



Heat Shrinkable Moulded Shapes

Product Guide



This selection guide will help you to find the correct moulded shape for your application:

Step 1. Product Style

Use the Selection Guide Overview on page 12 to quickly select a suitable product profile.

Step 2. Product Size

Choose the correct dimensions to meet your application from our sizes and types table which appears on the relevant product profile page.

An example of these tables is shown below:

TYPE	ØH min. a	ØH max. b	ØJ min. a	ØJ max. b	P ± 10%	R ± 15%	T ± 0.8	JO ± 10%	HW ± 1.5	JW ± 0.8	S ± 1.5
313F322	23.8 (.93")	9.9 (.39")	17.2 (.67")	6.6 (.26")	105.9 (4.13")	11.6 (.45")	1.3 (.05")	86.3 (3.37")	1.5 (.06")	1.5 (.06")	1.5 (.06")
313F332	27.1 (1.06")	13.2 (.51")	20.8 (.81")	7.6 (.30")	121.1 (4.72")	12.1 (.47")	1.3 (.05")	98.5 (3.84")	1.5 (.06")	1.5 (.06")	1.5 (.06")

Step 3. Material/ Adhesive

Choose a material and adhesive to meet your application requirements from the tables on page 14/15.

Further combinations are available.

Here is an example:

Combinations "On request"			
Adhesive	Material		
	9	8	6
TSA-200	•	•	•
-450	•	-	•
-250	•	-	•
W24	•	-	•
V9500	•	•	•
HMT200A	•	•	•
Without Adhesive	•	•	•

These symbols denote the material or adhesive availability for each profile type. In this example the adhesive W24 is not available with the material 8 because of the "-".

But it is available with the material 9 and 6 because of the "•".

3.1 Material

Parts can be supplied in a choice of materials. The "combinations" table on each product page provides a quick and easy material recognition guide for the product profiled.

On page 14 you will find detailed information on our range of materials.

3.2 Adhesive

To maximise environmental protection and strain relief we recommend the use of an adhesive from our range below.

Pre-lined hot melt adhesive:

- WM250
- W
- W2
- W8
- W21

Component adhesive:

- HMT200A
- W24
- V9500
- TSA-200

For further information on adhesives please refer to page 15.

Step 4. Standard combinations

Standard Combinations	
Type	Article Number
217-2-B7	402-17014
218-2-B7	402-18020
219-2-B7W	402-19039
220-1-B7	402-20008
216-3-B7	402-16057

To help you with your decision we offer standard combinations for each product type.

In this example we offer the Type 219-2 in B7 material and with the adhesive W.

5. Special Modifications

Filler ports and drain holes are also available where the injection of potting epoxy is required.

P = Filler ports for potting – 3mm Ø vent and 4.5mm Ø filler.

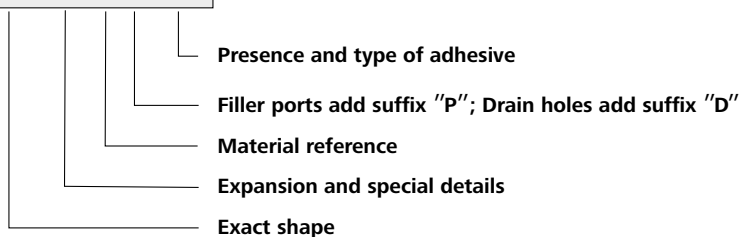
D = Drain holes for offset – 3mm Ø at H end equally spaced 90° apart.

6. Ordering Procedure

When ordering heat shrinkable shapes, it is necessary to give a complete part number to enable efficient processing of your order. Part numbers can be made up of the following typical components:

Example:

1 5 4 - 4 2 - G - P - W 8





2-Way Outlet Shapes, VG style

Helashrink 200 Series

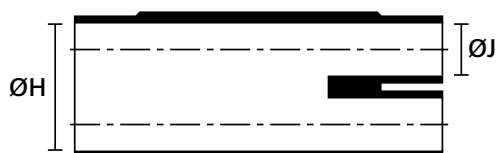
- Mechanical tension relief in cable harnesses



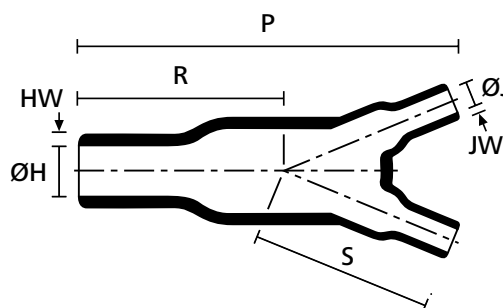
For Material / Adhesive selection and other information please refer to page 10.



203-1 supplied / fully recovered.



a: Expanded form (supplied)



b: Fully recovered form (after heating)

TYPE	Designation as per AS/VG-Norm	ØH min. a	ØH max. b	ØJ min. a	ØJ max. b	P ± 10%	R ± 10%	HW ± 20%	JW nom.	S nom.
203-1	AS85049/14206HU	27.0 (1.05")	12.0 (.47")	13.0 (.51")	6.0 (.23")	80.0 (3.15")	43.0 (1.68")	2.5 (.1")	1.5 (.06")	43.0 (1.68")
	VG 95343 T08 C 002 A									
204-1	AS85049/14207HU	39.0 (1.52")	18.0 (.7")	27.0 (1.05")	12.0 (.47")	66.0 (2.57")	81.0 (3.16")	3.1 (.12")	2.0 (.08")	81.0 (3.16")
	VG 95343 T08 C 003 A									
206-1	AS85049/14205HU	13.0 (.51")	6.0 (.23")	7.0 (.27")	3.0 (.12")	41.0 (1.62")	19.0 (.74")	1.5 (.06")	1.0 (.04")	19.0 (.74")
	VG 95343 T08 C 001 A									
212-1	VG 95343 T08 C 005 A	14.5 (.57")	8.0 (.31")	8.5 (.33")	5.5 (.21")	82.6 (3.22")	83.0 (3.24")	2.3 (.09")	2.0 (.08")	63.0 (2.46")
213-1		17.3 (.67")	7.9 (.31")	11.1 (.43")	7.9 (.31")	140.0 (5.46")	83.1 (3.24")	2.3 (.09")	1.0 (.04")	64.0 (2.5")
213-2		40.0 (1.56")	8.5 (.33")	31.8 (1.24")	7.9 (.31")	140.0 (5.46")	83.1 (3.24")	2.3 (.09")	2.3 (.09")	64.0 (2.5")

Dimensions in mm, inches in brackets. Subject to technical changes.

Combinations "On request"					
Adhesive	Material				
	B7	G	J	H	L
WM250	•	•	•	•	-
W8	•	•	•	•	-
W24	•	•	•	•	•
W21	-	-	-	•	-
HMT200A	•	•	•	-	-
V9500	•	•	•	-	•
Without Adhesive	•	•	•	•	•

Standard Combinations	
Type	Article Number
203-1-G	402-03180
204-1-G	402-04180
206-1-G	402-06180
212-1-G	402-12180
213-1-G	402-13180
213-2-G	402-13021



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Hilltop Products Ltd - www.hilltop-products.co.uk - Tel: +44 1942 723101 - Email: sales@hilltop-products.co.uk