

**Right Angle Shapes, VG style**

- Helashrink 1100 Series, with rib

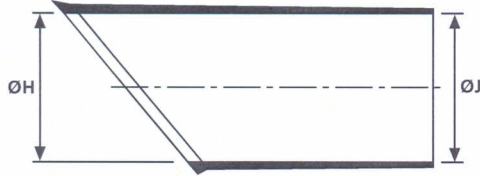
This style provides strain relief for harness systems when used in conjunction with a circular grooved adaptor. For VG shapes with portholes "P" please refer to product standards tables in the appendix.



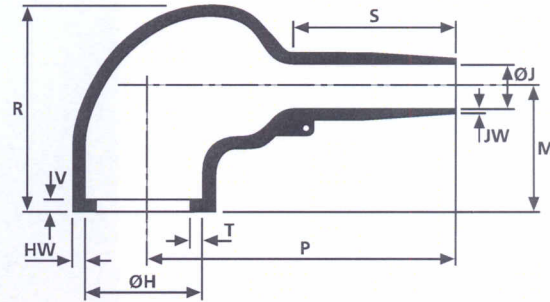
1152-4-G recovered onto a connector.



1155-4 supplied.



a: Expanded form (supplied)



b: Fully recovered form (after heating)

Sizes and Type Table

Type	Designation as per VG-Norm	ØH min. a	ØH max. b	ØJ min. a	ØJ max. b	P ± 10%	R ± 10%	HW ± 20%	JW ± 20%	V ± 10%	T ± 20%	M nom	S nom
1152-4	VG95343T06E001A	24.0	10.5	24.0	6.0	26.0	25.0	1.3	0.5	3.0	1.0	19.0	10.0
1154-4	VG95343T06E002A	30.0	15.5	30.0	6.0	32.0	27.0	1.5	0.8	3.0	1.0	19.0	12.0
1155-4	VG95343T06E003A	31.0	18.0	31.0	7.0	40.0	31.0	1.8	1.0	3.0	1.0	21.0	15.0
1156-4	VG95343T06E004A	36.0	22.5	36.0	8.5	46.0	38.0	1.8	1.0	3.0	1.0	26.0	15.0
1157-4	VG95343T06E005A	43.0	28.5	43.0	10.0	55.0	45.0	2.0	1.0	3.0	1.7	30.0	16.0
1158-4	VG95343T06E006A	60.0	35.0	60.0	16.0	80.0	54.0	3.3	1.5	3.0	1.7	35.0	30.0
1159-4	VG95343T06E007A	66.0	45.0	66.0	17.0	108.0	68.0	3.8	2.0	3.0	2.0	42.0	51.0
1160-4	VG95343T06E008A	82.0	61.0	82.0	25.0	118.0	84.0	4.0	4.0	3.0	2.0	52.0	39.0

All dimensions in mm. Subject to technical changes.

Combinations "On request"

Adhesive	Material					
	B7	G	J	H	B8	L
WM250	√	√	√	√	√	-
W8	√	√	√	√	-	-
W24	√	√	√	√	-	√
V9500	√	√	√	√	-	-
HMT200A	√	√	√	√	√	-
W21	-	-	√	√	-	-
Without Adhesive	√	√	√	√	√	√

Standard combinations

Article-No.	Type
411-52480	1152-4-G
411-54480	1154-4-G
411-55480	1155-4-G
411-56480	1156-4-G
411-57480	1157-4-G
411-58480	1158-4-G
411-59480	1159-4-G
411-60480	1160-4-G