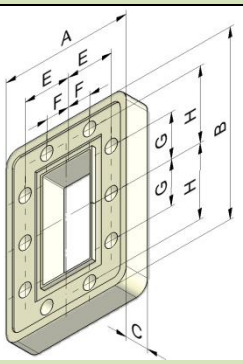
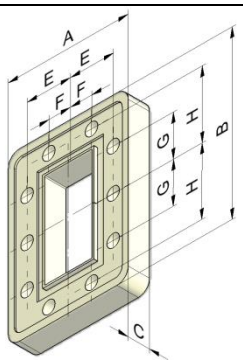
Template TD-00001I

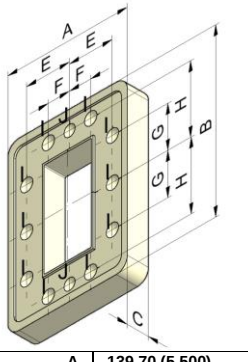
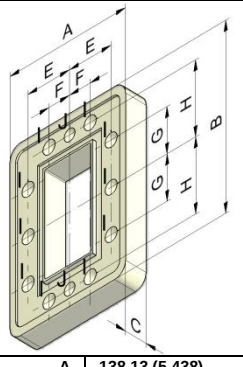
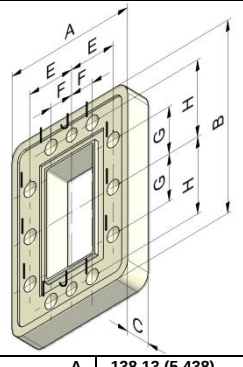
WR 650 R 14 WG 6

USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-001	M3922/52-002	60154 IEC-UDR 14	CPR 650 F
			
A 138,18 (5.440)	A 138,18 (5.440)	A 138,10 (5.440)	A 138,09 (5.437)
B 220,73 (8.690)	B 220,73 (8.690)	B 220,70 (8.690)	B 220,65 (8.687)
E 58,70 (2.311)	E 58,70 (2.311)	E 58,69 (2.311)	E 58,70 (2.311)
F 31,72 (1.249)	F 31,72 (1.249)	F 31,73 (1.249)	F 31,73 (1.249)
G 60,30 (2.374)	G 60,30 (2.374)	G 60,30 (2.374)	G 60,30 (2.374)
H 100,00 (3.937)	H 100,00 (3.937)	H 100,00 (3.937)	H 100,00 (3.937)
Hole I Ø8,38 (Ø0.330)	Hole I Ø8,38 (Ø0.330)	Hole I Ø8,00 (Ø0.315)	Hole I Ø8,33 (Ø0.328)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.500)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F41114, F41448	
UG-1714/U	UG-1720/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 14	
			
		A 138,10	
		B 220,70	
		E 58,69	
		F 31,73	
		G 60,30	
		H 100,00	
		Hole I Ø8,00	
		Hole J	
		C 12,70	
		Material	

WR 650 R 14 WG 6

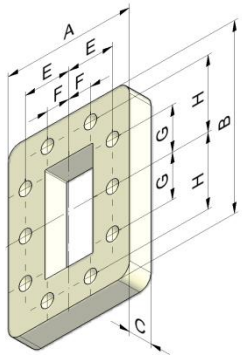
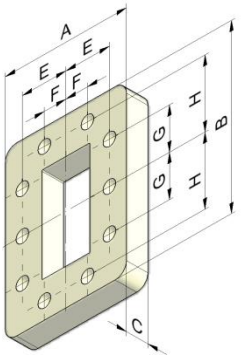
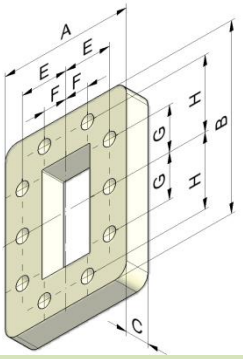
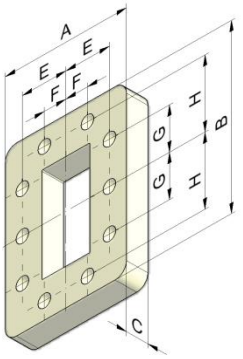
USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-023	M3922/52-024	60154 IEC-PDR 14	CPR 650 G
			
A 138,18 (5.440)	A 138,18 (5.440)	A 138,10 (5.440)	A 138,09 (5.437)
B 220,73 (8.690)	B 220,73 (8.690)	B 220,70 (8.690)	B 220,65 (8.687)
E 58,70 (2.311)	E 58,70 (2.311)	E 58,69 (2.311)	E 58,70 (2.311)
F 31,72 (1.249)	F 31,72 (1.249)	F 31,73 (1.249)	F 31,73 (1.249)
G 60,30 (2.374)	G 60,30 (2.374)	G 60,30 (2.374)	G 60,30 (2.374)
H 100,00 (3.937)	H 100,00 (3.937)	H 100,00 (3.937)	H 100,00 (3.937)
Hole I Ø8,38 (Ø0.330)	Hole I Ø8,38 (Ø0.330)	Hole I Ø8,00 (Ø0.315)	Hole I Ø8,33 (Ø0.328)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.500)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40309	F40791
UG-1362/U	UG-1343/U		

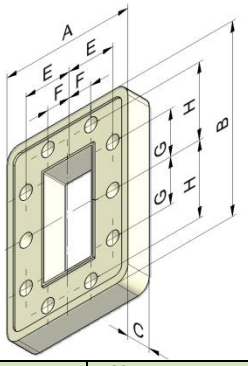
		inactive for new design	inactive for new design
UK		USA	USA
plain		sealing groove	sealing groove
DEF-5352:1958		MIL-F-3922/58D	MIL-F-3922/58D
TR/D610431		M3922/58-007	M3922/58-008
			
A 139,70 (5.500)		A 138,13 (5.438)	A 138,13 (5.438)
B 222,25 (8.875)		B 220,68 (8.688)	B 220,68 (8.688)
E 58,72 (2.312)		E 58,70 (2.311)	E 58,70 (2.311)
F 31,75 (1.250)		F 31,72 (1.249)	F 31,72 (1.249)
G 60,33 (2.375)		G 60,30 (2.374)	G 60,30 (2.374)
H 100,00 (3.937)		H 100,00 (3.937)	H 100,00 (3.937)
Hole I		Hole I Ø8,33 (Ø0.328)	Hole I Ø8,33 (Ø0.328)
Hole J		Hole J Ø6,35 (Ø0.250)	Hole J Ø6,35 (Ø0.250)
C		C 12,70 (0.500)	C 12,70 (0.500)
Material Cu alloy		Material Cu alloy	Material Al alloy
NSN 5985-99-083-1573		UG-417B/U	UG-418B/U

Template TD-00001I

TD-00077

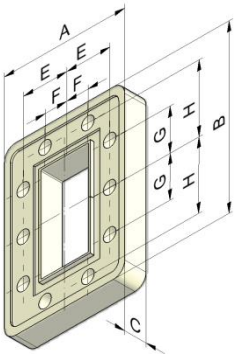
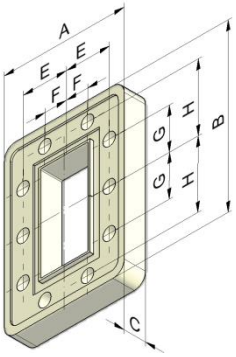
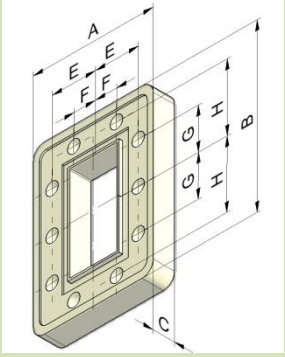
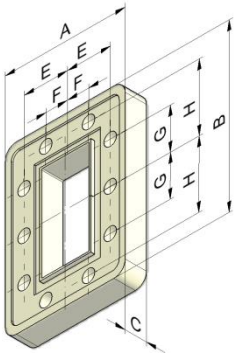
WR 510 R 18 WG 7

USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-003	M3922/52-004	60154 IEC-UDR 18	CPR 510 F
			
A 117,35 (4.62)	A 117,35 (4.620)	A 120,00 (4.720)	A 117,48 (4.625)
B 181,68 (7.16)	B 181,68 (7.160)	B 185,00 (7.280)	B 181,76 (7.158)
E 48,90 (1.925)	E 48,90 (1.925)	E 50,04 (1.970)	E 48,90 (1.925)
F 26,19 (1.031)	F 26,19 (1.031)	F 25,02 (0.985)	F 26,19 (1.031)
G 50,47 (1.987)	G 50,47 (1.987)	G 50,04 (1.973)	G 50,47 (1.987)
H 81,28 (3.200)	H 81,28 (3.20)	H 82,50 (3.248)	H 81,28 (3.200)
Hole I Ø6,76 (Ø0.266)	Hole I Ø6,76 (Ø0.266)	Hole I Ø8,00 (Ø0.315)	Hole I Ø6,76 (Ø0.266)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.50)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
UG-1715/U	UG-1717/U		

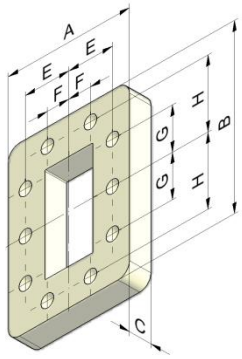
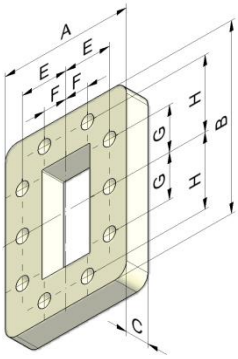
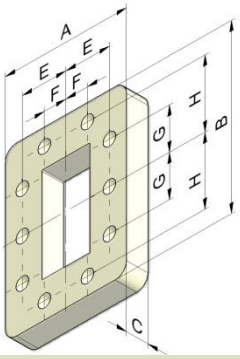
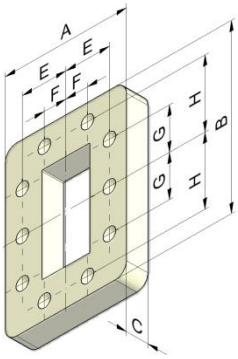
		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 18	
			
		A 120	
		B 185	
		E 50,04	
		F 25,02	
		G 50,04	
		H 82,50	
		Hole I Ø8,00	
		Hole J	
		C 12,70	
		Material	

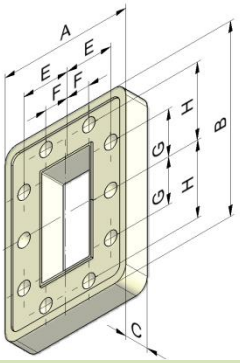
Template TD-00001I

WR 510 R 18 WG 7

USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-025	M3922/52-026	60154 IEC-PDR 18	CPR 510 G
			
A 117,35 (4.620)	A 117,35 (4.620)	A 120,00 (4.720)	A 117,48 (4.625)
B 181,68 (7.160)	B 181,68 (7.160)	B 185,00 (7.280)	B 181,76 (7.158)
E 48,90 (1.925)	E 48,90 (1.925)	E 50,04 (1.970)	E 48,90 (1.925)
F 26,19 (1.031)	F 26,19 (1.031)	F 25,02 (0.985)	F 26,19 (1.031)
G 50,47 (1.987)	G 50,47 (1.987)	G 50,04 (1.973)	G 50,47 (1.987)
H 81,28 (3.200)	H 81,28 (3.200)	H 82,50 (3.248)	H 81,28 (3.200)
Hole I Ø6,76 (Ø0.266)	Hole I Ø6,76 (Ø0.266)	Hole I Ø8,00 (Ø0.315)	Hole I Ø6,76 (Ø0.266)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.500)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40478	
UG-1718/U	UG-1719/U		

WR 430 R 22 WG 8

USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-005	M3922/52-006	60154 IEC-UDR 22	CPR 430 F
			
A 106,43 (4.190)	A 106,43 (4.190)	A 106,40 (4.190)	A 106,35 (4.187)
B 161,04 (6.340)	B 161,04 (6.340)	B 161,10 (6.340)	B 161,14 (6.344)
E 43,69 (1.720)	E 43,69 (1.720)	E 43,69 (1.720)	E 43,69 (1.720)
F 23,82 (0.938)	F 23,82 (0.938)	F 23,82 (0.938)	F 23,83 (0.938)
G 45,39 (1.787)	G 45,39 (1.787)	G 45,39 (1.787)	G 45,39 (1.787)
H 71,00 (2.795)	H 71,00 (2.795)	H 70,99 (2.795)	H 70,99 (2.795)
Hole I Ø6,76 (Ø0.266)	Hole I Ø6,76 (Ø0.266)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,76 (Ø0.226)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.500)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40740	
UG-1716/U	UG-1711/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 22	
			
		A 106,40	
		B 161,10	
		E 43,69	
		F 23,82	
		G 45,39	
		H 70,99	
		Hole I Ø6,35	
		Hole J	
		C 12,70	
		Material	

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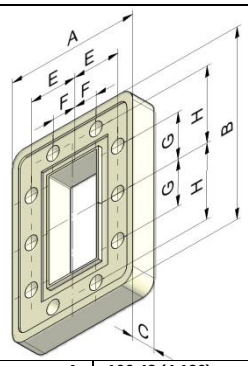
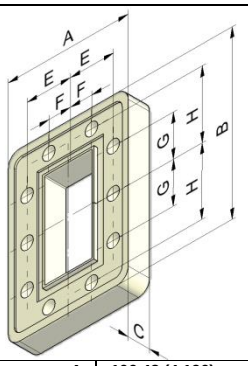
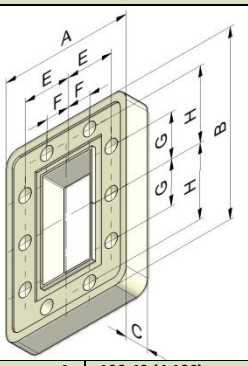
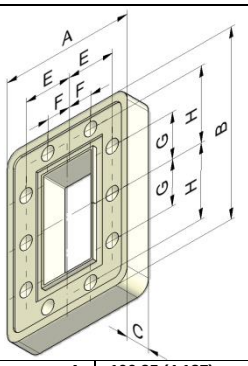
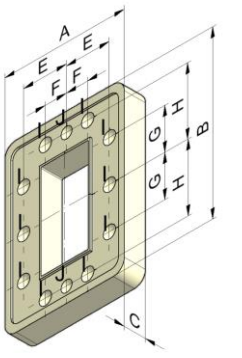
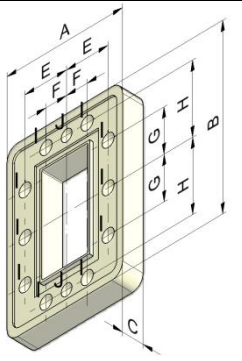
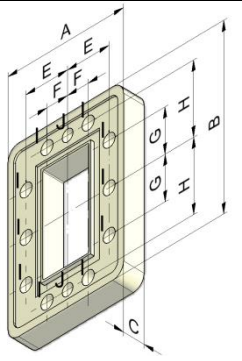
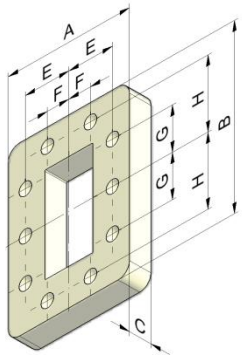
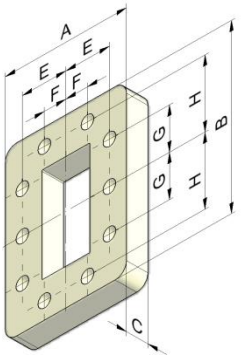
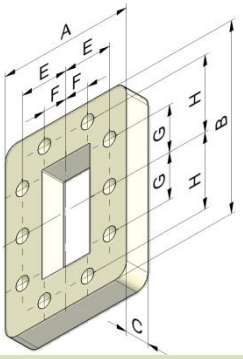
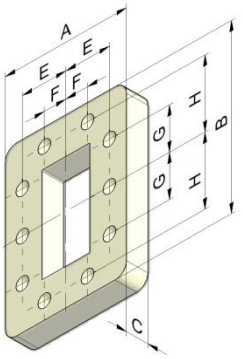
WR 430 R 22 WG 8

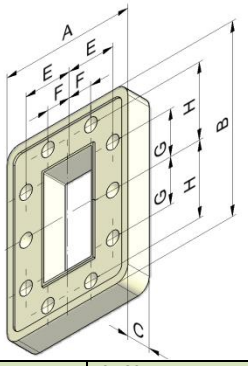
USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-027	M3922/52-028	60154 IEC-PDR 22	CPR 430 G
			
A 106,43 (4.190)	A 106,43 (4.190)	A 106,40 (4.190)	A 106,35 (4.187)
B 161,04 (6.340)	B 161,04 (6.340)	B 161,10 (6.340)	B 161,14 (6.344)
E 43,69 (1.720)	E 43,69 (1.720)	E 43,69 (1.720)	E 43,69 (1.720)
F 23,82 (0.938)	F 23,82 (0.938)	F 23,82 (0.938)	F 23,83 (0.938)
G 45,39 (1.787)	G 45,39 (1.787)	G 45,39 (1.787)	G 45,39 (1.787)
H 71,00 (2.795)	H 71,00 (2.795)	H 70,99 (2.795)	H 70,99 (2.795)
Hole I Ø6,76 (Ø0.266)	Hole I Ø6,76 (Ø0.266)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,76 (Ø0.226)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.500)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40308	F40316
UG-1344/U	UG-1345/U		

		inactive for new design	inactive for new design
UK		USA	USA
plain		sealing groove	sealing groove
DEF-5352:1958		MIL-F-3922/58D	MIL-F-3922/58D
TR/C610425		M3922/58-009	M3922/58-010
			
A 107.95 (4.250)		A 106,38 (4.188)	A 106,38 (4.188)
B 162.72 (6.406)		B 161,44 (6.344)	B 161,44 (6.344)
E 43,69 (1.720)		E 43,69 (1.720)	E 43,69 (1.720)
F 23,83 (0.938)		F 23,82 (0.938)	F 23,82 (0.938)
G 45,39 (1.787)		G 45,39 (1.787)	G 45,39 (1.787)
H 70,99 (2.795)		H 70,99 (2.795)	H 70,99 (2.795)
Hole I		Hole I Ø6,71 (Ø0.264)	Hole I Ø6,71 (Ø0.264)
Hole J		Hole J Ø6,35 (Ø0.250)	Hole J Ø6,35 (Ø0.250)
C		C 12,70 (0.500)	C 12,70 (0.500)
Material Cu alloy		Material Cu alloy	Material Al alloy
NSN 5985-99-083-1578		UG-435B/U	UG-437B/U

Template TD-00001I

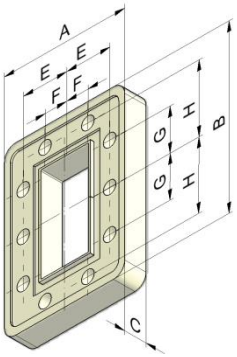
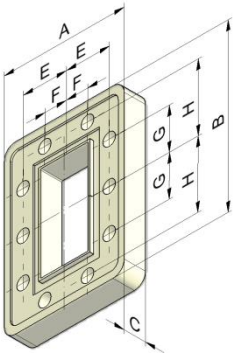
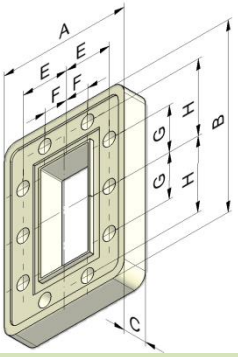
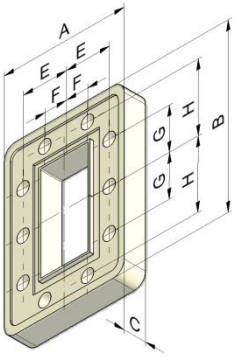
WR 340 R 26 WG 9A

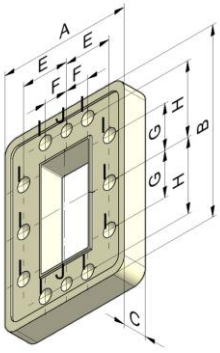
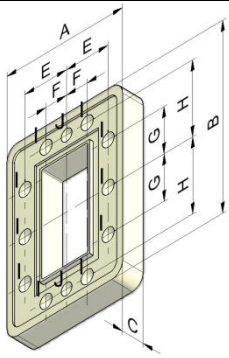
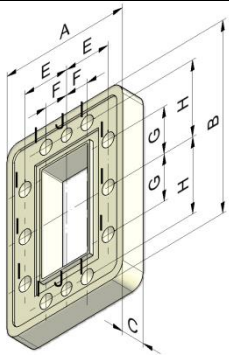
USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-007	M3922/52-008	60154 IEC-UDR 26	CPR 340 F
			
A 95,25 (3.750)	A 95,25 (3.750)	A 95,30 (3.750)	A 95,25 (3.750)
B 138,18 (5.440)	B 138,18 (5.440)	B 138,10 (5.440)	B 138,10 (5.437)
E 38,10 (1.500)	E 38,10 (1.500)	E 38,10 (1.500)	E 38,10 (1.500)
F 17,04 (0.671)	F 17,04 (0.671)	F 17,04 (0.671)	F 17,04 (0.671)
G 34,14 (1.344)	G 34,14 (1.344)	G 34,14 (1.344)	G 34,14 (1.344)
H 59,54 (2.344)	H 59,54 (2.344)	H 59,53 (2.344)	H 59,54 (2.344)
Hole I Ø6,76 (Ø0.266)	Hole I Ø6,76 (Ø0.266)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,76 (Ø0.266)
Hole J	Hole J	Hole J	Hole J
C 12,70 (0.500)	C 12,70 (0.500)	C 12,70 (0.500)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40512	F40863, F41180
UG-1712/U	UG-1713/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 26	
			
		A 95,30	
		B 138,10	
		E 38,10	
		F 17,04	
		G 34,14	
		H 59,53	
		Hole I Ø6,35	
		Hole J	
		C 12,70	
		Material	

Template TD-00001I

WR 340 R 26 WG 9A

USA		**USA**		**International**		**USA**	
sealing groove		**sealing groove**		**sealing groove**		**sealing groove**	
MIL-DTL-3922/52E		**MIL-DTL-3922/52E**		**IEC 60154-2:2016**		**EIA-271-B**	
M3922/52-029		**M3922/52-030**		**60154 IEC-PDR 26**		**CPR 340 G**	
							
A	**95,25 (3.750)**	**A**	**95,25 (3.750)**	**A**	**95,30 (3.750)**	**A**	**95,25 (3.750)**
B	**138,18 (5.440)**	**B**	**138,18 (5.440)**	**B**	**138,10 (5.440)**	**B**	**138,10 (5.437)**
E	**38,10 (1.500)**	**E**	**38,10 (1.500)**	**E**	**38,10 (1.500)**	**E**	**38,10 (1.500)**
F	**17,04 (0.671)**	**F**	**17,04 (0.671)**	**F**	**17,04 (0.671)**	**F**	**17,04 (0.671)**
G	**34,14 (1.344)**	**G**	**34,14 (1.344)**	**G**	**34,14 (1.344)**	**G**	**34,14 (1.344)**
H	**59,54 (2.344)**	**H**	**59,54 (2.344)**	**H**	**59,53 (2.344)**	**H**	**59,54 (2.344)**
Hole I	**Ø6,76 (Ø0.266)**	**Hole I**	**Ø6,76 (Ø0.266)**	**Hole I**	**Ø6,35 (Ø0.250)**	**Hole I**	**Ø6,76 (Ø0.266)**
Hole J		**Hole J**		**Hole J**		**Hole J**	
C	**12,70 (0.500)**	**C**	**12,70 (0.500)**	**C**	**12,70 (0.500)**	**C**	
Material	**Cu alloy**	**Material**	**Al alloy**	**Material**		**Material**	**Cu, Al, Mg alloys**
				F40477		**F40863**	
UG-1346/U		**UG-1347/U**					

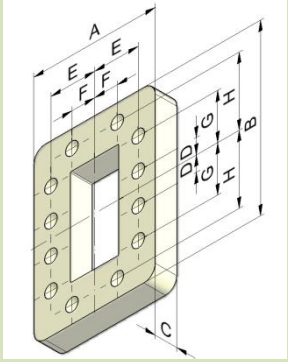
				inactive for new design		**inactive for new design**	
UK				**USA**		**USA**	
plain				**sealing groove**		**sealing groove**	
DEF-5352:1958				**MIL-F-3922/58D**		**MIL-F-3922/58D**	
TR/C610419				**M3922/58-011**		**M3922/58-012**	
							
A	**96,84 (3.813)**			**A**	**95,25 (3.750)**	**A**	**95,25 (3.750)**
B	**139,70 (5.500)**			**B**	**138,13 (5.438)**	**B**	**138,13 (5.438)**
E	**38,10 (1.500)**			**E**	**38,10 (1.500)**	**E**	**38,10 (1.500)**
F	**17,07 (0.672)**			**F**	**17,04 (0.671)**	**F**	**17,04 (0.671)**
G	**34,14 (1.344)**			**G**	**34,14 (1.344)**	**G**	**34,14 (1.344)**
H	**59,54 (2.344)**			**H**	**59,54 (2.344)**	**H**	**59,54 (2.344)**
Hole I				**Hole I**	**Ø6,71 (Ø0.264)**	**Hole I**	**Ø6,71 (Ø0.264)**
Hole J				**Hole J**	**Ø6,35 (Ø0.250)**	**Hole J**	**Ø6,35 (Ø0.250)**
C				**C**	**12,70 (0.500)**	**C**	**12,70 (0.500)**
Material	**Cu alloy**			**Material**	**Cu alloy**	**Material**	**Al alloy**
NSN 5985-99-011-9656				**UG-553A/U**		**UG-554A/U**	

Template TD-00001I

TD-00077

WR 284 R 32 WG 10

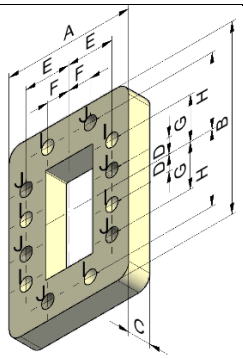
	International
	plain
	IEC 60154-2:2016
	60154 IEC-UER 32

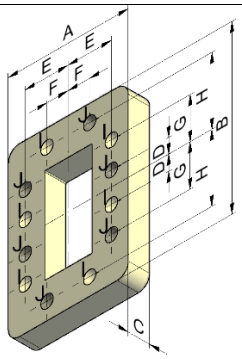


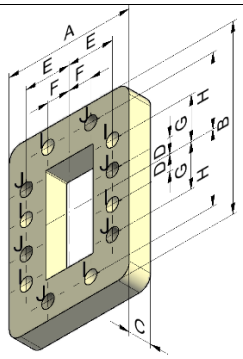
A	59,50 (2.343)
B	97,64 (3.844)
E	25,27 (0.995)
F	8,51 (0.335)
G	31,02 (1.221)
H	44,32 (1.745)
D	10,34 (0.407)
Hole I	Ø4,00 (Ø0.158)
C	9,00 (0.354)
Material	

F40498

canceled w/o replacement	canceled w/o replacement		USA
USA	USA		Plain
plain	plain		EIA-166-A
MIL-F-3922/64B	MIL-F-3922/64B		CMR 284
M3922/64-001	M3922/64-002		







A	59,54 (2.344)	A	59,54 (2.344)			A	59,54 (2.344)
B	97,64 (3.844)	B	97,64 (3.844)			B	97,64 (3.844)
E	25,27 (0.995)	E	25,27 (0.995)			E	25,27 (0.995)
F	8,51 (0.335)	F	8,51 (0.335)			F	8,51 (0.335)
G	31,01 (1.221)	G	31,01 (1.221)			G	31,01 (1.221)
H	44,32 (1.745)	H	44,32 (1.745)			H	44,32 (1.745)
D	10,34 (0.407)	D	10,34 (0.407)			D	10,34 (0.407)
Hole I	0.164-32 UNC-2B	Hole I	0.164-32 UNC-2B			Hole I	0.164-32 UNC-2B
Hole J	Ø4,39 (Ø0.173)	Hole J	Ø4,39 (Ø0.173)			Hole J	Ø4,39 (Ø0.173)
C	8,89 (0.350)	C	8,89 (0.350)			C	8,89 (0.350)
Material	Cu alloy	Material	Al alloy			Material	Cu, Al, Mg alloys
UG-1479/U		UG-1484/U					

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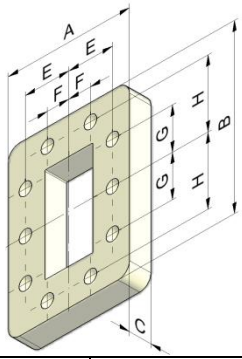
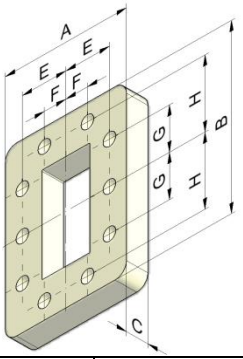
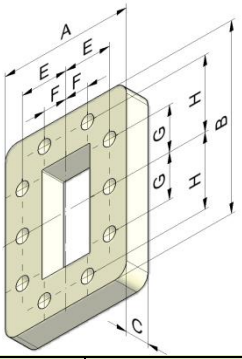
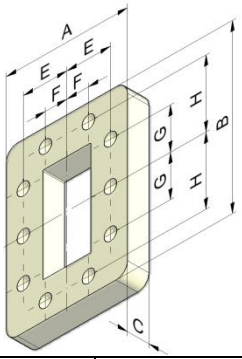
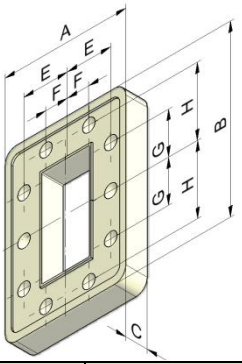
USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-009	M3922/52-010	60154 IEC-UDR 32	CPR 284 F
			
A 76,20 (3.000)	A 76,20 (3.000)	A 76,20 (3.000)	A 76,20 (3.000)
B 114,30 (4.500)	B 114,30 (4.500)	B 114,30 (4.500)	B 114,30 (4.500)
E 29,57 (1.164)	E 29,57 (1.164)	E 29,57 (1.164)	E 29,57 (0.164)
F 14,68 (0.578)	F 14,68 (0.578)	F 14,68 (0.578)	F 14,68 (0.578)
G 32,54 (1.281)	G 32,54 (1.281)	G 32,54 (1.281)	G 32,53 (1.281)
H 48,62 (1.914)	H 48,62 (1.914)	H 48,61 (1.914)	H 48,62 (1.914)
Hole I Ø6,53 (Ø0.257)	Hole I Ø6,53 (Ø0.257)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,55 (Ø0.258)
Hole J	Hole J	Hole J	Hole J
C 9,65 (0.380)	C 9,65 (0.380)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40509	
UG-1724/U	UG-1725/U		

				International			
				plain			
				IEC 60154-2:1997			
				60154 IEC-RDR 32			
							
				A	76,20		
				B	114,30		
				E	29,57		
				F	14,68		
				G	32,54		
				H	48,61		
				Hole I	Ø6,35		
				Hole J			
				C	10,00		
				Material			

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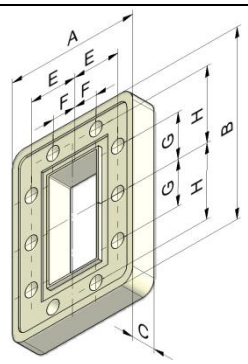
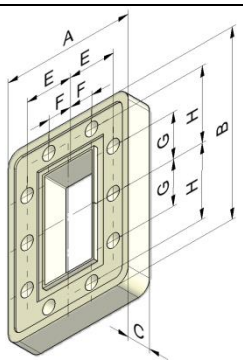
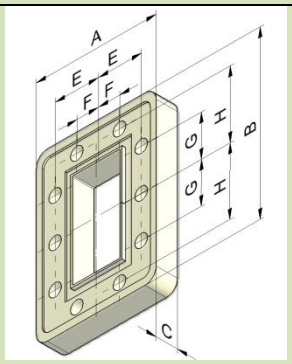
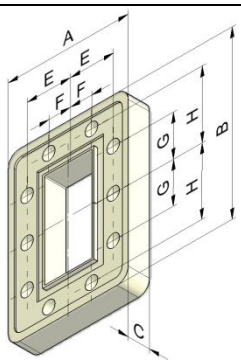
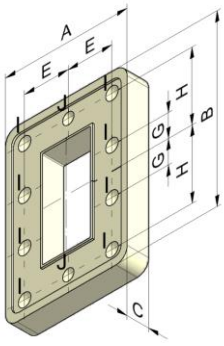
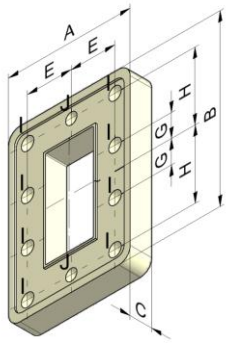
USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-031	M3922/52-032	60154 IEC-PDR 32	CPR 284 G
			
