

# BWA SERIES RF CO-AXIAL CONNECTORS

The BWA series are converter adapters used for connecting connectors of different series.

- (1) Has mating portions compatible in materials and finish with the respective series.
- (2) Conforms in performance to the lower series of the two connectors to be connected.

## Converter adapter list

Mating portion 1		Mating portion 2		Part No.	CL No.	Remarks	Shape
Series name	Mating portion	Series name	Mating portion				
N	P	BNC	P	NP-BNCP(40)	311-0050-7-40		Fig.1
			J	JUG-201A/U(40)	311-0007-8-40		Fig.2
		M	J	NP-MJ(40)	311-0019-7-40		Fig.3
			J	N.P-S.J(40)	311-0245-6-40		Fig.4
		HRM	P	HRM-555S(40)	311-0125-4-40		Fig.5
			J	HRM-554S(40)	311-0123-9-40		Fig.6
	J	BNC	P	UG-349/U(40)	311-0004-0-40		Fig.7
			J	NJ-BNCJ(40)	311-0005-2-40		Fig.8
				NJ-BNCJ-PA(40)	311-0014-3-40	Panel-mount type	Fig.9
		M	P	NJ-MP(40)	311-0018-4-40		Fig.10
			J	NJ-MJ(40)	311-0011-5-40		Fig.11
		TNC	P	N.J-TNC.P(40)	311-0225-9-40		Fig.12
			J	HRM-553S	311-0121-3		Fig.13
		HRM	P	HRM-552S	311-0119-1		Fig.15
			J	HRM-552S	311-0119-1		Fig.15
BNC	P	M	P	BNCP-MP(40)	311-0062-6-40		Fig.17
			J	BNCP-MJ(40)	311-0008-0-40		Fig.18
		S	P	SP-BNCP(40)	311-0055-0-40		Fig.19
			J	SJ-BNCP(40)	311-0060-0-40		Fig.20
		UM	J	BNCP-UMJ(40)	311-0065-4-40		Fig.21
			P	BNCP-MSSP(40)	311-0107-2-40		Fig.22
		MSS	J	BNCP-MSSJ(40)	311-0082-3-40		Fig.23
			P	HRM-519(40)	311-0101-6-40		Fig.24
	J	UHF	J	HRM-518(40)	311-0100-3-40		Fig.25
			P	UG-273/U(40)	311-0003-7-40		Fig.26
		M	P	BNCJ-MP(40)	311-0009-3-40		Fig.27
			J	MJ-BNCJ(40)	311-0020-6-40		Fig.28
		S	P	SP-BNCJ(40)	311-0058-9-40		Fig.29
			J	SJ-BNCJ(40)	311-0054-8-40		Fig.30
				SJ-BNCJ-PA(40)	311-0108-5-40	Panel-mount type	Fig.31
		TNC	J	BNCJ-TNC.J(40)	311-0194-7-40		Fig.32
			P	BNCJ-UMP(40)	311-0052-2-40		Fig.33
		UM	J	BNCJ-UMJ(40)	311-0053-5-40		Fig.34
				BNCJ-UMJ-PA(40)	311-0103-1-40	Panel-mount type	Fig.35
		MSS	P	BNCJ-MSSP(40)	311-0081-0-40		Fig.36
			J	BNCJ-MSSJ(40)	311-0066-7-40		Fig.37

