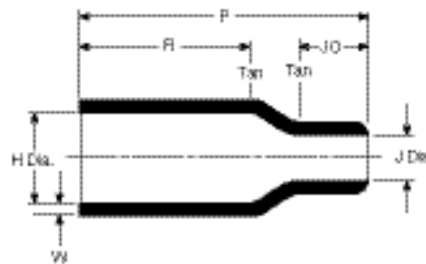


Straight Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use for mechanical protection and connector/cable strain relief. This family of boots has no lip, so that a boot can be installed directly onto the connector accessory thread.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/86 or /180	S-1048 or S-1030

*For more information, please see the appropriate material page in this section.
**For more information, please see section 5.

Product Dimensions

Part No.	H			J			P ±10% b	R ±10% b	JO Ref. b	W ±20% b
	Min.		Max. b	Min.		Max. b				
	-3,-4,-25 a	-12,-100 a		-3,-4,-25 a	-12,-100 a					
202A111	16.5 [.65]	16.5 [.65]	7.9 [.31]	16.5 [.65]	11.9 [.47]	3.8 [.15]	25.4 [1.00]	14.2 [.56]	5.8 [.23]	1.27 [.05]
202A121	24.6 [.97]	22.6 [.89]	9.9 [.39]	24.6 [.97]	17.8 [.70]	5.3 [.21]	38.1 [1.50]	21.8 [.86]	9.1 [.36]	1.52 [.06]
202A132	28.4 [1.12]	26.2 [1.03]	14.2 [.56]	28.4 [1.12]	20.3 [.80]	6.6 [.26]	51.3 [2.02]	27.9 [1.10]	13.0 [.51]	1.78 [.07]
202A142	31.0 [1.22]	31.0 [1.22]	17.8 [.70]	31.0 [1.22]	25.4 [1.00]	7.4 [.29]	66.8 [2.63]	35.6 [1.40]	17.8 [.70]	1.78 [.07]
202A153	36.1 [1.42]	36.1 [1.42]	21.9 [.86]	36.1 [1.42]	26.2 [1.03]	8.6 [.34]	73.7 [2.90]	41.4 [1.63]	16.0 [.63]	1.78 [.07]
202A163	42.7 [1.68]	42.7 [1.68]	27.4 [1.08]	42.7 [1.68]	27.2 [1.07]	9.4 [.37]	99.1 [3.90]	62.7 [2.47]	18.0 [.71]	2.03 [.08]
202A174	51.8 [2.04]	48.3 [1.90]	35.3 [1.39]	51.8 [2.04]	48.3 [1.90]	16.0 [.63]	130.0 [5.13]	64.8 [2.55]	41.9 [1.65]	3.30 [.13]
202A185	66.0 [2.60]	66.0 [2.60]	43.7 [1.72]	66.0 [2.60]	54.1 [2.13]	19.6 [.77]	161.3 [6.35]	90.2 [3.55]	47.8 [1.88]	3.81 [.15]
202A196	86.4 [3.40]	86.4 [3.40]	57.2 [2.25]	86.4 [3.40]	71.4 [2.81]	26.9 [1.06]	212.6 [8.37]	113.0 [4.45]	62.2 [2.45]	4.06 [.16]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

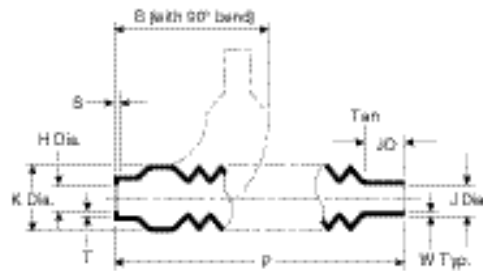
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Uniboot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use to provide abrasion protection for connectors. The flexibility of design allows a variety of cable outlet angles. When installed on a spin-coupling adapter, cold reentry to the

connector is possible by compressing the molded part. When used with adhesive it provides environmental sealing.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-50	Viton polymer blend	N/A	S-1125
-51	Elastomer polymer blend	/164	S-1124
-71	Flexible polyolefin	/42 or /86	S-1017 or S-1048

*For more information, please see the appropriate material page in this section.
 **For more information, please see section 5.

Product Dimensions

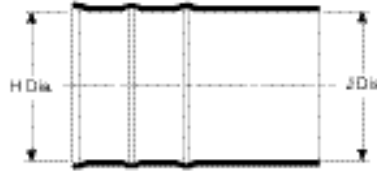
Part No.	H			J			K Max. b	P ±10% b	JO ±10% b	S ±.03[0.76] b	T ±.03[0.76] b	W Min. b	B Nom. b
	Min. a -50, -51	Max. a -71	Max. b	Min. a -50, -51	Max. a -71	Max. b							
202C611	14.2 [56]	17.5 [69]	6.9 [27]	11.2 [44]	14.2 [56]	4.8 [19]	21.1 [83]	120.7 [4.75]	17.5 [69]	1.52 [0.06]	1.27 [0.05]	0.33 [0.013]	62.5 [2.46]
202C621	22.4 [88]	26.4 [1.04]	11.7 [46]	17.8 [70]	26.4 [1.04]	8.1 [32]	26.7 [1.05]	133.4 [5.25]	19.0 [78]	1.52 [0.06]	1.27 [0.05]	0.46 [0.018]	67.8 [2.67]
202C632	34.0 [1.34]	38.1 [1.50]	17.5 [69]	26.9 [1.06]	38.1 [1.50]	12.7 [50]	32.8 [1.29]	146.1 [5.75]	22.4 [88]	1.78 [0.07]	1.27 [0.05]	0.51 [0.020]	73.4 [2.89]
202C642	44.2 [1.74]	47.8 [1.88]	22.4 [88]	36.6 [1.44]	47.8 [1.88]	17.5 [69]	37.8 [1.49]	158.8 [6.25]	25.4 [1.00]	1.78 [0.07]	1.27 [0.05]	0.61 [0.024]	78.2 [3.08]
202C653	21.2 [53.8]	54.9 [2.16]	27.9 [1.10]	45.7 [1.80]	54.9 [2.16]	22.4 [88]	42.9 [1.69]	171.5 [6.75]	28.4 [1.12]	1.78 [0.07]	2.03 [0.08]	0.61 [0.024]	82.8 [3.26]
202C663	22.5 [57.2]	77.2 [3.04]	40.6 [1.60]	57.2 [2.25]	54.6 [2.15]	22.9 [90]	62.2 [2.45]	236.2 [9.30]	35.1 [1.38]	2.03 [0.08]	2.03 [0.08]	0.66 [0.026]	138.4 [5.45]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [0.06] max.