A 76,20 (3.000)	A 76,20 (3.000)	A 76,20 (3.000)	A 76,20 (3.000)
B 114,30 (4,500)	B 114,30 (4,500)	B 114,30 (4.500)	B 114,30 (4.500)
E 29,57 (1.164)	E 29,57 (1.164)	E 29,57 (1.164)	E 29,57 (0.164)
F 14,68 (0.578)	F 14,68 (0.578)	F 14,68 (0.578)	F 14,68 (0.578)
G 32,54 (1.281)	G 32,54 (1.281)	G 32,54 (1.281)	G 32,53 (1.281)
H 48,62 (1.914)	H 48,62 (1.914)	H 48,61 (1.914)	H 48,62 (1.914)
Hole I Ø6,53 (Ø0.257)	Hole I Ø6,53 (Ø0.257)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,55 (Ø0.258)
Hole J	Hole J	Hole J	Hole J
C 9,65 (0.380)	C 9,65 (0.380)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40465	F40508
UG-1348/U	UG-1349/U		

UK	UK		
plain	plain		
DEF-5352:1958	DEF-5352:1958		
TR/C610384	RR/C610979		
			
A 82,55 (3.250)	A 84,14 (3.313)		
B 120,65 (4.750)	B 122,24 (4.813)		
E 32,54 (1.281)	E 32,54 (1.281)		
F	F		
G 19,05 (0.750)	G 19,05 (0.750)		
H 51,59 (2.031)	H 51,59 (2.031)		
Hole I	Hole I		
Hole J	Hole J		
C	C		
NSN 5985-99-083-0058	NSN 5985-99-012-2939		

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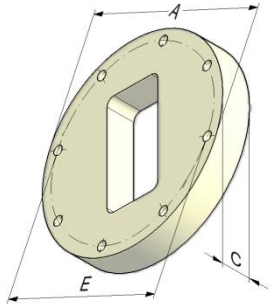
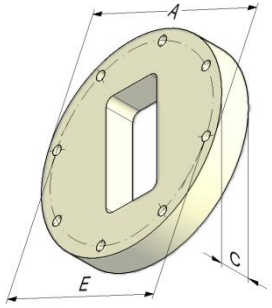
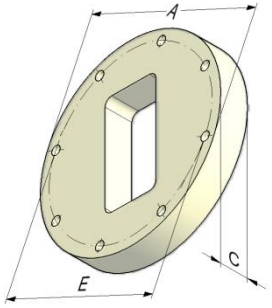
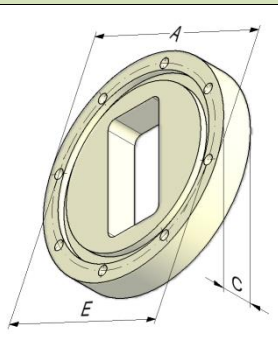
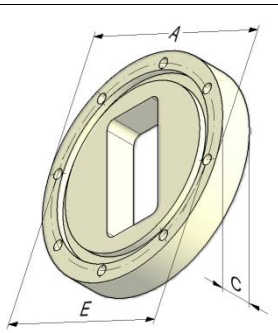
USA		**USA**		**International**					
plain		**plain**		**plain**					
MIL-DTL-3922/56D		**MIL-DTL-3922/56D**		**IEC 60154-2:2016**					
M3922/56-001		**M3922/56-002**		**60154 IEC-UAR 32**					
									
A	134,95 (5.313)	A	134,95 (5.313)	A	134,90 (5.310)				
B		B		B					
E	120,65 (4.750)	E	120,65 (4.750)	E	120,65 (4.750)				
F		F		F					
G		G		G					
H		H		H					
Hole I	6,53 (0.257)	Hole I	6,53 (0.257)	Hole I	6,35 (0.250)				
Hole J		Hole J		Hole J					
C	6,35 (0.250)	C	6,35 (0.250)	C	7,90 (0.310)				
Material	Cu alloy	Material	Al alloy	Material					
				F40494					
UG-53/U		**UG-584/U**							

				International		**UK**			
				sealing groove		**sealing groove**			
				IEC 60154-2:2016		**DEF-5352:1958**			
				60154 IEC-PAR 32		**TR/B610168**			
									
				A	134,90 (5.310)	A	134,94 (5.313)		
				B		B			
				E	120,65 (4.750)	E	120,65 (4.750)		
				F		F			
				G		G			
				H		H			
				Hole I	6,35 (0.250)	Hole I			
				Hole J		Hole J			
				C	7,90 (0.310)	C			
				Material		Material	Cu alloy		
				F40506					
						NSN 5985-99-083-0010			

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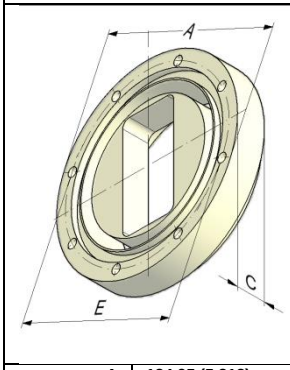
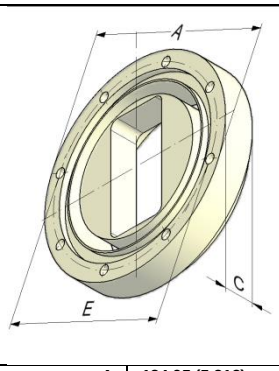
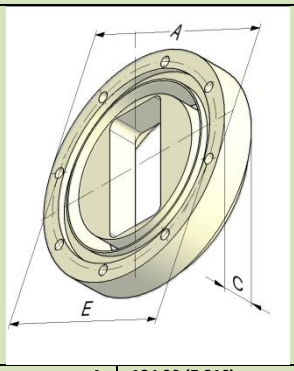
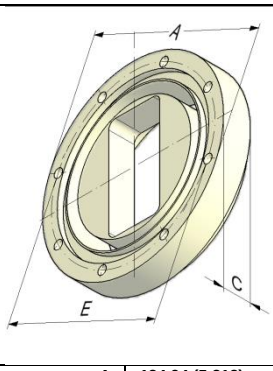
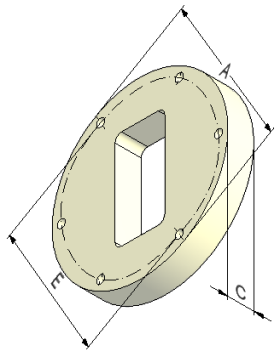
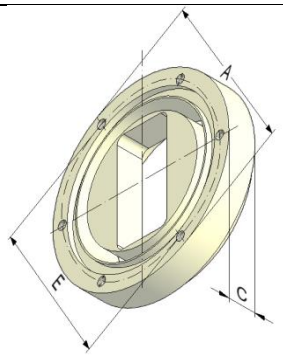
USA	USA	International	UK
choke/sealing groove	choke/sealing groove	choke/sealing groove	choke/sealing groove
MIL-DTL-3922/61F	MIL-DTL-3922/61F	IEC 60154-2:2016	DEF-5352:1958
M3922/61-002	M3922/61-001	60154 IEC-CAR 32	TR/B610167
			
A 134,95 (5.313)	A 134,95 (5.313)	A 134,90 (5.310)	A 134,94 (5.313)
B	B	B	B
E 120,65 (4.750)	E 120,65 (4.750)	E 120,65 (4.750)	E 120,65 (4.750)
F	F	F	F
G	G	G	G
H	H	H	H
Hole I 0.250-20 UNC-2B	Hole I 0.250-20 UNC-2B	Hole I 6,35 (0.250)	Hole I
Hole J	Hole J	Hole J	Hole J
C 7,95 (0.313)	C 7,95 (0.313)	C 7,90 (0.310)	C
Material Cu alloy	Material Al alloy	Material	Material Cu alloy
		F41135	
UG-54B/U	UG-585A/U		NSN 5985-99-083-0009

UK		UK	
plain		choke/sealing groove	
DEF-5352:1958		DEF-5352:1958	
TR/B610362		TR/B610361	
			
A 149,23 (5.875)		A 149,23 (5.875)	
B		B	
E 136,53 (5.375)		E 136,53 (5.375)	
F		F	
G		G	
H		H	
Hole I		Hole I	
Hole J		Hole J	
C		C	
Material Cu alloy		Material Cu alloy	
NSN 5985-99-083-1560		NSN 5985-99-083-1558	

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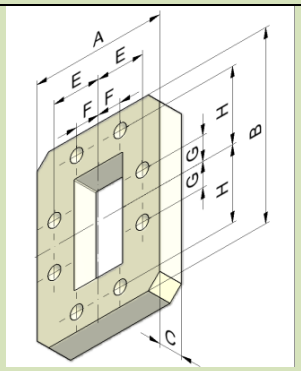
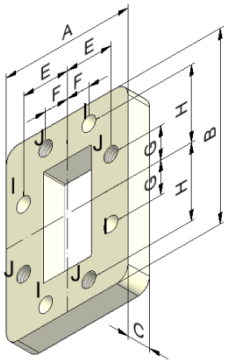
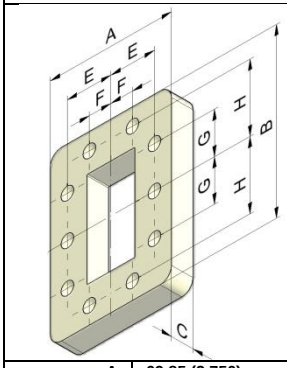
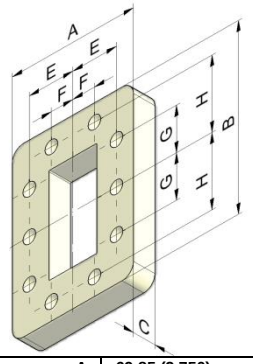
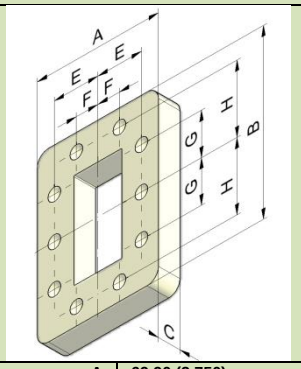
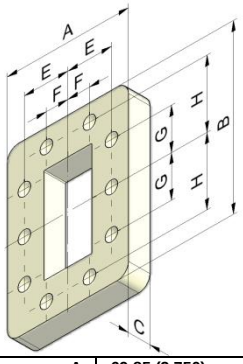
				International		USA	
				plain		plain	
				IEC 60154-2:2016		EIA-166-A	
				60154 IEC-UER 40		CMR 229	
							
				A	50,80 (2.000)	A	50,80 (2.000)
				B	80,20 (3.157)	B	80,17 (3.156)
				E	21,44 (0.844)	E	21,44 (0.844)
				F	10,33 (0.406)	F	10,31 (0.406)
				G	12,70 (0.500)	G	12,70 (0.500)
				H	36,12 (1.422)	H	36,12 (1.422)
				Hole I	Ø4,00 (Ø0.158)	Hole I	Ø3,73 (Ø0.147)
				Hole J		Hole J	0.138-32 UNC-2B
				C	6,40 (0.252)	C	5,72 (0.225)
				Material		Material	Cu, Al, Mg alloys
				F40501			

USA		USA		International		USA	
plain		plain		plain		plain	
MIL-DTL-3922/52E		MIL-DTL-3922/52E		IEC 60154-2:2016		EIA-271-B	
M3922/52-011		M3922/52-012		60154 IEC-UDR 40		CPR 229 F	
							
A	69,85 (2.750)	A	69,85 (2.750)	A	69,90 (2.750)	A	69,85 (2.750)
B	98,55 (3.880)	B	98,55 (3.880)	B	98,40 (3.870)	B	98,43 (3.875)
E	26,67 (1.050)	E	26,67 (1.050)	E	26,67 (1.050)	E	26,67 (1.050)
F	12,70 (0.500)	F	12,70 (0.50)	F	12,70 (0.500)	F	12,70 (0.500)
G	27,18 (1.070)	G	27,18 (1.070)	G	27,18 (1.070)	G	27,18 (1.070)
H	41,15 (1.620)	H	41,15 (1.620)	H	41,15 (1.620)	H	41,15 (1.620)
Hole I	Ø6,53 (Ø0.257)	Hole I	Ø6,53 (Ø0.257)	Hole I	Ø6,35 (Ø0.250)	Hole I	Ø6,58 (Ø0.259)
Hole J		Hole J		Hole J		Hole J	
C	9,65 (0.380)	C	9,65 (0.380)	C	10,00 (0.390)	C	
Material	Cu alloy	Material	Al alloy	Material		Material	Cu, Al, Mg alloys
				F40521			
UG-1726/U		UG-1727/U					

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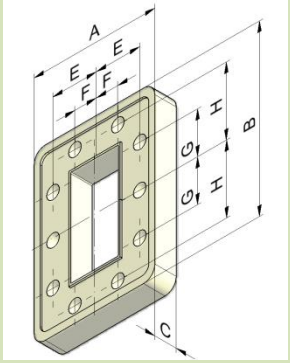
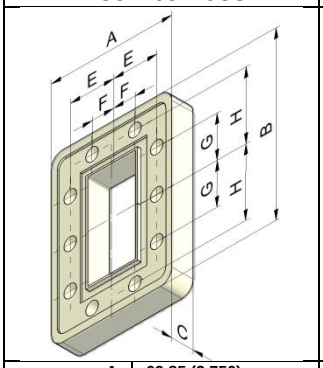
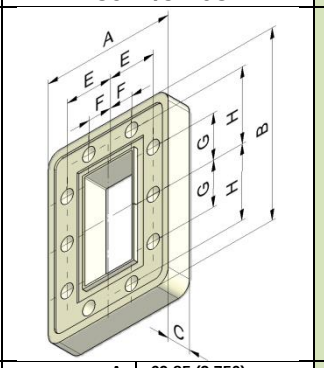
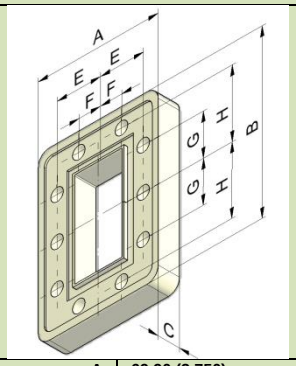
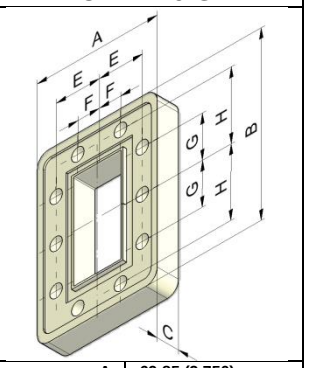
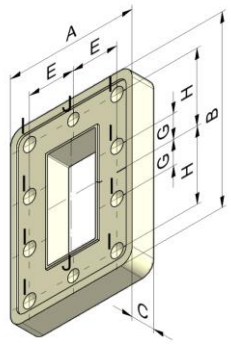
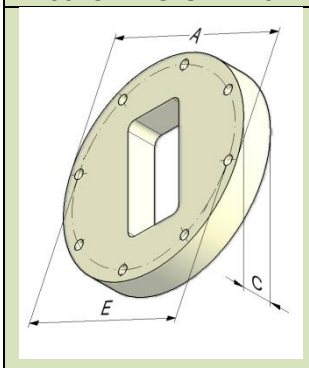
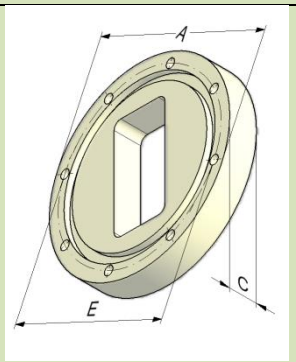
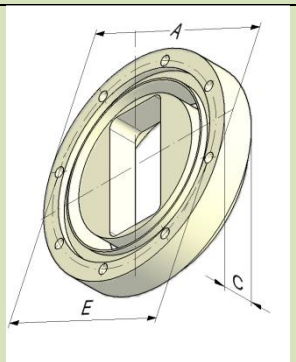
					International		
					plain		
					IEC 60154-2:1997		
					60154 IEC-RDR 40		
							
					A 69,90		
					B 98,40		
					E 26,67		
					F 12,70		
					G 27,18		
					H 41,15		
					Hole I Ø6,35		
					Hole J		
					C 10,00		
					Material		

USA		USA		International		USA	
sealing groove		sealing groove		sealing groove		sealing groove	
MIL-DTL-3922/52E		MIL-DTL-3922/52E		IEC 60154-2:2016		EIA-271-B	
M3922/52-033		M3922/52-034		60154 IEC-PDR 40		CPR 229 G	
							
A	69,85 (2.750)	A	69,85 (2.750)	A	69,90 (2.750)	A	69,85 (2.750)
B	98,55 (3.880)	B	98,55 (3.880)	B	98,40 (3.870)	B	98,43 (3.875)
E	26,67 (1.050)	E	26,67 (1.050)	E	26,67 (1.050)	E	26,67 (1.050)
F	12,70 (0.500)	F	12,70 (0.500)	F	12,70 (0.500)	F	12,70 (0.500)
G	27,18 (1.070)	G	27,18 (1.070)	G	27,18 (1.070)	G	27,18 (1.070)
H	41,15 (1.620)	H	41,15 (1.620)	H	41,15 (1.620)	H	41,15 (1.620)
Hole I	Ø6,53 (Ø0.257)	Hole I	Ø6,53 (Ø0.257)	Hole I	Ø6,35 (Ø0.250)	Hole I	Ø6,58 (Ø0.259)
Hole J		Hole J		Hole J		Hole J	
C	9,65 (0.380)	C	9,65 (0.380)	C	10,00 (0.390)	C	
Material	Cu alloy	Material	Al alloy	Material		Material	Cu, Al, Mg alloys
				F40363		F40359	
UG-1350/U		UG-1351/U					

Template TD-00001I

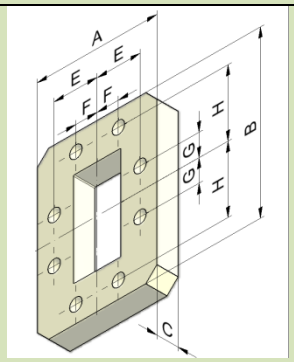
WR 229 R 40 WG 11A

UK							
plain							
DEF-5352:1958							
RR/C830981							
							
A	**71,44 (2.813)**						
B	**103,19 (4.063)**						
E	**25,40 (1.000)**						
F							
G	**14,30 (0.563)**						
H	**41,28 (1.625)**						
Hole I							
Hole J							
C							
Material	**Cu alloy**						
NSN 5985-99-011-9657							

International		**International**		**International**			
plain		**sealing groove**		**choke/sealing groove**			
IEC 60154-2:1997		**IEC 60154-2:1997**		**IEC 60154-2:1997**			
60154 IEC-UAR 40		**60154 IEC-PAR 40**		**60154 IEC-CAR 40**			
							
A	**115,60**	**A**	**115,60**	**A**	**115,60**		
B		**B**		**B**			
E	**101,38**	**E**	**101,38**	**E**	**101,38**		
F		**F**		**F**			
G		**G**		**G**			
H		**H**		**H**			
Hole I	**6,35**	**Hole I**	**6,35**	**Hole I**	**6,35**		
Hole J		**Hole J**		**Hole J**			
C	**7,90**	**C**	**7,90**	**C**	**7,90**		
Material		**Material**		**Material**			

WR 187 R 48 WG 12

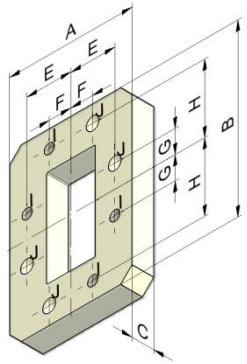
	International
	plain
	IEC 60154-2:2016
	60154 IEC-UER 48

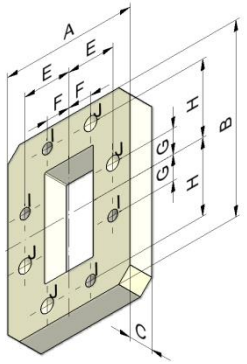


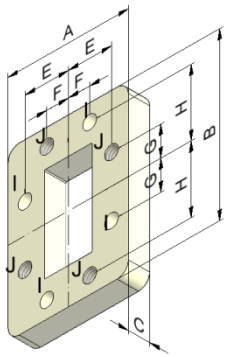
A	45,20 (1.780)
B	70,60 (2.780)
E	18,16 (0.715)
F	11,89 (0.468)
G	10,29 (0.405)
H	30,86 (1.215)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	6,40 (0.252)
Material	

F40790

inactive for new design	inactive for new design		USA
USA	USA		plain
plain	plain		EIA-166-A
MIL-F-3922/63B	MIL-F-3922/63B		CMR 187
M3922/63-001	M3922/63-005		







A	45,24 (1.781)	A	45,24 (1.781)			A	45,24 (1.781)
B	70,64 (2.781)	B	70,64 (2.781)			B	70,64 (2.781)
E	18,16 (0.715)	E	18,16 (0.715)			E	18,16 (0.715)
F	11,89 (0.468)	F	11,89 (0.468)			F	11,89 (0.468)
G	10,29 (0.405)	G	10,29 (0.405)			G	10,29 (0.405)
H	30,86 (1.215)	H	30,86 (1.215)			H	30,86 (1.215)
Hole I	0.138-32 UNC-2B	Hole I	0.138-32 UNC-2B			Hole I	Ø3,73 (Ø0.147)
Hole J	Ø3,73 (Ø0.147)	Hole J	Ø3,73 (Ø0.147)			Hole J	0.138-32 UNC-2B
C	5,72 (0.225)	C	5,72 (0.225)			C	5,72 (0.225)
Material	Cu alloy	Material	Al alloy			Material	Cu, Al, Mg alloys

UG-1475/U	UG-1480/U	

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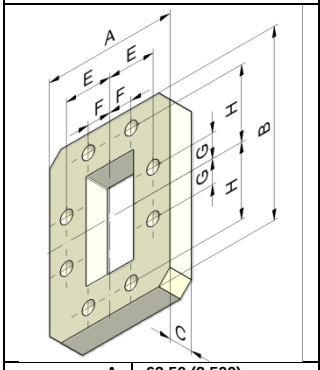
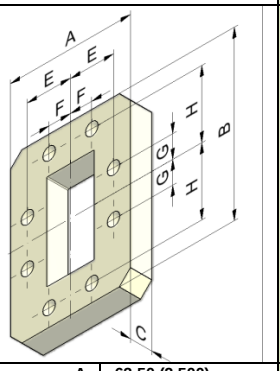
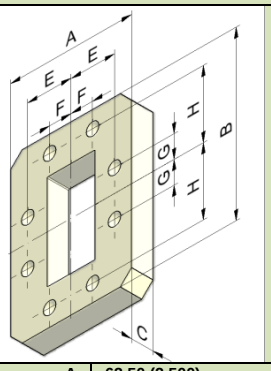
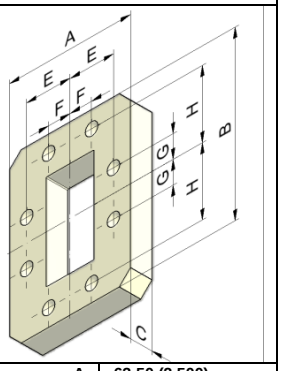
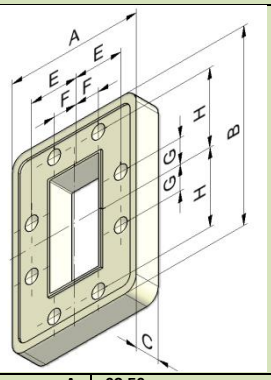
USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-013	M3922/52-014	60154 IEC-UDR 48	CPR 187 F
			
A 63,50 (2.500)	A 63,50 (2.500)	A 63,50 (2.500)	A 63,50 (2.500)
B 88,90 (3.500)	B 88,90 (3.500)	B 88,90 (3.500)	B 88,90 (3.500)
E 23,22 (0.914)	E 23,22 (0.914)	E 23,22 (0.914)	E 23,22 (0.914)
F 11,12 (0.438)	F 11,12 (0.438)	F 11,12 (0.438)	F 11,11 (0.438)
G 14,30 (0.563)	G 14,30 (0.563)	G 14,30 (0.563)	G 14,29 (0.563)
H 35,92 (1.414)	H 35,92 (1.414)	H 35,92 (1.414)	H 35,92 (1.414)
Hole I Ø6,53 (Ø0.257)	Hole I Ø6,53 (Ø0.257)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,55 (Ø0.258)
Hole J	Hole J	Hole J	Hole J
C 9,65 (0.38)	C 9,65 (0.380)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40763	
UG-1728/U	UG-1729/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 48	
			
		A 63,50	
		B 88,90	
		E 23,22	
		F 11,11	
		G 14,29	
		H 35,91	
		Hole I Ø6,35	
		Hole J	
		C 10,00	
		Material	

Template TD-00001I

TD-00077

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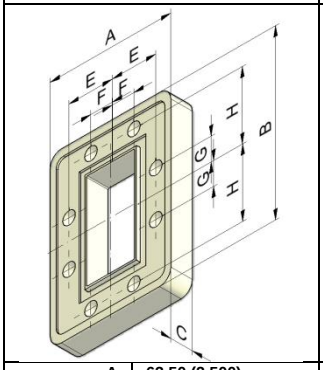
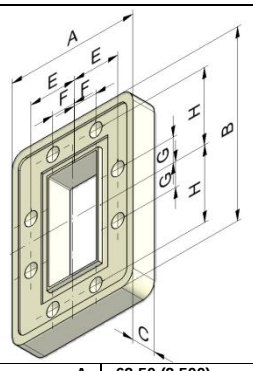
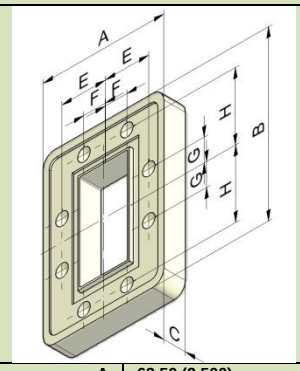
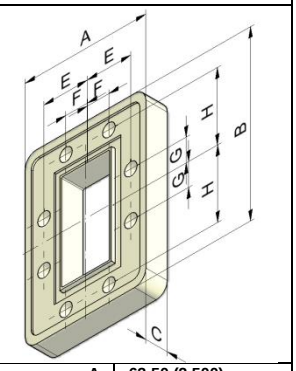
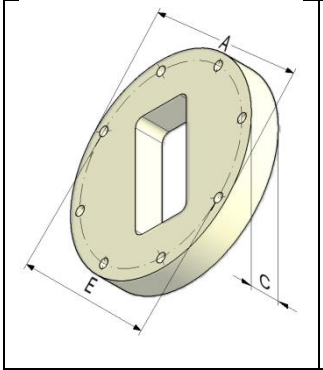
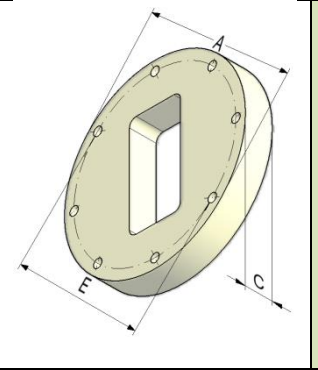
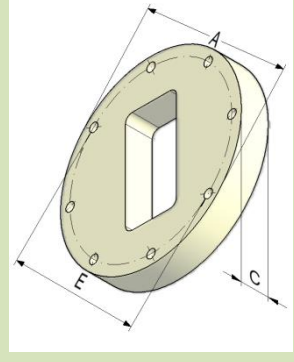
USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-035	M3922/52-036	60154 IEC-PDR 48	CPR 187 G
			
A 63,50 (2.500)	A 63,50 (2.500)	A 63,50 (2.500)	A 63,50 (2.500)
B 88,90 (3.500)	B 88,90 (3.500)	B 88,90 (3.500)	B 88,90 (3.500)
E 23,22 (0.914)	E 23,22 (0.914)	E 23,22 (0.914)	E 23,22 (0.914)
F 11,12 (0.438)	F 11,12 (0.438)	F 11,12 (0.438)	F 11,11 (0.438)
G 14,30 (0.563)	G 14,30 (0.563)	G 14,30 (0.563)	G 14,29 (0.563)
H 35,92 (1.414)	H 35,92 (1.414)	H 35,92 (1.414)	H 35,92 (1.414)
Hole I Ø6,53 (Ø0.257)	Hole I Ø6,53 (Ø0.257)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,55 (Ø0.258)
Hole J	Hole J	Hole J	Hole J
C 9,65 (0.380)	C 9,65 (0.380)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40480	F41633
UG-1352/U	UG-1353/U		

inactive for new design	inactive for new design		
USA	USA	International	
plain	plain	plain	
MIL-DTL-3922/57D	MIL-DTL-3922/57D	IEC 60154-2:2016	
M3922/57-001	M3922/57-002	60154 IEC-UAR 48	
			
A 92,08 (3.625)	A 92,08 (3.625)	A 92,20 (3.630)	
B	B	B	
E 82,55 (3.250)	E 82,55 (3.250)	E 82,55 (3.250)	
F	F	F	
G	G	G	
H	H	H	
Hole I Ø5,05 (Ø 0.199)	Hole I Ø5,05 (Ø 0.199)	Hole I Ø5,00 (Ø 0.197)	
Hole J	Hole J	Hole J	
C 6,35 (0.250)	C 6,35 (0.250)	C 6,40 (0.250)	
Material Al alloy	Material Cu alloy	Material	
		F40495	
UG-407/U	UG-149A/U		

Template TD-00001I

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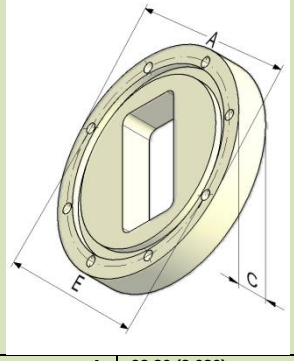
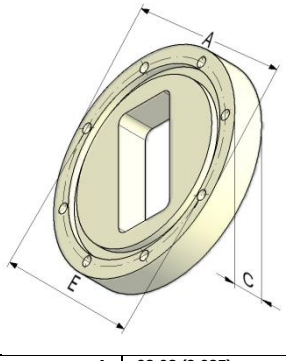
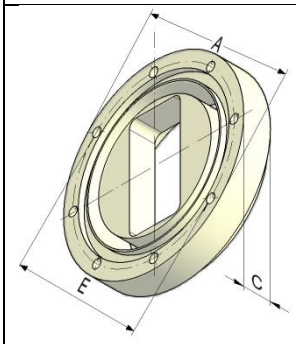
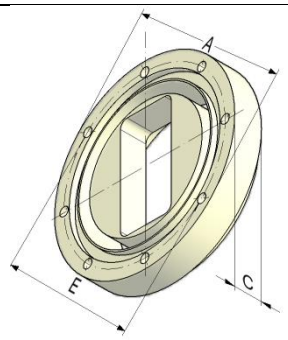
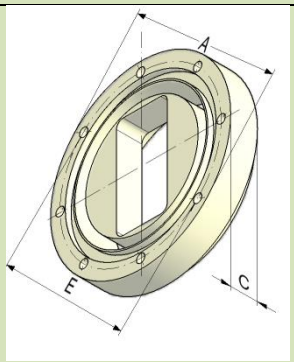
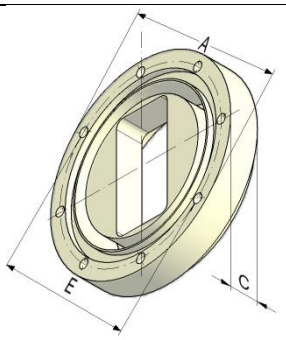
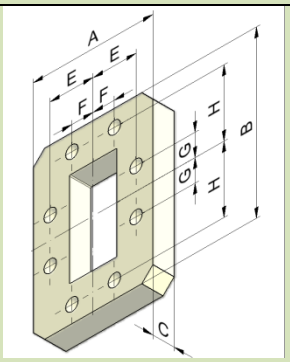
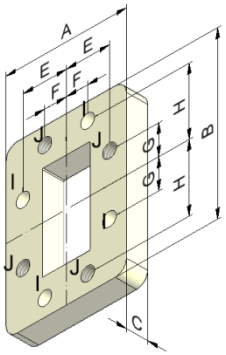
					International		UK
					sealing groove		sealing groove
					IEC 60154-2:2016		DEF-5352:1958
					60154 IEC-PAR 48		TR/B610100
							
				A	92,20 (3.630)	A	92,08 (3.625)
				B		B	
				E	82,55 (3.250)	E	82,55 (3.250)
				F		F	
				G		G	
				H		H	
				Hole I	Ø5,00 (Ø 0.197)	Hole I	
				Hole J		Hole J	
				C	6,40 (0.250)	C	
				Material		Material	Cu alloy
					F40507		
							NSN 5985-99-083-0042