# BWA SERIES RF CO-AXIAL CONNECTORS

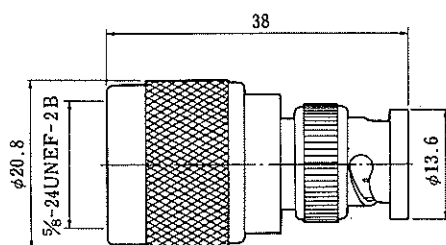
Mating portion 1		Mating portion 2		Part No.	CL No.	Remarks	Shape
Series name	Mating portion	Series name	Mating portion				
BNC	J	HRM	P	HRM-517(40)	311-0099-6-40		Fig.38
			J	HRM-516(40)	311-0102-9-40		Fig.39
		POD	P	BNCJ-PODP(40)	311-0160-5-40		Fig.40
			J	BNCJ-PODJ(40)	311-0161-8-40		Fig.41
		PO6	J	BNCJ-PO6J(40)	311-0167-4-40		Fig.42
S	P	HRM	P	HRM-509(40)	311-0093-0-40		Fig.43
			J	HRM-508(40)	311-0092-7-40		Fig.44
	J	HRM	P	HRM-507(40)	311-0091-4-40		Fig.45
				HRM-512(40)	311-0098-3-40	Panel-mount type	Fig.46
				HRM-512S(40)	311-0144-9-40	Panel-mount type, S type	Fig.46
				HRM-506(40)	311-0090-1-40		Fig.47
		J	J	HRM-511(40)	311-0094-2-40	Panel-mount type	Fig.48
				HRM-511S(40)	311-0143-6-40	Panel-mount type, S type	Fig.48
TNC	J	HRM	J	HRMJ-TNCJ-PA(40)	311-0202-3-40	Panel-mount type	Fig.49
UM	P	HRM	J	UM.P-HRM.J(40)	311-0176-5-40		Fig.50
	J	HRM	J	HRMJ-UMJ(40)	311-0164-6-40		Fig.51
HRM	P	POB	P	HRMP-POBP-1(40)	311-0169-0-40		Fig.52
			J	HRMP-POBJ	311-0152-7		Fig.53
		POD	J	HRM.P-POD.J(40)	311-0177-8-40		Fig.54
		POD1	J	HRMP-POD1J(40)	311-0253-4-40		Fig.55
		PO6	J	HRMP-PO6J(40)	311-0172-4-40		Fig.56
		S,FL	J	HRMP-S.FLJ-2(40)	311-0249-7-40	For inspecting harnesses parts	Fig.57
		H,FL	J	HRMP-H.FLJ(40)	311-0232-4-40	For inspecting harnesses parts	Fig.58
		HRMM	P	HRMP-HRMMJ(40)	311-0250-6-40		Fig.59
			J	HRMP-HRMMJ	311-0243-0		Fig.60
				HRMP-HRMMJ-LA(40)	311-0226-1-40		Fig.61
	J	POB	P	HRMJ-POBP(40)	311-0151-4-40		Fig.62
				HRMJ-POBP-PA(40)	311-0206-4-40		Fig.63
			J	HRMJ-POBJ(40)	311-0149-2-40		Fig.64
				HRMJ-POBJ-PA(40)	311-0150-1-40		Fig.65
		POD	P	HRMJ-PODP(40)	311-0157-0-40		Fig.66
		POD1	P	HRMJ-POD1P-1(40)	311-0254-7-40		Fig.67
		PO6	P	HRMJ-PO6P(40)	311-0173-7-40		Fig.68
		PO51	P	HRMJ-PO51P(40)	311-0231-1-40		Fig.69
		FL	P	HRMJ-FLP-1(40)	311-0195-0-40		Fig.70
			J	HRMJ-FLJ(40)	311-0179-3-40		Fig.71
		S,FL	P	HRMJ-S.FLP(40)	311-0218-3-40		Fig.72
		H,FL	P	HRMJ-H.FLP-3(40)	311-0264-0-40		Fig.73
	J	HRMM	P	HRMJ-HRMMJ-2	311-0221-8		Fig.74
				HRMJ-HRMMJ-LA(40)	311-0227-4-40		Fig.75
			J	HRMJ-HRMMJ	311-0220-5		Fig.76

Note 1. Part No. NP-BNCP of Fig.1 is shown that series name N, coupling part p (plug) for connecting part 1 and series name BNC, coupling part P (plug) for connecting part 2.

2. Series name of each connecting parts are shown in order to HIROSE's CL numbers.

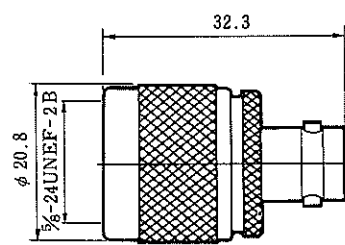
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.1



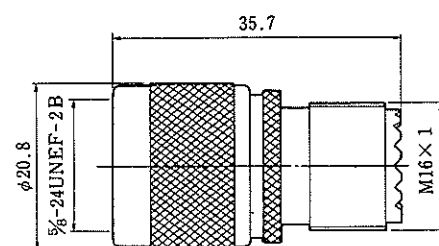
NP-BNCP(40)

Fig.2



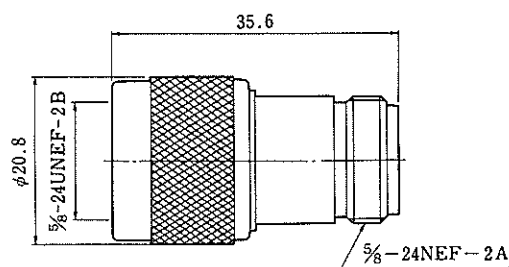
UG-201A/U(40)

Fig.3



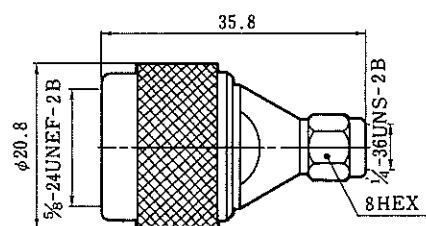
NP-MJ(40)

