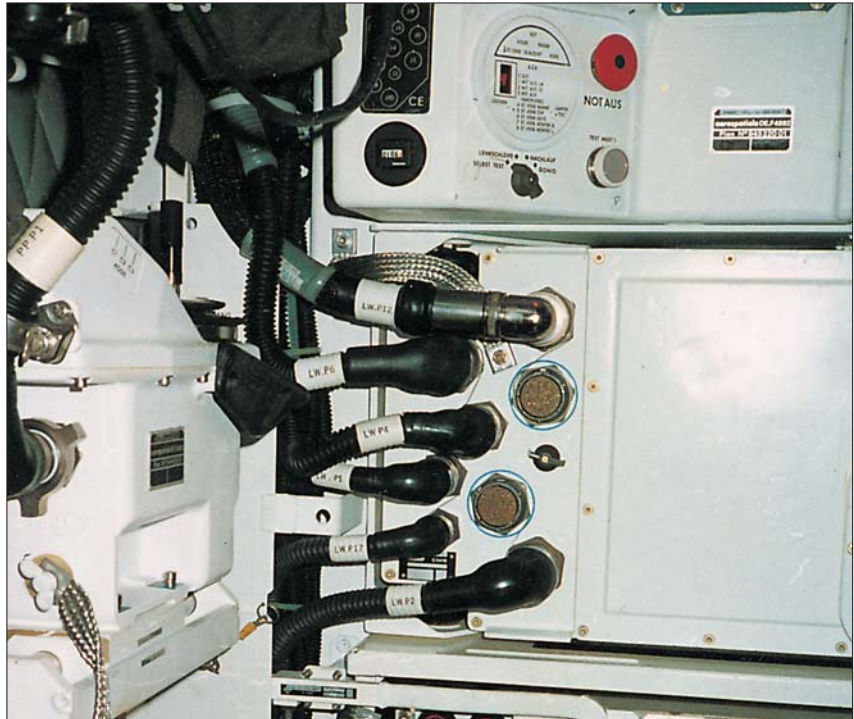




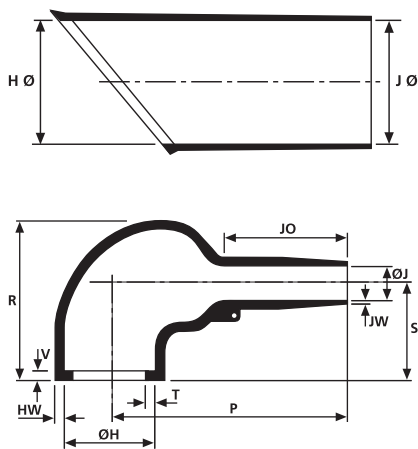
## Heat Shrinkable moulded Shapes for plug-and-socket connectors

### • Helashrink Series 1100 - Right Angle

Right-angle, VG style shape with rib. This style provides connector cable strain relief and can be installed directly onto connector rear thread.



Space saving right-angle shapes used here in a military application.



1152-4-G recovered on to a connector.

Technical Table

Article-No.	Type	Designation as per VG-Norm	H min a	H max b	J min a	J max b	P ± 10%	R ± 10%	S ± 10%	JO ± 10%	HW ± 20%	JW ± 20%	V ± 10%	T ± 20%
411-08180	<b>1108-1-G</b>	—	16.5	7.9	16.5	3.8	17.3	20.1	15.2	4.1	1.0	1.0	—	1.0
411-08480	<b>1108-4-G</b>	—	16.5	7.9	16.5	3.8	17.3	20.1	15.2	4.1	1.0	1.0	3.0	1.0
411-52480	<b>1152-4-G</b>	VG95343T06E001A	24.0	10.5	24.0	6.0	26.0	25.0	19.0	10.0	1.3	0.5	3.0	1.0
411-54480	<b>1154-4-G</b>	VG95343T06E002A	30.0	15.5	30.0	6.0	32.0	27.0	20.0	12.0	1.5	0.8	3.0	1.0
411-55480	<b>1155-4-G</b>	VG95343T06E003A	31.0	18.0	31.0	7.0	40.0	31.0	21.0	15.0	1.8	1.0	3.0	1.0
411-56480	<b>1156-4-G</b>	VG95343T06E004A	36.0	22.5	36.0	8.5	46.0	38.0	26.0	15.0	1.8	1.0	3.0	1.0
411-57480	<b>1157-4-G</b>	VG95343T06E005A	43.0	28.5	43.0	10.0	55.0	45.0	30.0	16.0	2.0	1.0	3.0	1.7
411-58480	<b>1158-4-G</b>	VG95343T06E006A	60.0	35.0	60.0	16.0	80.0	54.0	35.0	30.0	3.3	1.5	3.0	1.7
411-59480	<b>1159-4-G</b>	VG95343T06E007A	66.0	45.0	66.0	17.0	108.0	68.0	42.0	51.0	3.8	2.0	3.0	2.0
411-60480	<b>1160-4-G</b>	VG95343T06E008A	82.0	61.0	82.0	25.0	118.0	84.0	52.0	39.0	4.0	4.0	3.0	2.0

All dimensions in mm. Subject to technical changes.