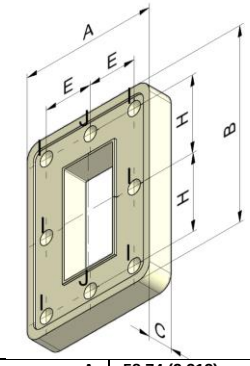
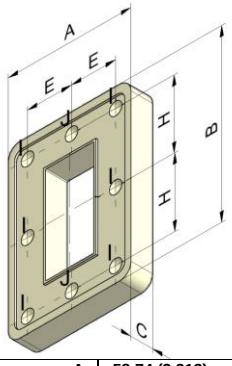
USA		USA		International		UK	
choke/sealing groove		choke/sealing groove		choke/sealing groove		choke/sealing groove	
MIL-DTL-3922/62E		MIL-DTL-3922/62E		IEC 60154-2:2016		DEF-5352:1958	
M3922/62-002		M3922/62-001		60154 IEC-CAR 48		TR/B610099	
							
A	92,08 (3.625)	A	92,08 (3.625)	A	92,20 (3.630)	A	92,08 (3.625)
B		B		B		B	
E	82,55 (3.250)	E	82,55 (3.250)	E	82,55 (3.250)	E	82,55 (3.250)
F		F		F		F	
G		G		G		G	
H		H		H		H	
Hole I	0.190-32 UNF-2A	Hole I	0.190-32 UNF-2A	Hole I	Ø5,00 (Ø 0.197)	Hole I	
Hole J		Hole J		Hole J		Hole J	
C	6,35 (0.250)	C	6,35 (0.250)	C	6,40 (0.250)	C	
Material	Cu alloy	Material	Al alloy	Material		Material	Cu alloy
					F41175		
UG-148C/U		UG-406B/U				NSN 5985-99-083-0041	

Template TD-00001I

TD-00077

WR 159 R 58 WG 13

	International	USA
	plain	plain
	IEC 60154-2:2016	EIA-166-A
	60154 IEC-UER 58	CMR 159
		
A	44,50 (1.752)	44,45 (1.750)
B	63,50 (2.500)	63,50 (2.500)
E	16,84 (0.663)	16,84 (0.663)
F	12,17 (0.479)	12,17 (0.479)
G	9,19 (0.362)	9,19 (0.362)
H	26,95 (1.061)	26,95 (1.061)
Hole I	Ø4,00 (Ø0.158)	Ø3,73 (Ø0.147)
Hole J		0.138-32 UNC-2B
C	6,40 (0.252)	5,72 (0.225)
Material		Cu, Al, Mg alloys
	F40462	

UK	UK
plain	plain
DEF-5352:1958	DEF-5352:1958
RR/B610729	RR/B610983
	
A 58,74 (2.313)	A 58,74 (2.313)
B 77,79 (3.063)	B 77,79 (3.063)
E 21,59 (0.850)	E 21,59 (0.850)
F	F
G	G
H 30,99 (1.220)	H 30,99 (1.220)
Hole I	Hole I
Hole J	Hole J
C	C
Material Cu alloy	Material Al alloy
NSN 5985-99-083-1602	NSN 5985-99-083-0129

Template TD-00001I

TD-00077

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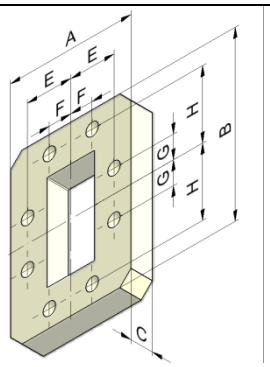
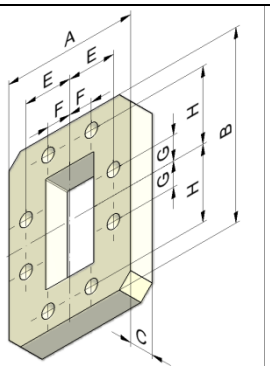
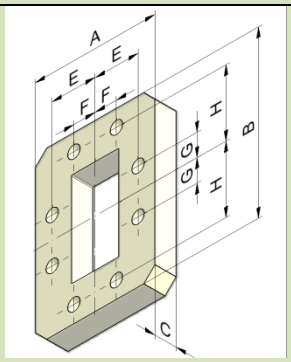
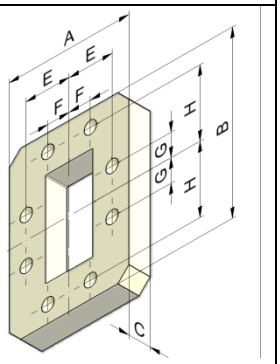
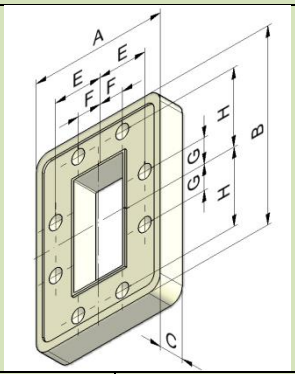
USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-015	M3922/52-016	60154 IEC-UDR 58	CPR 159 F
			
A 61,98 (2.440)	A 61,98 (2.440)	A 61,90 (2.440)	A 61,91 (2.428)
B 81,03 (3.190)	B 81,03 (3.190)	B 81,00 (3.190)	B 80,95 (3.187)
E 22,22 (0.875)	E 22,22 (0.875)	E 22,23 (0.875)	E 22,23 (0.875)
F 9,52 (0.375)	F 9,52 (0.375)	F 9,52 (0.375)	F 9,52 (0.375)
G 12,70 (0.500)	G 12,70 (0.500)	G 12,70 (0.500)	G 12,70 (0.500)
H 32,33 (1.273)	H 32,33 (1.273)	H 32,33 (1.273)	H 32,33 (0.273)
Hole I Ø6,53 (Ø0.257)	Hole I Ø6,53 (Ø0.257)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,53 (Ø0.257)
Hole J	Hole J	Hole J	Hole J
C 9,65 (0.380)	C 9,65 (0.380)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40782	
UG-1730/U	UG-1731/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 58	
			
		A 61,90	
		B 81,00	
		E 22,23	
		F 9,52	
		G 12,70	
		H 32,33	
		Hole I Ø6,35	
		Hole J	
		C 10,00	
		Material	

Template TD-00001I

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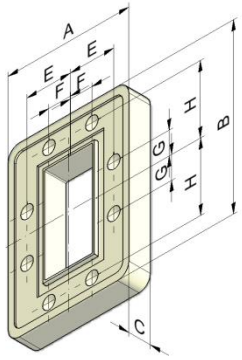
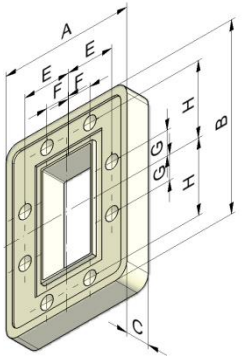
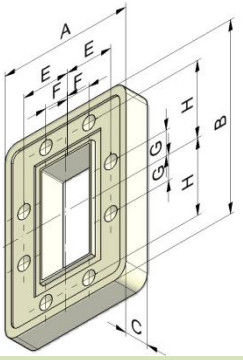
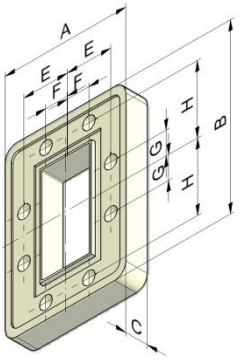
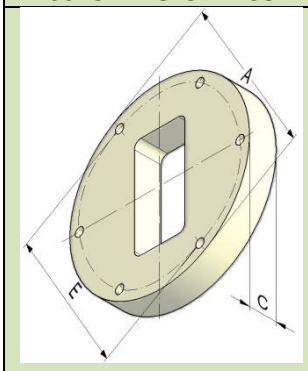
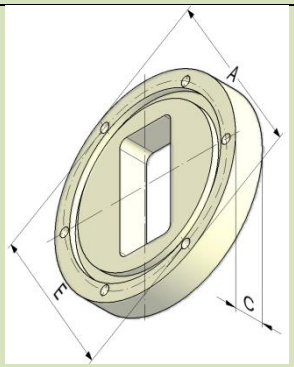
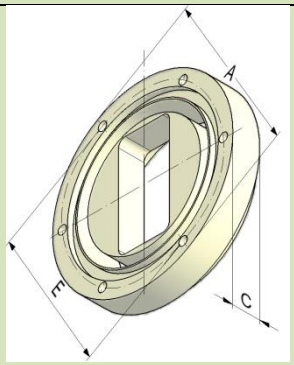
USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-037	M3922/52-038	60154 IEC-PDR 58	CPR 159 G
			
A 61,98 (2.440)	A 61,98 (2.440)	A 61,90 (2.440)	A 61,91 (2.428)
B 81,03 (3.190)	B 81,03 (3.190)	B 81,00 (3.190)	B 80,95 (3.187)
E 22,22 (0.875)	E 22,22 (0.875)	E 22,23 (0.875)	E 22,23 (0.875)
F 9,52 (0.375)	F 9,52 (0.375)	F 9,52 (0.375)	F 9,52 (0.375)
G 12,70 (0.500)	G 12,70 (0.500)	G 12,70 (0.500)	G 12,70 (0.500)
H 32,33 (1.273)	H 32,33 (1.273)	H 32,33 (1.273)	H 32,33 (0.273)
Hole I Ø6,53 (Ø0.257)	Hole I Ø6,53 (Ø0.257)	Hole I Ø6,35 (Ø0.250)	Hole I Ø6,53 (Ø0.257)
Hole J	Hole J	Hole J	Hole J
C 9,65 (0.380)	C 9,65 (0.380)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40443	F40513
UG-1354/U	UG-1355/U		

International	International	International	
plain	sealing groove	choke/sealing groove	
IEC 60154-2:2016	IEC 60154-2:2016	IEC 60154-2:2016	
60154 IEC-UAR 58	60154 IEC-PAR 58	60154 IEC-CAR 58	
			
A 85,90 (3.380)	A 85,90 (3.380)	A 85,90 (3.380)	
B	B	B	
E 76,20 (3.000)	E 76,20 (3.000)	E 76,20 (3.000)	
F	F	F	
G	G	G	
H	H	H	
Hole I Ø5,00 (Ø0.197)	Hole I Ø5,00 (Ø0.197)	Hole I Ø5,00 (Ø0.197)	
Hole J	Hole J	Hole J	
C 6,40 (0.250)	C 6,40 (0.250)	C 6,40 (0.250)	
Material	Material	Material	
F40734	F40925	F41235	

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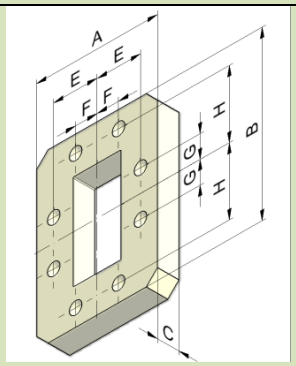
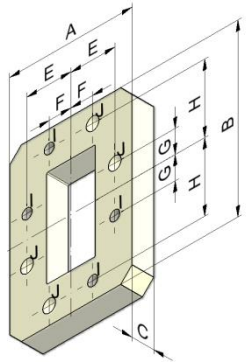
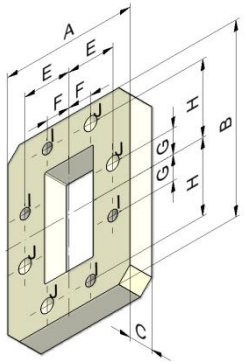
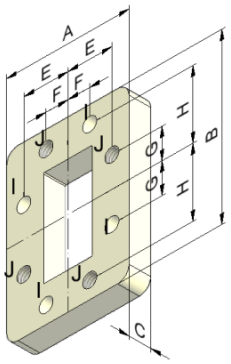
	International
	plain
	IEC 60154-2:2016
	60154 IEC-UER 70
	
A	38,90 (1.532)
B	57,94 (2.281)
E	14,99 (0.590)
F	8,71 (0.343)
G	8,18 (0.322)
H	24,51 (0.965)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	6,40 (0.252)
Material	
	F40502

inactive for new design	inactive for new design		USA
USA	**USA**		**plain**
plain	**plain**		**EIA-166-A**
MIL-F-3922/63B	**MIL-F-3922/63B**		**CMR 137**
M3922/63-002	**M3922/63-006**		
			
A 38,89 (1.531)	**A** 38,89 (1.531)		**A** 38,89 (1.531)
B 57,94 (2.281)	**B** 57,94 (2.281)		**B** 57,94 (2.281)
E 14,99 (0.590)	**E** 14,99 (0.590)		**E** 14,99 (0.590)
F 8,71 (0.343)	**F** 8,71 (0.343)		**F** 8,71 (0.343)
G 8,18 (0.322)	**G** 8,18 (0.322)		**G** 8,18 (0.322)
H 24,51 (0.965)	**H** 24,51 (0.965)		**H** 24,51 (0.965)
Hole I 0.138-32 UNC-2B	**Hole I** 0.138-32 UNC-2B		**Hole I** Ø3,73 (Ø0.147)
Hole J Ø3,73 (Ø0.147)	**Hole J** Ø3,73 (Ø0.147)		**Hole J** 0.138-32 UNC-2B
C 5,72 (0.225)	**C** 5,72 (0.225)		**C** 5,72 (0.225)
Material Cu alloy	**Material** Al alloy		**Material** Cu, Al, Mg alloys
UG-1476/U	**UG-1481/U**		

Template TD-00001I

TD-00077

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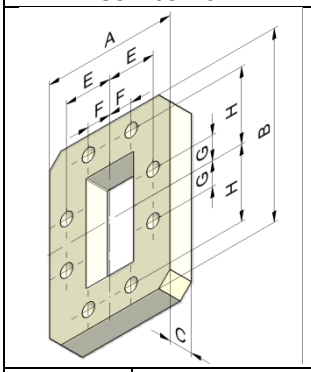
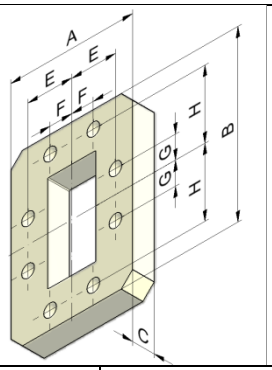
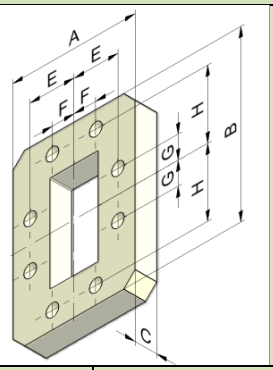
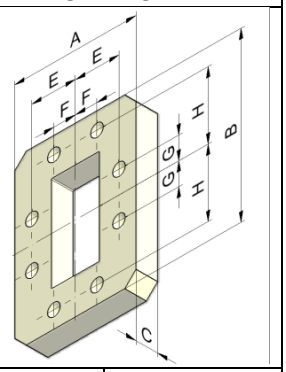
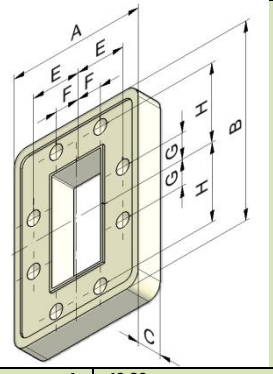
USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-017	M3922/52-018	60154 IEC-UDR 70	CPR 137 F
			
A 49,28 (1.940)	A 49,28 (1.940)	A 49,20 (1.940)	A 49,21 (1.938)
B 68,33 (2.690)	B 68,33 (2.690)	B 68,30 (2.690)	B 68,26 (2.688)
E 18,26 (0.719)	E 18,26 (0.719)	E 18,26 (0.719)	E 18,26 (0.719)
F 7,95 (0.313)	F 7,95 (0.313)	F 7,94 (0.313)	F 7,94 (0.125)
G 11,12 (0.438)	G 11,12 (0.438)	G 11,11 (0.438)	G 11,11 (0.438)
H 27,79 (1.094)	H 27,79 (1.094)	H 27,79 (1.094)	H 27,79 (1.094)
Hole I Ø4,98 (Ø0.196)	Hole I Ø4,98 (Ø0.196)	Hole I Ø5,00 (Ø0.197)	Hole I Ø5,03 (Ø0.198)
Hole J	Hole J	Hole J	Hole J
C 6,35 (0.250)	C 6,35 (0.250)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40750	
UG-1732/U	UG-1733/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 70	
			
		A 49,20	
		B 68,30	
		E 18,26	
		F 7,94	
		G 11,11	
		H 27,79	
		Hole I Ø5,00	
		Hole J	
		C 10,00	
		Material	

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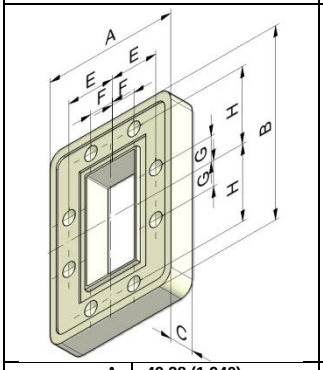
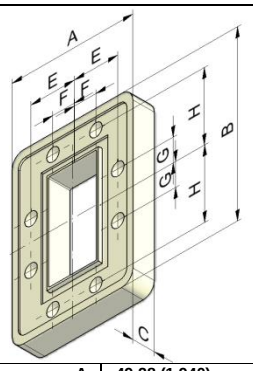
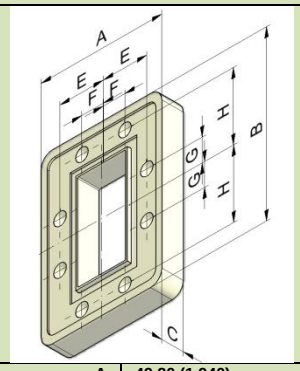
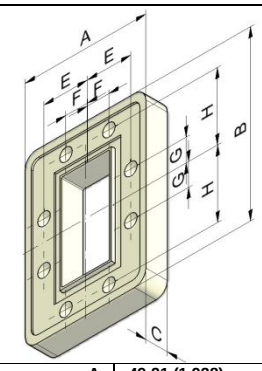
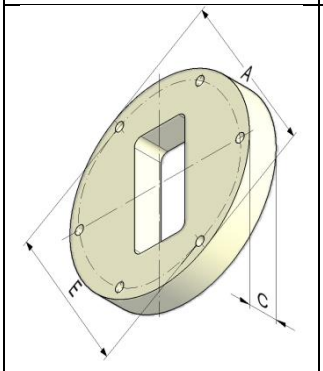
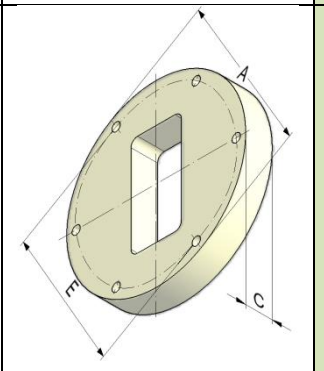
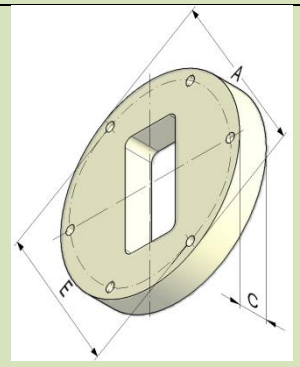
USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-039	M3922/52-040	60154 IEC-PDR 70	CPR 137 G
			
A 49,28 (1.940)	A 49,28 (1.940)	A 49,20 (1.940)	A 49,21 (1.938)
B 68,33 (2.690)	B 68,33 (2.690)	B 68,30 (2.690)	B 68,26 (2.688)
E 18,26 (0.719)	E 18,26 (0.719)	E 18,26 (0.719)	E 18,26 (0.719)
F 7,95 (0.313)	F 7,95 (0.313)	F 7,94 (0.313)	F 7,94 (0.125)
G 11,12 (0.438)	G 11,12 (0.438)	G 11,11 (0.438)	G 11,11 (0.438)
H 27,79 (1.094)	H 27,79 (1.094)	H 27,79 (1.094)	H 27,79 (1.094)
Hole I Ø4,98 (Ø0.196)	Hole I Ø4,98 (Ø0.196)	Hole I Ø5,00 (Ø0.197)	Hole I Ø5,03 (Ø0.198)
Hole J	Hole J	Hole J	Hole J
C 6,35 (0.250)	C 6,35 (0.250)	C 10,00 (0.390)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40442	F40361
UG-1356/U	UG-1357/U		

inactive for new design	inactive for new design		
USA	USA	International	
plain	plain	plain	
MIL-DTL-3922/55D	MIL-DTL-3922/55D	IEC 60154-2:2016	
M3922/55-001	M3922/55-002	60154 IEC-UAR 70	
			
A 79,38 (3.125)	A 79,38 (3.125)	A 79,50 (3.130)	
B	B	B	
E 69,85 (2.750)	E 69,85 (2.750)	E 69,85 (2.750)	
F	F	F	
G	G	G	
H	H	H	
Hole I Ø5,05 (Ø0.199)	Hole I Ø5,05 (Ø0.199)	Hole I Ø5,00 (Ø0.197)	
Hole J	Hole J	Hole J	
C 6,35 (0.250)	C 6,35 (0.250)	C 6,40 (0.250)	
Material Cu alloy	Material Al alloy	Material	
		F40340	
UG-344/U	UG-441/U		

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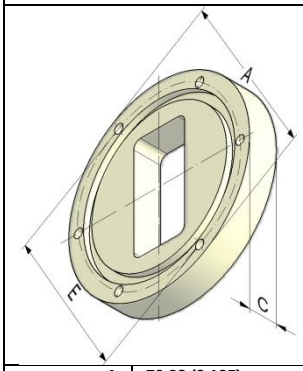
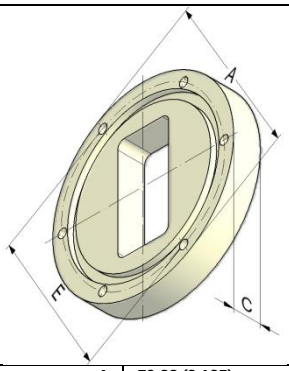
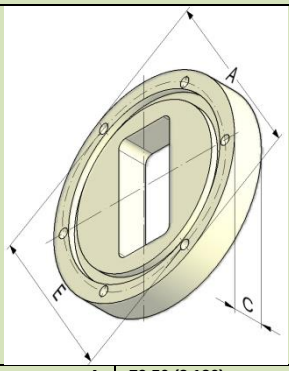
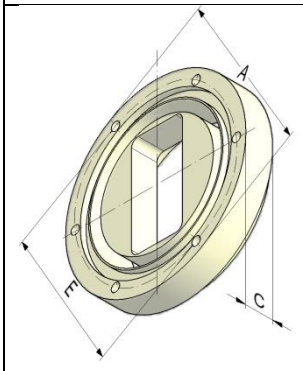
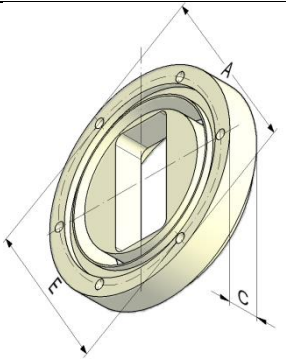
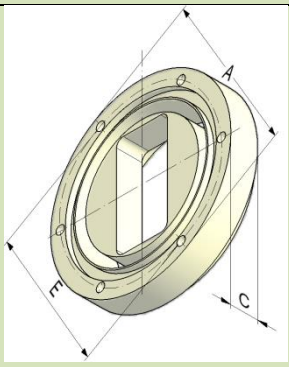
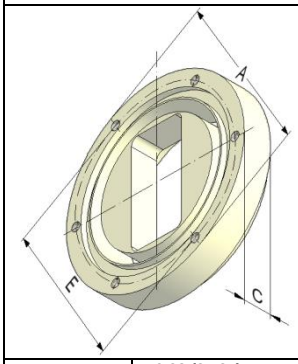
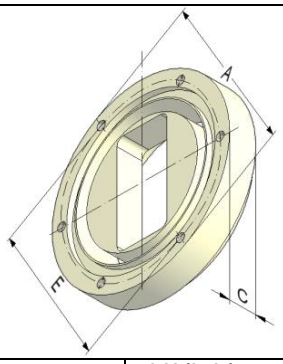
UK	UK	International	
sealing groove	sealing groove	sealing groove	
DEF-5352:1958	DEF-5352:1958	IEC 60154-2:2016	
TR/B610104	RR/B610921	60154 IEC-PAR 70	
			
A 79,38 (3.125)	A 79,38 (3.125)	A 79,50 (3.130)	
B	B	B	
E 69,85 (2.750)	E 69,85 (2.750)	E 69,85 (2.750)	
F	F	F	
G	G	G	
H	H	H	
Hole I	Hole I	Hole I Ø5,00 (Ø0.197)	
Hole J	Hole J	Hole J	
C	C	C 6,40 (0.250)	
Material Cu alloy	Material Al alloy	Material	
		F40340-1	
NSN 5985-99-083-0038	NSN 5985-99-083-0132		

UK	UK	International	
choke/sealing groove	choke/sealing groove	choke/sealing groove	
DEF-5352:1958	DEF-5352:1958	IEC 60154-2:2016	
TR/B610103	RR/B610920	60154 IEC-CAR 70	
			
A 79,38 (3.125)	A 79,38 (3.125)	A 79,50 (3.130)	
B	B	B	
E 69,85 (2.750)	E 69,85 (2.750)	E 69,85 (2.750)	
F	F	F	
G	G	G	
H	H	H	
Hole I	Hole I	Hole I Ø5,00 (Ø0.197)	
Hole J	Hole J	Hole J	
C	C	C 6,40 (0.250)	
Material Cu alloy	Material Al alloy	Material	
		F41181	
NSN 5985-99-083-0037	NSN 5985-99-083-0131		

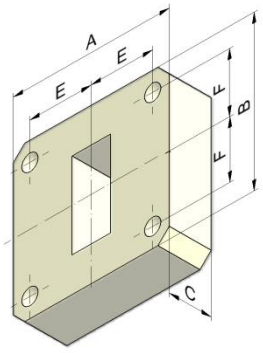
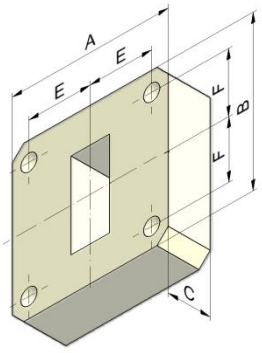
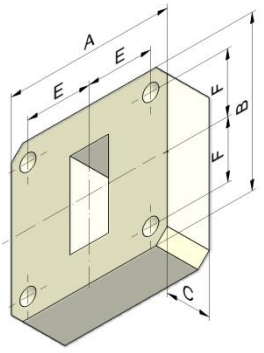
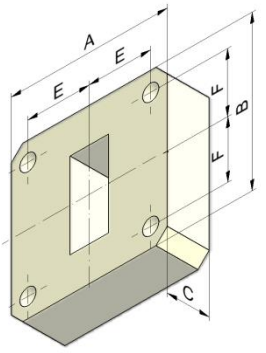
Template TD-00001I

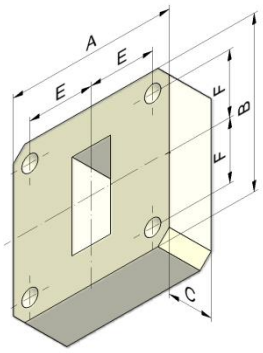
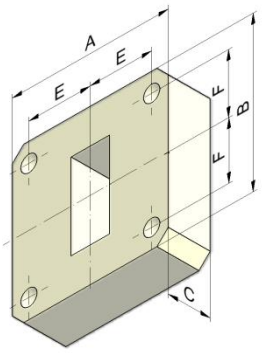
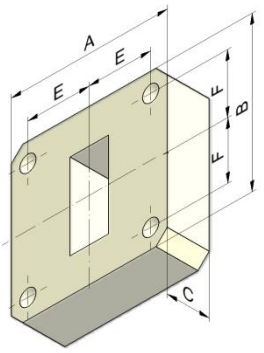
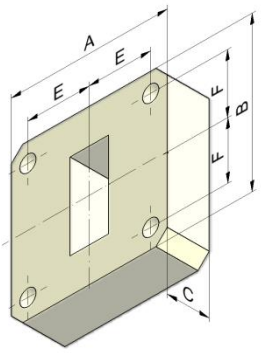
WR 137 R 70 WG 14

inactive for new design	inactive for new design		
USA	USA		
choke/sealing groove	choke/sealing groove		
MIL-DTL-3922/60D	MIL-DTL-3922/60D		
M3922/60-001	M3922/60-002		
			

A	79,38 (3.125)	A	79,38 (3.125)				
B		B					
E	69,85 (2.750)	E	69,85 (2.750)				
F		F					
G		G					
H		H					
Hole I	0.190-32 UNF-2B	Hole I	0.190-32 UNF-2B				
Hole J		Hole J					
C	6,35 (0.250)	C	6,35 (0.250)				
Material	Cu alloy	Material	Al alloy				
UG-343B/U		UG-440B/U					

WR 112 R 84 WG 15

				inactive for new design		inactive for new design	
USA		USA		USA		USA	
plain		plain		plain		plain	
MIL-DTL-3922/53F		MIL-DTL-3922/53F		MIL-DTL-3922/54E		MIL-DTL-3922/54E	
M3922/53-002		M3922/53-004		M3922/54-011		M3922/54-012	
							
A	47,63 (1.875)	A	47,63 (1.875)	A	47,62 (1.875)	A	47,62 (1.875)
B	47,63 (1.875)	B	47,63 (1.875)	B	47,62 (1.875)	B	47,62 (1.875)
E	18,72 (0.737)	E	18,72 (0.737)	E	18,72 (0.737)	E	18,72 (0.737)
F	17,17 (0.676)	F	17,17 (0.676)	F	17,17 (0.676)	F	17,17 (0.676)
G		G		G		G	
H		H		H		H	
Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)
Hole J		Hole J		Hole J		Hole J	
C	6,35 (0.250)	C	6,35 (0.250)	C	6,35 (0.250)	C	6,35 (0.250)
Material	Cu alloy	Material	Al alloy	Material	Cu alloy	Material	Al alloy
UG-51/U		UG-138/U					

USA		USA		USA		USA	
plain		plain		plain		plain	
MIL-DTL-3922/70C		MIL-DTL-3922/70C		MIL-DTL-3922/70C		MIL-DTL-3922/70C	
M3922/70-001		M3922/70-002		M3922/70-013		M3922/70-014	
							
A	42,85 (1.687)	A	42,85 (1.687)	A	42,85 (1.687)	A	42,85 (1.687)
B	42,85 (1.687)	B	42,85 (1.687)	B	42,85 (1.687)	B	42,85 (1.687)
E	17,02 (0.670)	E	17,02 (0.670)	E	17,02 (0.670)	E	17,02 (0.670)
F	16,26 (0.640)	F	16,26 (0.640)	F	16,26 (0.640)	F	16,26 (0.640)
G		G		G		G	
H		H		H		H	
Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)
Hole J		Hole J		Hole J		Hole J	
C	6,35 (0.250)	C	6,35 (0.250)	C	6,35 (0.250)	C	6,35 (0.250)
Material	Cu alloy	Material	Al alloy	Material	Cu alloy	Material	Al alloy
UG-1493/U							

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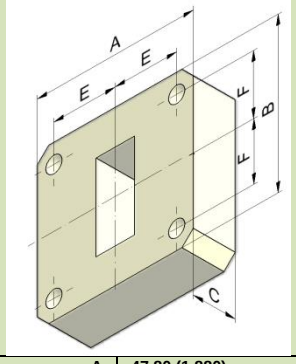
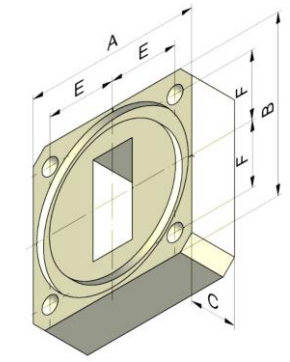
	International
	plain
	IEC 60154-2:2016
	60154 IEC-UBR 84

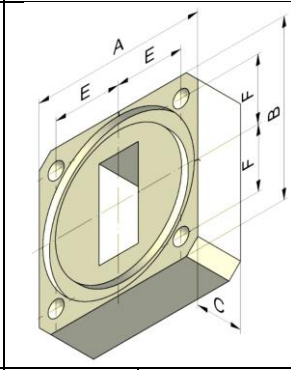


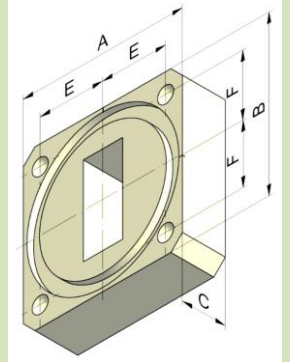
A	47,80 (1.880)
B	47,80 (1.880)
E	18,72 (0.737)
F	17,17 (0.676)
G	
H	
Hole I	Ø4,17 (Ø0.164)
Hole J	
C	6,40 (0.250)
Material	

F40486

UK	UK	International
sealing groove	sealing groove	sealing groove
DEF-5352:1958	DEF-5352:1958	IEC 60154-2:2016
TR/B610112	TR/B610915	60154 IEC-PBR 84