Fig.4



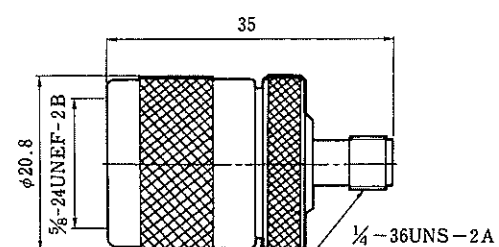
N.P-SJ(40)

Fig.5



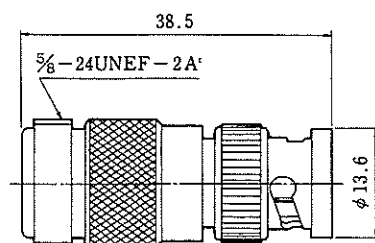
HRM-555S(40)

Fig.6



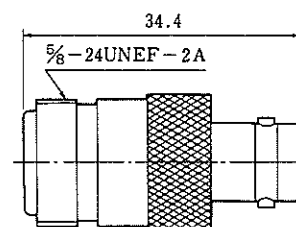
HRM-554S(40)

Fig.7



UG-349/U(40)

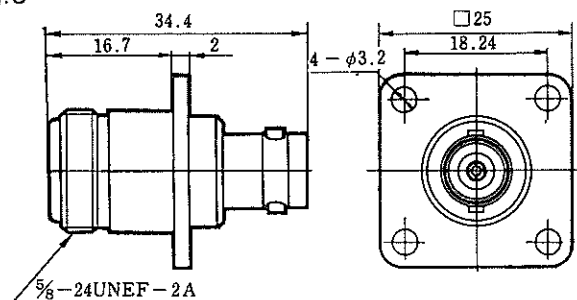
Fig.8



NJ-BNCJ(40)

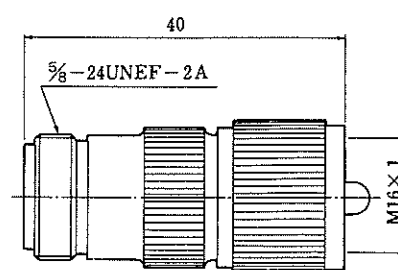
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.9



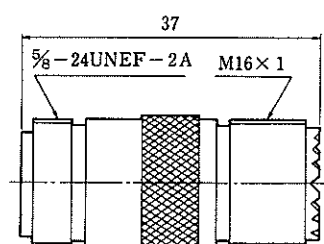
NJ-BNCJ-PA(40)

Fig.10



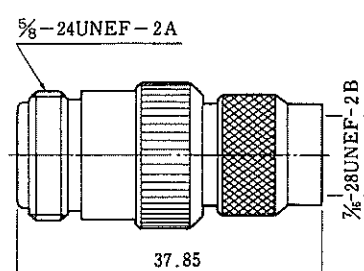
NJ-MP(40)

Fig.11



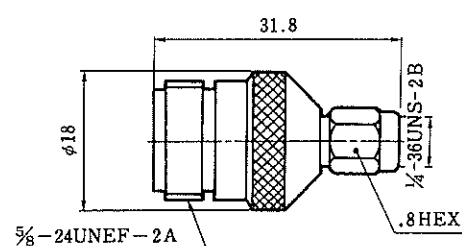
NJ-MJ(40)

Fig.12



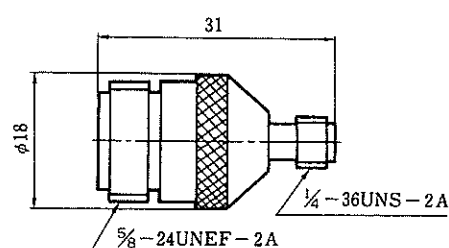
NJ-TNC.P(40)

