

Push-on Caps and Elbow Grommets

Features and Benefits

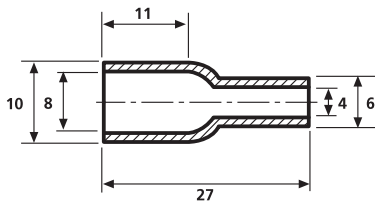
The push-on caps and elbow grommets are flexible and easy to apply. They offer highly effective protection against spraying water.

Application

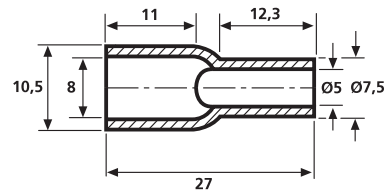
The protective push-on caps and elbow grommets are specially constructed to insulate and protect flat pin bushings. The caps and grommets are used in all areas of automotive electronics and in electrical connection systems.



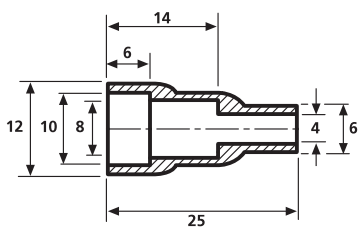
Push-on caps and elbow grommets in various dimensions.



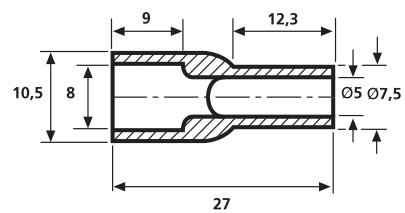
HV4819



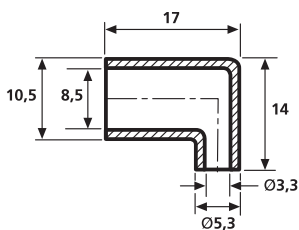
HV4822



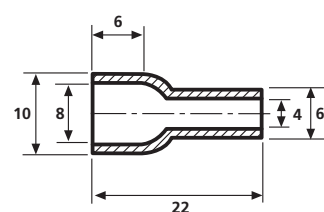
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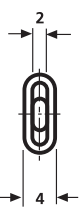
HV4823

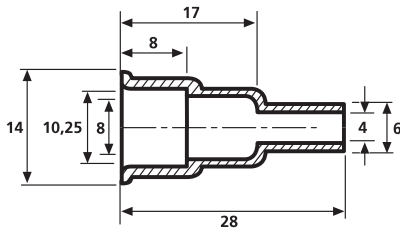


HV4821

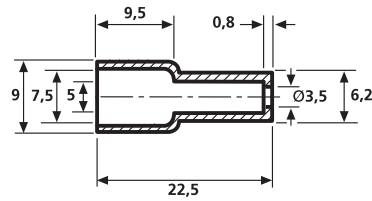
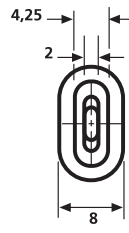


HV4824

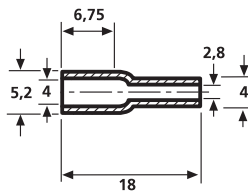




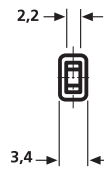
HV4825



OP4827



OP4828



Material Data

RoHS	Material	Polyethylene (PE), Cadmium free
	Flammability	UL94 HB
	Operating Temperature	-10 °C to +70 °C
	Shore Hardness A	Nom. 45



Material Data

RoHS	Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
	Flammability	UL94 V2
	Operating Temperature	-30 °C to +60 °C
	Shore Hardness A	60±5

Technical Table

Article-No.	Type	Material	Colour
631-08190	HV4819	PVC	Black (BK)
631-08199	HV4819	PVC	Natural (NA)
631-08200	HV4820	PVC	Black (BK)
631-08209	HV4820	PVC	Natural (NA)
631-08210	HV4821	PVC	Black (BK)
631-08219	HV4821	PVC	Natural (NA)
631-08220	HV4822	PVC	Black (BK)
631-08229	HV4822	PVC	Natural (NA)
631-08230	HV4823	PVC	Black (BK)
631-08239	HV4823	PVC	Natural (NA)
631-08240	HV4824	PVC	Black (BK)
631-08249	HV4824	PVC	Natural (NA)
631-08259	HV4825	PVC	Natural (NA)
631-58279	OP4827	PE	Natural (NA)
631-58289	OP4828	PE	Natural (NA)

All dimensions in mm. Subject to technical changes.