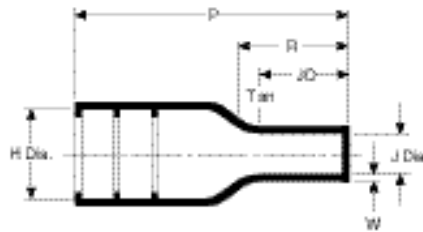
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Straight, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors. Boot is compatible with all Raychem grooved adapters of appropriate shell size.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/180	S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

Part No.	H		J			P ±10% b	JO ±10% b	W ±20% b	RR ±10% b
	Min. a	Max. b	Min.		Max. b				
			-3, -4, -25 a	-12, -100 a					
202D121	23.3 [.92]	10.5 [.41]	23.3 [.92]	12.4 [.49]	5.6 [.22]	38.1 [1.50]	10.2 [.40]	1.78 [.07]	—
202D132	28.4 [1.12]	14.3 [.56]	28.4 [1.12]	14.7 [.58]	6.6 [.26]	54.9 [2.16]	16.5 [.65]	1.78 [.07]	21.6 [.85]
202D142	31.0 [1.22]	17.8 [.70]	31.0 [1.22]	16.0 [.63]	7.2 [.28]	66.8 [2.63]	17.8 [.70]	2.03 [.08]	24.5 [.96]
202D153	36.0 [1.42]	22.4 [.88]	36.0 [1.42]	18.5 [.73]	8.4 [.33]	80.0 [3.15]	20.8 [.82]	2.03 [.08]	29.7 [1.17]
202D163	42.7 [1.68]	28.2 [1.11]	42.7 [1.68]	22.0 [.87]	9.9 [.39]	103.6 [4.08]	24.6 [.97]	2.29 [.09]	36.7 [1.44]
202D174	51.8 [2.04]	35.1 [1.38]	51.8 [2.04]	35.3 [1.39]	15.8 [.62]	130.3 [5.13]	39.6 [1.56]	3.30 [.13]	53.8 [2.12]
202D185	66.0 [2.60]	44.5 [1.75]	66.0 [2.60]	45.7 [1.80]	20.4 [.80]	165.1 [6.50]	48.3 [1.90]	4.06 [.16]	65.6 [2.59]
202D196	81.7 [3.22]	57.6 [2.27]	81.7 [3.22]	57.1 [2.25]	25.4 [1.00]	177.8 [7.00]	47.8 [1.88]	4.06 [.16]	67.1 [2.64]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

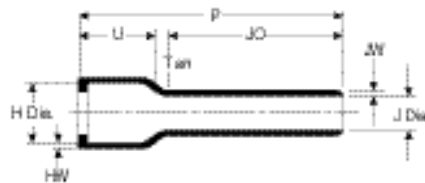
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Straight, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use with circular connectors and the appropriate Raychem backshell adapter to provide connector/cable strain relief. Boot is used on

open-wire-bundle airborne harnesses, or applications where the long tail replaces cable jacketing removed during termination.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/180	S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

Part No.	H		J			P ±10% b	JO ±10% b	U ±10% b	HW ±20% b	JW ±20% b
	Min. a	Max. b	Min.		Max. b					
			-3, -4, -25 a	-12, -100 a						
202D211	22.4 [.88]	11.4 [.45]	22.4 [.88]	14.0 [.55]	6.4 [.25]	105.9 [4.17]	86.4 [3.40]	14.2 [.56]	1.52 [.06]	1.14 [.045]
202D221	25.7 [1.01]	15.0 [.59]	25.7 [1.01]	16.0 [.63]	7.4 [.29]	121.2 [4.77]	98.6 [3.88]	15.0 [.59]	1.52 [.06]	1.14 [.045]
202D232	29.5 [1.16]	18.8 [.74]	29.5 [1.16]	18.3 [.72]	8.4 [.33]	138.7 [5.46]	112.8 [4.44]	15.5 [.61]	1.78 [.07]	1.14 [.045]
202D242	34.0 [1.34]	22.9 [.90]	34.0 [1.34]	21.3 [.84]	9.7 [.38]	159.5 [6.28]	130.8 [5.15]	15.7 [.62]	1.78 [.07]	1.14 [.045]
202D253	37.3 [1.47]	29.5 [1.16]	37.3 [1.47]	23.1 [.91]	10.4 [.41]	177.8 [7.00]	142.2 [5.60]	18.0 [.71]	2.0 [.08]	1.14 [.045]
202D263	43.7 [1.72]	34.0 [1.34]	43.7 [1.72]	27.2 [1.07]	12.2 [.48]	203.2 [8.00]	163.1 [6.42]	19.8 [.78]	2.0 [.08]	1.14 [.045]
202D274	50.0 [1.97]	41.2 [1.62]	50.0 [1.97]	31.5 [1.24]	14.2 [.56]	203.2 [8.00]	157.7 [6.21]	20.8 [.82]	2.3 [.09]	1.40 [.055]
202D285	62.7 [2.47]	47.0 [1.85]	62.7 [2.47]	39.1 [1.54]	17.5 [.69]	203.2 [8.00]	153.2 [6.03]	23.4 [.92]	2.5 [.10]	1.40 [.055]
202D296	69.3 [2.73]	59.7 [2.35]	69.3 [2.73]	43.2 [1.70]	19.6 [.77]	203.2 [8.00]	143.3 [5.64]	23.6 [.93]	2.5 [.10]	1.40 [.055]
202D299	81.8 [3.22]	67.1 [2.64]	81.8 [3.22]	51.1 [2.01]	22.9 [.90]	203.2 [8.00]	138.4 [5.45]	31.2 [1.23]	2.5 [.10]	1.40 [.055]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

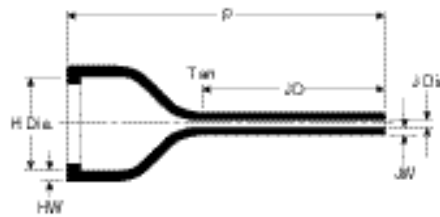
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Straight, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use with circular connectors and the appropriate Raychem backshell adapter to provide connector/cable strain relief. Boot is used in applications where only a small number of the available contacts are utilized, thus resulting in a high ratio between the adapter and cable diameters.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/86 or /180	S-1048 or S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

