



**Push-on Caps**

**Features and Benefits**

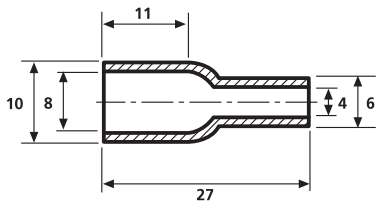
The push-on caps and elbow grommets are flexible and easy to apply. They offer highly effective protection against spraying water.

**Application**

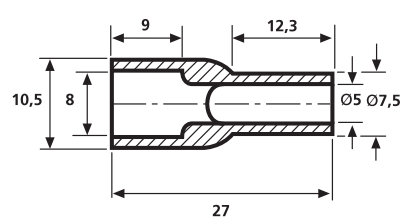
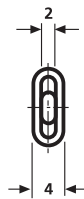
The protective push-on caps and elbow grommets are specially constructed to insulate and protect flat pin bushings. The caps and grommets are used in all areas of automotive electronics and in electrical connection systems.



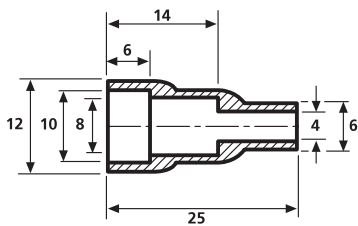
Push-on caps and elbow grommets in various dimensions.



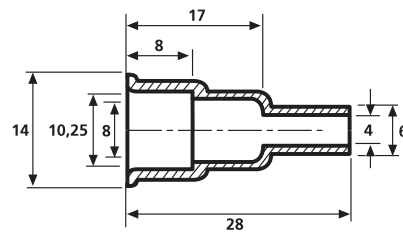
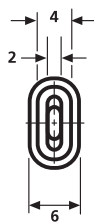
HV4819



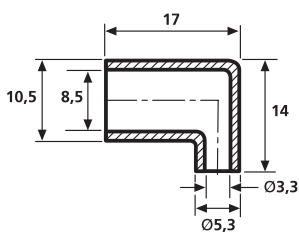
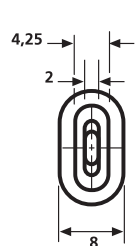
HV4823



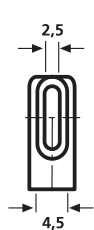
HV4820



HV4825



HV4821





## Push-on Caps Elbow Grommets

### Material Data

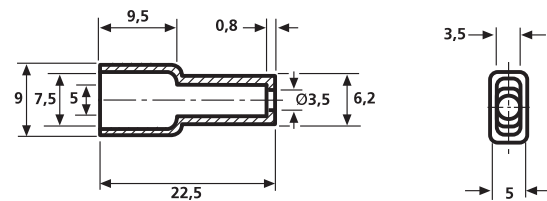
Material	<b>Flexible Polyvinyl Chloride, cadmium free (PVC)</b>
Flammability	<b>UL94 V2</b>
Operating Temperature	<b>-30 °C to +60 °C</b>
Shore Hardness A	<b>60±5</b>



### Technical Table

Article-No.	Type	Colour
631-08190	<b>HV4819</b>	Black (BK)
631-08199	<b>HV4819</b>	Natural (NA)
631-08200	<b>HV4820</b>	Black (BK)
631-08209	<b>HV4820</b>	Natural (NA)
631-08210	<b>HV4821</b>	Black (BK)
631-08219	<b>HV4821</b>	Natural (NA)
631-08230	<b>HV4823</b>	Black (BK)
631-08239	<b>HV4823</b>	Natural (NA)
631-08259	<b>HV4825</b>	Natural (NA)

All dimensions in mm. Subject to technical changes.



OP4827

### Material Data

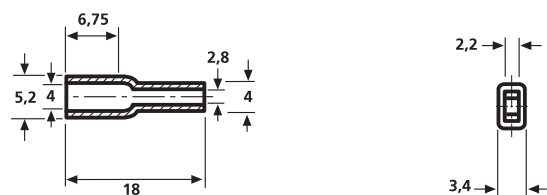
Material	<b>Polyethylene (PE), Cadmium free</b>
Flammability	<b>UL94 HB</b>
Operating Temperature	<b>-10 °C to +70 °C</b>
Shore Hardness A	<b>Nom. 45</b>



### Technical Table

Article-No.	Type	Colour
631-58279	<b>OP4827</b>	Natural (NA)
631-58289	<b>OP4828</b>	Natural (NA)

All dimensions in mm. Subject to technical changes.