Bend Protection Grommets

Features and Benefits

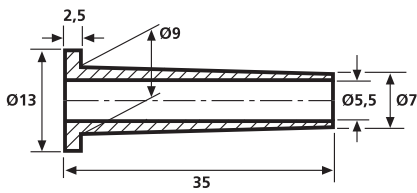
HellermannTyton strain protection grommets are made of flexible PVC and non-migrating Helvin. They have excellent insulating properties and are resistant to chemicals.

Application

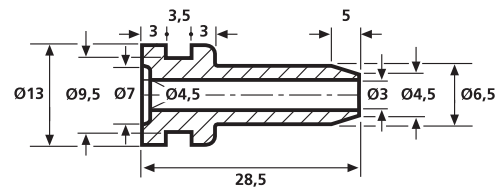
Bend protection grommets are typically used for protection of cables at apertures in casings.



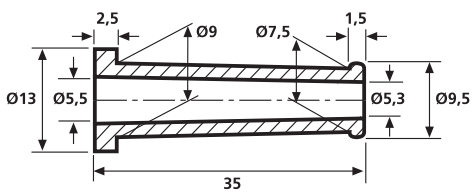
Protection of cables and routing free of kinks and breakage.



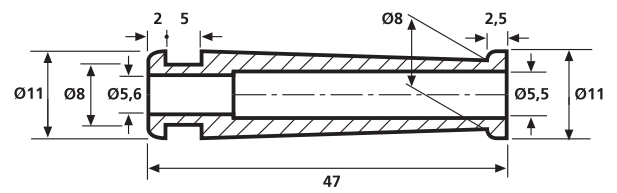
HV2101



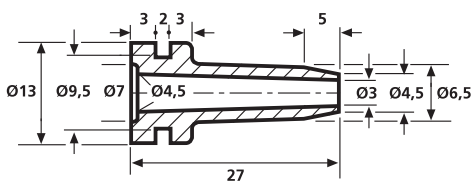
HV2104



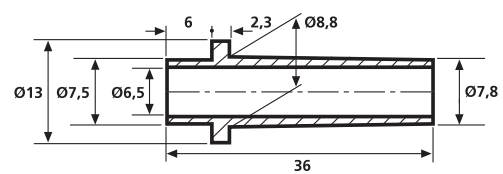
HV2101A



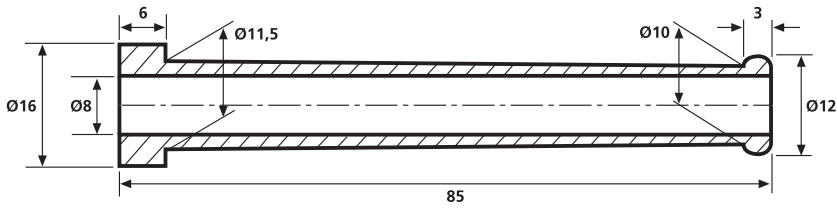
HV2206



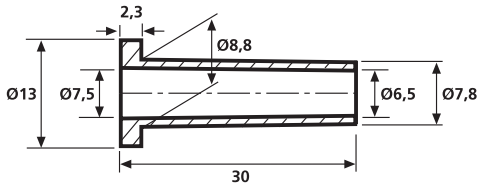
HV2103



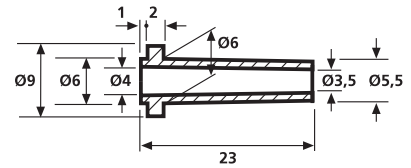
HV2209



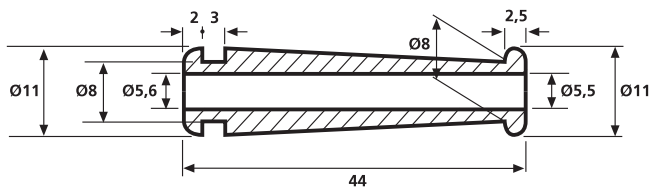
HV2107



HV2210



HV2213




HV2228

Technical Table

Article-No.	Type	Material	Colour
632-01010	HV2101	PVC	Black (BK)
632-01017	HV2101	PVC	Grey (GY)
632-01019	HV2101	PVC	White (WH)
632-01020	HV2101A	PVC	Black (BK)
632-01028	HV2101A	PVC	Grey (GY)
632-01029	HV2101A	PVC	White (WH)
632-01030	HV2103	PVC	Black (BK)
632-01040	HV2104	PVC	Black (BK)
632-01048	HV2104	PVC	Grey (GY)
632-01070	HV2107	PVC	Black (BK)
632-01079	HV2107	PVC	White (WH)
632-02060	HV2206	PVC	Black (BK)