These moulded shapes are also available in the materials B7 and H, on request.

In addition, the moulded shapes can also be supplied with an inner coating from our range of hot-melt or epoxy adhesives.

a as supplied  
b recovered



## Heat Shrinkable moulded Shapes for plug-and-socket connectors

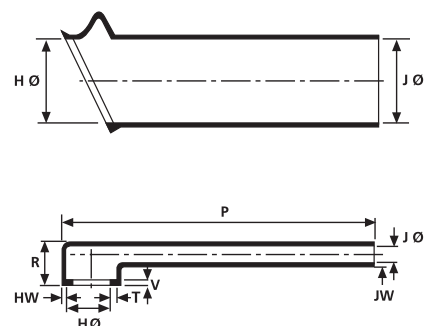
### • Helashrink Series 1100 - Right Angle

Right-angle, low profile shape with rib, VG/Mil style, often used on airborne harnesses to achieve low profile, compact strain relief and mechanical protection.

The photo below shows a shape style that provides connector strain relief and is used in applications of partially loaded connectors with small cable diameters.



1123-1-G Supplied and recovered.



Technical Table

Article-No.	Type	Designation as per VG-Norm	H min a	H max b	J min a	J max b	P ±10%= overall length	R ± 10%	HW ± 20%	JW ± 20%	V ± 10%	T ± 10%
411-21180	<b>1121-1-G</b>	VG95343T06F001A	22.0	12.0	22.0	6.5	70.0	19.0	1.5	1.1	3.0	1.0
411-22180	<b>1122-1-G</b>	VG95343T06F002A	25.5	15.0	25.0	7.5	79.0	20.0	1.5	1.1	3.0	1.0
411-23180	<b>1123-1-G</b>	VG95343T06F003A	29.0	19.0	29.0	8.5	89.0	21.0	1.8	1.1	3.0	1.0
411-24180	<b>1124-1-G</b>	VG95343T06F004A	34.0	23.0	34.0	10.0	102.0	22.0	1.8	1.1	3.0	1.0
411-25180	<b>1125-1-G</b>	VG95343T06F005A	37.0	30.0	37.0	11.0	108.0	24.0	2.0	1.1	3.0	1.7
411-26180	<b>1126-1-G</b>	VG95343T06F006A	43.5	34.0	43.5	12.0	121.0	27.0	2.0	1.1	3.0	1.7
411-27180	<b>1127-1-G</b>	VG95343T06F007A	50.0	41.5	50.0	14.5	132.0	30.0	2.3	1.4	3.0	1.7
411-28180	<b>1128-1-G</b>	VG95343T06F008A	62.5	47.0	62.5	18.0	133.0	33.0	2.5	1.4	3.0	2.0
411-29180	<b>1129-1-G</b>	VG95343T06F009A	69.0	60.0	69.0	20.0	137.0	35.0	2.5	1.4	3.0	2.0
411-41180	<b>1141-1-G</b>	VG95343T06F010A	82.0	67.0	82.0	23.0	140.0	45.0	2.5	1.4	3.0	2.0

All dimensions in mm. Subject to technical changes.

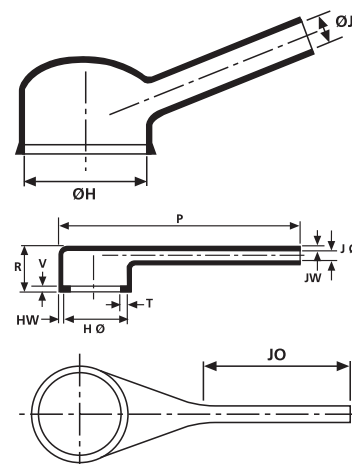
a as supplied  
b recovered

These moulded shapes are also available in the materials B7 and H, on request.

In addition, the moulded shapes can also be supplied with an inner coating from our range of hot-melt or epoxy adhesives.



1135-1-G Supplied and recovered.



Technical Table

Article-No.	Type	Designation as per VG-Norm	H min a	H max b	J min a	J max b	P ±10%= overall length	R ± 10%	JO ± 10%	HW ± 20%	JW ± 20%	V ± 10%	T ± 10%
411-33180	<b>1133-1-G</b>	VG95343T06F011A	19.0	13.0	6.0	2.0	44.0	16.3	21.8	1.5	1.1	3.0	1.0
411-34180	<b>1134-1-G</b>	VG95343T18H001A	26.0	19.0	7.5	2.5	67.0	18.0	29.2	1.8	1.1	3.0	1.0
411-35180	<b>1135-1-G</b>	VG95343T06F013A	34.0	26.0	9.5	3.0	81.0	18.8	35.3	1.8	1.1	3.0	1.0
411-36180	<b>1136-1-G</b>	VG95343T06F014A	43.5	34.0	11.5	3.5	116.0	21.3	47.0	1.8	1.1	3.0	1.7

All dimensions in mm. Subject to technical changes.

a as supplied  
b recovered

These moulded shapes are also available in the materials B7 and H, on request.

In addition, the moulded shapes can also be supplied with an inner coating or epoxy adhesives.