Part No.	H		J			P ±10% b	JO ±10% b	HW ±20% b	JW ±20% b
	Min. a	Max. b	Min.						
			-3, -4, -25 a	-12, -100 a	Max. b				
202D921	19.3 [.76]	13.0 [.51]	6.3 [.25]	4.5 [.18]	2.1 [.08]	60.2 [2.37]	37.6 [1.48]	1.52 [.06]	1.14 [.045]
202D932	26.1 [1.03]	19.1 [.75]	7.6 [.30]	5.5 [.22]	2.6 [.10]	74.2 [2.92]	45.0 [1.77]	1.78 [.07]	1.14 [.045]
202D953	34.2 [1.35]	26.0 [1.02]	9.6 [.38]	6.6 [.26]	3.1 [.12]	84.3 [3.32]	51.1 [2.01]	1.78 [.07]	1.14 [.045]
202D963	43.6 [1.72]	34.1 [1.34]	11.4 [.45]	7.8 [.31]	3.6 [.14]	99.6 [3.92]	57.7 [2.27]	1.78 [.07]	1.14 [.045]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

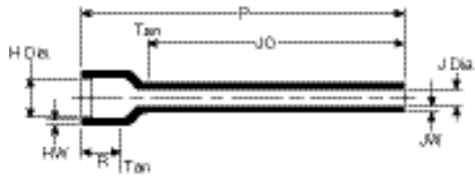
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Straight, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors. Boot is compatible with all Raychem grooved adapters of the appropriate shell size.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-50	Flexible Viton polymer blend	N/A	S-1125
-51	Flexible elastomer polymer blend	/164	S-1124
-71	Flexible polyolefin	/42 or /86	S-1017 or S-1048

Product Dimensions

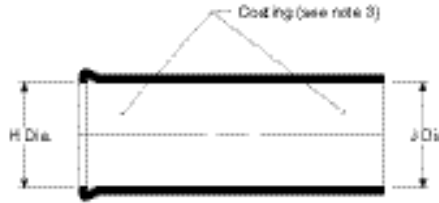
Part No.	H		J			P ±10% b	JO ±10% b	HW ±20% b	JW ±20% b
	Min. a	Max. b	Min.		Max. b				
			-3, -4, -25 a	-12, -100 a					
202F211	23.9 [.94]	9.9 [.39]	17.3 [.68]	6.6 [.26]	105.9 [4.17]	11.7 [.46]	86.4 [3.40]	1.5 [.06]	1.5 [.06]
202F221	27.2 [1.07]	13.2 [.52]	20.8 [.82]	7.6 [.30]	121.2 [4.77]	12.2 [.48]	98.6 [3.88]	1.5 [.06]	1.5 [.06]
202F232	31.0 [1.22]	18.5 [.73]	24.4 [.96]	8.9 [.35]	138.7 [5.46]	12.2 [.48]	112.8 [4.44]	1.8 [.07]	1.5 [.06]
202F242	35.6 [1.40]	22.1 [.87]	28.7 [1.13]	10.2 [.40]	159.5 [6.28]	12.2 [.48]	130.8 [5.15]	1.8 [.07]	1.5 [.06]
202F253	38.9 [1.53]	28.2 [1.11]	31.5 [1.24]	10.9 [.43]	177.8 [7.00]	14.0 [.55]	142.2 [5.60]	1.8 [.07]	1.5 [.06]
202F263	45.2 [1.78]	32.3 [1.27]	38.4 [1.51]	12.7 [.50]	203.2 [8.00]	15.2 [.60]	163.1 [6.42]	1.8 [.07]	1.5 [.06]
202F274	51.6 [2.03]	41.1 [1.62]	45.5 [1.79]	15.0 [.59]	203.2 [8.00]	15.2 [.60]	157.7 [6.21]	1.8 [.07]	1.8 [.07]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

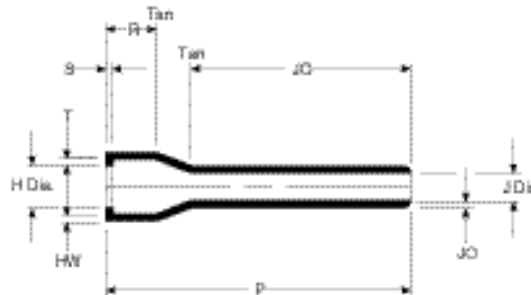
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Straight, Low Profile Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors. This range of parts is compatible with all Raychem grooved adapters of appropriate shell or entry size. When used with adhesive it provides environmental sealing.

Materials Available

Material Dash No.	Material Description	Adhesive
-55	Fluoropolymer	S-1255-04

Product Dimensions

Part No.	H		J		P ±10% b	R ±10% b	S Ref. b	T Ref. b	JO ±10% b	HW Ref. b	JW Ref. b
	Min. a	Max. b	Min. a	Max. b							
202G211	23.9 [.94]	9.9 [.39]	23.9 [.94]	7.4 [.29]	105.9 [4.17]	11.7 [.46]	1.0 [.04]	1.3 [.05]	86.4 [3.40]	1.0 [.04]	0.7 [.03]
202G221	27.2 [1.07]	13.2 [.52]	27.2 [1.07]	8.4 [.33]	121.2 [4.77]	12.2 [.48]	1.0 [.04]	1.3 [.05]	87.4 [3.44]	1.0 [.04]	0.7 [.03]
202G232	31.0 [1.22]	18.5 [.73]	31.0 [1.22]	9.4 [.37]	138.7 [5.46]	12.2 [.48]	1.0 [.04]	1.3 [.05]	104.4 [4.11]	1.0 [.04]	0.7 [.03]
202G242	31.7 [1.25]	22.1 [.87]	31.7 [1.25]	10.7 [.42]	159.5 [6.28]	12.2 [.48]	1.0 [.04]	1.5 [.06]	124.5 [4.90]	1.0 [.04]	0.7 [.03]
202G253	38.9 [1.53]	28.2 [1.11]	38.9 [1.53]	11.9 [.47]	177.8 [7.00]	10.6 [.42]	1.3 [.05]	1.8 [.07]	143.5 [5.65]	1.3 [.05]	1.0 [.04]

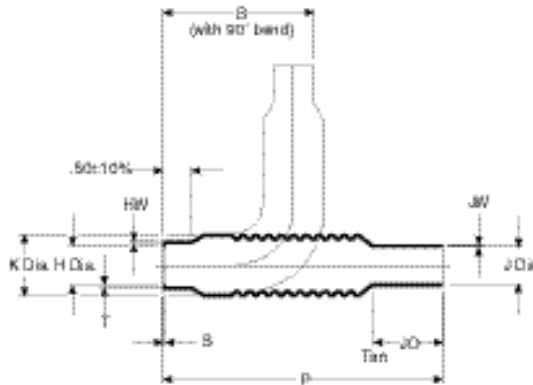
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Uniboot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use to provide abrasion protection for connectors. The flexibility of design allows a variety of cable outlet angles. When installed on a spin-coupling adapter, cold re-entry to the connector is possible by

unscrewing the adapter and compressing the molded part. When used with adhesive it provides environmental sealing.