632-02090	HV2209	PVC	Black (BK)
632-02100	HV2210	PVC	Black (BK)
632-02109	HV2210	PVC	White (WH)
632-02130	HV2213	PVC	Black (BK)
632-02139	HV2213	PVC	White (WH)
632-02280	HV2228	PVC	Black (BK)
632-02288	HV2228	PVC	Grey (GY)

All dimensions in mm. Subject to technical changes.

Material Data

	Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
	Flammability	UL94 V2
	Operating Temperature	-30 °C to +60 °C
	Shore Hardness A	60±5

Strain Protection Grommets

Features and Benefits

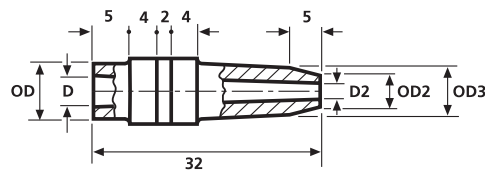
HellermannTyton strain protection grommets are made of flexible PVC and low migrating Helvin. They have excellent insulating properties and are resistant to chemicals.

Application

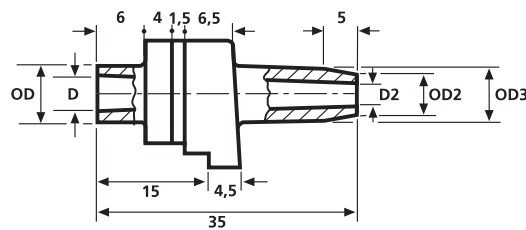
Straining protection grommets are used as protection for cables and wires from pulling. They are also used for bend protection in casing apertures. They are especially useful in electrical equipment, for instance in electrical drills.



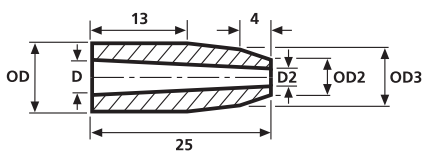
Bend and strain protection on casings.



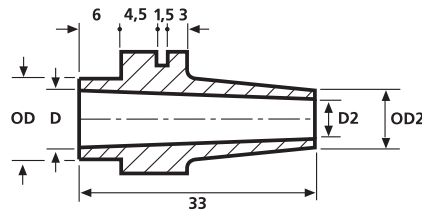
H119



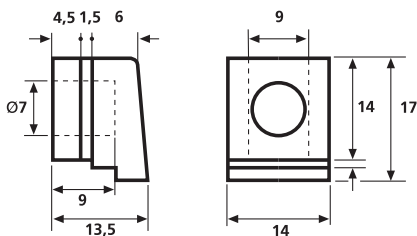
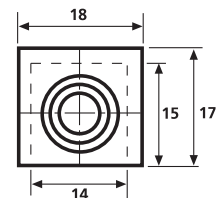
H120/H122



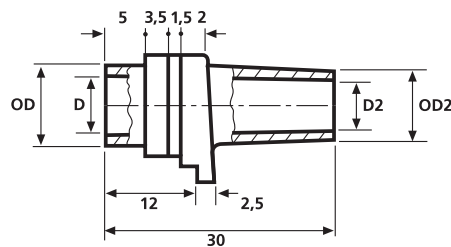
H3A/H3B



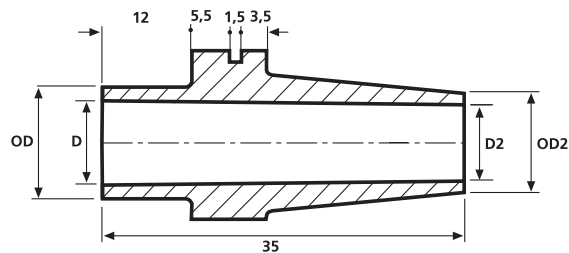
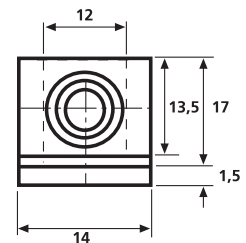
H121