A	47,63 (1.875)	A	47,63 (1.875)	A	47,80 (1.880)
B	47,63 (1.875)	B	47,63 (1.875)	B	47,80 (1.880)
E	18,72 (0.737)	E	18,72 (0.737)	E	18,72 (0.737)
F	17,17 (0.676)	F	17,17 (0.676)	F	17,17 (0.676)
G		G		G	
H		H		H	
Hole I		Hole I		Hole I	Ø4,17 (Ø0.164)
Hole J		Hole J		Hole J	
C		C		C	6,40 (0.250)
Material	Cu alloy	Material	Al alloy	Material	
				F40489	
NSN 5985-99-083-0034		NSN 5985-99-011-9112			

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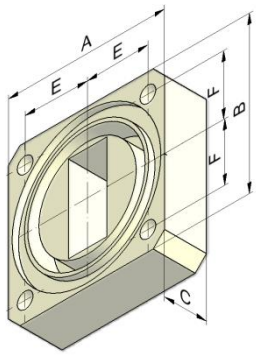
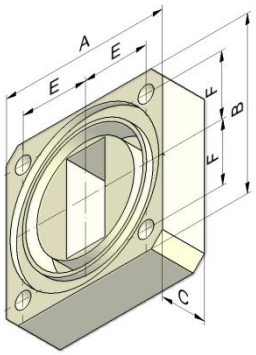
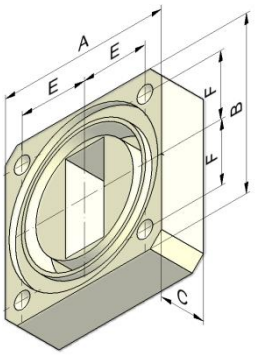
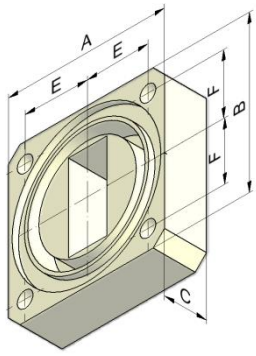
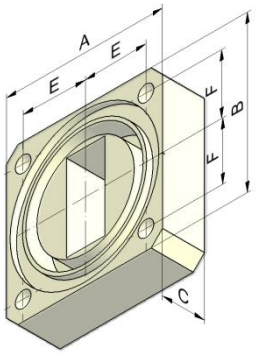
USA	USA	International	
choke/sealing groove	choke/sealing groove	choke/sealing groove	
MIL-DTL-3922/59F	MIL-DTL-3922/59F	IEC 60154-2:2016	
M3922/59-015	M3922/59-016	60154 IEC-CBR 84	
			
A 47,63 (1.875)	A 47,63 (1.875)	A 47,80 (1.880)	
B 47,63 (1.875)	B 47,63 (1.875)	B 47,80 (1.880)	
E 18,72 (0.737)	E 18,72 (0.737)	E 18,72 (0.737)	
F 17,17 (0.676)	F 17,17 (0.676)	F 17,17 (0.676)	
G	G	G	
H	H	H	
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,17 (Ø0.164)	
Hole J	Hole J	Hole J	
C 6,35 (0.250)	C 6,35 (0.250)	C 6,40 (0.250)	
Material Cu alloy	Material Al alloy	Material	
		F41238	

UK	UK		
choke/sealing groove	choke/sealing groove		
DEF-5352:1958	DEF-5352:1958		
TR/B610111	TR/B610914		
			
A 47,63 (1.875)	A 47,63 (1.875)		
B 47,63 (1.875)	B 47,63 (1.875)		
E 18,72 (0.737)	E 18,72 (0.737)		
F 17,17 (0.676)	F 17,17 (0.676)		
G	G		
H	H		
Hole I	Hole I		
Hole J	Hole J		
C	C		
Material Cu alloy	Material Al alloy		
NSN 5985-99-083-0033	NSN 5985-99-083-0134		

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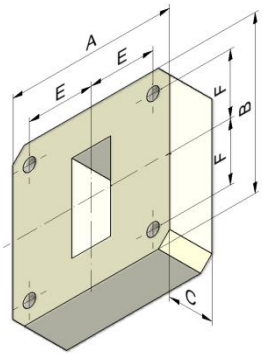
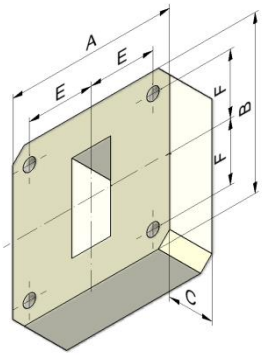
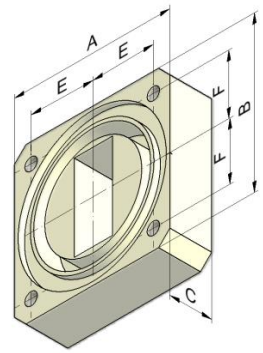
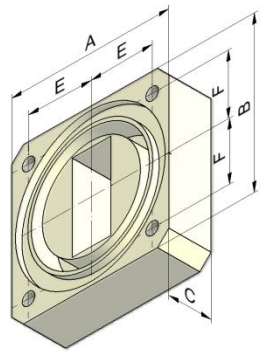
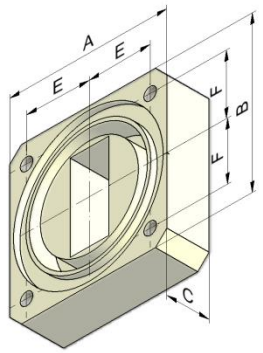
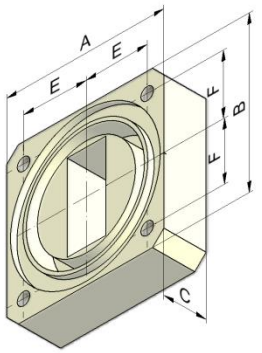
inactive for new design		inactive for new design					
USA		USA					
plain		plain					
MIL-DTL-3922/54E		MIL-DTL-3922/54E					
M3922/54-005		M3922/54-006					
							
A	47,62 (1.875)	A	47,62 (1.875)				
B	47,62 (1.875)	B	47,62 (1.875)				
E	18,72 (0.737)	E	18,72 (0.737)				
F	17,17 (0.676)	F	17,17 (0.676)				
G		G					
H		H					
Hole I	0.164-32 UNC-2B	Hole I	0.164-32 UNC-2B				
Hole J		Hole J					
C	6,35 (0.250)	C	6,35 (0.250)				
Material	Cu alloy	Material	Al alloy				

			canceled w/o replacement	canceled w/o replacement
USA	USA	USA	USA	
choke/sealing groove	choke/sealing groove	choke/sealing groove	choke/sealing groove	
MIL-DTL-3922/59F	MIL-DTL-3922/59F	MIL-DTL-3922/69	MIL-DTL-3922/69	
M3922/59-007	M3922/59-009	M3922/69-001	M3922/69-002 & 003	
				
A 47,63 (1.875)	A 47,63 (1.875)	A 42,85 (1.687)	A 42,85 (1.687)	
B 47,63 (1.875)	B 47,63 (1.875)	B 42,85 (1.687)	B 42,85 (1.687)	
E 18,72 (0.737)	E 18,72 (0.737)	E 17,02 (0.670)	E 17,02 (0.670)	
F 17,17 (0.676)	F 17,17 (0.676)	F 16,26 (0.640)	F 16,26 (0.640)	
G	G	G	G	
H	H	H	H	
Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B	
Hole J	Hole J	Hole J	Hole J	
C 6,35 (0.250)	C 6,35 (0.250)	C 6,35 (0.250)	C 6,35 (0.250)	
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy 6061 & 6063	
UG-52B/U	UG-137B/U	UG-1494/U		

Template TD-00001I

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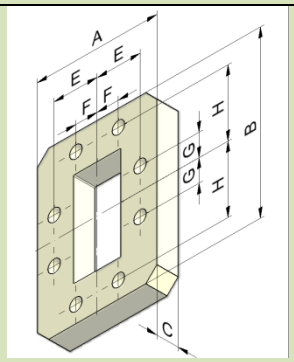
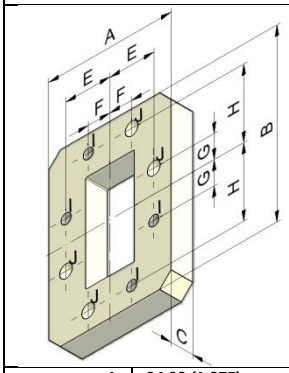
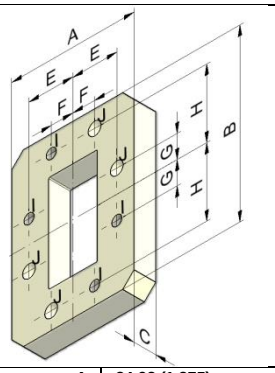
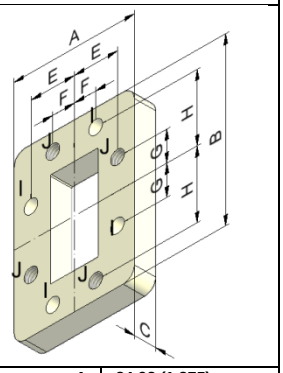
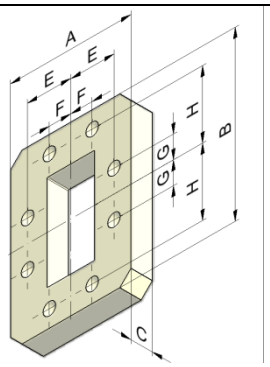
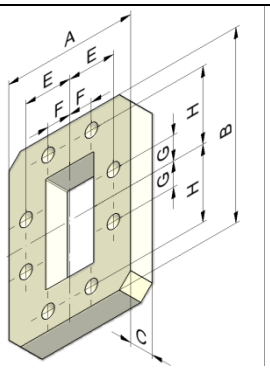
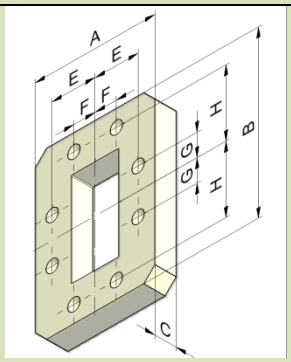
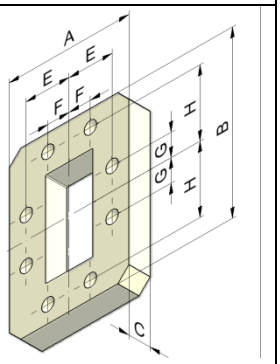
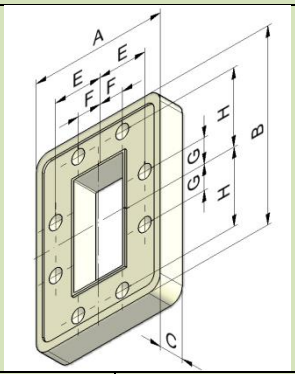
	International
	plain
	IEC 60154-2:2016
	60154 IEC-UER 84
	
A	34,90 (1.374)
B	51,20 (2.016)
E	13,13 (0.517)
F	7,11 (0.280)
G	7,04 (0.277)
H	21,08 (0.830)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	6,40 (0.252)
Material	
	F40514

inactive for new design	inactive for new design		USA
USA	**USA**		**plain**
plain	**plain**		**EIA-166-A**
MIL-F-3922/63B	**MIL-F-3922/63B**		**CMR 112**
M3922/63-003	**M3922/63-007**		
			
A 34,93 (1.375)	**A** 34,93 (1.375)		**A** 34,93 (1.375)
B 51,21 (2.016)	**B** 51,21 (2.016)		**B** 51,21 (2.016)
E 13,13 (0.517)	**E** 13,13 (0.517)		**E** 13,13 (0.517)
F 7,11 (0.280)	**F** 7,11 (0.280)		**F** 7,11 (0.280)
G 7,04 (0.277)	**G** 7,04 (0.277)		**G** 7,03 (0.277)
H 21,08 (0.830)	**H** 21,08 (0.830)		**H** 21,08 (0.830)
Hole I 0.138-32 UNC-2B	**Hole I** 0.138-32 UNC-2B		**Hole I** Ø3,73 (Ø0.147)
Hole J Ø3,73 (Ø0.147)	**Hole J** Ø3,73 (Ø0.147)		**Hole J** 0.138-32 UNC-2B
C 5,72 (0.225)	**C** 5,72 (0.225)		**C** 5,72 (0.225)
Material Cu alloy	**Material** Al alloy		**Material** Cu, Al, Mg alloys
UG-1477/U	**UG-1482/U**		

Template TD-00001I

WR 112 R 84 WG 15

USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-019	M3922/52-020	60154 IEC-UDR 84	CPR 112 F
			
A 44,45 (1.750)	A 44,45 (1.750)	A 44,50 (1.750)	A 44,50 (1.752)
B 63,50 (2.500)	B 63,50 (2.500)	B 63,50 (2.500)	B 63,50 (2.500)
E 16,26 (0.640)	E 16,26 (0.640)	E 16,27 (0.640)	E 16,26 (0.640)
F 7,95 (0.313)	F 7,95 (0.313)	F 7,94 (0.313)	F 7,95 (0.313)
G 9,52 (0.375)	G 9,52 (0.375)	G 9,52 (0.375)	G 9,53 (0.375)
H 24,21 (0.953)	H 24,21 (0.953)	H 24,21 (0.953)	H 24,20 (0.953)
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,00 (Ø0.158)	Hole I Ø4,29 (Ø0.169)
Hole J	Hole J	Hole J	Hole J
C 6,35 (0.250)	C 6,35 (0.250)	C 7,50 (0.300)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40524	
UG-1734/U	UG-1735/U		

		International	
		plain	
		IEC 60154-2:1997	
		60154 IEC-RDR 84	
			
		A 44,50	
		B 63,50	
		E 16,27	
		F 7,94	
		G 9,52	
		H 24,21	
		Hole I Ø4,00	
		Hole J	
		C 7,50	
		Material	

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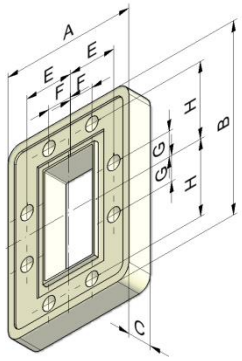
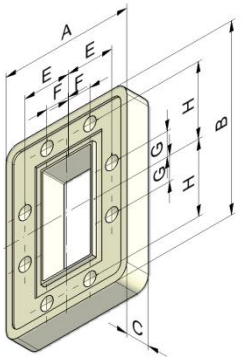
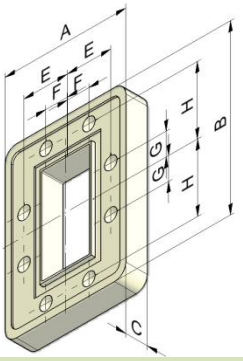
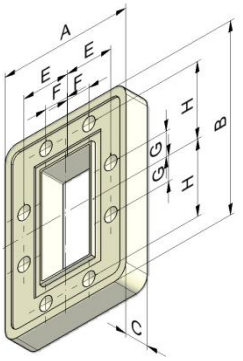
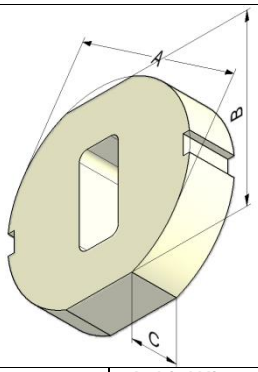
WR 112 R 84 WG 15

USA	USA	International	USA
sealing groove	sealing groove	sealing groove	sealing groove
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-041	M3922/52-042	60154 IEC-PDR 84	CPR 112 G
			
A 44,45 (1.750)	A 44,45 (1.750)	A 44,50 (1.750)	A 44,50 (1.752)
B 63,50 (2.500)	B 63,50 (2.500)	B 63,50 (2.500)	B 63,50 (2.500)
E 16,26 (0.640)	E 16,26 (0.640)	E 16,27 (0.640)	E 16,26 (0.640)
F 7,95 (0.313)	F 7,95 (0.313)	F 7,94 (0.313)	F 7,95 (0.313)
G 9,52 (0.375)	G 9,52 (0.375)	G 9,52 (0.375)	G 9,53 (0.375)
H 24,21 (0.953)	H 24,21 (0.953)	H 24,21 (0.953)	H 24,20 (0.953)
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,00 (Ø0.158)	Hole I Ø4,29 (Ø0.169)
Hole J	Hole J	Hole J	Hole J
C 6,35 (0.250)	C 6,35 (0.250)	C 7,50 (0.300)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40461	F40317
UG-1358/U	UG-1359/U		

		UK	
		plain	
		UCR 84	
			
		A 48,46 (1.908)	
		B 45,72 (1.800)	
		E	
		F	
		G	
		H	
		Hole I	
		Hole J	
		C	
		Material	

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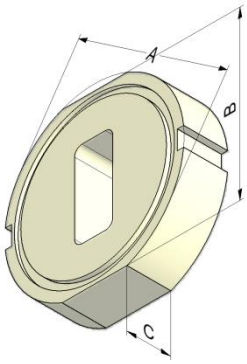
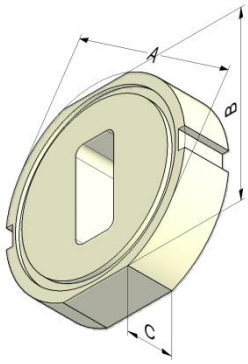
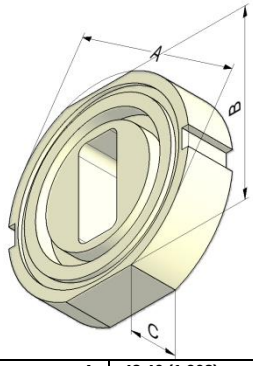
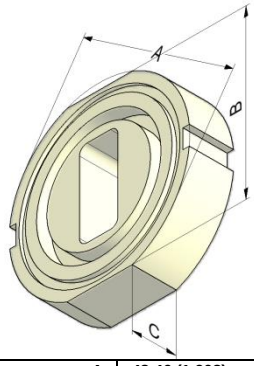
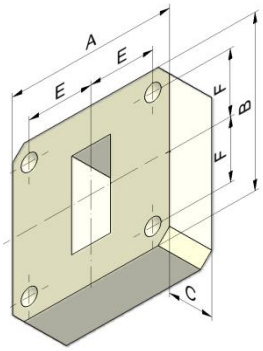
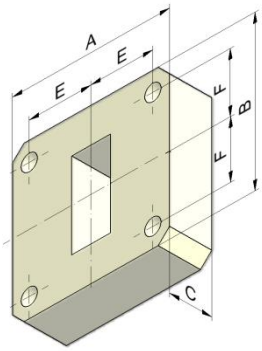
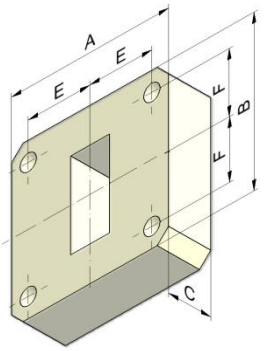
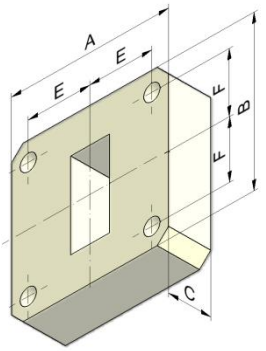
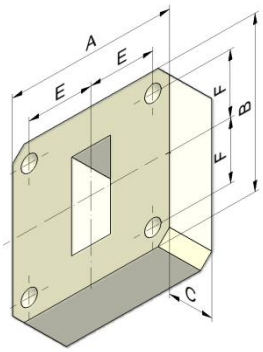
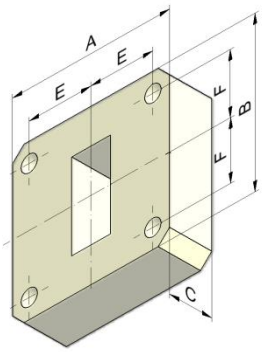
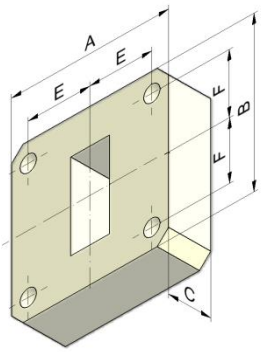
UK		**UK**					
sealing groove		**sealing groove**					
DEF-5352:1958		**DEF-5352:1958**					
RR/B830986		**RR/B611405**					
							
A	**48,46 (1.908)**	**A**	**48,46 (1.908)**				
B	**45,72 (1.800)**	**B**	**45,72 (1.800)**				
E		**E**					
F		**F**					
G		**G**					
H		**H**					
Hole I		**Hole I**					
Hole J		**Hole J**					
C		**C**					
Material	**Cu alloy**	**Material**	**Al alloy**				
NSN 5985-99-011-9660		**NSN 5985-99-012-0892**					

UK		**UK**					
choke/sealing groove		**choke/sealing groove**					
DEF-5352:1958		**DEF-5352:1958**					
RR/B830987		**RR/B611404**					
							
A	**48,46 (1.908)**	**A**	**48,46 (1.908)**				
B	**45,72 (1.800)**	**B**	**45,72 (1.800)**				
E		**E**					
F		**F**					
G		**G**					
H		**H**					
Hole I		**Hole I**					
Hole J		**Hole J**					
C		**C**					
Material	**Cu alloy**	**Material**	**Al alloy**				
NSN 5985-99-011-9661		**NSN 5985-99-012-0893**					

WR 90 R 100 WG 16

USA	USA	USA	USA
plain	plain	plain	plain
MIL-DTL-3922/53F	MIL-DTL-3922/53F	MIL-DTL-3922/53F	MIL-DTL-3922/53F
M3922/53-001	M3922/53-003	M3922/53-009	M3922/53-010
			
A 41,28 (1.625)	A 41,28 (1.625)	A 41,28 (1.625)	A 41,28 (1.625)
B 41,28 (1.625)	B 41,28 (1.625)	B 41,28 (1.625)	B 41,28 (1.625)
E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)
F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)
G	G	G	G
H	H	H	H
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)
Hole J	Hole J	Hole J	Hole J
C 4,06 (0.160)	C 4,06 (0.160)	C 6,35 (0.250)	C 6,35 (0.250)
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy
UG-39/U	UG-135/U		

inactive for new design	inactive for new design		
USA	USA	International	
plain	plain	plain	
MIL-DTL-3922/54E	MIL-DTL-3922/54E	IEC 60154-2:2016	
M3922/54-013	M3922/54-014	60154 IEC-UBR 100	
			
A 41,27 (1.625)	A 41,27 (1.625)	A 41,40 (1.630)	
B 41,27 (1.625)	B 41,27 (1.625)	B 41,40 (1.630)	
E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)	
F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)	
G	G	G	
H	H	H	
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,17 (Ø0.164)	
Hole J	Hole J	Hole J	
C 4,06 (0.160)	C 4,06 (0.160)	C 4,10 (0.160)	
Material Cu alloy	Material Al alloy	Material	
		F40464	

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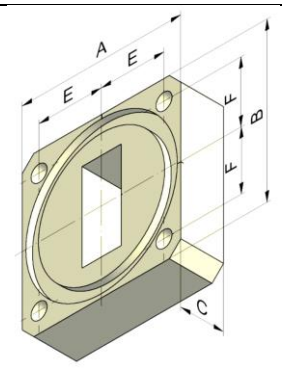
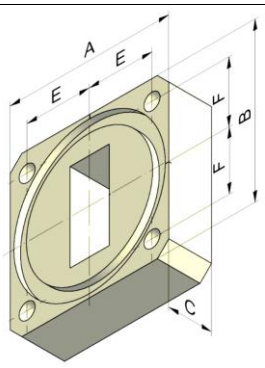
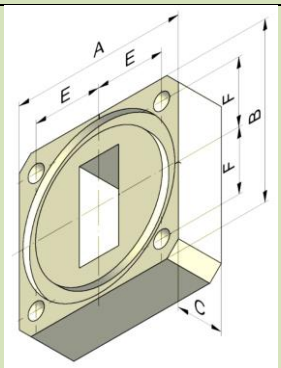
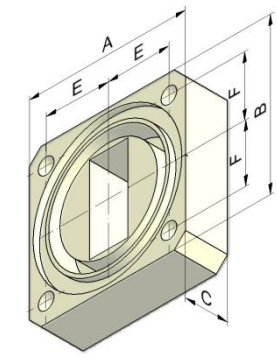
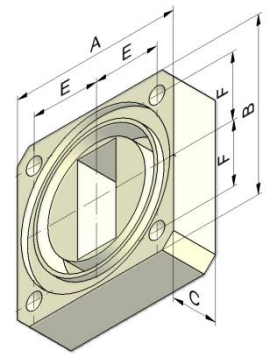
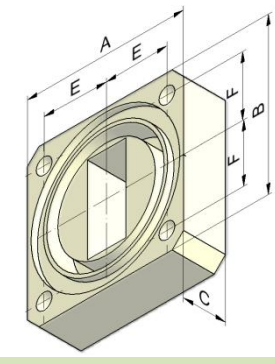
UK	UK	International	
sealing groove	sealing groove	sealing groove	
DEF-5352:1958	DEF-5352:1958	IEC 60154-2:2016	
TR/B610181	RR/B610894	60154 IEC-PBR 100	
			
A 41,28 (1.625)	A 41,28 (1.625)	A 41,40 (1.630)	
B 41,28 (1.625)	B 41,28 (1.625)	B 41,40 (1.630)	
E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)	
F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)	
G	G	G	
H	H	H	
Hole I	Hole I	Hole I Ø4,17 (Ø0.164)	
Hole J	Hole J	Hole J	
C	C	C 4,10 (0.160)	
Material Cu alloy	Material Al alloy	Material	
		F40490	
NSN 5985-99-083-0052	NSN 5985-99-083-0148		

USA	USA	International	
choke/sealing groove	choke/sealing groove	choke/sealing groove	
MIL-DTL-3922/59F	MIL-DTL-3922/59F	IEC 60154-2:2016	
M3922/59-013	M3922/59-014	60154 IEC-CBR 100	
			
A 41,28 (1.625)	A 41,28 (1.625)	A 41,40 (1.630)	
B 41,28 (1.625)	B 41,28 (1.625)	B 41,40 (1.630)	
E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)	
F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)	
G	G	G	
H	H	H	
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,17 (Ø0.164)	
Hole J	Hole J	Hole J	
C 6,35 (0.250)	C 6,35 (0.250)	C 4,10 (0.160)	
Material Cu alloy	Material Al alloy	Material	
		F41239	

Template TD-00001I

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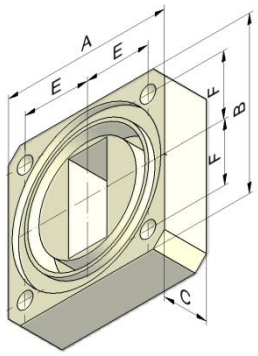
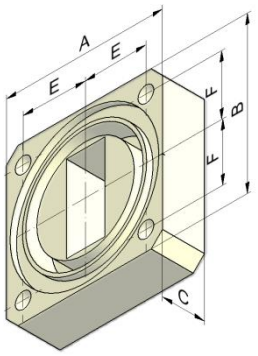
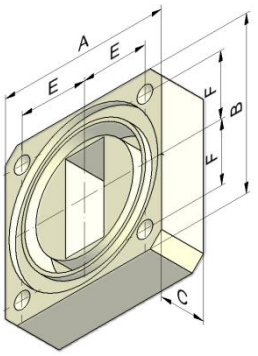
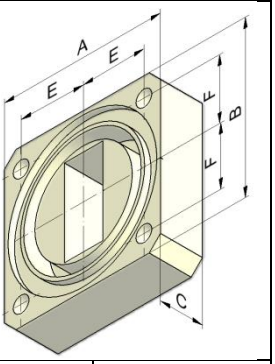
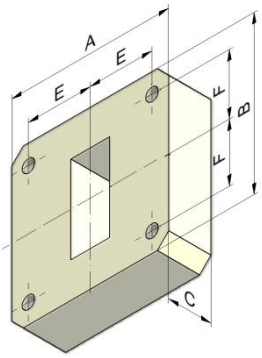
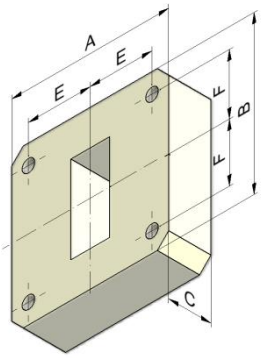
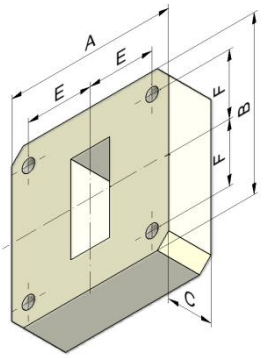
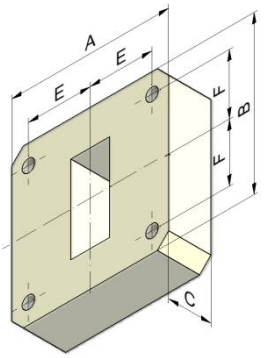
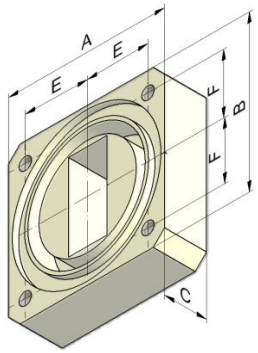
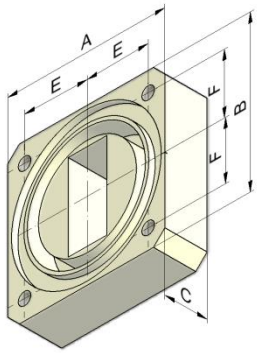
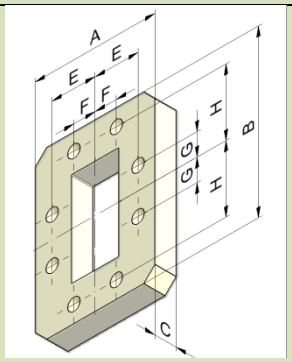
UK	UK	UK	UK
choke/sealing groove	choke/sealing groove	choke/sealing groove	choke/sealing groove
DEF-5352:1958	DEF-5352:1958	DEF-5352:1958	DEF-5352:1958
TR/B610180	RR/B611081	RR/B610737	RR/B610893
			
A 41,28 (1.625)	A 41,28 (1.625)	A 41,28 (1.625)	A 41,28 (1.625)
B 41,28 (1.625)	B 41,28 (1.625)	B 41,28 (1.625)	B 41,28 (1.625)
E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)
F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)
G	G	G	G
H	H	H	H
Hole I	Hole I	Hole I	Hole I
Hole J	Hole J	Hole J	Hole J
C	C	C	C
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy
NSN 5985-99-083-0051	NSN 5985-99-012-0891	NSN 5985-99-083-1611	NSN 5985-99-011-9114

		inactive for new design	inactive for new design
USA	USA	USA	USA
plain	plain	plain	plain
MIL-DTL-3922/53F	MIL-DTL-3922/53F	MIL-DTL-3922/54E	MIL-DTL-3922/54E
M3922/53-015	M3922/53-016	M3922/54-007	M3922/54-008
			
A 41,28 (1.625)	A 41,28 (1.625)	A 41,27 (1.625)	A 41,27 (1.625)
B 41,28 (1.625)	B 41,28 (1.625)	B 41,27 (1.625)	B 41,27 (1.625)
E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)	E 16,26 (0.640)
F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)	F 15,49 (0.610)
G	G	G	G
H	H	H	H
Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B
Hole J	Hole J	Hole J	Hole J
C 4,06 (0.160)	C 4,06 (0.160)	C 4,06 (0.160)	C 4,06 (0.160)
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy

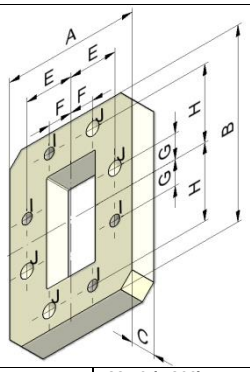
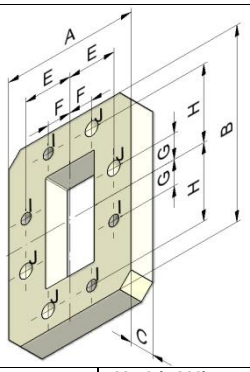
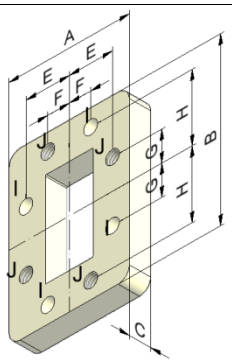
Template TD-00001I