Fig.13



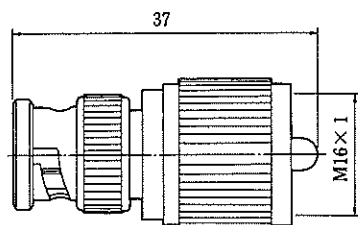
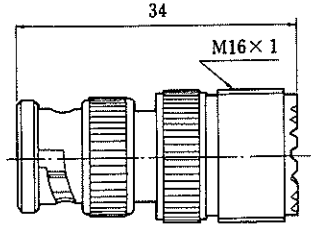
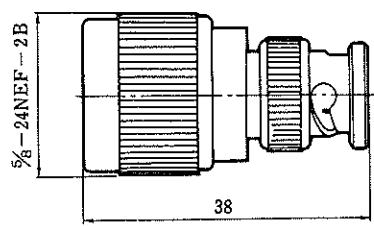
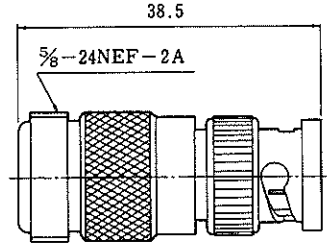
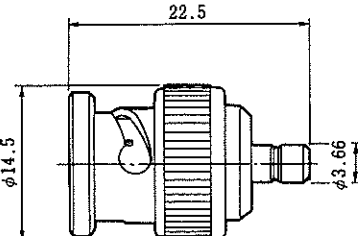
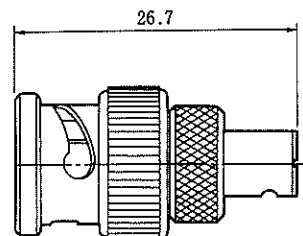
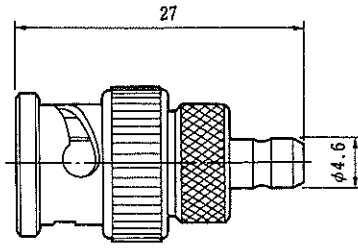
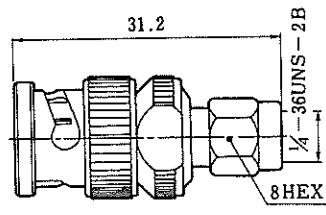
HRM-553S

Fig.15



HRM-552S

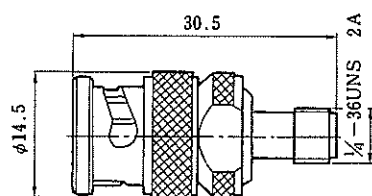
# BWA SERIES RF CO-AXIAL CONNECTORS

<p>Fig.17</p>  <p>BNC-MP(40)</p>	<p>Fig.18</p>  <p>BNC-MJ(40)</p>
<p>Fig.19</p>  <p>SP-BNC(40)</p>	<p>Fig.20</p>  <p>SJ-BNC(40)</p>
<p>Fig.21</p>  <p>BNC-UMJ(40)</p>	<p>Fig.22</p>  <p>BNC-MSSP(40)</p>
<p>Fig.23</p>  <p>BNC-MSSJ(40)</p>	<p>Fig.24</p>  <p>HRM-519(40)</p>

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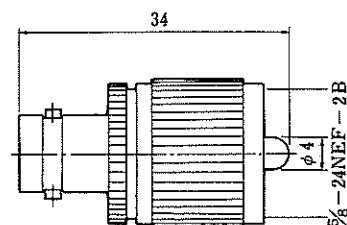
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.25



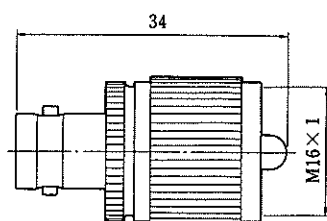
HRM-518(40)

Fig.26



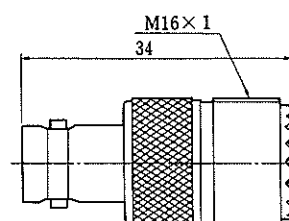
UG-273/U(40)

Fig.27



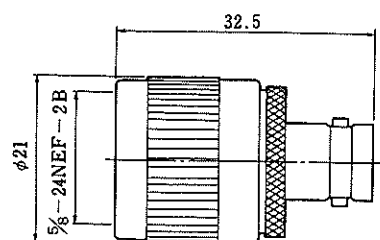
BNCJ-MP(40)

Fig.28



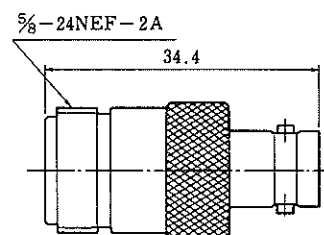
MJ-BNCJ(40)

Fig.29



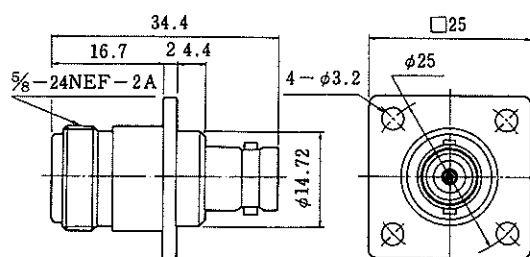
SP-BNCJ(40)

Fig.30



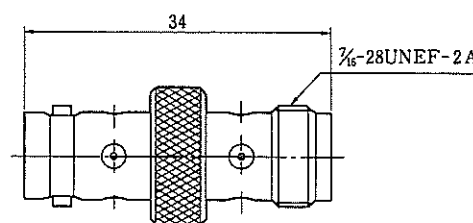
SJ-BNCJ(40)