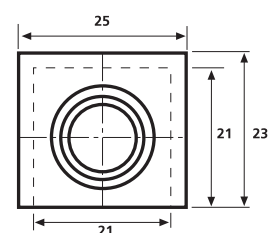
H4202

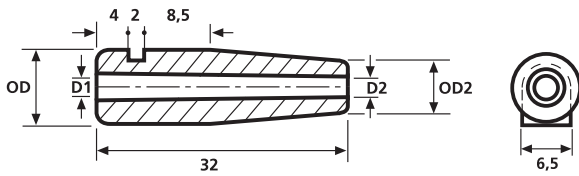


H123

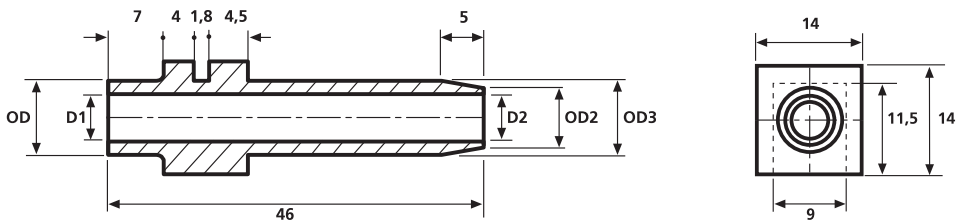


H221





H125/H126



H321

Material Data

	Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
	Flammability	UL94 V2
	Operating Temperature	-30 °C to +60 °C
	Shore Hardness A	60±5

Material Data

	Material	Helvin 243/3 (HV), cadmium free
	Flammability	UL94 V2
	Operating Temperature	-30 °C to +60 °C
	Shore Hardness A	60±5
	Chem. Material Properties	low migration

Technical Table

Article-No.	Type	Outside Ø (OD)	Outside Ø (OD2)	Outside Ø (OD3)	Ø D	Ø D2	Material	Colour	
634-00310	H3A	9.0	5.0	8.0	4.5	3.0	PVC	Black (BK)	
634-00320	H3B	9.0	6.0	8.0	5.5	4.0	PVC	Black (BK)	
634-01190	H119	7.0	4.5	6.5	4.5	3.0	PVC	Black (BK)	
634-01200	H120	8.0	6.0	8.0	4.5	3.0	PVC	Black (BK)	
634-01210	H121	11.0	8.5	–	8.0	7.0	PVC	Black (BK)	
634-01230	H123	11.0	10.0	–	8.0	7.0	PVC	Black (BK)	
634-02210	H221	15.0	13.0	–	12.0	10.5	PVC	Black (BK)	
634-03210	H321	8.5	7.0	8.5	6.0	5.5	PVC	Black (BK)	
634-04200	H4202	see drawing						PVC	Black (BK)
634-31250	H125	9.0	6.0	–	4.0	3.5	HV	Black (BK)	
634-31258	H125	9.0	6.0	–	4.0	3.5	HV	Grey (GY)	
634-31260	H126	9.0	6.0	–	5.0	4.5	HV	Black (BK)	
634-31268	H126	9.0	6.0	–	5.0	4.5	HV	Grey (GY)	
634-33218	H321	8.5	7.0	8.5	6.0	5.5	HV	Grey (GY)	

All dimensions in mm. Subject to technical changes.

Edge Protection Grommets

Features and Benefits


HellermannTyton edge protection grommets, made of cadmium-free, flexible PVC or Polyethylene, come in a wide range of shapes and sizes. They are resistant to various minerals and environmental effects.

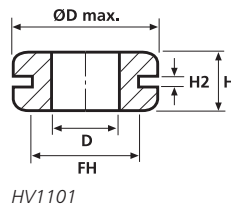
Application

Edge protection grommets are used wherever cable and wires are routed through outlets and apertures. HellermannTyton grommets offer excellent mechanical protection.

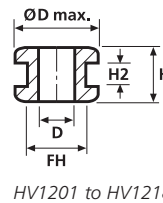


Edge protection grommets.