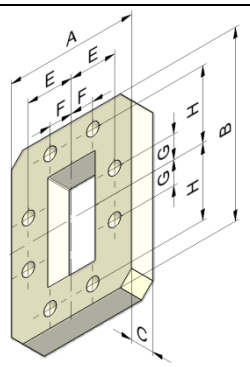
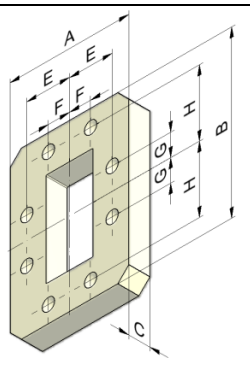
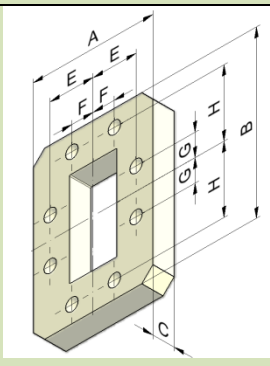
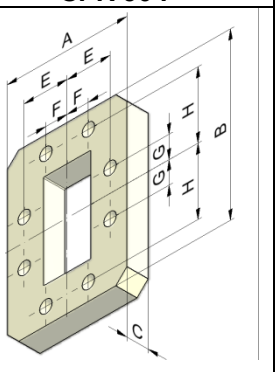
WR 90 R 100 WG 16

USA	USA
choke/sealing groove	choke/sealing groove
MIL-DTL-3922/59F	MIL-DTL-3922/59F
M3922/59-006	M3922/59-008
	
A 41,28 (1.625)	A 41,28 (1.625)
B 41,28 (1.625)	B 41,28 (1.625)
E 16,26 (0.640)	E 16,26 (0.640)
F 15,49 (0.610)	F 15,49 (0.610)
G	G
H	H
Hole I 0.164-32 UNC-2B	Hole I 0.164-32 UNC-2B
Hole J	Hole J
C 4,06 (0.160)	C 4,06 (0.160)
Material Cu alloy	Material Al alloy
UG-40B/U	UG-136B/U

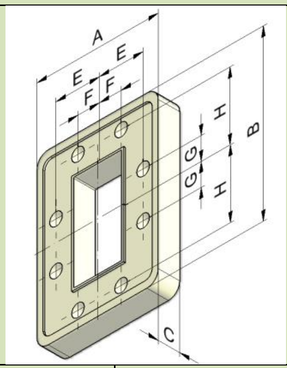
International
plain
IEC 60154-2:2016
60154 IEC-UER 100

A 32,20 (1.268)
B 44,90 (1.768)
E 11,56 (0.455)
F 5,72 (0.225)
G 5,97 (0.235)
H 17,91 (0.705)
Hole I Ø4,00 (Ø0.158)
Hole J
C 6,40 (0.252)
Material
F40503

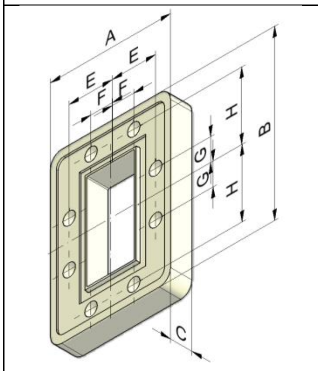
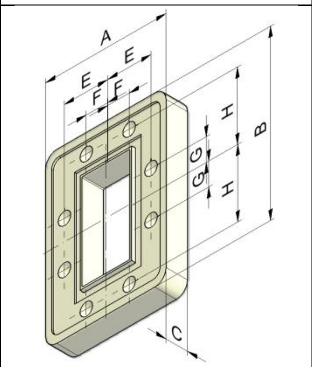
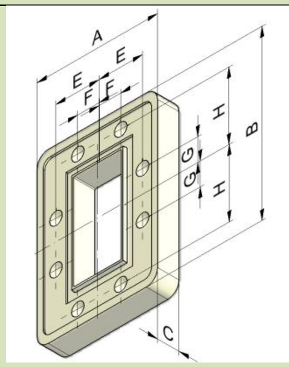
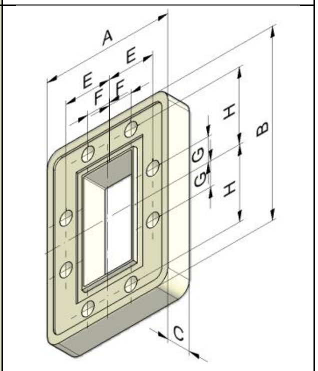
WR 90 | R 100 | WG 16

inactive for new design	inactive for new design		
USA	USA		USA
plain	plain		plain
MIL-F-3922/63B	MIL-F-3922/63B		EIA-166-A
M3922/63-004	M3922/63-008		CMR 90
			
A 32,16 (1.266)	A 32,16 (1.266)		A 32,16 (1.266)
B 44,86 (1.766)	B 44,86 (1.766)		B 44,86 (1.766)
E 11,56 (0.455)	E 11,56 (0.455)		E 11,56 (0.455)
F 5,72 (0.225)	F 5,72 (0.225)		F 5,72 (0.225)
G 5,97 (0.235)	G 5,97 (0.235)		G 5,97 (0.235)
H 17,91 (0.705)	H 17,91 (0.705)		H 17,91 (0.705)
Hole I 0.138-32 UNC-2B	Hole I 0.138-32 UNC-2B		Hole I Ø3,73 (Ø0.147)
Hole J Ø3,73 (Ø0.147)	Hole J Ø3,73 (Ø0.147)		Hole J 0.138-32 UNC-2B
C 5,72 (0.225)	C 5,72 (0.225)		C 5,72 (0.225)
Material Cu alloy	Material Al alloy		Material Cu, Al, Mg alloys
UG-1478/U	UG-1483/U		

USA	USA	International	USA
plain	plain	plain	plain
MIL-DTL-3922/52E	MIL-DTL-3922/52E	IEC 60154-2:2016	EIA-271-B
M3922/52-021	M3922/52-022	60154 IEC-UDR 100	CPR 90 F
			
A 40,39 (1.590)	A 40,39 (1.590)	A 40,50 (1.600)	A 40,48 (1.594)
B 53,09 (2.090)	B 53,09 (2.090)	B 53,20 (2.100)	B 53,18 (2.094)
E 14,68 (0.578)	E 14,68 (0.578)	E 14,68 (0.578)	E 14,68 (0.578)
F 7,95 (0.313)	F 7,95 (0.313)	F 7,94 (0.313)	F 7,94 (0.312)
G 7,92 (0.312)	G 7,92 (0.312)	G 7,94 (0.313)	G 7,94 (0.312)
H 21,03 (0.828)	H 21,03 (0.828)	H 21,03 (0.828)	H 21,03 (0.828)
Hole I Ø4,29 (Ø0.169)	Hole I Ø4,29 (Ø0.169)	Hole I Ø4,00 (Ø0.158)	Hole I Ø4,29 (Ø0.169)
Hole J	Hole J	Hole J	Hole J
C 6,35 (0.250)	C 6,35 (0.250)	C 7,50 (0.300)	C
Material Cu alloy	Material Al alloy	Material	Material Cu, Al, Mg alloys
		F40638	
UG-1736/U	UG-1737/U		

WR 90 R 100 WG 16

				International			
				plain			
				IEC 60154-2:1997			
				60154 IEC-RDR 100			
							
				A	40,50		
				B	53,20		
				E	14,68		
				F	7,94		
				G	7,94		
				H	21,03		
				Hole I	Ø4,00		
				Hole J			
				C	7,50		
				Material			

USA		USA		International		USA	
sealing groove		sealing groove		sealing groove		sealing groove	
MIL-DTL-3922/52E		MIL-DTL-3922/52E		IEC 60154-2:2016		EIA-271-B	
M3922/52-043		M3922/52-044		60154 IEC-PDR 100		CPR 90 G	
							
A	40,39 (1.590)	A	40,39 (1.590)	A	40,50 (1.600)	A	40,48 (1.594)
B	53,09 (2.090)	B	53,09 (2.090)	B	53,20 (2.100)	B	53,18 (2.094)
E	14,68 (0.578)	E	14,68 (0.578)	E	14,68 (0.578)	E	14,68 (0.578)
F	7,95 (0.313)	F	7,95 (0.313)	F	7,94 (0.313)	F	7,94 (0.312)
G	7,92 (0.312)	G	7,92 (0.312)	G	7,94 (0.313)	G	7,94 (0.312)
H	21,03 (0.828)	H	21,03 (0.828)	H	21,03 (0.828)	H	21,03 (0.828)
Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,29 (Ø0.169)	Hole I	Ø4,00 (Ø0.158)	Hole I	Ø4,29 (Ø0.169)
Hole J		Hole J		Hole J		Hole J	
C	6,35 (0.250)	C	6,35 (0.250)	C	7,50 (0.300)	C	
Material	Cu alloy	Material	Al alloy	Material		Material	Cu, Al, Mg alloys
				F40479		F40364	
UG-1360/U		UG-1361/U					

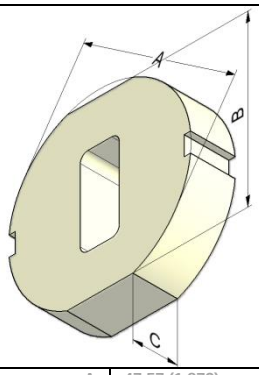
TD-00077

WR 90 R 100 WG 16

UK

plain

UCR 100



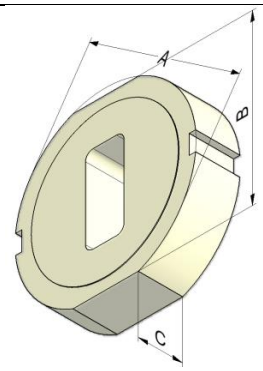
A	47,57 (1.873)
B	44,32 (1.745)
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	Cu alloy

UK

plain

DEF-5352:1958

600941WTB



A	**47,57 (1.873)**
B	**44,32 (1.745)**
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	**Cu alloy**

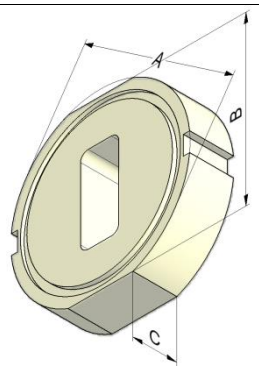
NSN 5985-99-083-0004

UK

sealing groove

DEF-5352:1958

RR/B610757



A	**47,57 (1.873)**
B	**44,32 (1.745)**
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	**Al alloy**

NSN 5985-99-083-0151

Template TD-00001I

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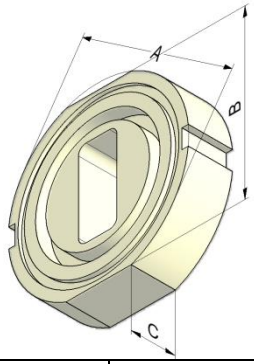
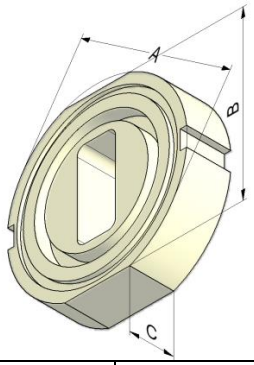
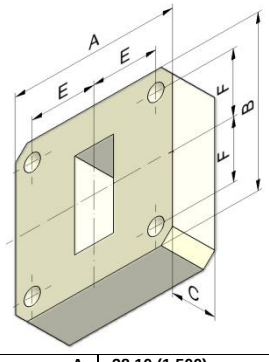
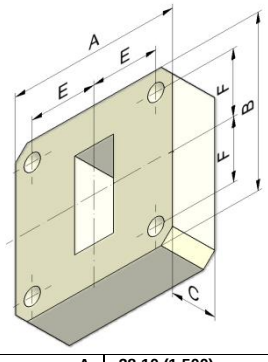
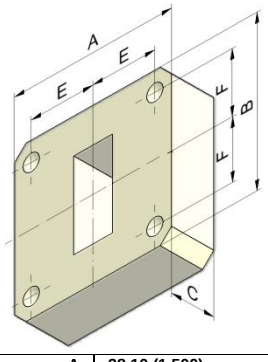
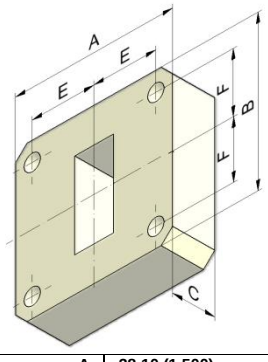
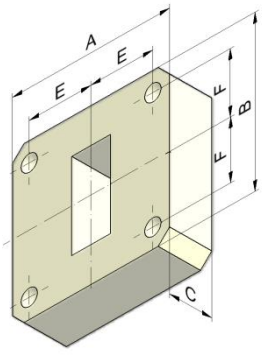
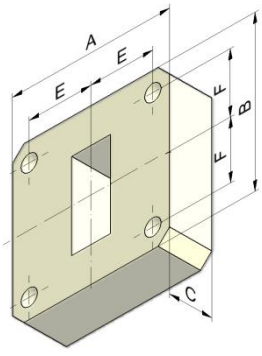
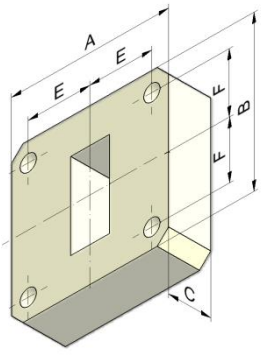
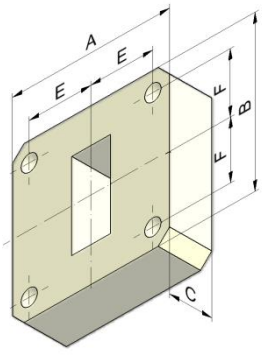
UK choke/sealing groove DEF-5352:1958 600940WTB		UK choke/sealing groove DEF-5352:1958 RR/B610756	
			
A	47,57 (1.873)	A	47,57 (1.873)
B	44,32 (1.745)	B	44,32 (1.745)
E		E	
F		F	
G		G	
H		H	
Hole I		Hole I	
Hole J		Hole J	
C		C	
Material	Cu alloy	Material	Al alloy
NSN 5985-99-083-0003		NSN 5985-99-083-0150	

TD-00077

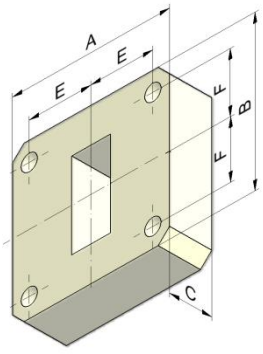
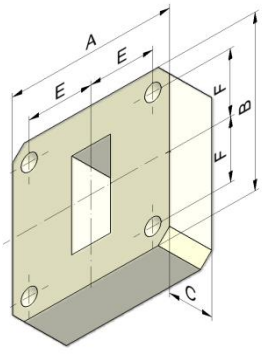
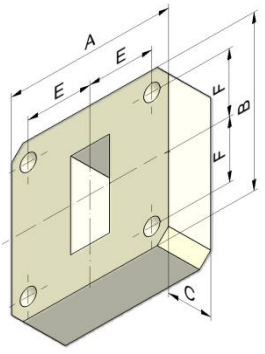
WR 75 R 120 WG 17

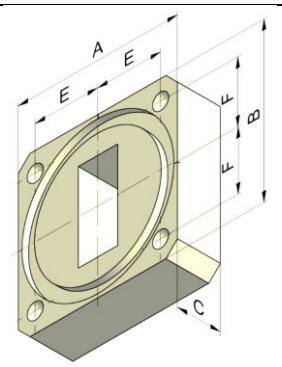
USA	USA	USA	USA
plain	plain	plain	plain
MIL-DTL-3922/53F	MIL-DTL-3922/53F	MIL-DTL-3922/53F	MIL-DTL-3922/53F
M3922/53-007	M3922/53-008	M3922/53-013	M3922/53-014
			
A 38,10 (1.500)	A 38,10 (1.500)	A 38,10 (1.500)	A 38,10 (1.500)
B 38,10 (1.500)	B 38,10 (1.500)	B 38,10 (1.500)	B 38,10 (1.500)
E 14,25 (0.561)	E 14,25 (0.561)	E 14,25 (0.561)	E 14,25 (0.561)
F 13,21 (0.520)	F 13,21 (0.520)	F 13,21 (0.520)	F 13,21 (0.520)
G	G	G	G
H	H	H	H
Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)
Hole J	Hole J	Hole J	Hole J
C 7,89 (0.203)	C 7,89 (0.203)	C 6,35 (0.250)	C 6,35 (0.250)
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy

USA	USA	USA	USA
plain	plain	plain	plain
MIL-DTL-3922/70C	MIL-DTL-3922/70C	MIL-DTL-3922/70C	MIL-DTL-3922/70C
M3922/70-004	M3922/70-005	M3922/70-016	M3922/70-017
			
A 38,10 (1.500)	A 38,10 (1.500)	A 38,10 (1.500)	A 38,10 (1.500)
B 38,10 (1.500)	B 38,10 (1.500)	B 38,10 (1.500)	B 38,10 (1.500)
E 14,25 (0.561)	E 14,25 (0.561)	E 14,25 (0.561)	E 14,25 (0.561)
F 13,21 (0.520)	F 13,21 (0.520)	F 13,21 (0.520)	F 13,21 (0.520)
G	G	G	G
H	H	H	H
Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)
Hole J	Hole J	Hole J	Hole J
C 4,78 (0.188)	C 4,78 (0.188)	C 6,35 (0.250)	C 6,35 (0.250)
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy

Template TD-00001I

WR 75 R 120 WG 17

USA		USA		International			
plain		plain		plain			
MIL-DTL-3922/70C		MIL-DTL-3922/70C		IEC 60154-2:1997			
M3922/70-025		M3922/70-026		60154 IEC-UBR 120			
							
A	38,10 (1.500)	A	38,10 (1.500)	A	38,10		
B	38,10 (1.500)	B	38,10 (1.500)	B	38,10		
E	14,25 (0.561)	E	14,25 (0.561)	E	14,25		
F	13,21 (0.520)	F	13,21 (0.520)	F	13,21		
G		G		G			
H		H		H			
Hole I	Ø3,70 (Ø0.145)	Hole I	Ø3,66 (Ø0.144)	Hole I	Ø4,00		
Hole J		Hole J		Hole J			
C	5,16 (0.203)	C	5,16 (0.203)	C	4,10		
Material	Cu alloy	Material	Al alloy	Material			
				F40500			

				International		UK	
				sealing groove		sealing groove	
				IEC 60154-2:1997			
				60154 IEC-PBR 120			
							
				A	38,10	A	38,10 (1.500)
				B	38,10	B	38,10 (1.500)
				E	14,25	E	14,25 (0.561)
				F	13,21	F	13,21 (0.520)
				G		G	
				H		H	
				Hole I	Ø4,00	Hole I	
				Hole J		Hole J	
				C	4,10	C	
				Material		Material	
				F40511			
						NSN 5985-99-014-1436	

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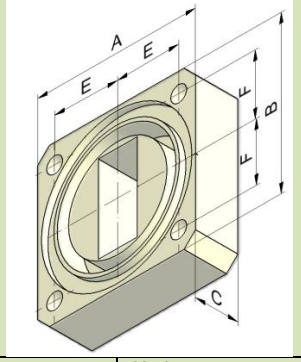
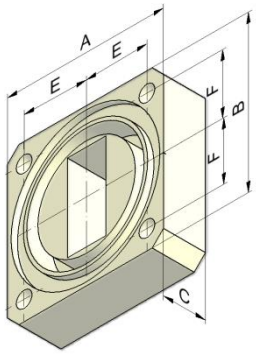
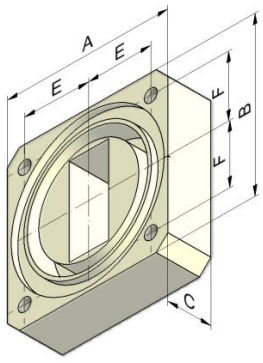
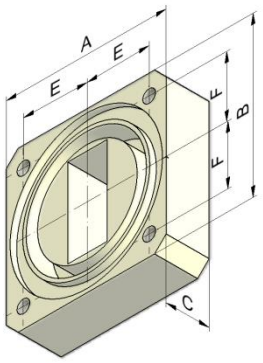
WR 75 R 120 WG 17

	International	UK
	choke/sealing groove	choke/sealing groove
	IEC 60154-2:1997	
	60154 IEC-CBR 120	
		
A	38,10	38,10 (1.500)
B	38,10	38,10 (1.500)
E	14,25	14,25 (0.561)
F	13,21	13,21 (0.520)
G		
H		
Hole I	Ø4,00	
Hole J		
C	4,10	
Material		
		NSN 5985-99-014-1437

USA	USA
choke/sealing groove	choke/sealing groove
MIL-DTL-3922/59F	MIL-DTL-3922/59F
M3922/59-010	M3922/59-011
	
A 38,10 (1.500)	A 38,10 (1.500)
B 38,10 (1.500)	B 38,10 (1.500)
E 14,25 (0.561)	E 14,25 (0.561)
F 13,21 (0.520)	F 13,21 (0.520)
G	G
H	H
Hole I 0.138-32 UNC-2B	Hole I 0.138-32 UNC-2B
Hole J	Hole J
C 5,16 (0.203)	C 5,16 (0.203)
Material Cu alloy	Material Al alloy

Template TD-00001I

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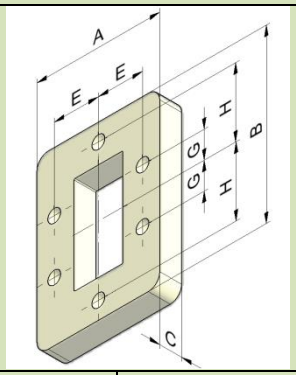
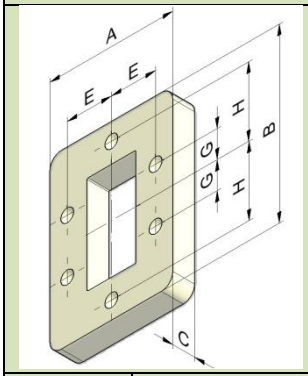
International
plain
IEC 60154-2:1997
60154 IEC-UER 120



A	31,00
B	41,00
E	11,00
F	
G	8,00
H	16,00
Hole I	Ø 3,00
Hole J	
C	4,00
Material	

F40741

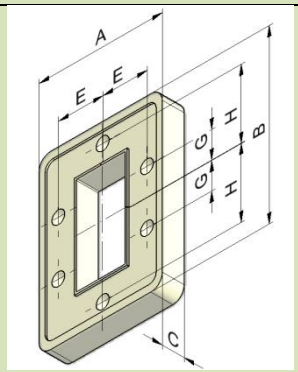
International
plain
IEC 60154-2:2016
60154 IEC-UDR 120



A	39,50 (1.555)
B	49,00 (1.929)
E	14,29 (0.563)
F	
G	7,94 (0.313)
H	19,05 (0.750)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	7,50 (0.295)
Material	

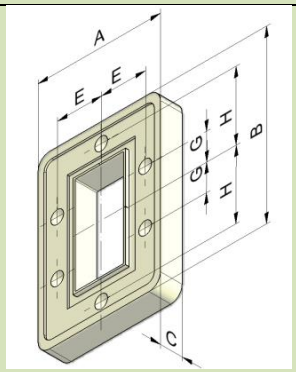
F40341-1

International
plain
IEC 60154-2:1997
60154 IEC-RDR 120



A	39,50
B	49,00
E	14,29
F	
G	7,94
H	19,05
Hole I	Ø4,00
Hole J	
C	7,50
Material	

International
sealing groove
IEC 60154-2:2016
60154 IEC-PDR 120



A	39,50 (1.555)
B	49,00 (1.929)
E	14,29 (0.563)
F	
G	7,94 (0.313)
H	19,05 (0.750)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	7,50 (0.295)
Material	

F40341

Template TD-00001I

TD-00077

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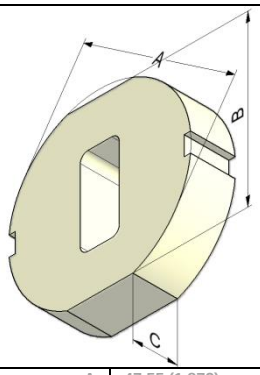
UK

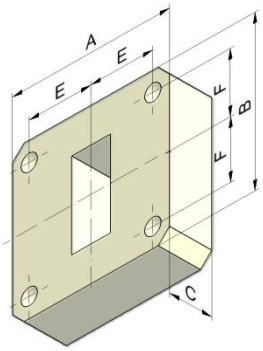
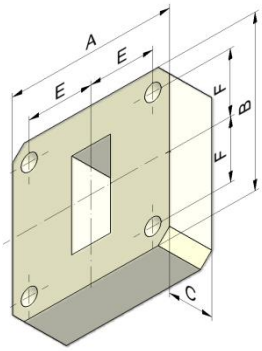
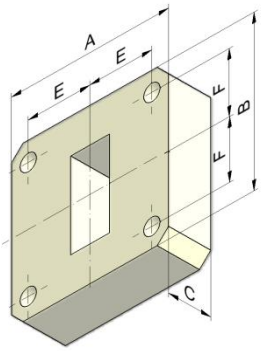
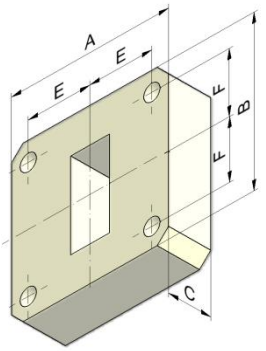
plain

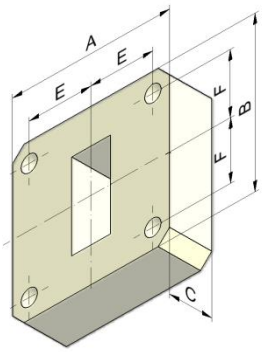
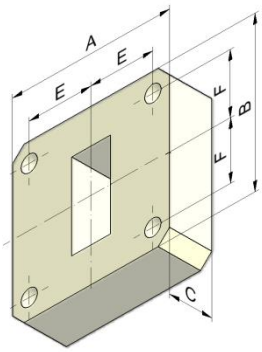
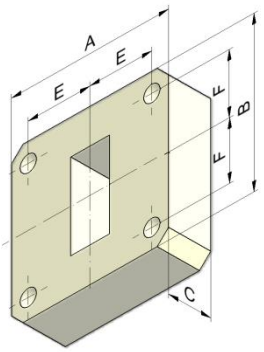
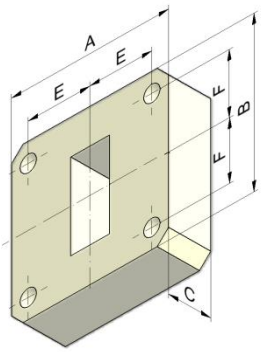
UCR 120



A	47,55 (1.872)
B	44,34 (1.747)
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	

WR 62 R 140 WG 18

USA		**USA**		**USA**		**USA**	
plain		**plain**		**plain**		**plain**	
MIL-DTL-3922/53F		**MIL-DTL-3922/53F**		**MIL-DTL-3922/53F**		**MIL-DTL-3922/53F**	
M3922/53-005		**M3922/53-006**		**M3922/53-011**		**M3922/53-012**	
							
A	33,35 (1.313)	A	33,35 (1.313)	A	33,35 (1.313)	A	33,35 (1.313)
B	33,35 (1.313)	B	33,35 (1.313)	B	33,35 (1.313)	B	33,35 (1.313)
E	12,14 (0.478)	E	12,14 (0.478)	E	12,14 (0.478)	E	12,14 (0.478)
F	12,62 (0.497)	F	12,62 (0.497)	F	12,62 (0.497)	F	12,62 (0.497)
G		G		G		G	
H		H		H		H	
Hole I	Ø3,66 (Ø0.144)	Hole I	Ø3,66 (Ø0.144)	Hole I	Ø3,66 (Ø0.144)	Hole I	Ø3,66 (Ø0.144)
Hole J		Hole J		Hole J		Hole J	
C	3,18 (0.125)	C	3,18 (0.125)	C	3,18 (0.125)	C	3,18 (0.125)
Material	Cu alloy	Material	Al alloy	Material	Cu alloy	Material	Al alloy
UG-419/U		**UG-1665/U**					

inactive for new design		**inactive for new design**					
USA		**USA**		**USA**		**USA**	
plain		**plain**		**plain**		**plain**	
MIL-DTL-3922/54E		**MIL-DTL-3922/54E**		**MIL-DTL-3922/70C**		**MIL-DTL-3922/70C**	
M3922/54-015		**M3922/54-016**		**M3922/70-007**		**M3922/70-008**	
							
A	33,32 (1.312)	A	33,32 (1.312)	A	33,32 (1.312)	A	33,32 (1.312)
B	33,32 (1.312)	B	33,32 (1.312)	B	33,32 (1.312)	B	33,32 (1.312)
E	12,14 (0.478)	E	12,14 (0.478)	E	12,14 (0.478)	E	12,14 (0.478)
F	12,62 (0.497)	F	12,62 (0.497)	F	12,62 (0.497)	F	12,62 (0.497)
G		G		G		G	
H		H		H		H	
Hole I	Ø3,66 (Ø0.144)	Hole I	Ø3,66 (Ø0.144)	Hole I	Ø3,66 (Ø0.144)	Hole I	Ø3,66 (Ø0.144)
Hole J		Hole J		Hole J		Hole J	
C	6,35 (0.250)	C	6,35 (0.250))	C	4,78 (0.188)	C	4,78 (0.188)
Material	Cu alloy	Material	Al alloy	Material	Cu alloy	Material	Al alloy

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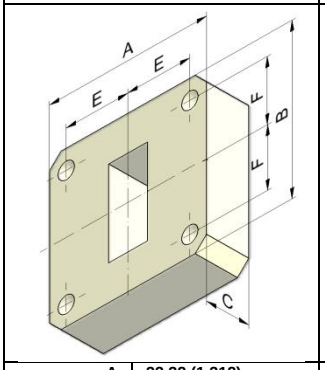
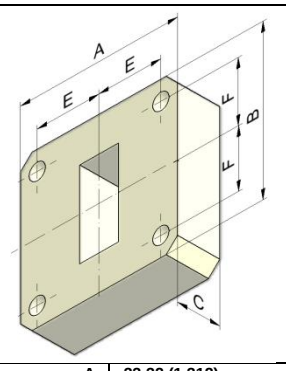
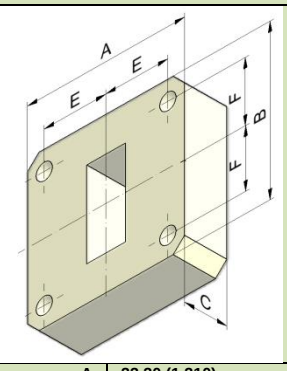
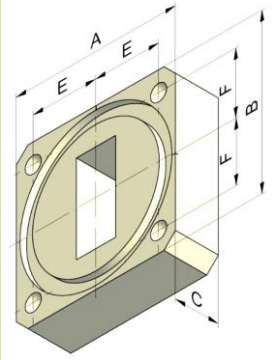
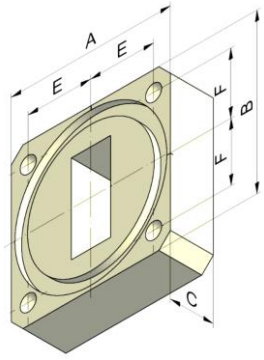
USA	USA	International	
plain	plain	plain	
MIL-DTL-3922/70C	MIL-DTL-3922/70C	IEC 60154-2:2016	
M3922/70-019	M3922/70-020	60154 IEC-UBR 140	
			
A 33,32 (1.312)	A 33,32 (1.312)	A 33,30 (1.310)	
B 33,32 (1.312)	B 33,32 (1.312)	B 33,30 (1.310)	
E 12,14 (0.478)	E 12,14 (0.478)	E 12,14 (0.478)	
F 12,62 (0.497)	F 12,62 (0.497)	F 12,62 (0.497)	
G	G	G	
H	H	H	
Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø4,00 (Ø0.185)	
Hole J	Hole J	Hole J	
C 4,75 (0.187)	C 4,75 (0.187)	C 4,80 (0.190)	
Material Cu alloy	Material Al alloy	Material	
		F40475	

		International	UK
		sealing groove	sealing groove
		IEC 60154-2:2016	DEF-5352:1958
		60154 IEC-PBR 140	TR/B610108
			
		A 33,30 (1.310)	A 33,34 (1.313)
		B 33,30 (1.310)	B 33,34 (1.313)
		E 12,14 (0.478)	E 12,14 (0.478)
		F 12,62 (0.497)	F 12,62 (0.497)
		G	G
		H	H
		Hole I Ø4,00 (Ø0.185)	Hole I
		Hole J	Hole J
		C 4,80 (0.190)	C
		Material	Material Cu alloy
		F40491	
			NSN 5985-99-083-0030