OP4828



**Bend Protection Grommets**

**Features and Benefits**

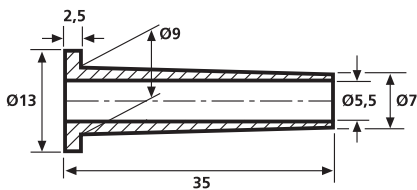
HellermannTyton strain protection grommets are made of flexible PVC and non-migrating Helvin. They have excellent insulating properties and are resistant to chemicals.

**Application**

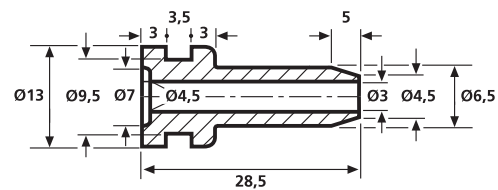
Bend protection grommets are typically used for protection of cables at apertures in casings.



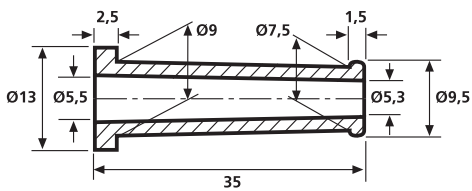
Protection of cables and routing free of kinks and breakage.



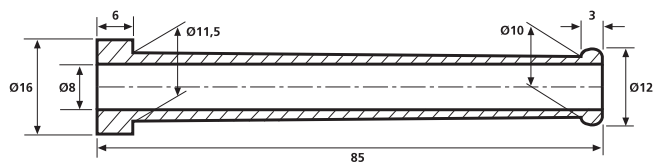
HV2101



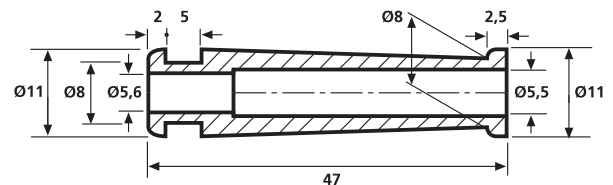
HV2104



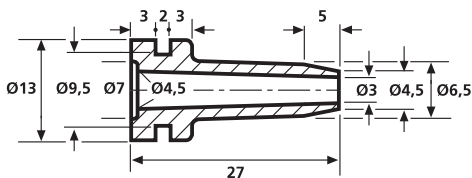
HV2101A



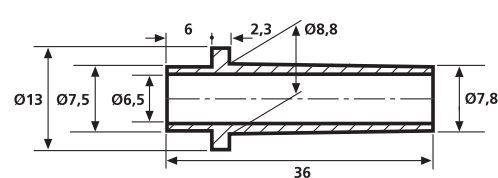
HV2107



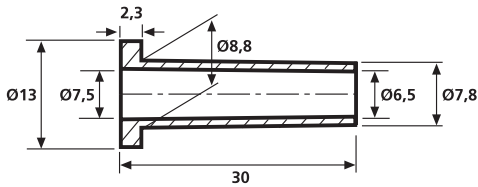
HV2206



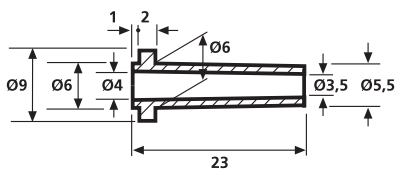
HV2103



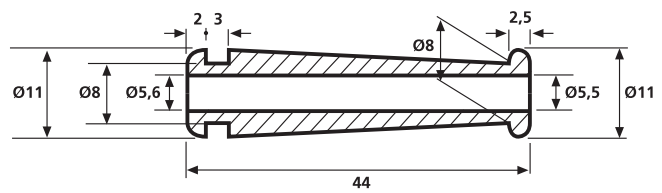
HV2209



HV2210



HV2213



HV2228

## Material Data

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	Colour
632-01010	HV2101	Black (BK)
632-01017	HV2101	Grey (GY)
632-01019	HV2101	White (WH)
632-01020	HV2101A	Black (BK)
632-01028	HV2101A	Grey (GY)
632-01030	HV2103	Black (BK)
632-01040	HV2104	Black (BK)
632-01070	HV2107	Black (BK)
632-02060	HV2206	Black (BK)
632-02090	HV2209	Black (BK)
632-02100	HV2210	Black (BK)
632-02109	HV2210	White (WH)
632-02130	HV2213	Black (BK)
632-02280	HV2228	Black (BK)

All dimensions in mm. Subject to technical changes.