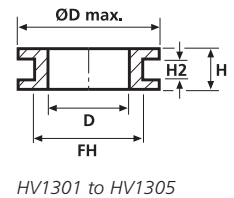
Material Data	
 Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
Flammability	UL94 V2
Operating Temperature	-30 °C to +60 °C
Shore Hardness A	56±5



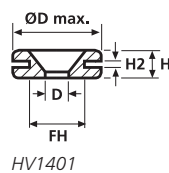
HV1101



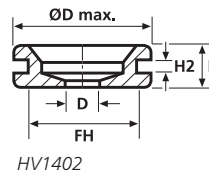
HV1201 to HV1218



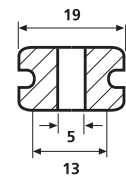
HV1301 to HV1305



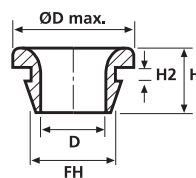
HV1401



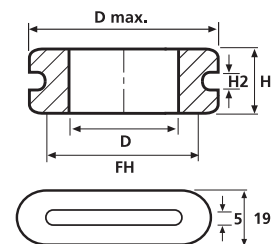
HV1402



HV1606 to HV1608



HV1502 and OP1503



Edge Protection Grommets



Edge protection grommets.

Technical Table

Article-No.	Type	Ø D max.	Fixing Hole Ø (FH)	Ø D	Height (H)	Height (H2)	Material	Colour
633-01010	HV1101	25.5	19.0	12.0	10.0	1.6	PVC	Black (BK)
633-02010	HV1201	9.5	6.4	4.0	5.6	1.6	PVC	Black (BK)
633-02020	HV1201B	9.5	6.4	4.0	6.5	2.5	PVC	Black (BK)
633-02030	HV1203	17.5	12.0	10.0	6.8	2.0	PVC	Black (BK)
633-02040	HV1204	17.5	12.0	10.0	8.8	4.0	PVC	Black (BK)
633-02050	HV1205	17.5	13.5	10.0	8.7	4.0	PVC	Black (BK)
633-02060	HV1206	17.5	12.0	10.0	10.8	6.0	PVC	Black (BK)
633-02070	HV1207	14.0	10.0	6.0	6.4	1.5	PVC	Black (BK)
633-02080	HV1208	14.0	9.5	8.0	8.0	1.5	PVC	Black (BK)
633-02089	HV1208	14.0	9.5	8.0	8.0	1.5	PVC	White (WH)
633-02090	HV1209	11.0	9.0	4.0	5.5	1.5	PVC	Black (BK)
633-02100	HV1210	15.0	9.0	6.0	10.5	2.0	PVC	Black (BK)
633-02120	HV1212	9.0	6.0	4.0	7.0	1.0	PVC	Black (BK)
633-02150	HV1215	10.0	8.0	6.0	5.0	1.0	PVC	Black (BK)
633-02160	HV1216	14.5	8.0	5.0	6.5	1.5	PVC	Black (BK)
633-02180	HV1218	14.0	10.0	6.0	9.0	4.0	PVC	Black (BK)
633-03010	HV1301	15.9	11.0	8.0	7.0	1.0	PVC	Black (BK)
633-03019	HV1301	15.9	11.0	8.0	7.0	1.0	PVC	White (WH)
633-03020	HV1302	15.9	11.0	8.0	9.0	3.0	PVC	Black (BK)
633-03030	HV1303	15.9	11.0	8.0	6.4	1.6	PVC	Black (BK)
633-03040	HV1304	15.9	11.0	8.0	10.8	6.0	PVC	Black (BK)
633-03050	HV1305	24.0	18.0	14.0	7.0	3.0	PVC	Black (BK)
633-03059	HV1305	24.0	18.0	14.0	7.0	3.0	PVC	White (WH)
633-04010	HV1401	15.9	9.5	5.0	4.8	0.8	PVC	Black (BK)
633-04020	HV1402	23.0	18.5	6.0	7.0	2.0	PVC	Black (BK)
633-06068	HV1606	31.0	25.0	17.0	11.0	3.0	PVC	Grey (GY)
633-06078	HV1607	43.0	37.0	29.0	11.0	3.0	PVC	Grey (GY)
633-06088	HV1608	58.0	52.0	44.0	11.0	3.0	PVC	Grey (GY)
633-05020	HV1502	11.5	8.0	6.5	8.0	1.5	PVC	Black (BK)

All dimensions in mm. Subject to technical changes.