Fig.31



SJ-BNCJ-PA(40)

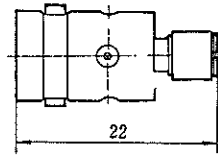
Fig.32



BNCJ-TNCJ(40)

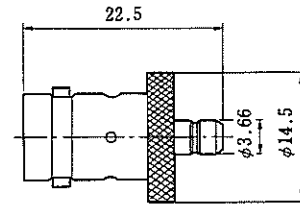
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.33



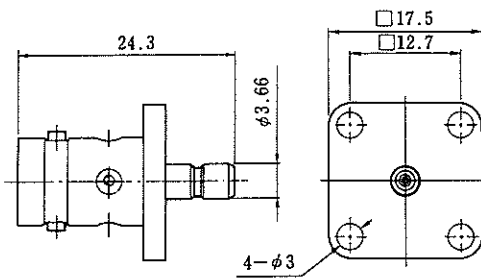
BNCJ-UMP(40)

Fig.34



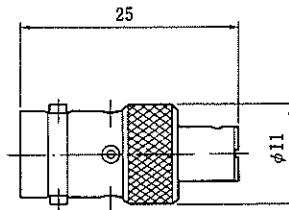
BNCJ-UMJ(40)

Fig.35



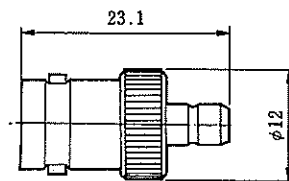
BNCJ-UMJ-PA(40)

Fig.36



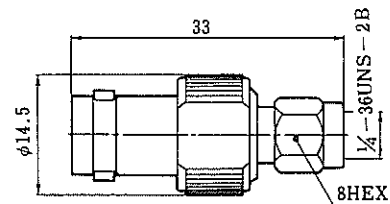
BNCJ-MSSP(40)

Fig.37



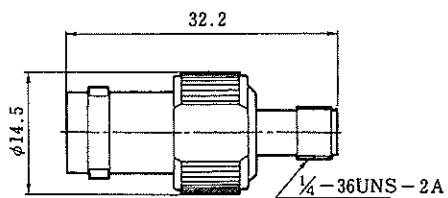
BNCJ-MSSJ(40)

Fig.38



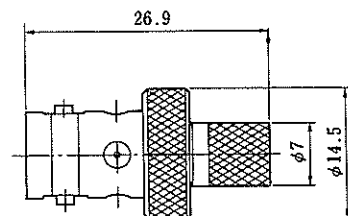
HRM-517(40)

Fig.39



HRM-516(40)

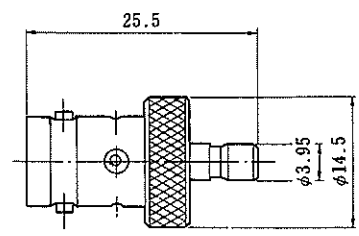
Fig.40



BNCJ-PODP(40)

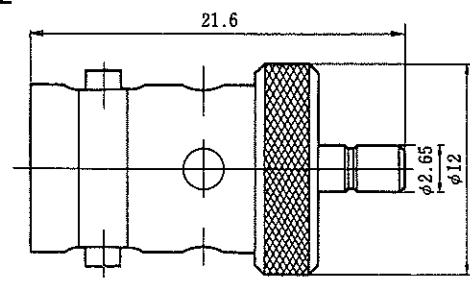
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.41



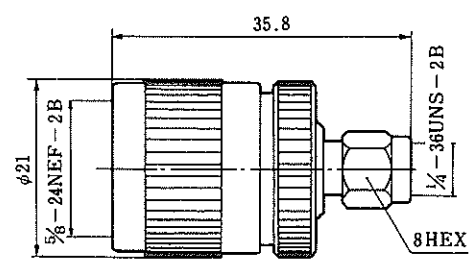
BNCJ-PODJ(40)

Fig.42



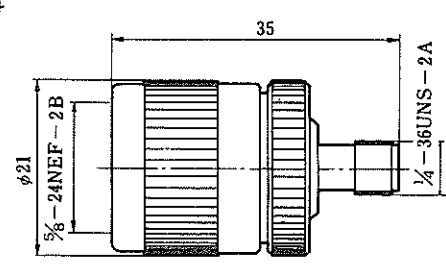
BNCJ-PO6J(40)

Fig.43



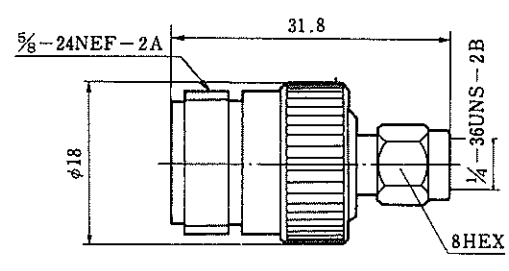
HRM-509(40)