### Strain Protection Grommets

#### Features and Benefits

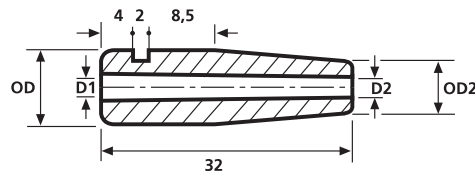
HellermannTyton strain protection grommets are made of flexible PVC and low migrating Helvin. They have excellent insulating properties and are resistant to chemicals.

#### Application

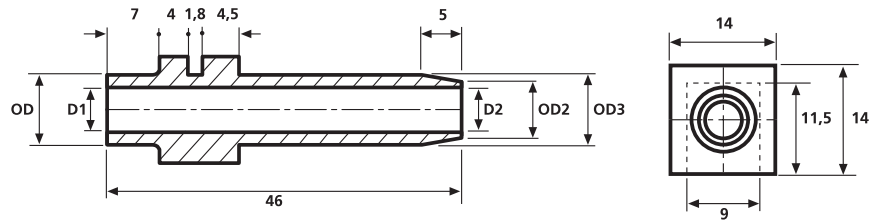
Straining protection grommets are used as protection for cables and wires from pulling. They are also used for bend protection in casing apertures. They are especially useful in electrical equipment, for instance in electrical drills.



Bend and strain protection on casings.



H125/H126



H321

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



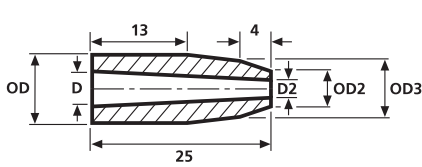
#### Technical Table

Article-No.	Type	Outside Ø (OD)	Outside Ø (OD2)	Outside Ø (OD3)	Ø D	Ø D2	Colour
634-31250	H125	9.0	6.0	–	4.0	3.5	Black (BK)
634-31260	H126	9.0	6.0	–	5.0	4.5	Black (BK)
634-31268	H126	9.0	6.0	–	5.0	4.5	Grey (GY)
634-33218	H321	8.5	7.0	8.5	6.0	5.5	Grey (GY)

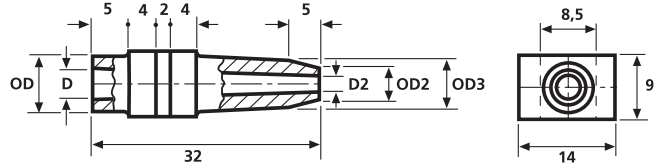
All dimensions in mm. Subject to technical changes.



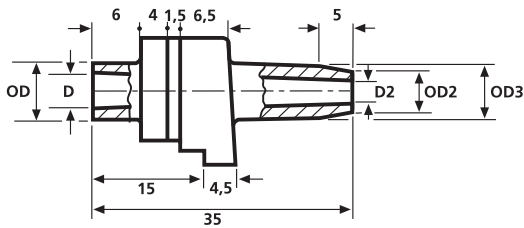
Strain Protection Grommets



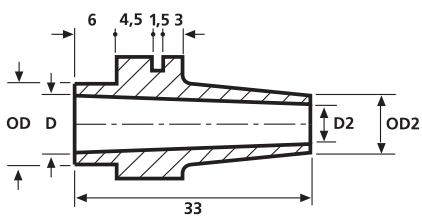
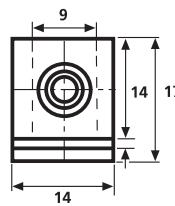
H3A



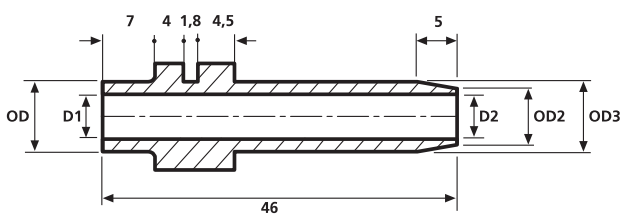
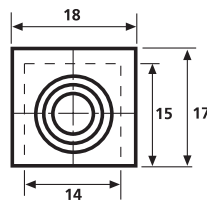
H119



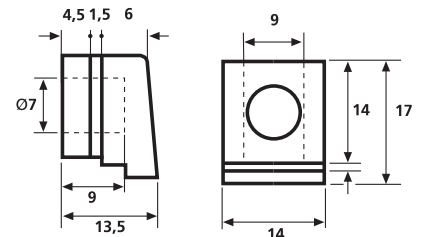
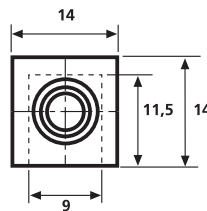
H120