Materials Available

Material Dash No.	Material Description	Adhesive
-55	Fluoropolymer	S-1255-04

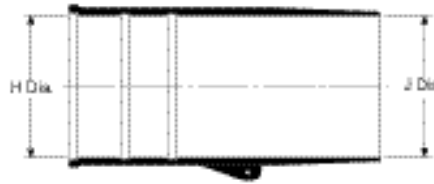
Product Dimensions

Part No.	H		J		K Max. b	P ±10% b	JO ±10% b	HW Ref. b	JW Ref. b	S Ref. b	T Ref. b	B Nom. b
	Min. a	Max. b	Min. a	Max. b								
202G611	14.2 [.56]	6.9 [.27]	11.2 [.44]	4.8 [.19]	21.1 [.83]	120.7 [4.75]	17.5 [.69]	1.0 [.04]	0.7 [.03]	1.0 [.04]	1.3 [.05]	62.5 [2.46]
202G621	26.6 [1.05]	11.7 [.46]	26.6 [1.05]	8.1 [.32]	26.6 [1.05]	133.8 [5.27]	19.9 [.78]	1.0 [.04]	0.7 [.03]	1.0 [.04]	1.3 [.05]	67.8 [2.67]
202G632	33.0 [1.30]	17.5 [.69]	33.0 [1.30]	12.7 [.50]	32.7 [1.29]	151.1 [5.95]	22.4 [.88]	1.0 [.04]	0.7 [.03]	1.0 [.04]	1.3 [.05]	73.4 [2.89]
202G642	35.5 [1.40]	22.3 [.88]	35.5 [1.40]	17.5 [.69]	37.8 [1.49]	157.2 [6.19]	25.4 [1.00]	1.3 [.05]	1.0 [.04]	1.3 [.05]	1.3 [.05]	78.2 [3.08]
202G653	42.6 [1.68]	27.9 [1.10]	42.6 [1.68]	22.4 [.88]	42.9 [1.69]	170.2 [6.70]	28.4 [1.12]	1.3 [.05]	1.0 [.04]	1.3 [.05]	1.5 [.06]	82.8 [3.26]

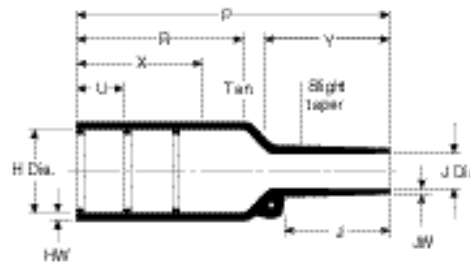
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Straight, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



202K121 - 153 = 2 lips
 202K163 - 185 = 3 lips
 Mod 01 = 1 lip removed
 Mod 02 = 2 lips removed
 (only available in sizes 163, 174, 185).
 For eyelet clip, order CS-1858 option.



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors.

Boot is compatible with all Raychem grooved adapters of the appropriate shell size.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/86 or /180	S-1048 or S-1030

*For more information, please see the appropriate material page in this section.
 **For more information, please see section 5.

Product Dimensions

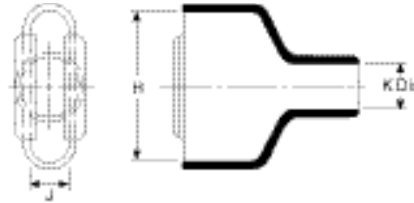
Part No.	H		J				P ±10% b	R ±10% b	U ±10% b	JO ±10% b	HW ±20% b	JW Min. b	X ±20% b	Y ±20% b
	Min. -3,-4,-12,-25 a	Max. b	Min. -3,-4,-25 a	-12 a	-100 a	Max. b								
202K121	24.0 [95]	10.4 [41]	24.0 [95]	13.0 [51]	14.0 [55]	5.6 [22]	38.0 [150]	21.0 [83]	12.0 [47]	8.5 [33]	1.6 [06]	.41 [016]	24.0 [94]	13.0 [51]
202K132	30.0 [1.18]	14.2 [56]	30.0 [1.18]	14.0 [55]	15.0 [59]	5.9 [23]	55.0 [2.17]	32.0 [1.26]	12.0 [47]	11.5 [45]	1.8 [07]	.81 [032]	24.0 [94]	18.0 [71]
202K142	31.0 [1.22]	18.0 [71]	31.0 [1.22]	16.0 [63]	18.0 [71]	7.1 [28]	67.0 [2.64]	35.0 [1.38]	20.0 [79]	17.0 [67]	1.8 [07]	.81 [032]	32.0 [1.26]	25.0 [98]
202K153	36.0 [1.42]	22.4 [88]	36.0 [1.42]	19.0 [75]	21.0 [83]	8.4 [33]	80.0 [3.15]	42.0 [1.65]	20.0 [79]	19.5 [76]	2.0 [08]	.81 [032]	32.0 [1.26]	30.0 [1.18]
202K163	43.0 [1.69]	28.2 [1.11]	43.0 [1.69]	22.0 [87]	25.0 [98]	9.9 [39]	99.0 [3.90]	61.0 [2.40]	20.0 [79]	21.0 [82]	2.2 [08]	.81 [032]	52.0 [2.05]	30.0 [1.18]
202K174	60.0 [2.36]	35.1 [1.38]	60.0 [2.36]	35.0 [1.38]	39.0 [1.54]	15.7 [62]	130.0 [5.12]	72.0 [2.83]	20.0 [79]	39.0 [1.53]	3.3 [13]	1.02 [040]	52.0 [2.05]	50.0 [1.97]
202K185	66.0 [2.60]	44.5 [1.75]	66.0 [2.60]	38.0 [1.50]	42.0 [1.65]	16.8 [66]	170.0 [6.69]	90.0 [3.54]	20.0 [79]	51.5 [2.02]	3.8 [15]	1.63 [064]	52.0 [2.05]	70.0 [2.76]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

