



Heat Shrinkable Moulded Shapes for Plug-and-Socket Connectors

• Helashrink Series 100 - Straight

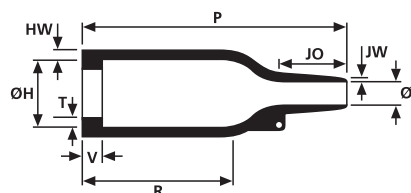
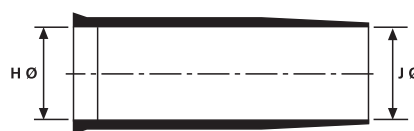
Straight plug-and-socket connector terminal casing. This style is used in conjunction with circular grooved adaptor, providing protection against environmental stresses. The inside lip has been designed to provide extra reinforced stress relief. Special fitting 199-4-G for audio plugs has external ribs for an improved grip.



Recovered 199-4-G, VG style shape for small audio connectors with external ribs for improved grip.



150 series boot recovered on to 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%	JO ± 10%	HW ± 20%	JW ± 20%	V ± 10%	T ± 20%
401-52780	152-41-G	VG 95343 T06 A 001 A	24.0	10.5	24.0	6.0	26.0	9.0	10.0	1.6	0.5	3.0	1.0
401-52880	152-42-G	VG 95343 T06 B 001 A	24.0	10.5	24.0	6.0	38.0	21.0	10.0	1.6	0.5	3.0	1.0
401-53780	153-41-G	VG 95343 T06 A 002 A	25.0	14.0	9.0	3.5	40.0	13.0	16.0	1.8	0.5	3.0	1.0
401-53880	153-42-G	VG 95343 T06 B 002 A	25.0	14.0	9.0	3.5	55.0	28.0	16.0	1.8	0.5	3.0	1.0
401-54780	154-41-G	VG 95343 T06 A 003 A	30.0	14.0	30.0	6.0	43.0	20.0	13.0	1.8	1.0	3.0	1.0
401-54880	154-42-G	VG 95343 T06 B 003 A	30.0	14.0	30.0	6.0	55.0	32.0	13.0	1.8	1.0	3.0	1.0
401-55780	155-41-G	VG 95343 T06 A 004 A	31.0	18.0	31.0	7.0	47.0	15.0	18.0	1.8	1.0	3.0	1.0
401-55880	155-42-G	VG 95343 T06 B 004 A	31.0	18.0	31.0	7.0	67.0	35.0	18.0	1.8	1.0	3.0	1.0
401-56780	156-41-G	VG 95343 T06 A 005 A	36.0	22.5	36.0	8.5	60.0	22.0	20.0	2.0	1.0	3.0	1.0
401-56880	156-42-G	VG 95343 T06 B 005 A	36.0	22.5	36.0	8.5	80.0	42.0	20.0	2.0	1.0	3.0	1.0
401-57780	157-41-G	VG 95343 T06 A 006 A	43.0	28.0	43.0	10.0	60.0	21.0	20.0	2.2	1.0	3.0	1.7
401-57880	157-42-G	VG 95343 T06 B 006 A	43.0	28.0	43.0	10.0	79.0	41.0	20.0	2.2	1.0	3.0	1.7
401-57980	157-43-G	VG 95343 T06 C 001 A	43.0	28.0	43.0	10.0	99.0	61.0	20.0	2.2	1.0	3.0	1.7
401-58780	158-41-G	VG 95343 T06 A 007 A	60.0	35.0	60.0	16.0	90.0	32.0	38.0	3.2	1.5	3.0	1.7
401-58880	158-42-G	VG 95343 T06 B 007 A	60.0	35.0	60.0	16.0	110.0	52.0	38.0	3.2	1.5	3.0	1.7
401-58980	158-43-G	VG 95343 T06 C 002 A	60.0	35.0	60.0	16.0	130.0	72.0	38.0	3.2	1.5	3.0	1.7
401-59780	159-41-G	VG 95343 T06 A 008 A	66.0	45.0	66.0	17.0	130.0	50.0	50.0	3.8	2.0	3.0	2.0
401-59880	159-42-G	VG 95343 T06 B 008 A	66.0	45.0	66.0	17.0	150.0	70.0	50.0	3.8	2.0	3.0	2.0
401-59980	159-43-G	VG 95343 T06 C 003 A	66.0	45.0	66.0	17.0	171.0	90.0	50.0	3.8	2.0	3.0	2.0
401-60780	160-41-G	VG 95343 T06 A 009 A	82.0	58.0	82.0	27.0	137.0	37.0	62.0	3.8	3.8	3.0	2.0
401-60880	160-42-G	VG 95343 T06 B 009 A	82.0	58.0	82.0	27.0	158.0	58.0	62.0	3.8	3.8	3.0	2.0
401-60980	160-43-G	VG 95343 T06 C 004 A	82.0	58.0	82.0	27.0	213.0	113.0	62.0	3.8	3.8	3.0	2.0
401-99480	199-4-G	VG 95343 T06 A 010 A	17.5	14.0	7.0	4.3	70.0	35.0	20.0	1.8	0.5	1.5	1.0
401-13180	113-1-G	–	10.7	7.9	4.6	2.0	25.4	14.5	4.6	1.3	1.0	–	1.0
401-13480	113-4-G	–	10.7	7.9	4.6	2.0	25.4	14.5	4.6	1.3	1.0	3.0	1.0