Fig.44



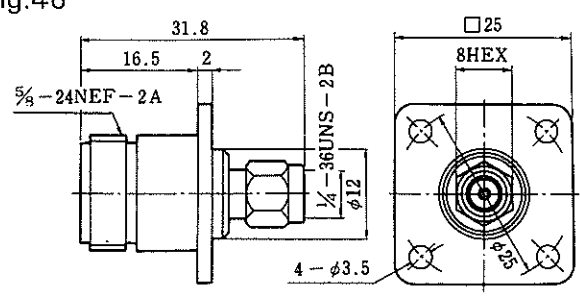
HRM-508(40)

Fig.45



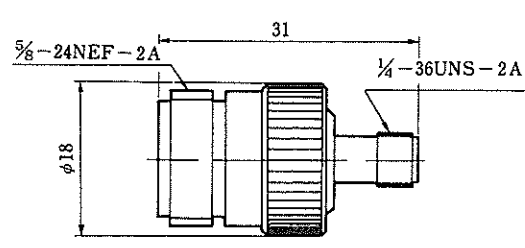
HRM-507(40)

Fig.46



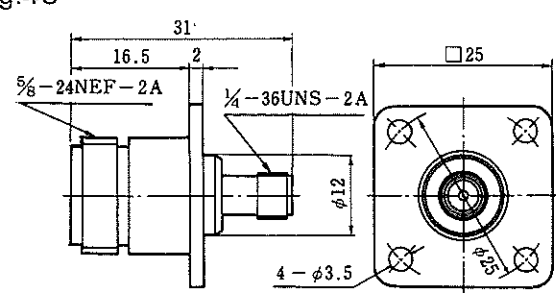
HRM-512(40) HRM-512S(40)

Fig.47



HRM-506(40)

Fig.48



HRM-511(40) HRM-511S(40)

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# BWA SERIES

# RF CO-AXIAL CONNECTORS

HRMJ-TNCJ-PA(40)

Technical drawing of a bolt. The drawing shows a side view of the bolt with a central axis line. The overall length is dimensioned as 16.9. The diameter of the shank is dimensioned as  $\phi 6.5$ . The thread specification is indicated as  $\frac{1}{4}$ -36UNS-2A.

UM.P-HRM.J(40)

Technical drawing of a bolt and nut assembly. The bolt is labeled  $\frac{1}{4}$ -36UNS-2A and the nut is labeled 8 HEX. The total length of the assembly is 15.8. The nut has a hexagonal head with a width of 3.66.

HRMJ-UMJ(40)

HRMP-POBP-1(40)

Technical drawing of the 1/4-36UNS-2B hex nut. The top view shows a hexagonal shape with a central hole, labeled "8 HEX". The side view shows the nut's profile with a total height of 17.1 and a major diameter of  $\phi 5.55$ . The thread specification is 1/4-36UNS-2B.

HRMP-POBJ

Technical drawing of a bolt and nut assembly. The bolt is labeled "8 HEX" and has a length of "17.1". The nut is labeled "1/4 - 36UNS - 2B" and has a diameter of "ø3.95".

HRM,P-POD.J(40)

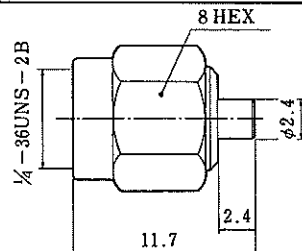
HRMP-POD1J(40)

Technical drawing of a 1/4-36UNS-2B hex nut. The drawing shows a side view of the nut with a hexagonal body and a threaded section. Dimensions are indicated: 17 (overall length), 8 HEX (hex body length), 1/4-36UNS-2B (thread specification), and 65 (thread length).

HRMP-PO6J (40)

# BWA SERIES RF CO-AXIAL CONNECTORS

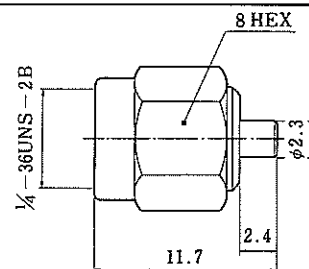
Fig.57



Note : The mating portion on the S. FL side mates with the S. FL and S. FL2 plugs.  
 Having no locking mechanism, however, the S. FL side mating portion can be used only for performance measurement.