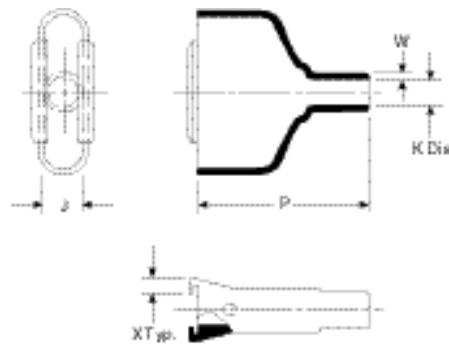
Available in:	Americas	Europe	Asia Pacific
	■	■	■

D-Subminiature, Straight Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection on D-subminiature connector terminations.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/86 or /180	S-1048 or S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

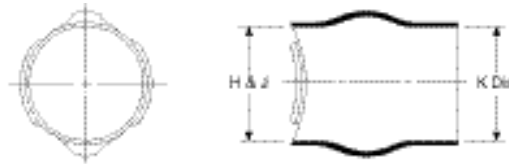
Part No.	H		J		K		P ±10% b	W ±20% b	X ±20% b	This Boot Fits	
	±5% a	±5% b	±5% a	±5% b	Min. a	Max. b				Cannon/ Cinch	Amphenol Series 17
214A011	20.3 [.80]	20.3 [.80]	10.7 [.42]	10.7 [.42]	7.9 [.31]	4.1 [.16]	33.3 [1.31]	1.0 [.04]	3.0 [.12]	DE-9	XX09X
214A021	28.2 [1.11]	28.2 [1.11]	10.7 [.42]	10.7 [.42]	10.2 [.40]	5.3 [.21]	38.9 [1.53]	1.0 [.04]	3.0 [.12]	DA-15	XX15X
214A032	42.2 [1.66]	42.2 [1.66]	10.7 [.42]	10.7 [.42]	14.0 [.55]	8.1 [.32]	45.0 [1.77]	1.0 [.04]	3.0 [.12]	DB-25	XX25X
214A042	58.7 [2.31]	58.7 [2.31]	10.7 [.42]	10.7 [.42]	17.3 [.68]	8.6 [.34]	53.3 [2.10]	1.0 [.04]	3.0 [.12]	DC-37	XX37X
214A052	57.9 [2.28]	57.9 [2.28]	13.7 [.54]	13.7 [.54]	19.1 [.75]	10.7 [.42]	61.0 [2.40]	1.0 [.04]	3.0 [.12]	DD-50	XX50X

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

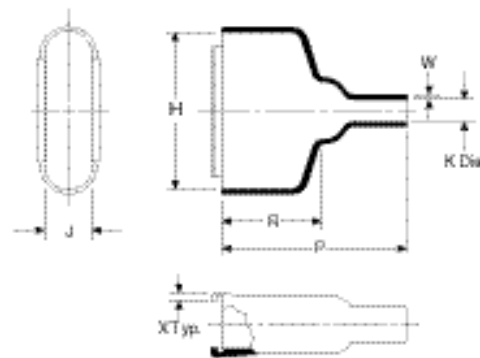
Available in:	Americas	Europe	Asia Pacific
	■	■	■

D-Subminiature, Straight Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection on D-subminiature connector terminations.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-25	Fluid-resistant elastomer	/42 or /86	S-1017 or S-1048 or S-1125

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

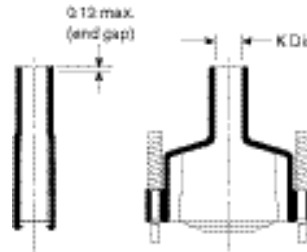
Part No.	H		J		K		P ±10% b	R ±10% b	W ±20% b	X ±20% b	This Boot Fits	
	±5% a	±5% b	±5% a	±5% b	Min. a	Max. b					Cannon/ Cinch	Amphenol Series 17
214A311	16.0 [.63]	20.3 [.80]	16.0 [.63]	10.7 [.42]	16.0 [.63]	4.1 [.16]	33.3 [1.31]	19.1 [.75]	1.02 [.04]	3.05 [.12]	DE-9	XX09X
214A321	19.1 [.75]	28.2 [1.11]	19.1 [.75]	10.7 [.42]	19.1 [.75]	5.3 [.21]	38.9 [1.53]	22.1 [.87]	1.02 [.04]	3.05 [.12]	DA-15	XX15X
214A332	29.2 [1.15]	42.2 [1.66]	29.2 [1.15]	10.7 [.42]	29.2 [1.15]	8.1 [.32]	45.0 [1.77]	25.4 [1.00]	1.02 [.04]	3.05 [.12]	DB-25	XX25X
214A342	34.3 [1.35]	58.7 [2.31]	34.3 [1.35]	10.7 [.42]	34.3 [1.35]	8.6 [.34]	53.3 [2.10]	28.4 [1.12]	1.02 [.04]	3.05 [.12]	DC-37	XX37X
214A352	37.6 [1.48]	57.9 [2.28]	37.6 [1.48]	13.7 [.54]	37.6 [1.48]	10.7 [.42]	61.0 [2.40]	31.8 [1.25]	1.02 [.04]	3.05 [.12]	DD-50	XX50X

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

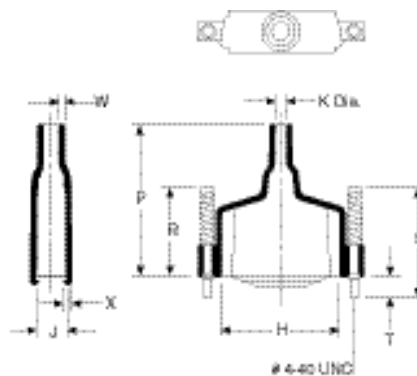
Available in:	Americas	Europe	Asia Pacific
	■	■	■

D-Subminiature, Straight Boot with Jack Screws

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection on D-subminiature connector terminations.

Materials Available

Material*	Material Description
-111-0	Semirigid polyolefin (black)
-111-8	Semirigid polyolefin (gray)

*Contact Tyco Electronics for information on material properties.