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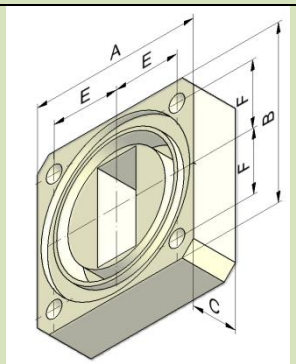
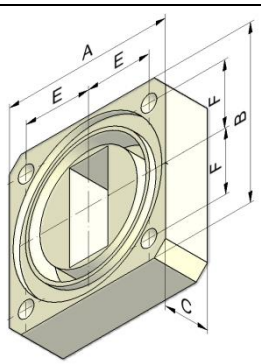
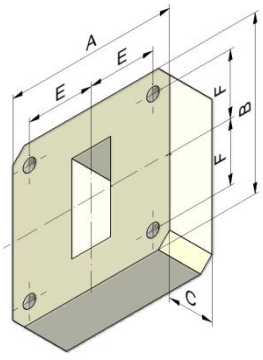
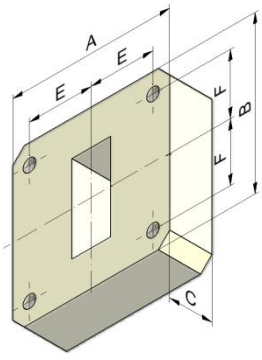
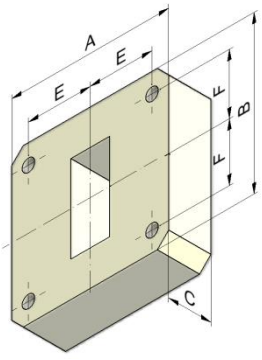
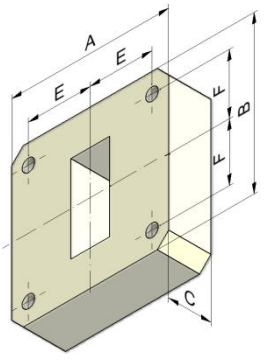
					International		UK
					choke/sealing groove		choke/sealing groove
					IEC 60154-2:2016		DEF-5352:1958
					60154 IEC-CBR 140		TR/B610107
							
				A	33,30 (1.310)	A	33,34 (1.313)
				B	33,30 (1.310)	B	33,34 (1.313)
				E	12,14 (0.478)	E	12,14 (0.478)
				F	12,62 (0.497)	F	12,62 (0.497)
				G		G	
				H		H	
				Hole I	Ø4,00 (Ø0.185)	Hole I	
				Hole J		Hole J	
				C	4,80 (0.190)	C	
				Material		Material	Cu alloy
					F41169		
							NSN 5985-99-083-0029

					inactive for new design		inactive for new design
USA		USA		USA		USA	
plain		plain		plain		plain	
MIL-DTL-3922/53F		MIL-DTL-3922/53F		MIL-DTL-3922/54E		MIL-DTL-3922/54E	
M3922/53-017		M3922/53-018		M3922/54-009		M3922/54-010	
							
A	33,35 (1.313)	A	33,35 (1.313)	A	33,32 (1.312)	A	33,32 (1.312)
B	33,35 (1.313)	B	33,35 (1.313)	B	33,32 (1.312)	B	33,32 (1.312)
E	12,14 (0.478)	E	12,14 (0.478)	E	12,14 (0.478)	E	12,14 (0.478)
F	12,62 (0.497)	F	12,62 (0.497)	F	12,62 (0.497)	F	12,62 (0.497)
G		G		G		G	
H		H		H		H	
Hole I	0.138-32 UNC-2B	Hole I	0.138-32 UNC-2B	Hole I	0.138-32 UNC-2B	Hole I	0.138-32 UNC-2B
Hole J		Hole J		Hole J		Hole J	
C	3,18 (0.125)	C	3,18 (0.125)	C	6,35 (0.250)	C	6,35 (0.250)
Material	Cu alloy	Material	Al alloy	Material	Cu alloy	Material	Al alloy

Template TD-00001I

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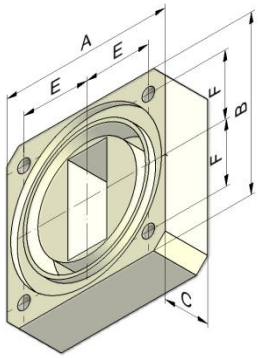
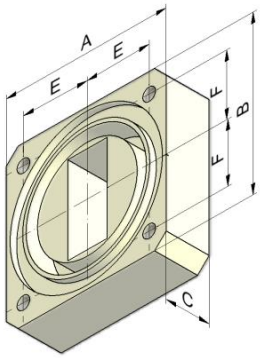
USA		**USA**					
choke/sealing groove		**choke/sealing groove**					
MIL-DTL-3922/59F		**MIL-DTL-3922/59F**					
M3922/59-001		**M3922/59-002**					
							
A	**33,32 (1.312)**	**A**	**33,32 (1.312)**				
B	**33,32 (1.312)**	**B**	**33,32 (1.312)**				
E	**12,14 (0.478)**	**E**	**12,14 (0.478)**				
F	**12,62 (0.497)**	**F**	**12,62 (0.497)**				
G		**G**					
H		**H**					
Hole I	**0.138-32 UNC-2B**	**Hole I**	**0.138-32 UNC-2B**				
Hole J		**Hole J**					
C	**4,78 (0.188)**	**C**	**4,78 (0.188)**				
Material	**Cu alloy**	**Material**	**Al alloy**				
UG-541A/U		**UG-1666/U**					

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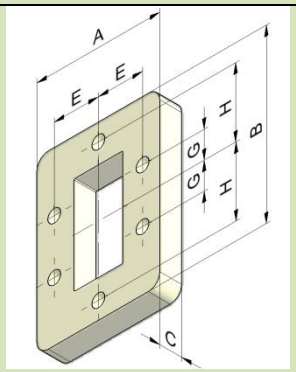
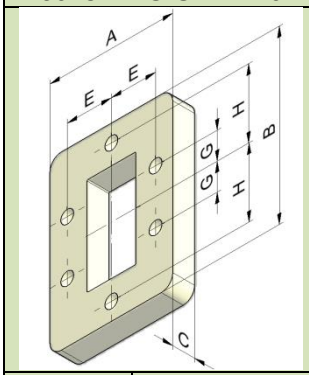
International
plain
IEC 60154-2:1997
60154 IEC-UER 140



A	29,00
B	37,00
E	10,00
F	
G	6,00
H	14,00
Hole I	Ø3,00
Hole J	
C	4,00
Material	

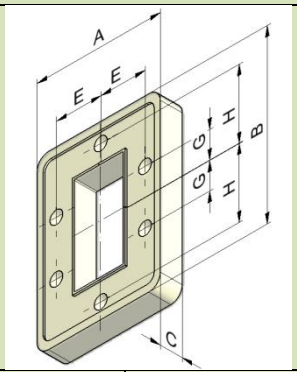
International
plain
IEC 60154-2:2016
60154 IEC-UDR 140



A	36,50 (1.437)
B	44,50 (1.752)
E	12,70 (0.500)
F	
G	5,97 (0.235)
H	16,67 (0.656)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	7,50 (0.295)
Material	

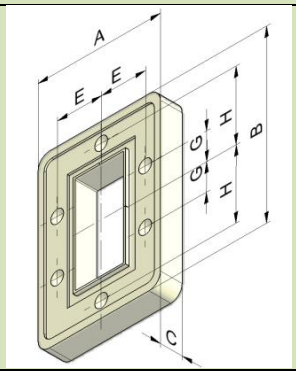
F40712

International
plain
IEC 60154-2:1997
60154 IEC-RDR 140



A	36,50
B	44,50
E	12,70
F	
G	5,97
H	16,67
Hole I	Ø4,00
Hole J	
C	7,50
Material	

International
sealing groove
IEC 60154-2:2016
60154 IEC-PDR 140



A	36,5 (1.437)
B	44,5 (1.752)
E	12,7 (0.500)
F	
G	5,97 (0.235)
H	16,67 (0.656)
Hole I	Ø4,00 (Ø0.158)
Hole J	
C	7,50 (0.295)
Material	

F40483

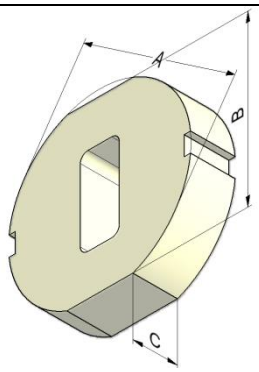
Template TD-00001I

TD-00077

WR 62 R 140 WG 18

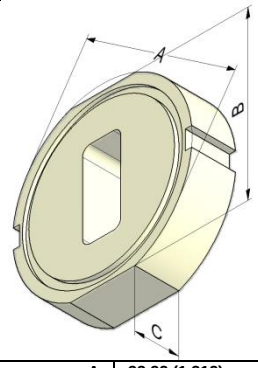
UK
plain

UCR 140



A	33,32 (1.312)
B	30,99 (1.220)
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	

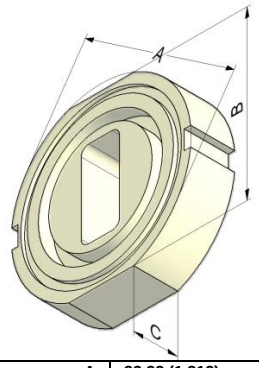
UK
sealing groove
DEF-5352:1958
RR/B611047



A	**33,32 (1.312)**
B	**30,99 (1.220)**
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	**Cu alloy**

NSN 5985-99-011-9662

UK
choke/sealing groove
DEF-5352:1958
RR/B611046

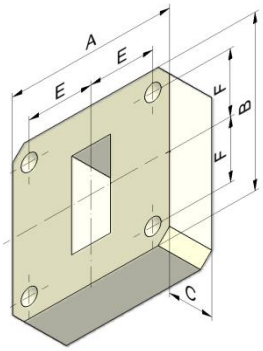
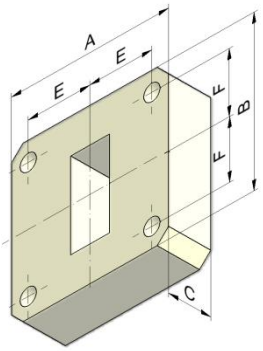
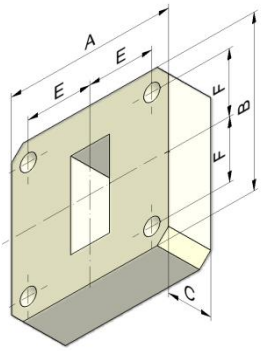
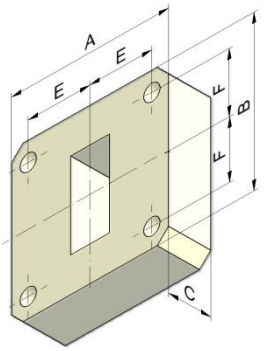


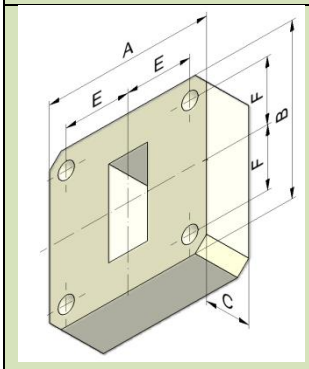
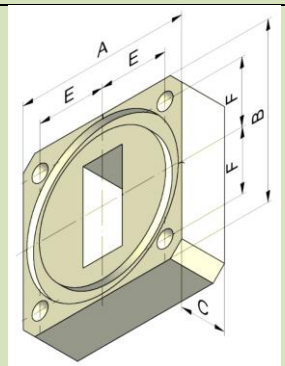
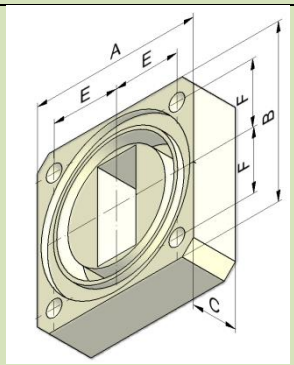
A	**33,32 (1.312)**
B	**30,99 (1.220)**
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	**Cu alloy**

NSN 5985-99-011-9663

Template TD-00001I

WR 51 R 180 WG 19

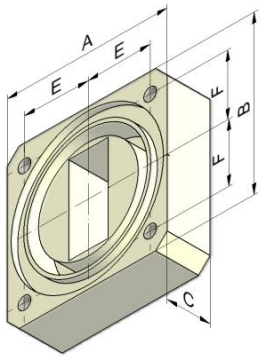
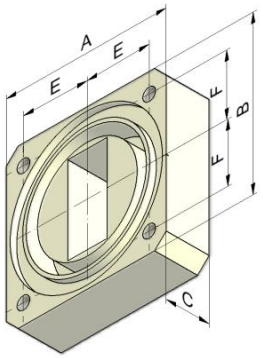
USA	USA	USA	USA
plain	plain	plain	plain
MIL-DTL-3922/70C	MIL-DTL-3922/70C	MIL-DTL-3922/70C	MIL-DTL-3922/70C
M3922/70-010	M3922/70-011	M3922/70-022	M3922/70-023
			
A 33,32 (1.312)	A 33,32 (1.312)	A 33,32 (1.312)	A 33,32 (1.312)
B 33,32 (1.312)	B 33,32 (1.312)	B 33,32 (1.312)	B 33,32 (1.312)
E 12,62 (0.497)	E 12,62 (0.497)	E 12,62 (0.497)	E 12,62 (0.497)
F 12,14 (0.478)	F 12,14 (0.478)	F 12,14 (0.478)	F 12,14 (0.478)
G	G	G	G
H	H	H	H
Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)	Hole I Ø3,66 (Ø0.144)
Hole J	Hole J	Hole J	Hole J
C 6,35 (0.250)	C 6,35 (0.250)	C 4,75 (0.187)	C 4,75 (0.187)
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy

International	International	International	
plain	sealing groove	choke/sealing groove	
IEC 60154-2:1997	IEC 60154-2:1997	IEC 60154-2:1997	
60154 IEC-UBR 180	60154 IEC-PBR 180	60154 IEC-CBR 180	
			
A 30,10	A 30,10	A 30,10	
B 30,10	B 30,10	B 30,10	
E 11,25	E 11,25	E 11,25	
F 10,285	F 10,285	F 10,285	
G	G	G	
H	H	H	
Hole I Ø4,00	Hole I Ø4,00	Hole I Ø4,00	
Hole J	Hole J	Hole J	
C 4,10	C 4,10	C 4,10	
Material	Material	Material	
F40842	F41236		

Template TD-00001I

TD-00077

WR 51 R 180 WG 19

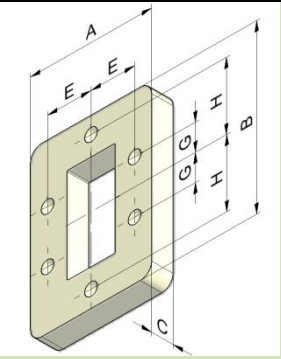
canceled w/o replacement	canceled w/o replacement		
USA	USA		
choke/sealing groove	choke/sealing groove		
MIL-F-3922/69	MIL-F-3922/69		
M3922/69-004	M3922/69-005 & 006		
			

A	33,32 (1.312)	A	33,32 (1.312)				
B	33,32 (1.312)	B	33,32 (1.312)				
E	12,62 (0.497)	E	12,62 (0.497)				
F	12,14 (0.478)	F	12,14 (0.478)				
G		G					
H		H					
Hole I	0.138-32 UNC-2B	Hole I	0.138-32 UNC-2B				
Hole J		Hole J					
C	4,75 (0.187)	C	4,75 (0.187)				
Material	Cu alloy	Material	Al alloy 6061 & 6063				

TD-00077

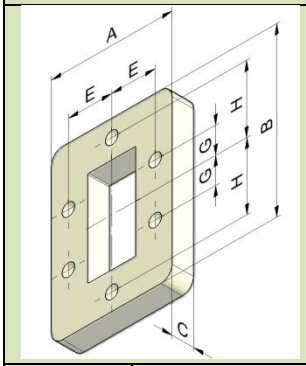
WR 51 R 180 WG 19

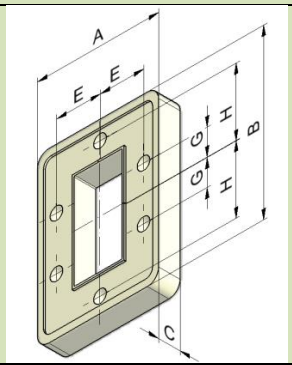
	International
	plain
	IEC 60154-2:1997
	60154 IEC-UER 180

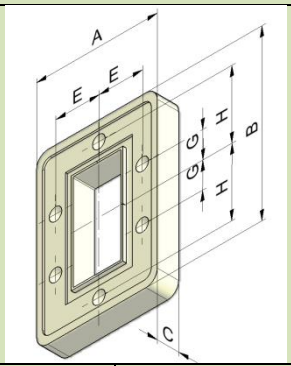


A	27,50
B	34,00
E	9,25
F	
G	6,00
H	12,50
Hole I	Ø 3,00
Hole J	
C	4,00
Material	

International	International	International
plain	plain	sealing groove
IEC 60154-2:2016	IEC 60154-2:1997	IEC 60154-2:2016
60154 IEC-UDR 180	60154 IEC-RDR 180	60154 IEC-PDR 180







A	35,50 (1.398)	A	35,50	A	35,50 (1.398)
B	42,00 (1.654)	B	42,00	B	42,00 (1.654)
E	12,70 (0.500)	E	12,70	E	12,70 (0.500)
F		F		F	
G	5,97 (0.235)	G	5,97	G	5,97 (0.235)
H	15,87 (0.625)	H	15,87	H	15,87 (0.625)
Hole I	Ø4,00 (Ø0.158)	Hole I	Ø4,00	Hole I	Ø4,00 (Ø0.158)
Hole J		Hole J		Hole J	
C	7,50 (0.295)	C	7,50	C	7,50 (0.295)
Material		Material		Material	
F40785				F40820	

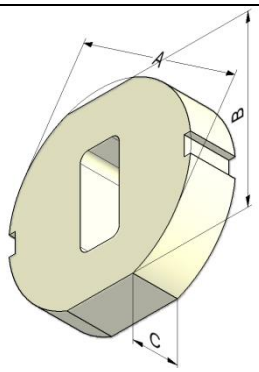
Template TD-00001I

TD-00077

WR 51 R 180 WG 19

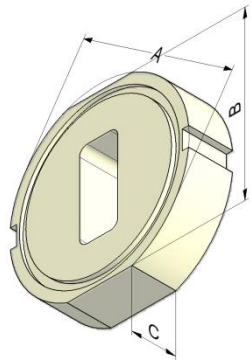
UK
plain

UCR 180



A	28,56 (1.125)
B	25,40 (1.000)
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	

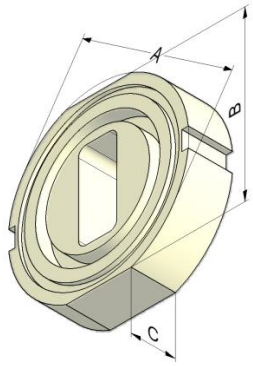
UK
sealing groove
DEF-5352:1958
RR/B611246



A	**28,56 (1.125)**
B	**25,40 (1.000)**
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	**Cu alloy**

NSN 5985-99-011-9664

UK
choke/sealing groove
DEF-5352:1958
RR/B611245

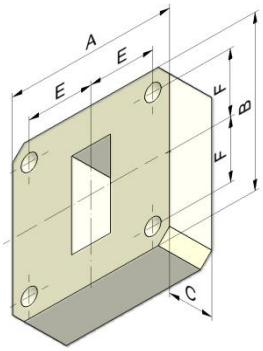
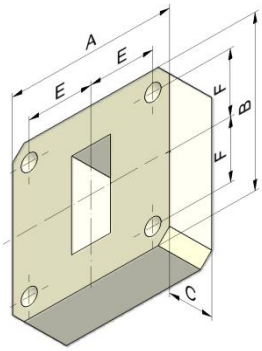
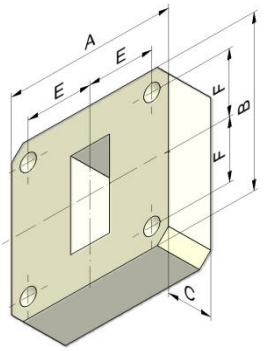
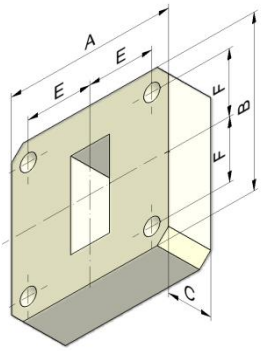


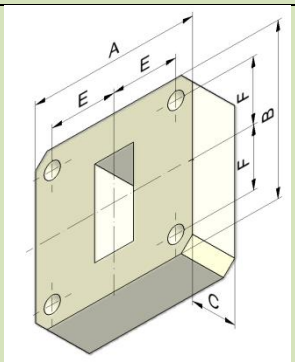
A	**28,56 (1.125)**
B	**25,40 (1.000)**
E	
F	
G	
H	
Hole I	
Hole J	
C	
Material	**Cu alloy**

NSN 5985-99-011-9665

Template TD-00001I

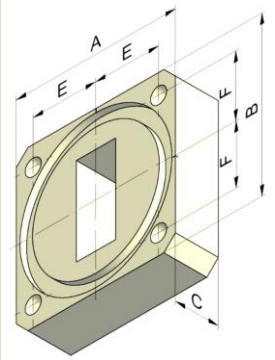
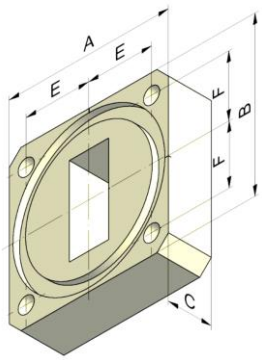
WR 42 R 220 WG 20

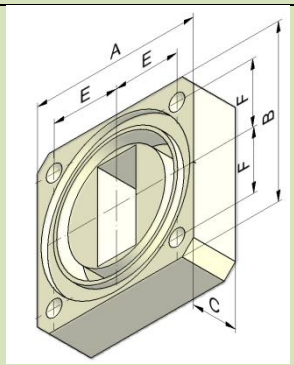
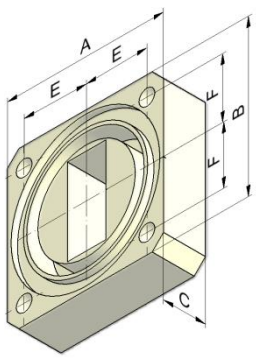
inactive for new design	inactive for new design		
USA	USA	USA	USA
plain	plain	plain	plain
MIL-DTL-3922/54E	MIL-DTL-3922/54E	MIL-DTL-3922/70C	MIL-DTL-3922/70C
M3922/54-001	M3922/54-002	M3922/70-027	M3922/70-028
			
A 22,22 (0.875)	A 22,22 (0.875)	A 22,22 (0.875)	A 22,22 (0.875)
B 22,22 (0.875)	B 22,22 (0.875)	B 22,22 (0.875)	B 22,22 (0.875)
E 8,51 (0.335)	E 8,51 (0.335)	E 8,51 (0.335)	E 8,51 (0.335)
F 8,13 (0.320)	F 8,13 (0.320)	F 8,13 (0.320)	F 8,13 (0.320)
G	G	G	G
H	H	H	H
Hole I Ø2,95 (Ø0.116)	Hole I Ø2,95 (Ø0.116)	Hole I Ø2,95 (Ø0.116)	Hole I Ø2,95 (Ø0.116)
Hole J	Hole J	Hole J	Hole J
C 4,78 (0.188)	C 4,78 (0.188)	C 3,96 (0.156)	C 3,96 (0.156)
Material Cu alloy	Material Al alloy	Material Cu alloy	Material Al alloy
UG-595/U	UG-597/U		

				International			
				plain			
				IEC 60154-2:2016			
				60154 IEC-UBR 220			
							
				A	22,40 (0.880)		
				B	22,40 (0.880)		
				E	8,51 (0.335)		
				F	8,13 (0.320)		
				G			
				H			
				Hole I	Ø3,00 (Ø0.118)		
				Hole J			
				C	4,10 (0.160)		
				Material			
				F40487, F41726			

Template TD-00001I

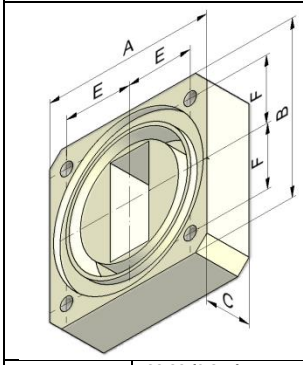
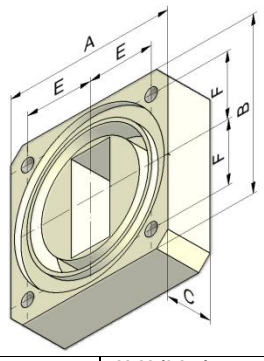
WR 42 R 220 WG 20

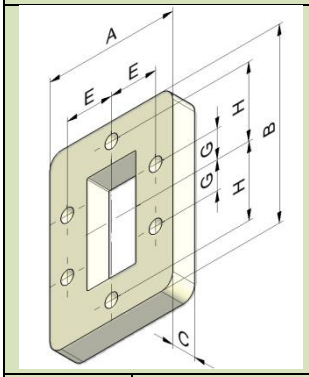
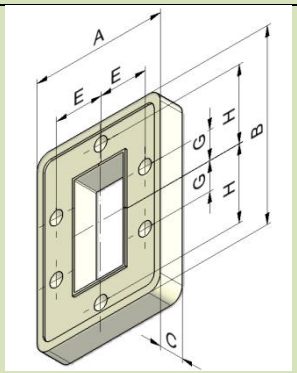
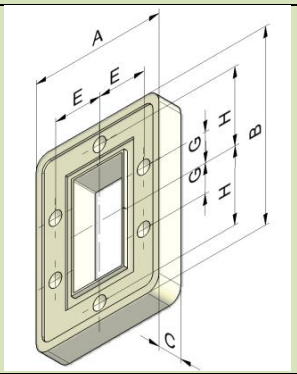
	International	UK
	sealing groove	sealing groove
	IEC 60154-2:2016	DEF-5352:1958
	60154 IEC-PBR 220	RR/B611442
		
A	22,40 (0.880)	A 22,23 (0.875)
B	22,40 (0.880)	B 22,23 (0.875)
E	8,51 (0.335)	E 8,51 (0.335)
F	8,13 (0.320)	F 8,13 (0.320)
G		G
H		H
Hole I	Ø3,00 (Ø0.118)	Hole I
Hole J		Hole J
C	4,10 (0.160)	C
Material		Material Cu alloy
	F40492, F41772	
		NSN 5985-99-011-9658

	International	UK
	choke/sealing groove	choke/sealing groove
	IEC 60154-2:2016	DEF-5352:1958
	60154 IEC-CBR 220	RR/B611441
		
A	22,40 (0.880)	A 22,23 (0.875)
B	22,40 (0.880)	B 22,23 (0.875)
E	8,51 (0.335)	E 8,51 (0.335)
F	8,13 (0.320)	F 8,13 (0.320)
G		G
H		H
Hole I	Ø3,00 (Ø0.118)	Hole I
Hole J		Hole J
C	4,10 (0.160)	C
Material		Material Cu alloy
	F41241	
		NSN 5985-99-011-9659

Template TD-00001I

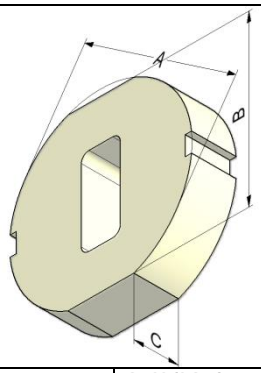
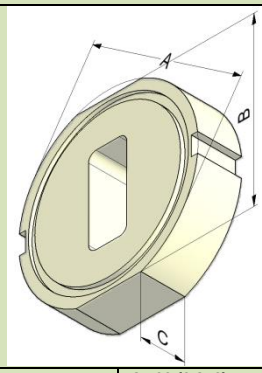
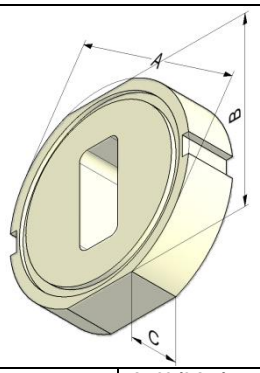
WR 42 R 220 WG 20

USA	USA		
choke/sealing groove	choke/sealing groove		
MIL-DTL-3922/59F	MIL-DTL-3922/59F		
M3922/59-003	M3922/59-004		
			
A 22,23 (0.875)	A 22,23 (0.875)		
B 22,23 (0.875)	B 22,23 (0.875)		
E 8,51 (0.335)	E 8,51 (0.335)		
F 8,13 (0.320)	F 8,13 (0.320)		
G	G		
H	H		
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B		
Hole J	Hole J		
C 3,96 (0.156)	C 3,96 (0.156)		
Material Cu alloy	Material Al alloy		
UG-596A/U	UG-598A/U		

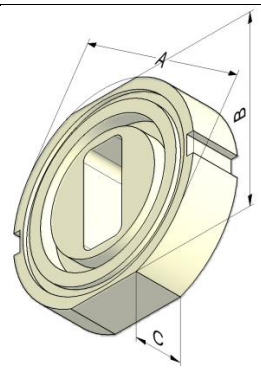
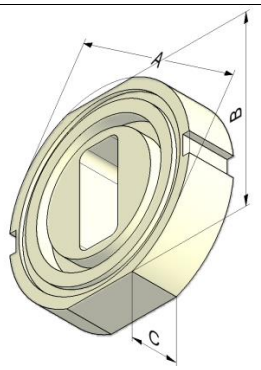
International	International	International
plain	plain	sealing groove
IEC 60154-2:1997	IEC 60154-2:1997	IEC 60154-2:1997
60154 IEC-UDR 220	60154 IEC-RDR 220	60154 IEC-PDR 220
		
A 32,00	A 32,00	A 32,00
B 38,00	B 38,00	B 38,00
E 10,00	E 10,00	E 10,00
F	F	F
G 5,10	G 5,10	G 5,10
H 14,00	H 14,00	H 14,00
Hole I Ø3,00	Hole I Ø3,00	Hole I Ø3,00
Hole J	Hole J	Hole J
C 6,50	C 6,50	C 6,50
Material	Material	Material
F41159		F41156

Template TD-00001I

WR 42 R 220 WG 20

UK		International	UK
plain		sealing groove	sealing groove
		IEC 60154-2:2016	DEF-5352:1958
UCR 220		60154 IEC-PCR 220	RR/B611482
			

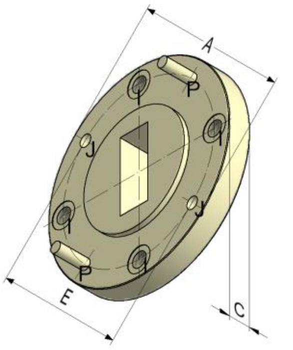
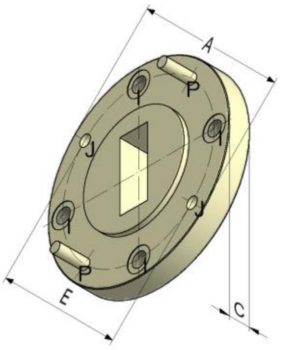
A	21,60 (0.851)			A	21,60 (0.850)	A	21,60 (0.851)
B	19,30 (0.760)			B	19,30 (0.760)	B	19,30 (0.760)
E				E		E	
F				F		F	
G				G		G	
H				H		H	
Hole I				Hole I		Hole I	
Hole J				Hole J		Hole J	
C				C	4,83 (0.190)	C	
Material				Material		Material	Cu alloy
						NSN 5985-99-011-9666	

UK	UK				
choke/sealing groove	choke/sealing groove				
	DEF-5352:1958				
CCR 220	RR/B611481				
					

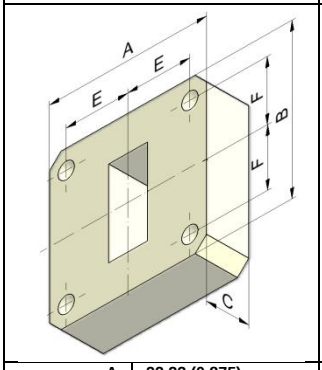
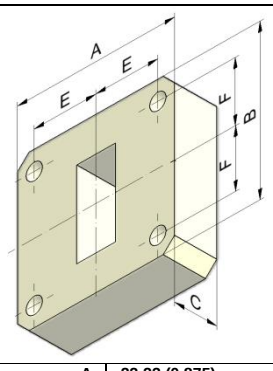
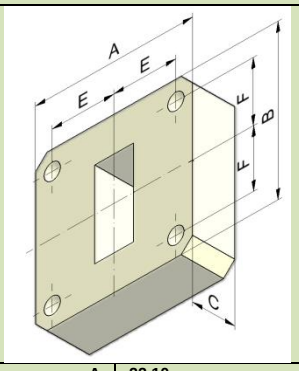
A	21,60 (0.851)	A	21,60 (0.851)				
B	19,30 (0.760)	B	19,30 (0.760)				
E		E					
F		F					
G		G					
H		H					
Hole I		Hole I					
Hole J		Hole J					
C		C					
Material		Material	Cu alloy				
		NSN 5985-99-011-9667					