HRMP-S.FLJ-2(40)

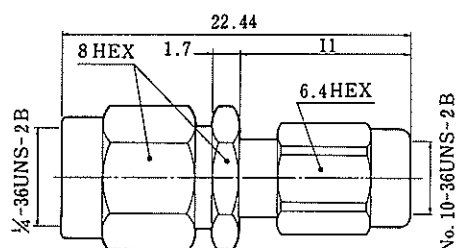
Fig.58



Note : Having no locking mechanism, however, the S. FL side mating portion can be used only for performance measurement.

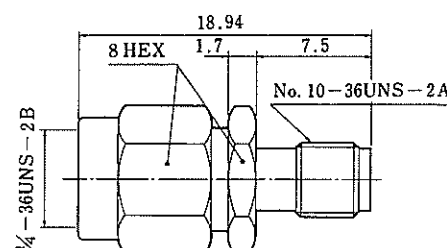
HRMP-H.FLJ(40)

Fig.59



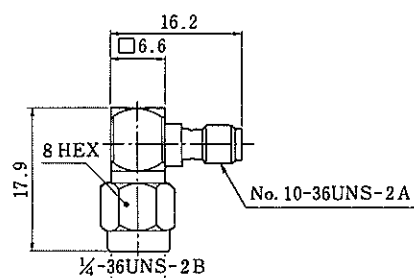
HRMP-HRMMJ(40)

Fig.60



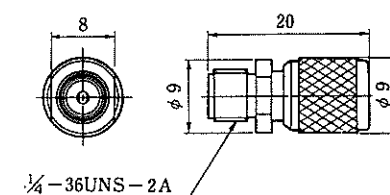
HRMP-HRMMJ(40)

Fig.61



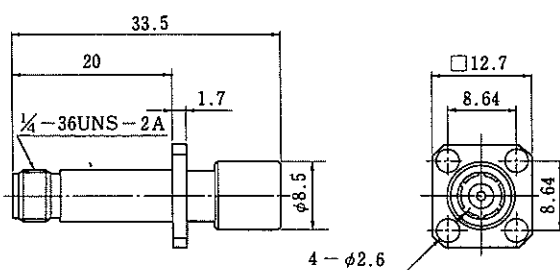
HRMP-HRMMJ-LA(40)

Fig.62



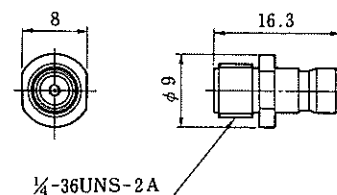
HRMJ-POBP(40)

Fig.63



HRMJ-POBP-PA(40)

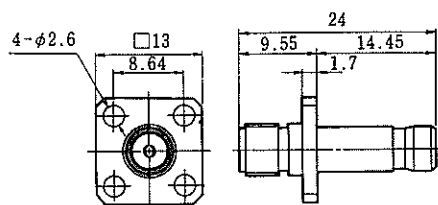
Fig.64



HRMJ-POBJ(40)

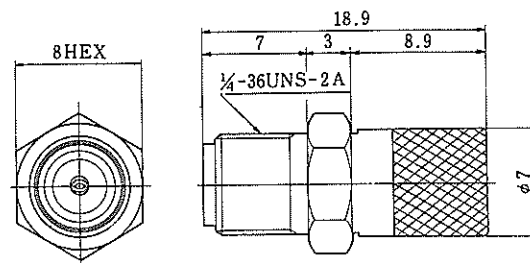
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.65



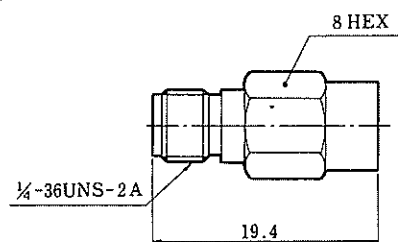
HRMJ-POBJ-PA(40)

Fig.66



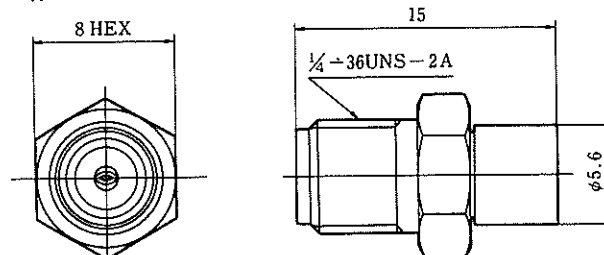
HRMJ-PODP(40)

Fig.67



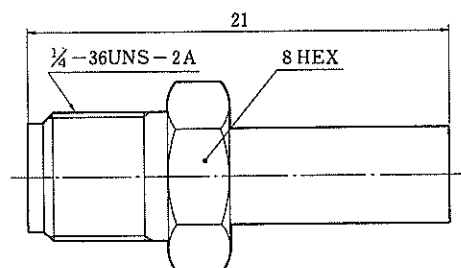
HRMJ-POD1P-1(40)