Product Dimensions

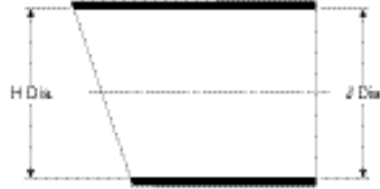
Part No.	H ±5% b	J ±10% b	K		P ±10% b	R Ref. b	S Nom. b	T Nom. b	X ±20% b	W ±20% b	Fits Connector Size
			Min. a	Max. b							
214P009-XXX	17.3 [.68]	12.0 [.47]	9.0 [.35]	3.8 [.15]	43.0 [1.69]	22.0 [.87]	29.0 [1.14]	6.4 [.25]	1.80 [.07]	1.5 [.06]	9 pin
214P015-XXX	25.2 [.99]	12.0 [.47]	10.5 [.41]	3.8 [.15]	44.0 [1.73]	23.0 [.90]	29.0 [1.14]	6.4 [.25]	2.03 [.08]	1.5 [.06]	15 pin
214P025-XXX	38.4 [1.51]	12.0 [.47]	12.0 [.47]	5.1 [.20]	49.0 [1.87]	25.0 [.98]	29.0 [1.14]	6.4 [.25]	2.16 [.085]	1.5 [.06]	25 pin
214P037-XXX	54.2 [2.13]	12.0 [.47]	12.0 [.47]	5.8 [.22]	55.0 [2.16]	25.0 [.98]	29.0 [1.14]	6.4 [.25]	2.26 [.089]	1.5 [.06]	37 pin

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

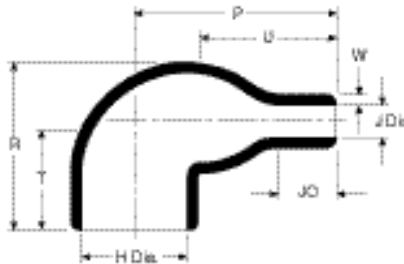
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Right-Angled Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use for mechanical protection and connector-cable strain relief. This family of boots has no lip, so a boot can be installed directly onto the connector accessory thread.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/180	S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

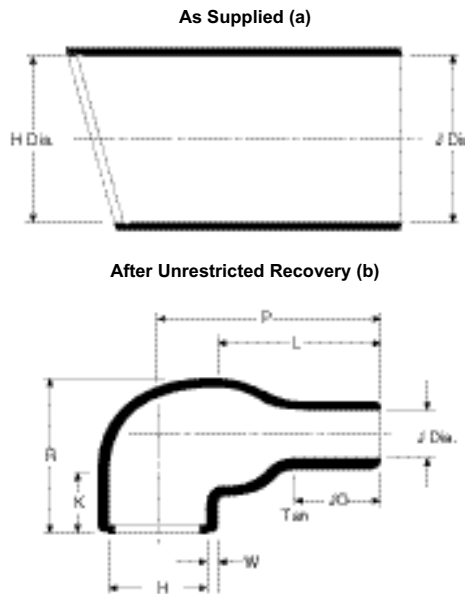
Product Dimensions

Part No.	H		J				P ±10% b	R ±10% b	T ±10% b	U ±10% b	JO ±10% b	W ±20% b
	Min. a	Max. b	-3,-4,-25 a	Min. -100 a	-12 a	Max. b						
222A111	17.8 [.70]	7.9 [.31]	17.8 [.70]	10.9 [.43]	9.9 [.39]	3.8 [.15]	17.3 [.68]	20.1 [.79]	—	11.4 [.45]	4.3 [.17]	1.02 [.04]
222A121	24.9 [.98]	10.2 [.40]	24.9 [.98]	16.0 [.63]	18.0 [.71]	5.3 [.21]	21.3 [.84]	22.6 [.89]	—	14.7 [.58]	5.8 [.23]	1.27 [.05]
222A132	30.0 [1.18]	14.2 [.56]	30.0 [1.18]	21.1 [.83]	20.6 [.81]	6.4 [.25]	26.9 [1.06]	26.7 [1.05]	19.1 [.75]	17.8 [.70]	7.1 [.28]	1.52 [.06]
222A142	32.5 [1.28]	17.3 [.68]	32.5 [1.28]	22.9 [.90]	22.9 [.90]	6.9 [.27]	36.6 [1.44]	30.5 [1.20]	19.1 [.75]	24.9 [.98]	10.2 [.40]	1.78 [.07]
222A152	36.1 [1.42]	21.8 [.86]	36.1 [1.42]	27.4 [1.08]	26.4 [1.04]	8.4 [.33]	43.7 [1.72]	35.1 [1.38]	19.1 [.75]	30.0 [1.18]	12.7 [.50]	1.78 [.07]
222A163	43.9 [1.73]	27.4 [1.08]	43.9 [1.73]	28.4 [1.12]	27.4 [1.08]	9.4 [.37]	53.6 [2.11]	43.9 [1.73]	19.1 [.75]	34.0 [1.34]	17.3 [.68]	2.03 [.08]
222A174	53.1 [2.09]	33.8 [1.33]	53.1 [2.09]	48.3 [1.90]	46.7 [1.84]	15.0 [.59]	75.7 [2.98]	52.8 [2.08]	25.4 [1.00]	53.3 [2.10]	32.0 [1.26]	3.30 [.13]
222A185	67.6 [2.66]	44.2 [1.74]	67.6 [2.66]	58.4 [2.30]	54.4 [2.14]	20.3 [.80]	97.5 [3.84]	66.0 [2.60]	25.4 [1.00]	71.1 [2.80]	40.6 [1.60]	3.81 [.15]
222A196	87.6 [3.45]	55.4 [2.18]	87.6 [3.45]	68.8 [2.71]	63.0 [2.48]	23.4 [.92]	128.0 [5.04]	79.2 [3.12]	25.4 [1.00]	87.6 [3.45]	56.4 [2.22]	4.57 [.18]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Right-Angled, Lipped Boot



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors. Boot is compatible with all Raychem grooved adapters of the appropriate shell size.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/180	S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