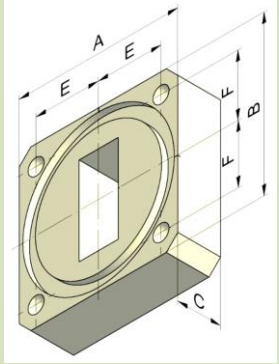
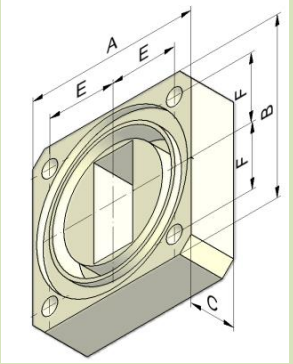
Template TD-00001I

WR 42 R 220 WG 20

USA		USA					
plain		plain					
MIL-DTL-3922/67E		MIL-DTL-3922/67E					
M3922/67-004		M3922/67-011					
							
A	28.580 (1.1250)	A	28.580 (1.1250)				
B		B					
E	23,812 (0.9375)	E	23,812 (0.9375)				
F		F					
G		G					
Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B				
Hole J	Ø1,700 (Ø0.0670)	Hole J	Ø1,700 (Ø0.0670)				
Pin P	Ø1,562 (Ø0.0615)	Pin P	Ø1,562 (Ø0.0615)				
C	4,064 (0.1600)	C	4,064 (0.1600)				
Material	Cu alloy	Material	Al alloy				
UG-425/U							

WR 34 R 260 WG 21

inactive for new design		inactive for new design					
USA		USA		International			
plain		plain		plain			
MIL-F-3922/63B		MIL-F-3922/63B		IEC 60154-2:1997			
M3922/63-009		M3922/63-010		60154 IEC-UBR 260			
							
A	22,23 (0.875)	A	22,23 (0.875)	A	22,10		
B	22,23 (0.875)	B	22,23 (0.875)	B	22,10		
E	8,51 (0.335)	E	8,51 (0.335)	E	7,90		
F	8,13 (0.320)	F	8,13 (0.320)	F	7,50		
G		G		G			
H		H		H			
Hole I	Ø2,95 (Ø0.116)	Hole I	Ø2,95 (Ø0.116)	Hole I	Ø3,00		
Hole J		Hole J		Hole J			
C	4,75 (0.187)	C	4,75 (0.187)	C	4,10		
Material	Cu alloy	Material	Al alloy	Material			
				F41763, F41763-1			
UG-1530/U							

International				International			
sealing groove				choke/sealing groove			
IEC 60154-2:1997				IEC 60154-2:1997			
60154 IEC-PBR 260				60154 IEC-CBR 260			
							
A	22,10			A	22,10		
B	22,10			B	22,10		
E	7,90			E	7,90		
F	7,50			F	7,50		
G				G			
H				H			
Hole I	Ø3,00			Hole I	Ø3,00		
Hole J				Hole J			
C	4,10			C	4,10		
Material				Material			
F41773, F41773-1							

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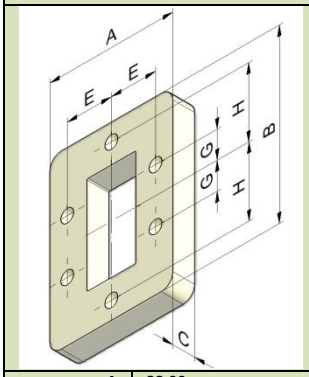
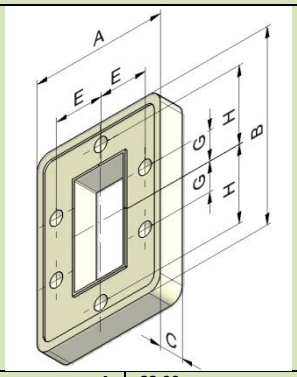
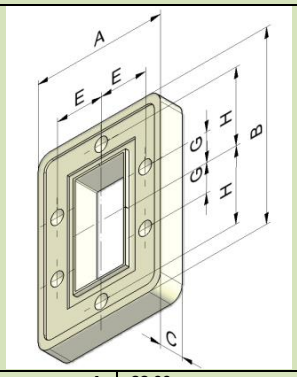
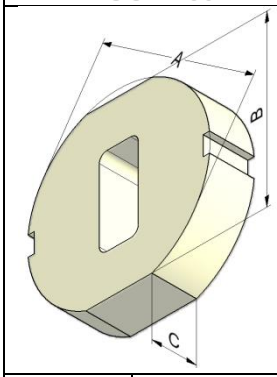
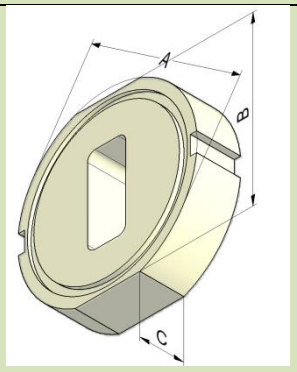
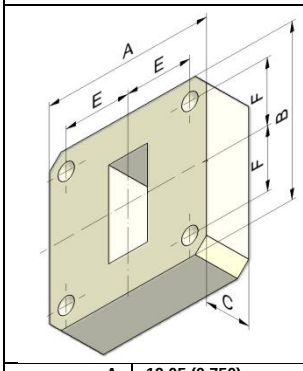
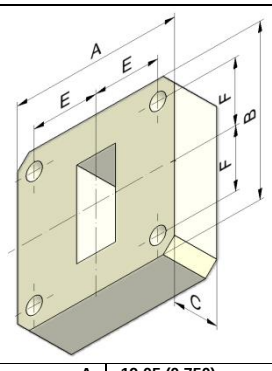
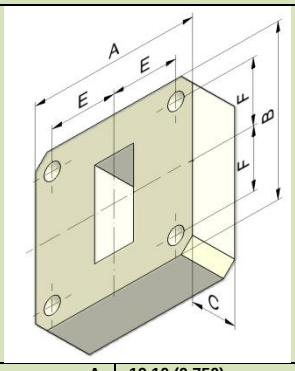
WR 34 R 260 WG 21

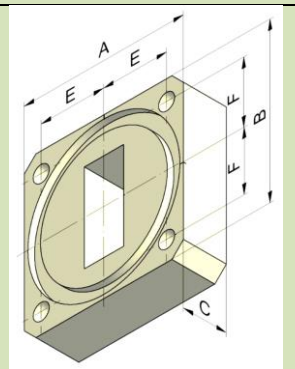
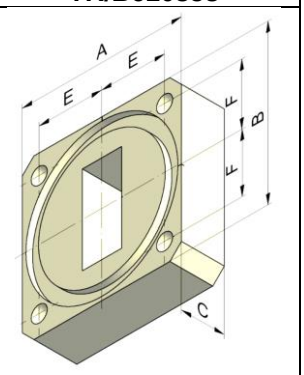
International plain IEC 60154-2:1997 60154 IEC-UDR 260		International plain IEC 60154-2:1997 60154 IEC-RDR 260		International sealing groove IEC 60154-2:1997 60154 IEC-PDR 260			
							
A	32,00	A	32,00	A	32,00		
B	36,00	B	36,00	B	36,00		
E	10,00	E	10,00	E	10,00		
F		F		F			
G	5,10	G	5,10	G	5,10		
H	13,00	H	13,00	H	13,00		
Hole I	Ø3,00	Hole I	Ø3,00	Hole I	Ø3,00		
Hole J		Hole J		Hole J			
C	6,50	C	6,50	C	6,50		
Material		Material		Material			

UK plain UCR 260				International sealing groove IEC 60154-2:2016 60154 IEC-PCR 260			
							
A	21,59 (0,850)			A	21,60 (0.850)		
B	19,30 (0,760)			B	19,30 (0.760)		
E				E			
F				F			
G				G			
H				H			
Hole I				Hole I			
Hole J				Hole J			
C				C	4,83 (0.190)		
Material				Material			

Template TD-00001I

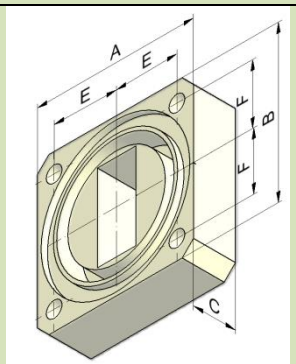
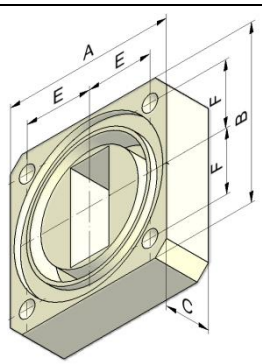
WR 28 R 320 WG 22

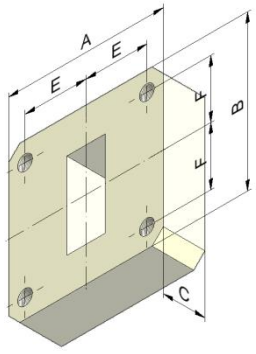
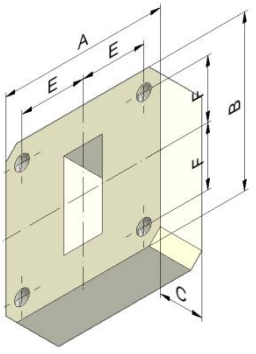
inactive for new design							
USA		USA		International			
plain		plain		plain			
MIL-DTL-3922/54E		MIL-DTL-3922/68B		IEC 60154-2:2016			
M3922/54-003		M3922/68-001		60154 IEC-UBR 320			
							
A	19,05 (0.750)	A	19,05 (0.750)	A	19,10 (0.750)		
B	19,05 (0.750)	B	19,05 (0.750)	B	19,10 (0.750)		
E	6,73 (0.265)	E	6,73 (0.265)	E	6,73 (0.265)		
F	6,35 (0.250)	F	6,35 (0.250)	F	6,35 (0.250)		
G		G		G			
H		H		H			
Hole I	Ø2,95 (Ø0.116)	Hole I	Ø2,95 (Ø0.116)	Hole I	Ø3,00 (Ø0.118)		
Hole J		Hole J		Hole J			
C	4,75 (0.187)	C	3,96 (0.156)	C	2,80 (0.110)		
Material	Cu alloy	Material	Cu alloy	Material			
				F40488			
UG-599/U				F41764			

				International		UK	
				sealing groove		sealing groove	
				IEC 60154-2:2016		DEF-5352:1958	
				60154 IEC-PBR 320		TR/B610358	
							
				A	19,10 (0.750)	A	19,81 (0.780)
				B	19,10 (0.750)	B	19,81 (0.780)
				E	6,73 (0.265)	E	6,73 (0.265)
				F	6,35 (0.250)	F	6,35 (0.250)
				G		G	
				H		H	
				Hole I	Ø3,00 (Ø0.118)	Hole I	
				Hole J		Hole J	
				C	2,80 (0.110)	C	
				Material		Material	Cu alloy
				F40493			
						NSN 5985-99-012-4834	

Template TD-00001I

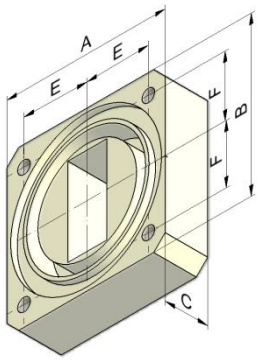
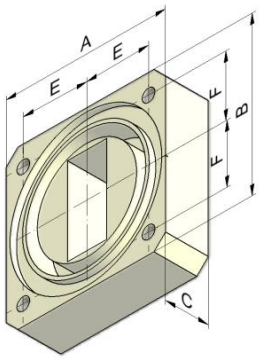
WR 28 R 320 WG 22

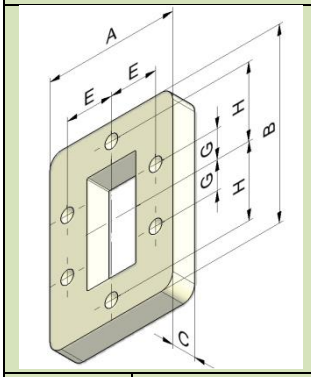
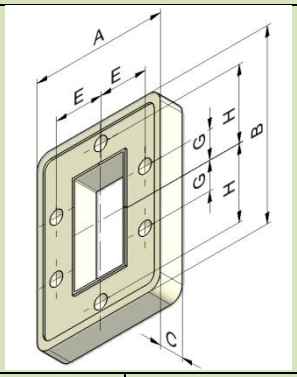
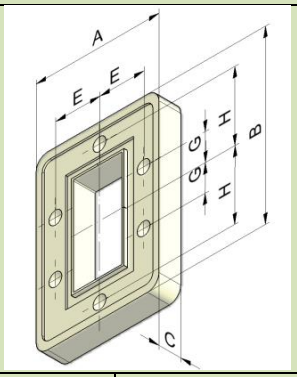
	International	UK
	choke/sealing groove	choke/sealing groove
	IEC 60154-2:2016	DEF-5352:1958
	60154 IEC-CBR 320	TR/B610357
		
A	19,10 (0.750)	19,81 (0.780)
B	19,10 (0.750)	19,81 (0.780)
E	6,73 (0.265)	6,73 (0.265)
F	6,35 (0.250)	6,35 (0.250)
G		
H		
Hole I	Ø3,00 (Ø0.118)	
Hole J		
C	2,80 (0.110)	
Material		Cu alloy
	F41243	
		NSN 5985-99-012-4835

USA	USA		
plain	sealing groove		
MIL-DTL-3922/68B	MIL-DTL-3922/68B		
M3922/68-002	M3922/68-003		
			
A 19,05 (0.750)	A 19,05 (0.750)		
B 19,05 (0.750)	B 19,05 (0.750)		
E 6,73 (0.265)	E 6,73 (0.265)		
F 6,35 (0.250)	F 6,35 (0.250)		
G	G		
H	H		
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B		
Hole J	Hole J		
C 3,96 (0.156)	C 3,96 (0.156)		
Material Cu alloy	Material Cu alloy		

Template TD-00001I

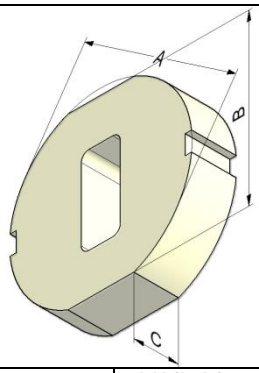
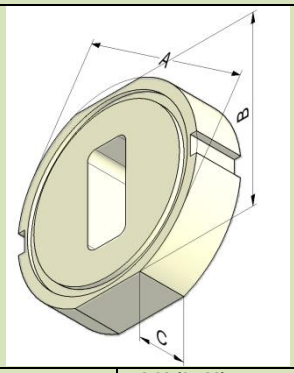
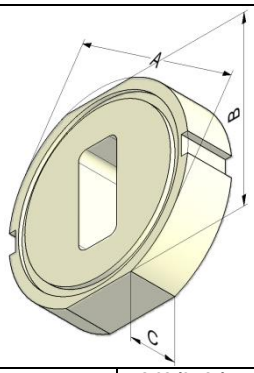
WR 28 R 320 WG 22

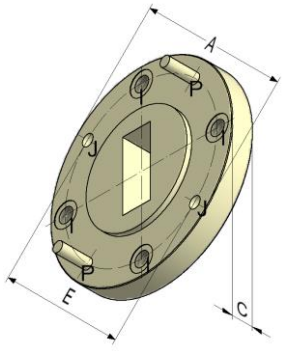
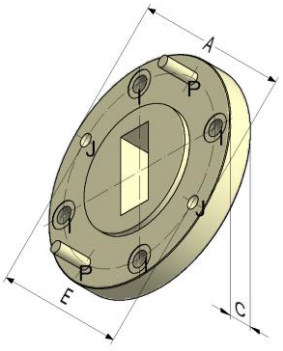
USA	USA
choke/sealing groove	choke/sealing groove
MIL-DTL-3922/59F	MIL-DTL-3922/59F
M3922/59-005	M3922/59-012
	
A 19,05 (0.750)	A 19,05 (0.750)
B 19,05 (0.750)	B 19,05 (0.750)
E 6,73 (0.265)	E 6,73 (0.265)
F 6,35 (0.250)	F 6,35 (0.250)
G	G
H	H
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B
Hole J	Hole J
C 2,77 (0.109)	C 3,96 (0.156)
Material Cu alloy	Material Cu alloy
UG-600A/U	

International	International	International
plain	plain	sealing groove
IEC 60154-2:1997	IEC 60154-2:1997	IEC 60154-2:1997
60154 IEC-UDR 320	60154 IEC-RDR 320	60154 IEC-PDR 320
		
A 31,00	A 31,00	A 31,00
B 34,00	B 34,00	B 34,00
E 9,70	E 9,70	E 9,70
F	F	F
G 5,10	G 5,10	G 5,10
H 12,20	H 12,20	H 12,20
Hole I Ø3,00	Hole I Ø3,00	Hole I Ø3,00
Hole J	Hole J	Hole J
C 6,50	C 6,50	C 6,50
Material	Material	Material

Template TD-00001I

WR 28 R 320 WG 22

UK		International	UK
plain		sealing groove	sealing groove
		IEC 60154-2:2016	DEF-5352:1958
UCR 320		60154 IEC-PCR 320	TR/A610140
			
A 18,63 (0.734)		A 18,62 (0.733)	A 18,63 (0.734)
B 16,15 (0.636)		B 16,16 (0.636)	B 16,15 (0.636)
E		E	E
F		F	F
G		G	G
H		H	H
Hole I		Hole I	Hole I
Hole J		Hole J	Hole J
C		C 4,88 (0.192)	C
Material		Material	Material Cu alloy
			NSN 5985-99-083-0018

USA	USA		
plain	plain		
MIL-DTL-3922/67E	MIL-DTL-3922/67E		
M3922/67-005	M3922/67-012		
			
A 28.580 (1.1250)	A 28.580 (1.1250)		
B	B		
E 23,812 (0.9375)	E 23,812 (0.9375)		
F	F		
G	G		
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B		
Hole J Ø1,700 (Ø0.0670)	Hole J Ø1,700 (Ø0.0670)		
Pin P Ø1,562 (Ø0.0615)	Pin P Ø1,562 (Ø0.0615)		
C 4,064 (0.1600)	C 4,064 (0.1600)		
Material Cu alloy	Material Al alloy		

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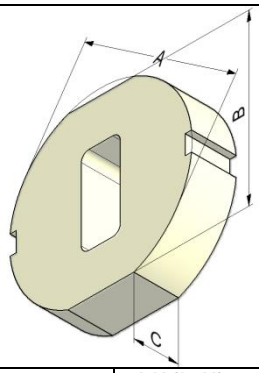
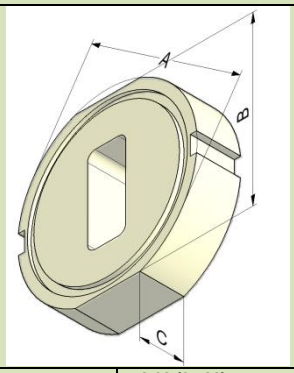
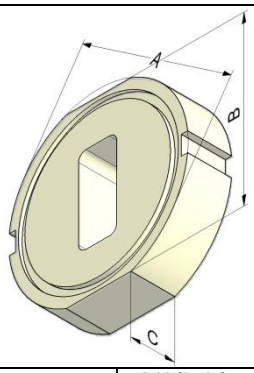
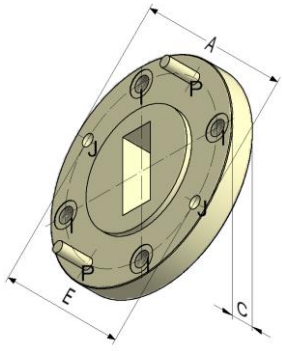
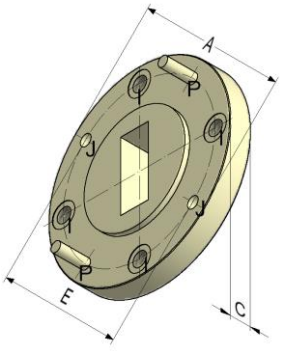
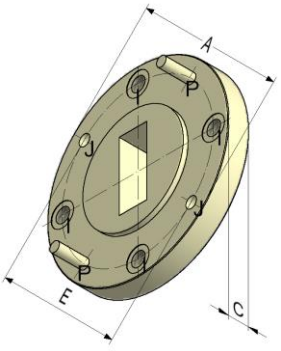
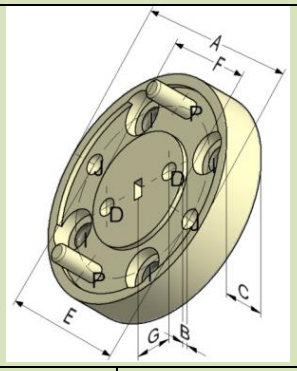
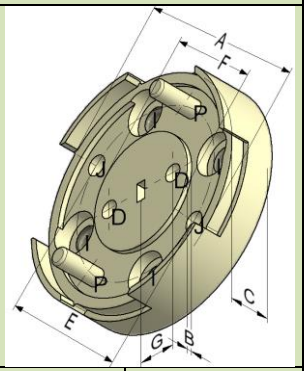
WR 22 R 400 WG 23

UK		International	UK
plain		sealing groove	sealing groove
		IEC 60154-2:2016	DEF-5352:1958
UCR 400		60154 IEC-PCR 400	RR/B611085
			
A 18,62 (0.733)		A 18,62 (0.733)	A 18,63 (0.734)
B 16,15 (0.636)		B 16,16 (0.636)	B 16,15 (0.636)
E		E	E
F		F	F
G		G	G
H		H	H
Hole I		Hole I	Hole I
Hole J		Hole J	Hole J
C		C 4,88 (0.192)	C
Material		Material	Material Cu alloy
			NSN 5985-99-011-9668

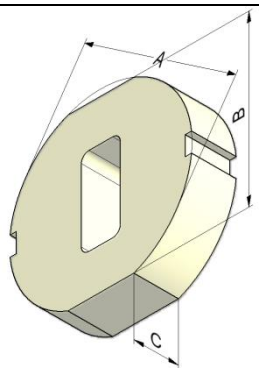
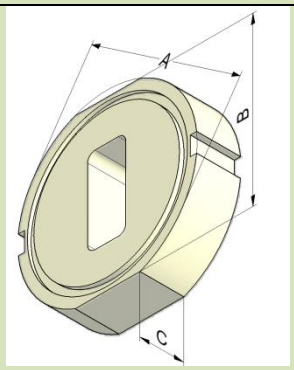
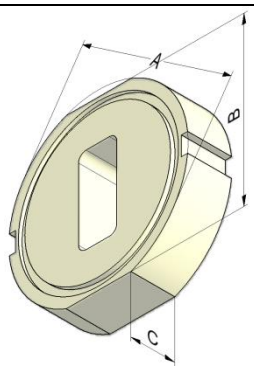
superseded by /67-006			
USA	USA	USA	
plain	plain	plain	
MIL-DTL-3922/67E	MIL-DTL-3922/67E	MIL-DTL-3922/67E	
M3922/67-001	M3922/67-006	M3922/67-013	
			
A 28.580 (1.1250)	A 28.580 (1.1250)	A 28.580 (1.1250)	
B	B	B	
E 23,812 (0.9375)	E 23,812 (0.9375)	E 23,812 (0.9375)	
F	F	F	
G	G	G	
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	
Hole J Ø1,700 (Ø0.0670)	Hole J Ø1,700 (Ø0.0670)	Hole J Ø1,700 (Ø0.0670)	
Pin P Ø1,562 (Ø0.0615)	Pin P Ø1,562 (Ø0.0615)	Pin P Ø1,562 (Ø0.0615)	
C 4,064 (0.1600)	C 4,064 (0.1600)	C 4,064 (0.1600)	
Material Cu alloy	Material Cu alloy	Material Al alloy	
UG-383/U			

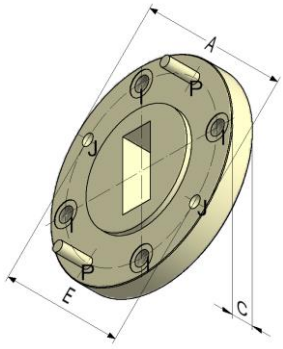
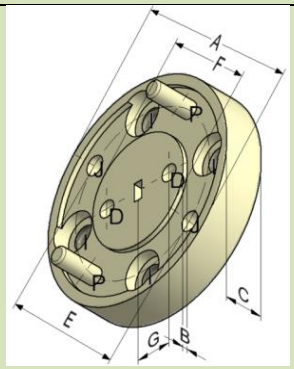
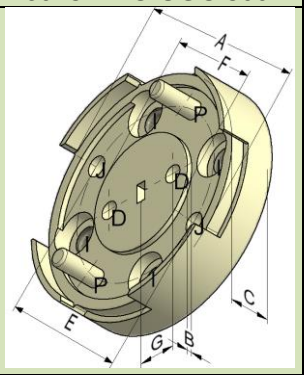
Template TD-00001I

WR 22 R 400 WG 23

	International plain IEC 60154-2:2016 60154 IEC-UFC 400	International plain IEC 60154-2:2016 60154 IEC-UGC 400
		
A	19,050	19,150
B	0,500	1,500
E	14,288	14,288
F	9,525	9,530
G	3,302	3,302
Hole I	0.112-40 UNC-2B	0.112-40 UNC-2B
Hole J	Ø1,650	Ø1,613
Hole D	Ø1,580	Pin P Ø1,566
C	4,000	3,500
Material		Material
F41747-1, -2, -3		

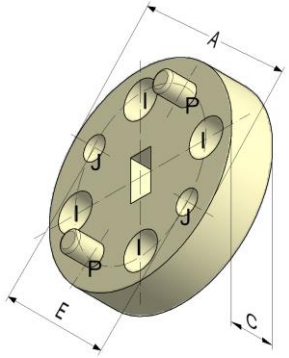
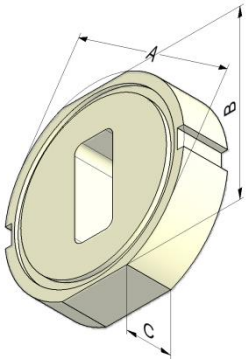
WR 19 R 500 WG 24

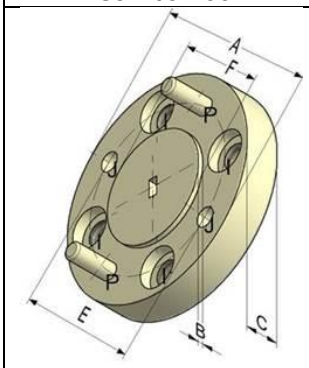
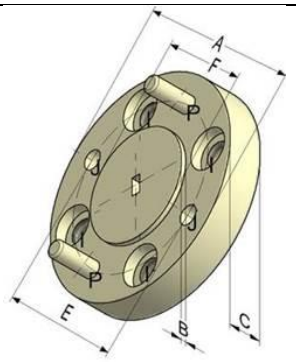
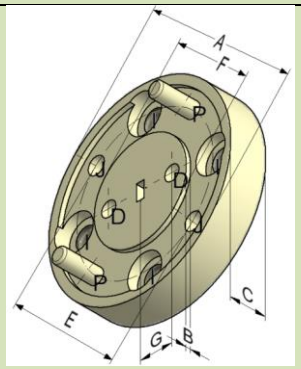
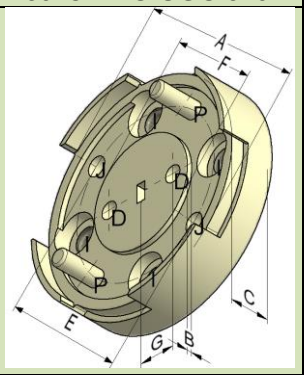
UK		International	UK
plain		sealing groove	sealing groove
		IEC 60154-2:2016	DEF-5352:1958
UCR 500		60154 IEC-PCR 500	TR/A610148
			
A 15,00 (0.591)		A 14,99 (0.590)	A 15,00 (0.591)
B 12,45 (0.490)		B 12,44 (0.490)	B 12,45 (0.490)
E		E	E
F		F	F
G		G	G
H		H	H
Hole I		Hole I	Hole I
Hole J		Hole J	Hole J
C		C 3,63 (0.143)	C
Material		Material	Material Cu alloy
			NSN 5985-99-083-0026

USA		International	International
plain		plain	plain
MIL-DTL-3922/67E		IEC 60154-2:2016	IEC 60154-2:2016
M3922/67-007		60154 IEC-UFC 500	60154 IEC-UGC 500
			
A 28.580 (1.1250)		A 19,050	A 19,150
B		B 0,500	B 1,500
E 23,812 (0.9375)		E 14,288	E 14,288
F		F 9,525	F 9,530
G		G 3,302	G 3,302
Hole I 0.112-40 UNC-2B		Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B
Hole J Ø1,700 (Ø0.0670)		Hole J Ø1,650	Hole J Ø1,613
Pin P Ø1,562 (Ø0.0615)		Hole D Ø1,580	Pin P Ø1,566
C 4,064 (0.1600)		C 4,000	C 3,500
Material Cu alloy		Material	Material
		F41747-1, -2, -3	

Template TD-00001I

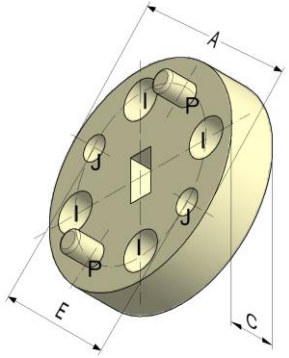
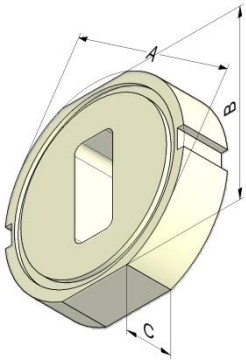
WR 15 R 620 WG 25

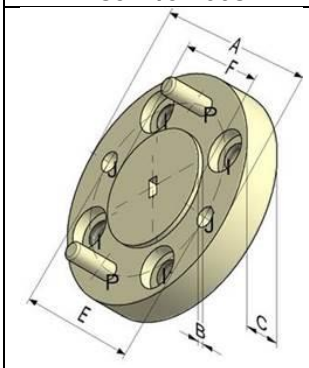
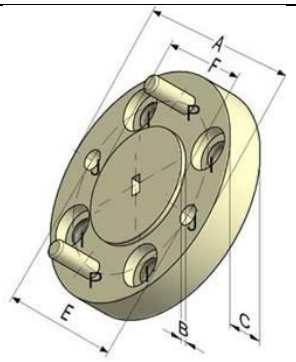
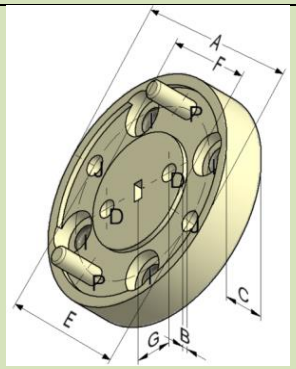
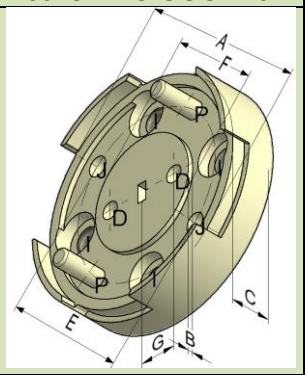
canceled w/o replacement							
USA				**UK**			
plain				**sealing groove**			
MIL-F-3922/66B				**DEF-5352:1958**			
M3922/66-002				**RR/B610741**			
							
A	14,270 (0.5620)			A	14,999 (0.5905)		
B				B	12,446 (0.4900)		
E	10,211 (0.4020)			E			
F				F			
G				G			
Hole I	Ø2,640 (Ø0.1040)			H			
Hole J	Ø1,687 (Ø0.0664)			Hole I			
Pin P	Ø1,664 (Ø0.0655)			Hole J			
C	3,180 (0.1250)			C			
Material	Cu alloy			Material	Cu alloy		
UG-1523/U				**NSN 5985-99-083-1613**			

superseded by /67-008							
USA		**USA**		**International**		**International**	
plain		**plain**		**plain**		**plain**	
MIL-DTL-3922/67E		**MIL-DTL-3922/67E**		**IEC 60154-2:2016**		**IEC 60154-2:2016**	
M3922/67-002		**M3922/67-008**		**60154 IEC-UFC 620**		**60154 IEC-UGC 620**	
							
A	19,050 (0.7500)	A	19,050 (0.7500)	A	19,050	A	19,150
B	0,760 (0.0300)	B	0,760 (0.0300)	B	0,500	B	1,500
E	14,288 (0.5625)	E	14,288 (0.5625)	E	14,288	E	14,288
F	8,330 (0.3280)	F	9,530 (0.3750)	F	9,525	F	9,530
G		G		G	3,302	G	3,302
Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B
Hole J	Ø1,700 (Ø0.0670)	Hole J	Ø1,700 (Ø0.0670)	Hole J	Ø1,650	Hole J	Ø1,613
Pin P	Ø1,562 (Ø0.0615)	Pin P	Ø1,562 (Ø0.0615)	Hole D	Ø1,580	Pin P	Ø1,566
C	4,064 (0.1600)	C	4,064 (0.1600)	C	4,000	C	3,500
Material	Cu alloy	Material	Cu alloy	Material		Material	
		F41745-1, -2, -3, -4		**F41747-1, -2, -3**			
UG-385/U							