H121



H321



H4202

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



Technical Table							
Article-No.	Type	Outside Ø (OD)	Outside Ø (OD2)	Outside Ø (OD3)	Ø D	Ø D2	
634-00310	H3A	9.0	5.0	8.0	4.5	3.0	
634-01190	H119	7.0	4.5	6.5	4.5	3.0	
634-01200	H120	8.0	6.0	8.0	4.5	3.0	
634-01210	H121	11.0	8.5	–	8.0	7.0	
634-03210	H321	8.5	7.0	8.5	6.0	5.5	
634-04200	H4202	see drawing					

All dimensions in mm. Subject to technical changes.



### Edge protection grommets

#### Features and Benefits

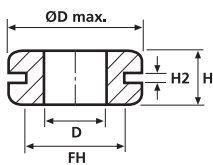
HellermannTyton edge protection grommets, made of cadmium-free, flexible PVC or Polyethylene, come in a wide range of shapes and sizes. They are resistant to various minerals and environmental effects.

#### Application

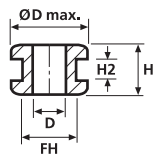
Edge protection grommets are used wherever cable and wires are routed through outlets and apertures. HellermannTyton grommets offer excellent mechanical protection.



HV1201 to HV1218.

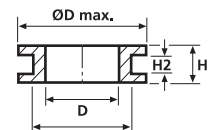


HV1101

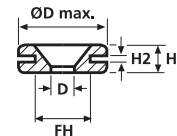


HV1201 to HV1218

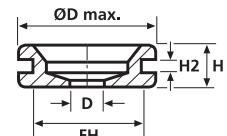
Material Data	
Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
Flammability	UL94 V2
Operating Temperature	-30 °C to +60 °C
Shore Hardness A	56±5



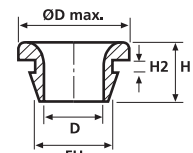
HV1301 to HV1305



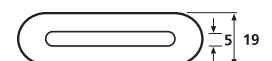
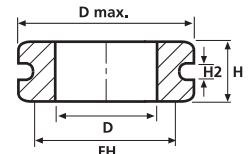
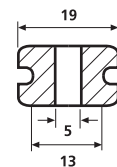
HV1401



HV1402



HV1502



HV1606 to HV1608

Technical Table

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

All dimensions in mm. Subject to technical changes.





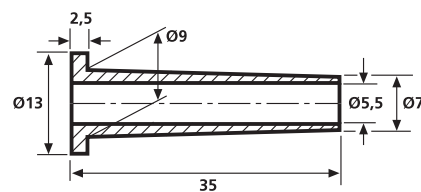
## Set for Bend and Edge Protection

### • HOT Kit

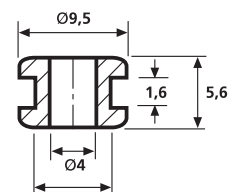
The practical mix of grommets for construction, repairs and home improvement.



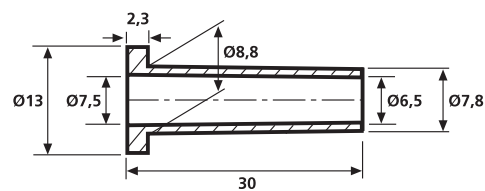
Small, but practical - the HOT Grommet Kit.



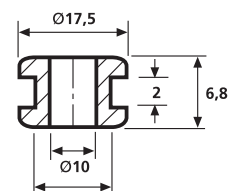
HV2101



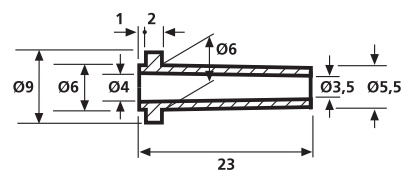
HV1201



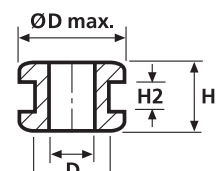
HV2210



HV1203



HV2213



HV1208

Technical Table

Article-No.	Type	Kit Contents
639-60000	<b>HOT Kit</b>	15 pcs. bend protection grommets HV2101, 20 pcs. Edge protection grommets HV1201, 20 pcs. Bend protection grommets HV2213, 15 pcs. Bend protection grommets HV2210, 15 pcs. Edge protection grommets HV1203, 15 pcs. Bend protection grommets HV2101

All dimensions in mm. Subject to technical changes.