

Bulbous Heat Shrink Boots: Lipped, Right Angle



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Wire Protection & Management > Heat Shrink Molded Shapes > Heat Shrink Boots

Bulbous heat shrink boots with a right angle transition and has a lipped features. Use in conjunction with TE adapters to provide strain relief for harness systems using circular connectors. Boot is compatible with all grooved adapters of the appropriate shell size.



Molded Part Angle: **90°**

Lipped: **Yes**

Features

Product Type Features

Molded Part Angle (°)	90
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Configuration Features

Lipped	Yes
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Body Features

Material Code	3, 4, 12, 25, 100
Heat Shrink Boot Material Systems Code	10, 25, 100, 200
Adhesive Pre-Coat	No, Yes
Material	Fluid Resistant Modified Elastomer, Low Fire Hazard Material, Modified Fluoro-Elastomer, Polyolefin Flexible Modified, Semi-Rigid Modified Polyolefin

Dimensions

Connector or Backshell Outside Diameter	.47 in, .55 in, .63 in, .709 in, .71 in, .71 mm, .787 in, .79 in, .87 in, .94 in, 1.02 in, 1.1 in, 1.18 in, 1.26 in, 1.34 in, 1.42 in, 1.5 in, 1.57 in, 1.69 in, 1.8 in, 1.81 in, 1.93 in, 12 mm, 14 mm, 16 mm, 18 mm, 2.05 in, 2.17 in, 2.28 in, 2.4 in, 2.5 in, 2.52 in, 20 mm, 22 mm, 24 mm, 26 mm, 28 mm, 30 mm, 32 mm, 34 mm, 36 mm, 38 mm, 40 mm, 43 mm, 46 mm, 49 mm, 52 mm, 55 mm, 58 mm, 61 mm, 64 mm
Wire/Cable Outside Diameter (mm)	10, 11, 12, 14, 18, 20, 22, 24, 26, 28, 6, 7, 8, 9



Wire/Cable Outside Diameter (in)	.24, .28, .31, .35, .39, .43, .47, .55, .71, .79, .87, .94, 1.02, 1.1
Inside Diameter as Supplied (mm)	23.4, 24, 28.4, 30, 31, 36, 43, 51.8, 52, 60, 66, 81.8
Inside Diameter as Supplied (in)	.92, .945, 1.12, 1.18, 1.22, 1.42, 1.69, 2.04, 2.05, 2.36, 2.6, 3.22
Wire/Cable Outside Diameter	.236 in, .24 in, .276 in, .28 in, .3 in, .31 in, .35 in, .39 in, .43 in, .433 in, .47 in, .55 in, .63 in, .7 in, .71 in, .787 in, .79 in, .87 in, .9 in, .94 in, 1 in, 1.02 in, 1.1 in, 1.18 in, 1.26 in, 1.34 in, 1.42 in, 1.5 in, 1.57 in, 1.69 in, 1.8 in, 1.81 in, 1.93 in, 10 mm, 11 mm, 12 mm, 14 mm, 16 mm, 18 mm, 20 mm, 22 mm, 24 mm, 26 mm, 28 mm, 30 mm, 32 mm, 34 mm, 36 mm, 38 mm, 40 mm, 43 mm, 46 mm, 49 mm, 6 mm, 7 mm, 8 mm, 9 mm
Connector or Backshell Outside Diameter (mm)	12, 14, 16, 18, 20, 22, 24, 26, 28, 38, 40, 43, 46, 49
Connector or Backshell Outside Diameter (in)	.47, .55, .63, .71, .79, .87, .94, 1.02, 1.1, 1.5, 1.57, 1.69, 1.81, 1.93
Cable Diameter Range (mm)	10.4 - 23.4, 10.4 - 24, 14.2 - 30, 15.7 - 35, 15.7 - 35.3, 16.8 - 38, 17.9 - 31, 18 - 31, 20.3 - 45.7, 22.4 - 36, 25.4 - 57.2, 28.2 - 43, 35.1 - 51.8, 35.1 - 52, 35.1 - 60, 44.5 - 66, 5.6 - 12.4, 5.6 - 13, 5.9 - 14, 6.6 - 14.7, 60.5 - 81.8, 7.1 - 16, 8.4 - 18.5, 8.4 - 19, 9.9 - 22, 9.9 - 22.1
Cable Diameter Range (in)	.22 - .488, .26 - .579, .331 - .728, .39 - .87, .41 - .92, .41 - .94, .56 - 1.18, .618 - 1.378, .618 - 1.39, .661 - 1.496, .7 - 1.22, .799 - 1.799, .88 - 1.42, 1 - 2.252, 1.11 - 1.69, 1.38 - 2.04, 1.38 - 2.05, 1.38 - 2.36, 1.75 - 2.6, 19 - 31, 2.38 - 3.22, 5.6 - 14, 5.9 - 14, 5.9 - 15, 7.1 - 17, 8.4 - 20, 9.9 - 22, 9.9 - 23