Template TD-00001I

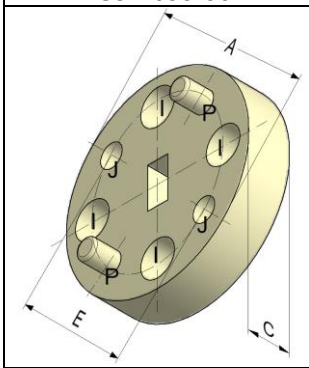
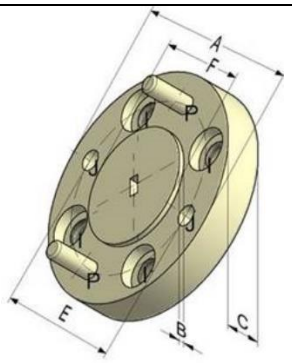
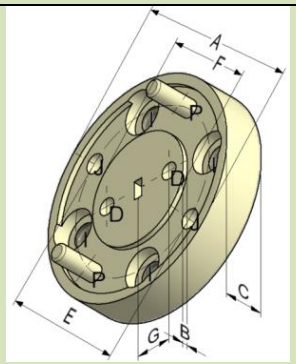
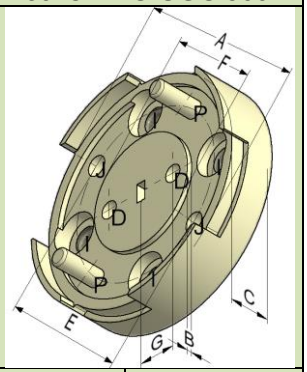
WR 12 R 740 WG 26

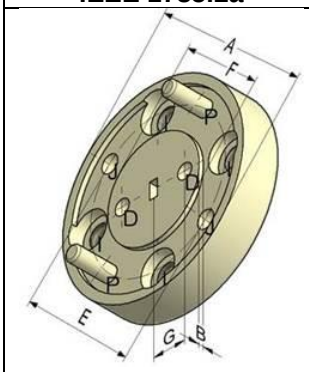
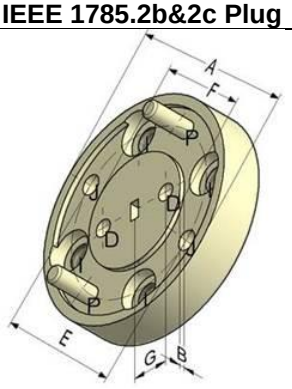
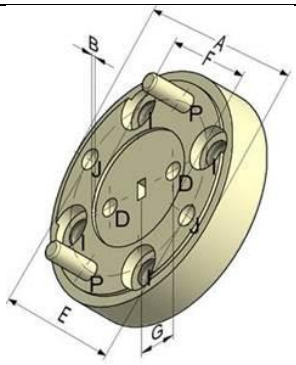
canceled w/o replacement							
USA				**UK**			
plain				**sealing groove**			
MIL-F-3922/66B				**DEF-5352:1958**			
M3922/66-001				**TR/A610164**			
							
A	14,270 (0.5620)			A	14,999 (0.5905)		
B				B	12,446 (0.4900)		
E	10,211 (0.4020)			E			
F				F			
G				G			
Hole I	Ø2,640 (Ø0.1040)			H			
Hole J	Ø1,687 (Ø0.0664)			Hole I			
Pin P	Ø1,664 (Ø0.0655)			Hole J			
C	3,180 (0.1250)			C			
Material	Cu alloy			Material	Cu alloy		
UG-1522/U				**NSN 5985-99-083-0061**			

superseded by /67-009							
USA		**USA**		**International**		**International**	
plain		**plain**		**plain**		**plain**	
MIL-DTL-3922/67E		**MIL-DTL-3922/67E**		**IEC 60154-2:2016**		**IEC 60154-2:2016**	
M3922/67-003		**M3922/67-009**		**60154 IEC-UFC 740**		**60154 IEC-UGC 740**	
							
A	19,050 (0.7500)	A	19,050 (0.7500)	A	19,050	A	19,150
B	0,760 (0.0300)	B	0,760 (0.0300)	B	0,500	B	1,500
E	14,288 (0.5625)	E	14,288 (0.5625)	E	14,288	E	14,288
F	7,520 (0.2960)	F	9,530 (0.3750)	F	9,525	F	9,530
G		G		G	3,302	G	3,302
Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B
Hole J	Ø1,700 (Ø0.0670)	Hole J	Ø1,700 (Ø0.0670)	Hole J	Ø1,650	Hole J	Ø1,613
Pin P	Ø1,562 (Ø0.0615)	Pin P	Ø1,562 (Ø0.0615)	Hole D	Ø1,580	Pin P	Ø1,566
C	4,064 (0.1600)	C	4,064 (0.1600)	C	4,000	C	3,500
Material	Cu alloy	Material	Cu alloy	Material		Material	
		F41745-1, -2, -3, -4		**F41747-1, -2, -3**			
UG-387/U							

TD-00077

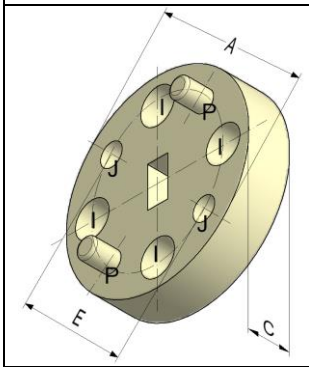
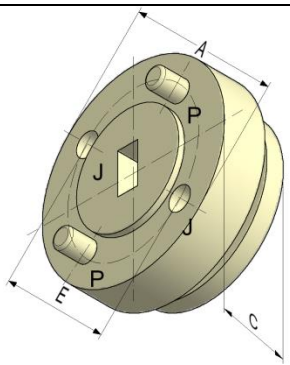
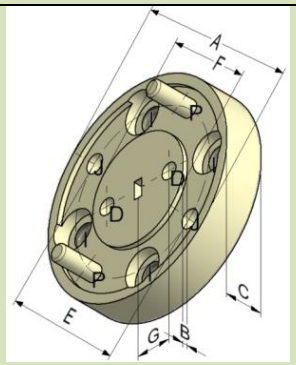
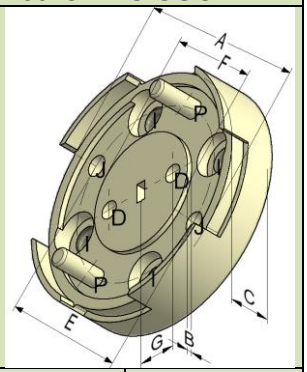
WR 10 R 900 WG 27 WM-2540

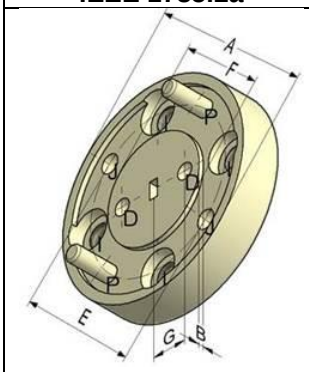
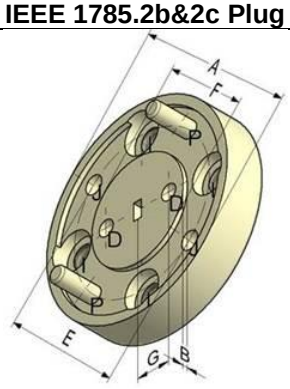
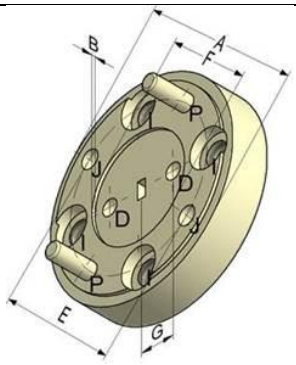
canceled w/o replacement							
USA		**USA**		**International**		**International**	
plain		**plain**		**plain**		**plain**	
MIL-F-3922/66B		**MIL-DTL-3922/67E**		**IEC 60154-2:2016**		**IEC 60154-2:2016**	
M3922/66-007		**M3922/67-010**		**60154 IEC-UFC 900**		**60154 IEC-UGC 900**	
							
A	14,270 (0.5620)	A	19,050 (0.7500)	A	19,050	A	19,150
B		B	0,760 (0.0300)	B	0,500	B	1,500
E	10,211 (0.4020)	E	14,288 (0.5625)	E	14,288	E	14,288
F		F	9,530 (0.3750)	F	9,525	F	9,530
G		G		G	3,302	G	3,302
Hole I	Ø2,640 (Ø0.1040)	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B
Hole J	Ø1,687 (Ø0.0664)	Hole J	Ø1,700 (Ø0.0670)	Hole J	Ø1,650	Hole J	Ø1,613
Pin P	Ø1,664 (Ø0.0655)	Pin P	Ø1,562 (Ø0.0615)	Hole D	Ø1,580	Pin P	Ø1,566
C	3,180 (0.1250)	C	4,064 (0.1600)	C	4,000	C	3,500
Material	Cu alloy	Material	Cu alloy	Material		Material	
		F41745-1, -2, -3, -4		**F41747-1, -2, -3**			
UG-1528/U							

International		**International**		**International**			
plain		**plain**		**plain**			
IEEE Std 1785.2-2016		**IEEE Std 1785.2-2016**		**IEEE Std 1785.2-2016**			
IEEE 1785.2a		**IEEE 1785.2b&2c Plug**		**IEEE 1785.2c Jack**			
							
A	19,050	A	19,05	A	19,05		
B	0,762	B	1,275	B	0,711		
E	14,288	E	14,288	E	14,288		
F	9,652	F	9,652	F	9,660		
G	3,302	G	3,302	G	3,302		
Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B		
Hole J	Ø1,702	Hole J	Ø1,702	Hole J	Ø1,702		
Pin P	Ø1,562	Pin P	Ø1,562	Pin P	Ø1,562		
C		C		C			
Material		Material		Material			
F41747-1, -2, -3							

TD-00077

WR 8 R 1.2k WG 28 WM-2032

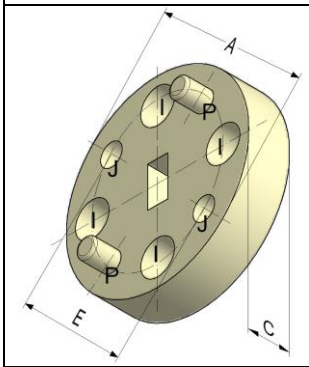
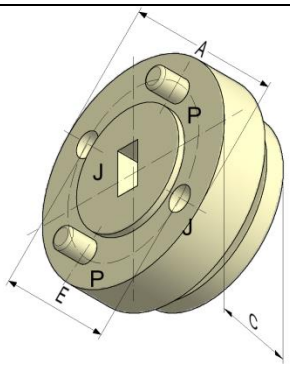
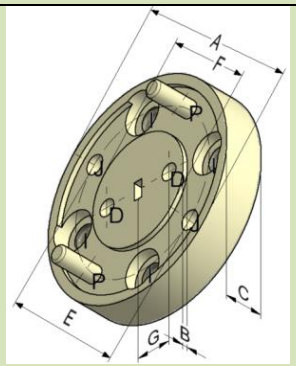
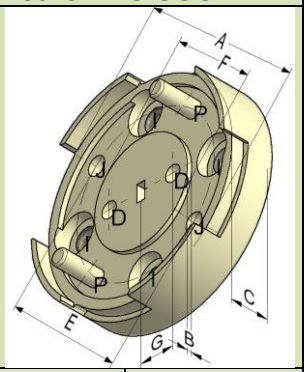
canceled w/o replacement	canceled w/o replacement		
USA	USA	International	International
plain	plain	plain	plain
MIL-F-3922/66B	MIL-F-3922/74	IEC 60154-2:2016	IEC 60154-2:2016
M3922/66-006	M3922/74-001	60154 IEC-UFC 1.2k	60154 IEC-UGC 1.2k
			
A 14,270 (0.5620)	A 9,470 (0.3730)	A 19,050	A 19,150
B	B	B 0,500	B 1,500
E 10,211 (0.4020)	E 7,110 (0.2800)	E 14,288	E 14,288
F	F	F 9,525	F 9,530
G	G	G 3,302	G 3,302
Hole I Ø2,640 (Ø0.1040)	Hole I	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B
Hole J Ø1,687 (Ø0.0664)	Hole J Ø1,232 (Ø0.0485)	Hole J Ø1,650	Hole J Ø1,613
Pin P Ø1,664 (Ø0.0655)	Pin P Ø1,156 (Ø0.0455)	Hole D Ø1,580	Pin P Ø1,566
C 3,180 (0.1250)	C 11,050 (0.4350)	C 4,000	C 3,500
Material Cu alloy	Material Cu alloy	Material	Material
		F41747-1, -2, -3	
UG-1527/U			

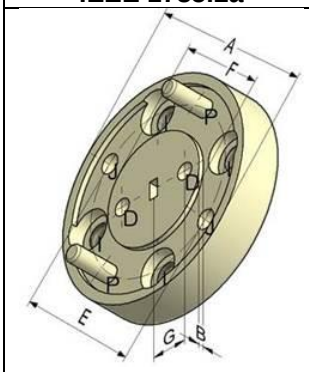
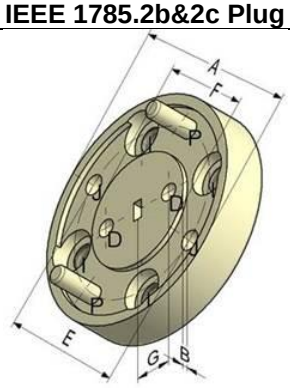
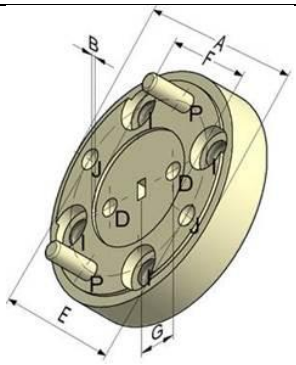
International	International	International	
plain	plain	plain	
IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	
IEEE 1785.2a	IEEE 1785.2b&2c Plug	IEEE 1785.2c Jack	
			
A 19,050	A 19,050	A 19,050	
B 0,762	B 1,275	B 0,711	
E 14,288	E 14,288	E 14,288	
F 9,652	F 9,652	F 9,660	
G 3,302	G 3,302	G 3,302	
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	
Hole J Ø1,702	Hole J Ø1,702	Hole J Ø1,702	
Pin P Ø1,562	Pin P Ø1,562	Pin P Ø1,562	
C	C	C	
Material	Material	Material	
F41747-1, -2, -3			

Template TD-00001I

TD-00077

WR 7 R 1.4k WG 29 WM-1651

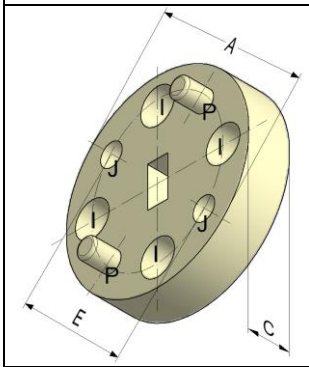
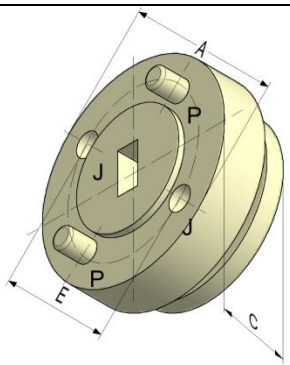
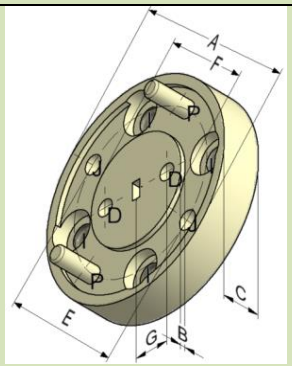
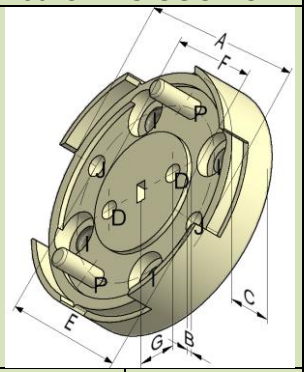
canceled w/o replacement	canceled w/o replacement		
USA	USA	International	International
plain	plain	plain	plain
MIL-F-3922/66B	MIL-F-3922/74	IEC 60154-2:2016	IEC 60154-2:2016
M3922/66-004	M3922/74-002	60154 IEC-UFC 1.4k	60154 IEC-UGC 1.4k
			
A 14,270 (0.5620)	A 9,470 (0.3730)	A 19,050	A 19,150
B	B	B 0,500	B 1,500
E 10,211 (0.4020)	E 7,110 (0.2800)	E 14,288	E 14,288
F	F	F 9,525	F 9,530
G	G	G 3,302	G 3,302
Hole I Ø2,640 (Ø0.1040)	Hole I	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B
Hole J Ø1,687 (Ø0.0664)	Hole J Ø1,232 (Ø0.0485)	Hole J Ø1,650	Hole J Ø1,613
Pin P Ø1,664 (Ø0.0655)	Pin P Ø1,156 (Ø0.0455)	Hole D Ø1,580	Pin P Ø1,566
C 3,180 (0.1250)	C 11,050 (0.4350)	C 4,000	C 3,500
Material Cu alloy	Material Cu alloy	Material	Material
		F41747-1, -2, -3	
UG-1525/U			

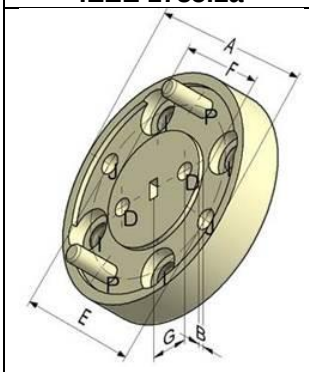
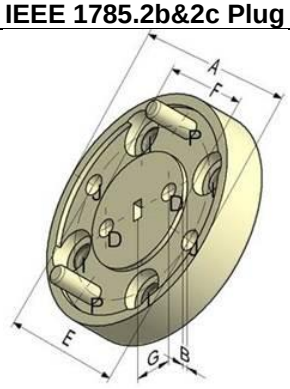
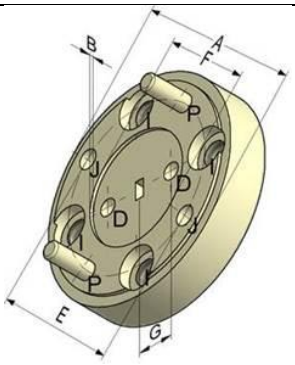
International	International	International	
plain	plain	plain	
IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	
IEEE 1785.2a	IEEE 1785.2b&2c Plug	IEEE 1785.2c Jack	
			
A 19,050	A 19,050	A 19,050	
B 0,762	B 1,275	B 0,711	
E 14,288	E 14,288	E 14,288	
F 9,652	F 9,652	F 9,660	
G 3,302	G 3,302	G 3,302	
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	
Hole J Ø1,702	Hole J Ø1,702	Hole J Ø1,702	
Pin P Ø1,562	Pin P Ø1,562	Pin P Ø1,562	
C	C	C	
Material	Material	Material	
F41747-1, -2, -3			

Template TD-00001I

TD-00077

WR 5 R 1.8k WG 30 WM-1295

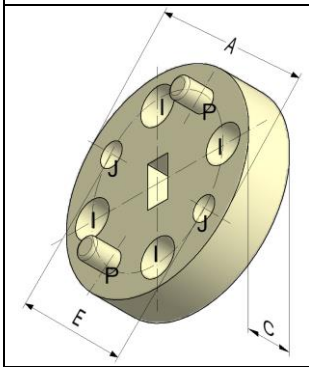
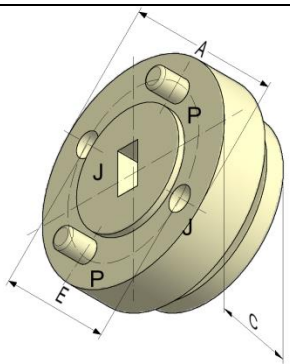
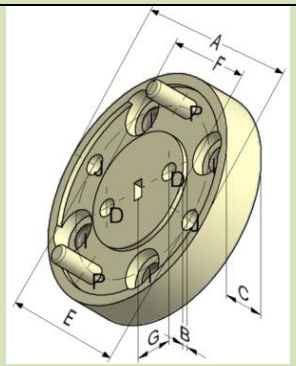
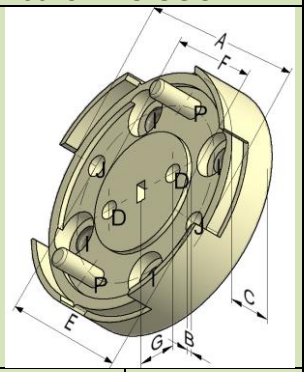
canceled w/o replacement	canceled w/o replacement		
USA	USA	International	International
plain	plain	plain	plain
MIL-F-3922/66B	MIL-F-3922/74	IEC 60154-2:2016	IEC 60154-2:2016
M3922/66-003	M3922/74-003	60154 IEC-UFC 1.8k	60154 IEC-UGC 1.8k
			
A 14,270 (0.5620)	A 9,470 (0.3730)	A 19,050	A 19,150
B	B	B 0,500	B 1,500
E 10,211 (0.4020)	E 7,110 (0.2800)	E 14,288	E 14,288
F	F	F 9,525	F 9,530
G	G	G 3,302	G 3,302
Hole I Ø2,640 (Ø0.1040)	Hole I	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B
Hole J Ø1,687 (Ø0.0664)	Hole J Ø1,232 (Ø0.0485)	Hole J Ø1,650	Hole J Ø1,613
Pin P Ø1,664 (Ø0.0655)	Pin P Ø1,156 (Ø0.0455)	Hole D Ø1,580	Pin P Ø1,566
C 3,180 (0.1250)	C 11,050 (0.4350)	C 4,000	C 3,500
Material Cu alloy	Material Cu alloy	Material	Material
		F41748	
UG-1524/U			

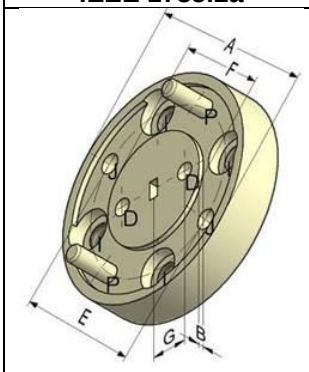
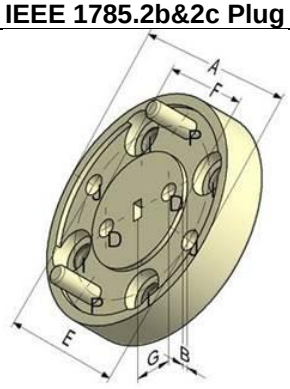
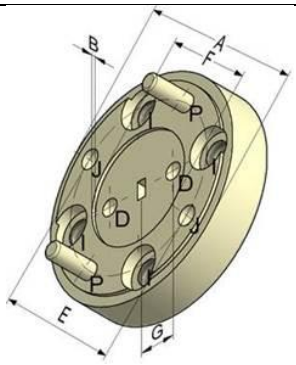
International	International	International	
plain	plain	plain	
IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	
IEEE 1785.2a	IEEE 1785.2b&2c Plug	IEEE 1785.2c Jack	
			
A 19,050	A 19,050	A 19,050	
B 0,762	B 1,275	B 0,711	
E 14,288	E 14,288	E 14,288	
F 9,652	F 9,652	F 9,660	
G 3,302	G 3,302	G 3,302	
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	
Hole J Ø1,702	Hole J Ø1,702	Hole J Ø1,702	
Pin P Ø1,562	Pin P Ø1,562	Pin P Ø1,562	
C	C	C	
Material	Material	Material	
F41748			

Template TD-00001I

TD-00077

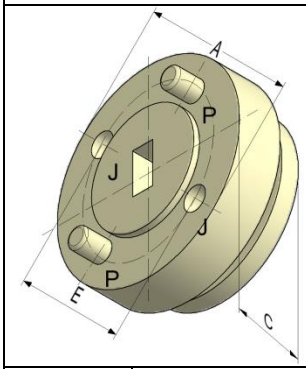
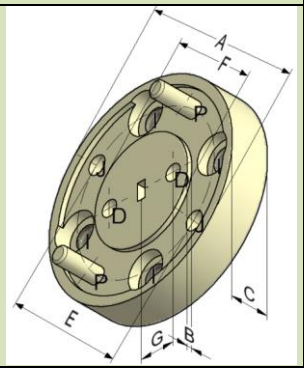
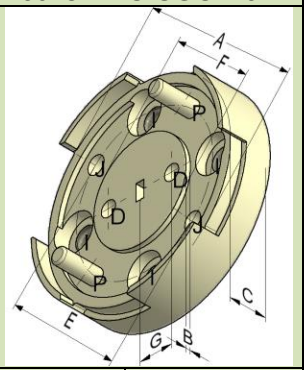
WR 4 R 2.2k WG 31 WM-1092

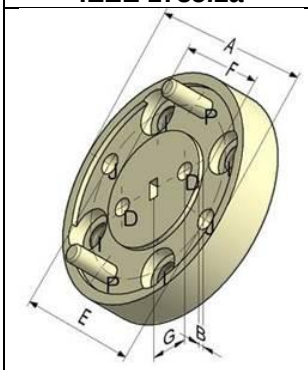
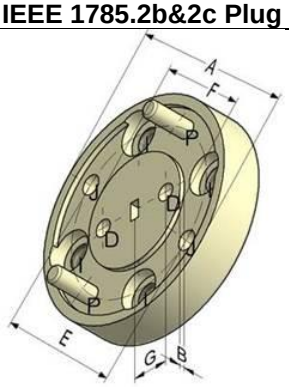
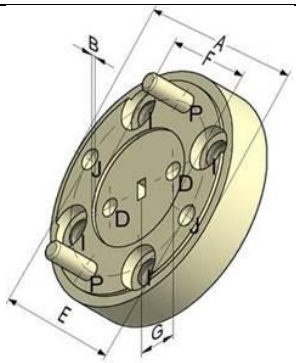
canceled w/o replacement	canceled w/o replacement		
USA	USA	International	International
plain	plain	plain	plain
MIL-F-3922/66B	MIL-F-3922/74	IEC 60154-2:2016	IEC 60154-2:2016
M3922/66-005	M3922/74-004	60154 IEC-UFC 2.2k	60154 IEC-UGC 2.2k
			
A 14,270 (0.5620)	A 9,470 (0.3730)	A 19,050	A 19,150
B	B	B 0,500	B 1,500
E 10,211 (0.4020)	E 7,110 (0.2800)	E 14,288	E 14,288
F	F	F 9,525	F 9,530
G	G	G 3,302	G 3,302
Hole I Ø2,640 (Ø0.1040)	Hole I	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B
Hole J Ø1,687 (Ø0.0664)	Hole J Ø1,232 (Ø0.0485)	Hole J Ø1,650	Hole J Ø1,613
Pin P Ø1,664 (Ø0.0655)	Pin P Ø1,156 (Ø0.0455)	Hole D Ø1,580	Pin P Ø1,566
C 3,180 (0.1250)	C 11,050 (0.4350)	C 4,000	C 3,500
Material Cu alloy	Material Cu alloy	Material	Material
		F41748	
UG-1526/U			

International	International	International	
plain	plain	plain	
IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	IEEE Std 1785.2-2016	
IEEE 1785.2a	IEEE 1785.2b&2c Plug	IEEE 1785.2c Jack	
			
A 19,050	A 19,050	A 19,050	
B 0,762	B 1,275	B 0,711	
E 14,288	E 14,288	E 14,288	
F 9,652	F 9,652	F 9,660	
G 3,302	G 3,302	G 3,302	
Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	Hole I 0.112-40 UNC-2B	
Hole J Ø1,702	Hole J Ø1,702	Hole J Ø1,702	
Pin P Ø1,562	Pin P Ø1,562	Pin P Ø1,562	
C	C	C	
Material	Material	Material	
F41748			

Template TD-00001I

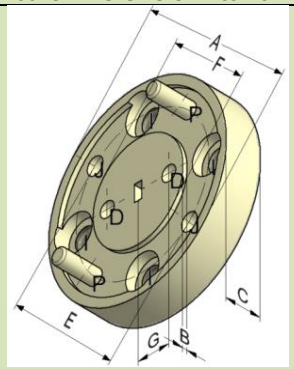
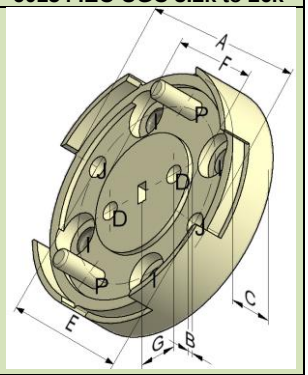
WR 3 | R 2.6k | WG 32 | WM-864

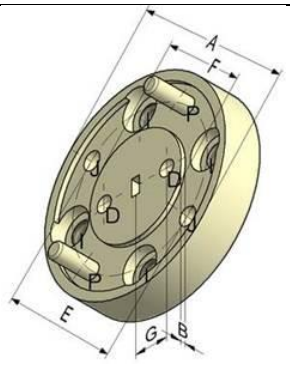
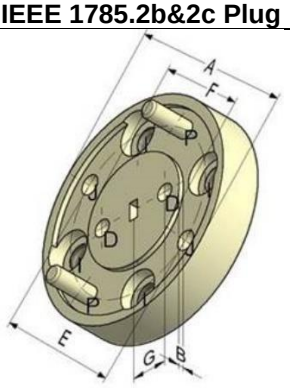
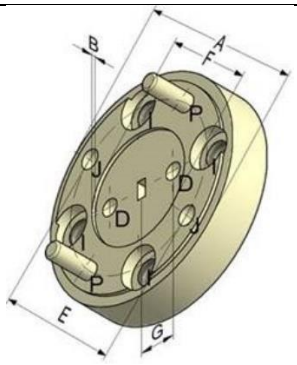
canceled w/o replacement							
USA				**International**		**International**	
plain				**plain**		**plain**	
MIL-F-3922/74				**IEC 60154-2:2016**		**IEC 60154-2:2016**	
M3922/74-005				**60154 IEC-UFC 2.6k**		**60154 IEC-UGC 2.6k**	
							
A	9,470 (0.3730)			A	19,050	A	19,150
B				B	0,500	B	1,500
E	7,110 (0.2800)			E	14,288	E	14,288
F				F	9,525	F	9,530
G				G	3,302	G	3,302
Hole I				Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B
Hole J	Ø1,232 (Ø0.0485)			Hole J	Ø1,650	Hole J	Ø1,613
Pin P	Ø1,156 (Ø0.0455)			Hole D	Ø1,580	Pin P	Ø1,566
C	11,050 (0.4350)			C	4,000	C	3,500
Material	Cu alloy			Material		Material	
				F41748			

International		**International**		**International**			
plain		**plain**		**plain**			
IEEE Std 1785.2-2016		**IEEE Std 1785.2-2016**		**IEEE Std 1785.2-2016**			
IEEE 1785.2a		**IEEE 1785.2b&2c Plug**		**IEEE 1785.2c Jack**			
							
A	19,050	A	19,050	A	19,050		
B	0,762	B	1,275	B	0,711		
E	14,288	E	14,288	E	14,288		
F	9,652	F	9,652	F	9,660		
G	3,302	G	3,302	G	3,302		
Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B		
Hole J	Ø1,702	Hole J	Ø1,702	Hole J	Ø1,702		
Pin P	Ø1,562	Pin P	Ø1,562	Pin P	Ø1,562		
C		C		C			
Material		Material		Material			
F41748							

TD-00077

R 3.2k WM-710 to R 26k* WM-86

	International plain IEC 60154-2:2016 60154 IEC-UFC 3.2k to 26k		International plain IEC 60154-2:2016 60154 IEC-UGC 3.2k to 26k	
				
A	19,050		A	19,150
B	0,500		B	1,500
E	14,288		E	14,288
F	9,525		F	9,530
G	3,302		G	3,302
Hole I	0.112-40 UNC-2B		Hole I	0.112-40 UNC-2B
Hole J	Ø1,650		Hole J	Ø1,613
Hole D	Ø1,580		Pin P	Ø1,566
C	4,000		C	3,500
Material			Material	
F41748, F41758				

International plain IEEE Std 1785.2-2016 IEEE 1785.2a		International plain IEEE Std 1785.2-2016 IEEE 1785.2b&2c Plug		International plain IEEE Std 1785.2-2016 IEEE 1785.2c Jack			
							
A	19,050	A	19,050	A	19,050		
B	0,762	B	1,275	B	0,711		
E	14,288	E	14,288	E	14,288		
F	9,652	F	9,652	F	9,660		
G	3,302	G	3,302	G	3,302		
Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B	Hole I	0.112-40 UNC-2B		
Hole J	Ø1,702	Hole J	Ø1,702	Hole J	Ø1,702		
Pin P	Ø1,562	Pin P	Ø1,562	Pin P	Ø1,562		
C		C		C			
Material		Material		Material			
F41748, F41758							

* In IEC 60154-2:2016 the waveguide R 26k is erroneously referred to as R 36k.