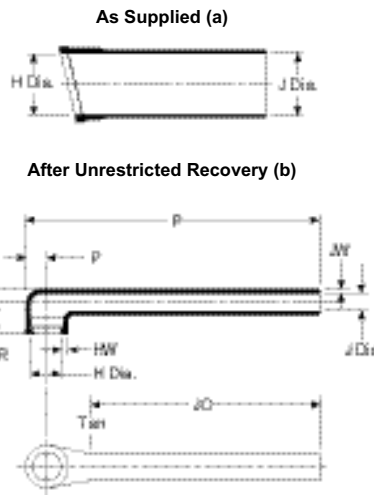
Product Dimensions

Part No.	H		J				P ±10% b	R Ref. b	JO ±10%	W ±20%	K ±10% b	L ±10% b
	Min. a	Max. a	-3,-4,-25 b	Min. -100 b	-12 b	Max. b						
222D121	23.4 [.92]	10.4 [.41]	23.4 [.92]	14.0 [.55]	12.4 [.49]	5.6 [.22]	21.3 [.84]	22.6 [.89]	5.8 [.23]	1.27 [.05]	15.2 [.60]	14.7 [.58]
222D132	28.4 [1.12]	14.2 [.56]	28.4 [1.12]	15.0 [.59]	14.7 [.58]	6.6 [.26]	33.8 [1.33]	27.2 [1.07]	15.5 [.65]	1.52 [.06]	19.1 [.75]	24.9 [.98]
222D142	31.0 [1.22]	17.8 [.70]	31.0 [1.22]	18.0 [.71]	16.0 [.63]	7.1 [.28]	36.6 [1.44]	31.0 [1.22]	12.7 [.50]	1.78 [.07]	19.1 [.75]	24.9 [.98]
222D152	36.0 [1.42]	22.4 [.88]	36.0 [1.42]	21.0 [.83]	18.5 [.73]	8.4 [.33]	43.7 [1.72]	35.1 [1.38]	14.5 [.57]	1.78 [.07]	19.1 [.75]	30.0 [1.18]
222D163	42.7 [1.68]	28.2 [1.11]	42.7 [1.68]	25.0 [.98]	22.1 [.87]	9.9 [.39]	53.6 [2.11]	43.9 [1.73]	17.5 [.69]	2.03 [.08]	19.3 [.76]	33.0 [1.30]
222D174	51.8 [2.04]	35.1 [1.38]	51.8 [2.04]	39.0 [1.54]	35.3 [1.39]	15.7 [.62]	78.0 [3.07]	52.8 [2.08]	33.5 [1.32]	3.30 [.13]	25.4 [1.00]	53.8 [2.12]
222D185	66.0 [2.60]	44.5 [1.75]	66.0 [2.60]	42.0 [1.65]	45.7 [1.80]	20.3 [.80]	97.5 [3.84]	66.0 [2.60]	40.1 [1.58]	3.81 [.15]	25.4 [1.00]	71.1 [2.80]
222D196	81.8 [3.22]	60.5 [2.38]	81.8 [3.22]	57.2 [2.25]	57.2 [2.25]	25.4 [1.00]	117.9 [4.64]	83.8 [3.30]	38.1 [1.50]	4.06 [.16]	25.4 [1.00]	80.0 [3.15]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 (.06) max.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

Right-Angled, Lipped Boot



Applications

Provides strain relief and mechanical protection between cable and connector. Boot is usually used on open-wire-bundle airborne harnesses, or applications where the long tail replaces cable jacketing removed during termination.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/86 or /180	S-1048 or S-1030

*For more information, please see the appropriate material page in this section.
 **For more information, please see section 5.

Product Dimensions

Part No.	H		J			P ±10% b	R Ref b	JO ±10% b	PP ±10% b	RR 10% b	HW ±20%	JW ±20%
	Min. a	Max. b	Min. -3,-4,-25 a	Min. -12,-100 b	Max. b							
222D211	22.4 [1.88]	11.4 [1.45]	22.4 [1.88]	14.0 [1.55]	6.4 [1.25]	105.2 [4.14]	18.5 [1.73]	87.6 [3.45]	6.9 [1.27]	12.4 [1.49]	1.52 [1.06]	1.14 [1.045]
222D221	25.7 [1.01]	15.0 [1.59]	25.7 [1.01]	16.0 [1.63]	7.4 [1.29]	124.0 [4.88]	19.8 [1.78]	99.1 [3.90]	8.4 [1.33]	15.0 [1.59]	1.52 [1.06]	1.14 [1.045]
222D232	29.5 [1.16]	18.8 [1.74]	29.5 [1.16]	18.3 [1.72]	8.4 [1.33]	146.3 [5.76]	20.8 [1.82]	114.3 [4.50]	10.4 [1.41]	15.5 [1.61]	1.78 [1.07]	1.14 [1.045]
222D242	34.0 [1.34]	22.9 [1.90]	34.0 [1.34]	21.3 [1.84]	9.7 [1.38]	172.2 [6.78]	21.8 [1.86]	132.6 [5.22]	12.2 [1.48]	15.7 [1.62]	1.78 [1.07]	1.14 [1.045]
222D253	37.3 [1.47]	29.5 [1.16]	37.3 [1.47]	23.1 [1.91]	10.4 [1.41]	185.2 [7.29]	24.4 [1.96]	143.8 [5.66]	15.5 [1.61]	17.8 [1.70]	2.03 [1.08]	1.14 [1.045]
222D263	43.7 [1.72]	34.0 [1.34]	43.7 [1.72]	27.2 [1.07]	12.2 [1.48]	231.6 [8.41]	27.4 [1.08]	169.2 [6.66]	18.3 [1.72]	19.8 [1.78]	2.03 [1.08]	1.14 [1.045]
222D274	50.0 [1.97]	41.1 [1.62]	50.0 [1.97]	31.5 [1.24]	14.2 [1.56]	224.5 [8.84]	29.5 [1.16]	173.2 [6.82]	21.1 [1.83]	20.8 [1.82]	2.29 [1.09]	1.40 [1.055]
222D285	62.7 [2.47]	47.0 [1.85]	62.7 [2.47]	39.1 [1.54]	17.5 [1.69]	227.3 [8.95]	33.3 [1.31]	168.1 [6.62]	24.1 [1.95]	23.4 [1.92]	2.54 [1.10]	1.40 [1.055]
222D296	69.3 [2.73]	59.7 [2.35]	69.3 [2.73]	43.2 [1.70]	19.6 [1.77]	233.4 [9.19]	35.1 [1.38]	157.2 [6.19]	30.0 [1.18]	23.6 [1.93]	2.54 [1.10]	1.40 [1.055]
222D299	81.8 [3.22]	67.1 [2.64]	81.8 [3.22]	51.1 [2.01]	22.9 [1.90]	237.0 [9.33]	44.5 [1.75]	151.1 [5.95]	33.3 [1.31]	31.2 [1.23]	2.54 [1.10]	1.40 [1.055]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [1.06] max.