Usage Conditions

Operating Temperature Range (°C)	-75 - 150, -55 - 135, -55 - 200, -30 - 105
Operating Temperature Range (°F)	-103 - 302, -67 - 275, -67 - 392, -67 - 394, -22 - 221
Flammability	Flame-Retardant, Low Fire Hazard

Operation/Application

Power Cable Accessory	No
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Industry Standards

Approved Standards	BR1326 listed Class G, BS-G-198-5-DA, BS-G-198-5-DD, BS-G-198-5-DE, BS-G-198-5-
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DF, DEF Std 59-97 Issue 3 Type DA, DEF Std 59-97 Issue 3 Type DD, DEF Std 59-97 Issue 3 Type DE, DEF Std 59-97 Issue 3 Type DF, IEC 62329-3-101, IEC 62329-3-102, MIL-I-81765/1 Class I, MIS-34867, SAE AS 85049/141, SAE AS I 81765/1, Type I, SAE AS I 81765/1, Type II, SAE AS I 81765 /4, SAE AS81765/1 Type I, SAE AS81765/1 Type II, SAE AS81765/4, UL 224, File E85381, VG95343 Part 18, VG95343 Part 6, VG95343 Parts 29 and 30, VG95343 Parts 6,7,8 and 9

Government Qualified No, Yes

Other

Molded Part Shape Code 222, 222K, 222W

Fluid & Chemical Resistance Long-Term Fluid Exposure at High Temperatures, Long-Term Fluid Immersion at High Temperatures, Occasional Fluid Exposure

Adhesive Options /180 Precoat, /184 Precoat, /225 Precoat, /42 Precoat, /86 Precoat

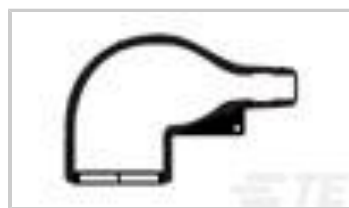
Adhesive Type Adhesive Purchased Separately, General Purpose Pre-Coat Adhesive, High Performance Pre-Coat Adhesive, Hot-Melt Polyamide

Reference Number

TE Internal Number CAT-R21-73106549

SEE PRODUCTS ON NEXT PAGE

Products (1 of 5)



222K152-25/86-0



222K152-25L-0



222K163-25L-0



222D142-25-0

TE Part #	879251-000	CV7369-000	CV7370-000	806823-000
Molded Part Shape Code	222	222	222	222
Material Code	25	25	25	25
Heat Shrink Boot Material Systems Code	25	25	25	25
Adhesive Pre-Coat	Yes	No	No	No
Operating Temperature Range	-75 - 150 °C	-75 - 150 °C	-75 - 150 °C	-75 - 150 °C
Fluid & Chemical Resistance	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures
Adhesive Options	/86 Precoat			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	Raychem	Raychem	Raychem	Raychem

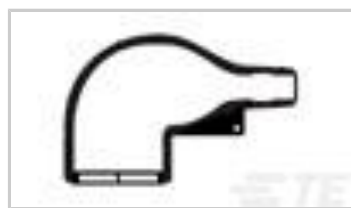
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These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

Products (2 of 5)