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 or epoxy adhesives.

a as supplied
b recovered



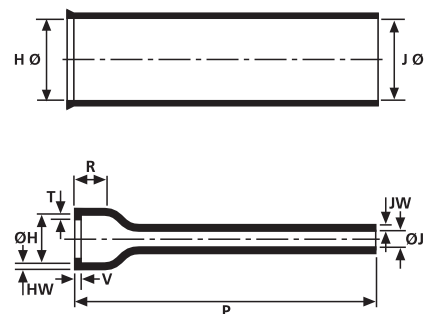
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• Helashrink Series 100 - Straight

Straight plug-and-socket connector terminal casing has protection against environmental stresses for circular plug connectors, according to VG. The inside lip is used for a reinforced stress relief.



135-1-G as supplied / fully 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%
401-29180	129-1-G	VG95343T06D001A	22.0	12.0	22.0	6.5	76.0	12.0	1.5	1.1	3.0	1.0
401-30180	130-1-G	VG95343T06D002A	25.5	15.0	25.5	7.5	83.0	12.0	1.5	1.1	3.0	1.0
401-31180	131-1-G	VG95343T06D003A	29.0	19.0	29.0	8.5	89.0	12.0	1.8	1.1	3.0	1.0
401-32180	132-1-G	VG95343T06D004A	34.0	23.0	34.0	10.0	102.0	12.0	1.8	1.1	3.0	1.0
401-33180	133-1-G	VG95343T06D005A	37.0	30.0	37.0	11.0	108.0	14.0	2.0	1.1	3.0	1.7
401-34180	134-1-G	VG95343T06D006A	43.5	34.0	43.5	12.0	114.0	15.0	2.0	1.1	3.0	1.7
401-35180	135-1-G	VG95343T06D007A	50.0	41.0	50.0	14.5	118.0	15.0	2.3	1.4	3.0	1.7
401-36180	136-1-G	VG95343T06D008A	62.5	47.0	62.5	18.0	121.0	16.0	2.5	1.4	3.0	2.0
401-38180	138-1-G	VG95343T06D009A	69.0	60.0	69.0	20.0	127.0	16.0	2.5	1.4	3.0	2.0
401-87180	187-1-G	VG95343T06D010A	81.5	67.0	81.5	23.0	133.0	16.0	2.5	1.4	3.0	2.0

All dimensions in mm. Subject to technical changes.

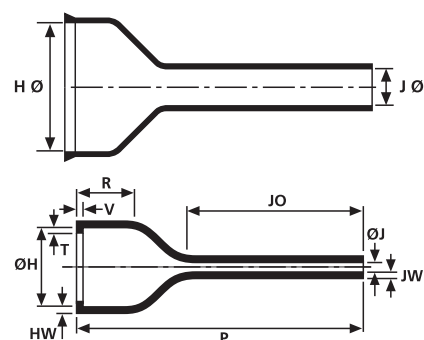
These moulded shapes are also available in various materials from our range, eg, B7, H, Land J on request.

In addition, the moulded shapes can also be supplied with an inner coating from our range of hot-melt and epoxy adhesives, eg, W24, W1, W8 and WM250.

a as supplied
b recovered



177-1-G as supplied / fully 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%
401-76180	176-1-G	VG95343T06D011A	19.3	13.0	6.3	2.1	60.0	11.7	37.6	1.5	1.1	3.1	1.0
401-77180	177-1-G	VG95343T06D012A	26.1	19.1	7.6	2.6	74.0	12.2	45.0	1.8	1.1	3.1	1.0
401-78180	178-1-G	VG95343T06D013A	34.2	26.0	9.6	3.1	84.0	12.2	51.1	1.8	1.1	3.1	1.0
401-79180	179-1-G	VG95343T06D014A	43.6	34.1	11.4	3.6	100.0	12.2	60.0	1.8	1.1	3.1	1.7

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