Fig.68



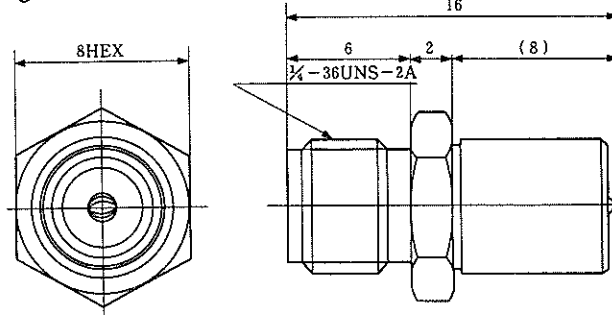
HRMJ-PO6P(40)

Fig.69



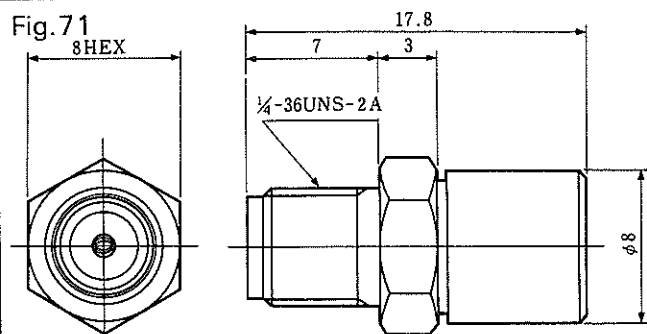
HRMJ-PO51P(40)

Fig.70



HRMJ-FLP-1(40)

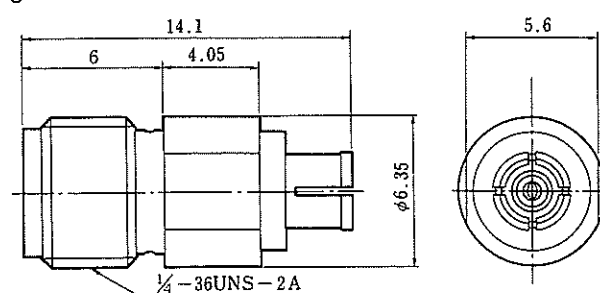
Fig.71



HRMJ-FLJ(40)

Note : Having no locking mechanism, however, the FL side mating portion can be used only for performance measurement.

Fig.72

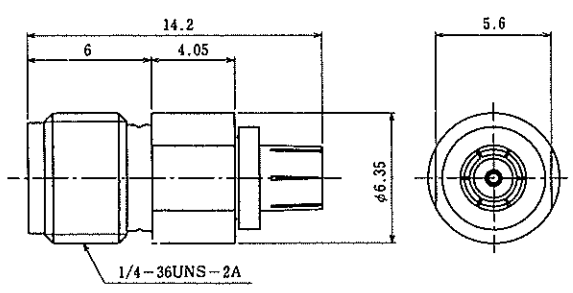


HRMJ-S.FLP(40)

Note : Compatible with S. FL and S. FL2.

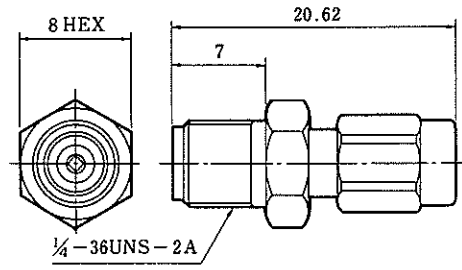
# BWA SERIES RF CO-AXIAL CONNECTORS

Fig.73



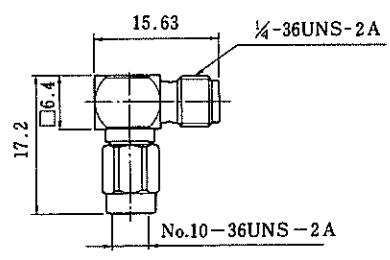
HRMJ-H.FLP-3(40)

Fig.74



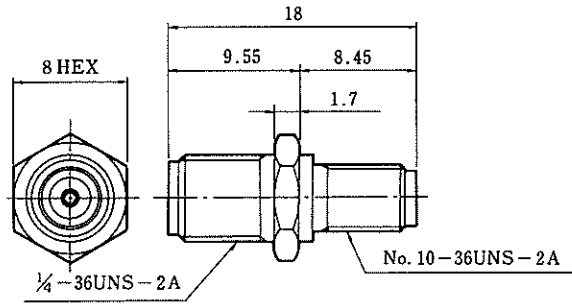
HRMJ-HRMMP-2

Fig.75



HRMJ-HRMMP-LA(40)

Fig.76



HRMJ-HRMMJ