222K121-100/180-0



222K142-25L-0



222K132-3/42-0



222D132-25-0

TE Part #	409670-000	CV7368-000	820671-000	806748-000
Molded Part Shape Code	222	222	222	222
Material Code	100	25	3	25
Heat Shrink Boot Material Systems Code	100	25	10	25
Adhesive Pre-Coat	Yes	No	Yes	No
Operating Temperature Range	-30 - 105 °C	-75 - 150 °C	-55 - 135 °C	-75 - 150 °C
Fluid & Chemical Resistance	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Occasional Fluid Exposure	Long-Term Fluid Exposure at High Temperatures
Adhesive Options	/180 Precoat		/42 Precoat	
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	Raychem	Raychem	Raychem	Raychem

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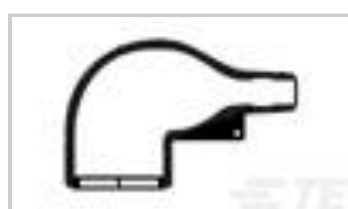
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Products (3 of 5)



222K163-3-0



222K142-3-0



222K121-25-0



222K174-25-0

TE Part #	822841-000	812843-000	878511-000	878516-000
Molded Part Shape Code	222	222	222	222
Material Code	3	3	25	25
Heat Shrink Boot Material Systems Code	10	10	25	25
Adhesive Pre-Coat	No	No	No	No
Operating Temperature Range	-55 - 135 °C	-55 - 135 °C	-75 - 150 °C	-75 - 150 °C
Fluid & Chemical Resistance	Occasional Fluid Exposure	Occasional Fluid Exposure	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures
Adhesive Options				
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	Raychem	Raychem	Raychem	Raychem

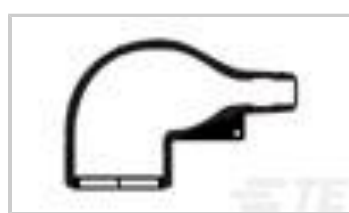
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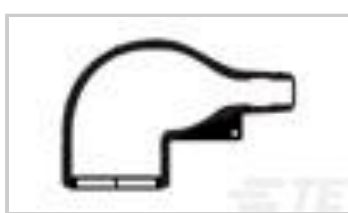
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Products (4 of 5)



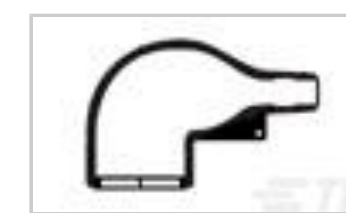
222K152-25-0



222K142-25-0



222K163-25-0



222K152-25/225-0

TE Part #	878514-000	878513-000	878515-000	723486-000
Molded Part Shape Code	222	222	222	222
Material Code	25	25	25	25
Heat Shrink Boot Material Systems Code	25	25	25	25
Adhesive Pre-Coat	No	No	No	Yes
Operating Temperature Range	-75 - 150 °C	-75 - 150 °C	-75 - 150 °C	-75 - 150 °C
Fluid & Chemical Resistance	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures
Adhesive Options				/225 Precoat
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	Raychem	Raychem	Raychem	Raychem

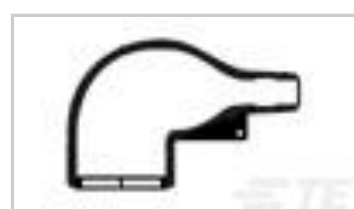
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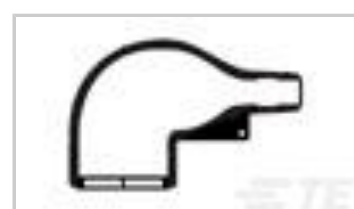
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Products (5 of 5)



222K142-25/225-0



222K132-25/86-0



222K132-25-0



222K152-3-0

TE Part #	892144-000	879268-000	878512-000	812846-000
Molded Part Shape Code	222	222	222	222
Material Code	25	25	25	3
Heat Shrink Boot Material Systems Code	25	25	25	10
Adhesive Pre-Coat	Yes	Yes	No	No
Operating Temperature Range	-75 - 150 °C	-75 - 150 °C	-75 - 150 °C	-55 - 135 °C
Fluid & Chemical Resistance	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Long-Term Fluid Exposure at High Temperatures	Occasional Fluid Exposure
Adhesive Options	/225 Precoat	/86 Precoat		
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	Raychem	Raychem	Raychem	Raychem

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