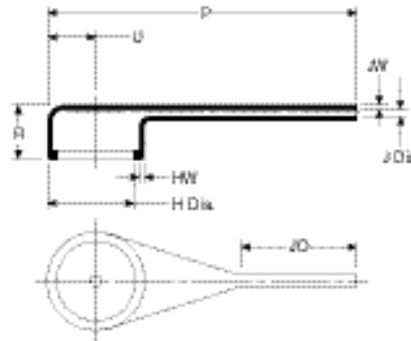
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Right-Angled, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection between cable and connector. It is used in applications where only a small number of the available contacts are utilized, resulting in a high ratio between the adapter and cable diameters.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/86 or /180	S-1048 or S-1030

Product Dimensions

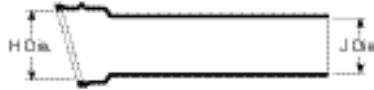
Part No.	H		J			P ±10% b	R Ref. b	U ±10% b	JO ±10% b	HW ±20% b	JW ±20% b
	Min. a	Max. b	Min.		Max. b						
			-3, -4, -25 a	-12, -100 a							
222D921	19.3 [.76]	13.0 [.51]	6.3 [.25]	4.5 [.18]	2.1 [.08]	44.5 [1.75]	16.3 [.64]	5.6 [.22]	21.8 [.86]	1.52 [.06]	1.14 [.045]
222D932	26.1 [1.03]	19.1 [.75]	7.6 [.30]	5.6 [.22]	2.6 [.10]	67.3 [2.65]	18.0 [.71]	8.4 [.33]	29.2 [1.15]	1.78 [.07]	1.14 [.045]
222D953	34.2 [1.35]	26.0 [1.02]	9.6 [.38]	6.6 [.26]	3.0 [.12]	81.3 [3.20]	18.8 [.74]	11.4 [.45]	36.3 [1.39]	1.78 [.07]	1.14 [.045]
222D963	43.6 [1.72]	34.1 [1.34]	11.4 [.45]	7.8 [.31]	3.6 [.14]	115.6 [4.55]	21.3 [.84]	15.5 [.61]	47.0 [1.85]	1.78 [.07]	1.14 [.045]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 mm [.06"] max.

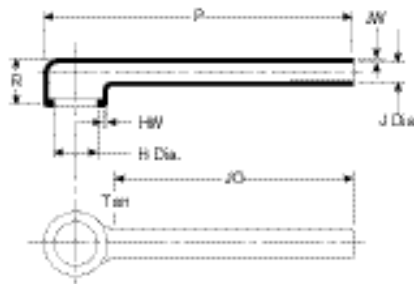
Available in:	Americas	Europe	Asia Pacific
	■	■	■

Right-Angled, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors. Boot is compatible with all Raychem grooved adapters of the appropriate shell size.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-50	Viton polymer blend	N/A	S-1125
-51	Elastomer polymer blend	/164	S-1124
-71	Flexible polyolefin	/42 or /86	S-1017 or S-1048

*For more information, please see the appropriate material page in this section.
**For more information, please see section 5.

Product Dimensions

Part No.	H		J		P ±10% b	R ±10% b	JO ±10% b	HW +.06 to -.03 b	JW ±.03 b
	Min. a	Max. b	Min. a	Max. b					
222F211	23.9 [.94]	9.9 [.39]	17.3 [.68]	6.6 [.26]	105.2 [4.14]	18.5 [.73]	87.6 [3.45]	1.52 [.06]	1.52 [.06]
222F221	27.2 [1.07]	13.2 [.52]	20.8 [.82]	7.6 [.30]	124.0 [4.88]	19.8 [.78]	99.1 [3.90]	1.52 [.06]	1.52 [.06]
222F232	31.0 [1.22]	18.5 [.73]	24.4 [.96]	8.9 [.35]	146.3 [5.76]	20.8 [.82]	114.3 [4.50]	1.78 [.07]	1.52 [.06]
222F242	35.6 [1.40]	22.1 [.87]	28.7 [1.13]	10.2 [.40]	172.2 [6.78]	21.8 [.86]	132.6 [5.22]	1.78 [.07]	1.52 [.06]
222F253	38.9 [1.53]	28.2 [1.11]	31.5 [1.24]	10.9 [.43]	185.2 [7.29]	24.4 [.96]	143.8 [5.66]	1.78 [.07]	1.52 [.06]
222F263	45.2 [1.78]	32.3 [1.27]	38.4 [1.51]	12.7 [.50]	213.6 [8.41]	27.4 [1.08]	169.2 [6.66]	1.78 [.07]	1.52 [.06]
222F274	51.6 [2.03]	41.1 [1.62]	44.5 [1.75]	15.0 [.59]	224.5 [8.84]	29.5 [1.16]	173.2 [6.82]	1.78 [.07]	1.78 [.07]
222F285	62.7 [2.47]	42.9 [1.69]	47.2 [1.86]	17.5 [.69]	227.3 [8.95]	33.3 [1.31]	168.1 [6.62]	2.03 [.08]	1.78 [.07]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

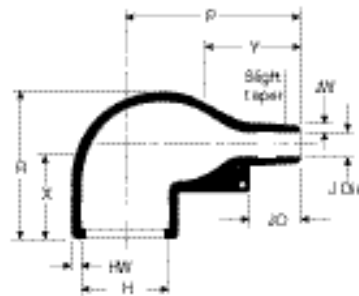
222K121 to 185

Right-Angled, Lipped Boot

As Supplied (a)



After Unrestricted Recovery (b)



For eyelet clip, order CS-1858 option.



Applications

Use in conjunction with Raychem adapters to provide strain relief for harness systems using circular connectors. Boot is compatible with all Raychem grooved adapters of the appropriate shell size.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/180	S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

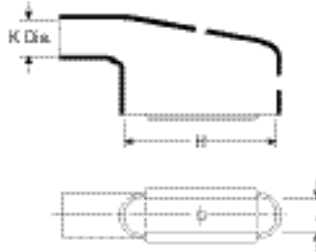
Part No.	H			J			P ±10% b	R ±10% b	JO ±10% b	HW ±20% b	JW ±20% b	X ±20% b	Y ±20% b
	Min.		Max. b	Min.		Max. b							
	-3,-4,-25 a	-100 a		-3,-4,-25 a	-100 a								
222K121	24.0 [.95]	24.0 [.95]	10.4 [.41]	24.0 [.95]	14.0 [.55]	5.6 [.22]	25.0 [.98]	25.0 [.98]	8.5 [.33]	1.3 [.05]	.41 [.016]	18.0 [.71]	16.0 [.63]
222K132	30.0 [1.18]	30.0 [1.18]	14.2 [.56]	30.0 [1.18]	15.0 [.59]	5.9 [.23]	32.0 [1.26]	27.0 [1.06]	8.5 [.33]	1.5 [.06]	.61 [.024]	18.0 [.71]	20.0 [.79]
222K142	31.0 [1.22]	31.0 [1.22]	18.0 [.71]	31.0 [1.22]	18.0 [.71]	7.1 [.28]	39.0 [1.54]	31.0 [1.22]	15.0 [.59]	1.8 [.07]	.81 [.032]	18.0 [.71]	20.0 [.79]
222K152	36.0 [1.42]	36.0 [1.42]	22.4 [.88]	36.0 [1.42]	21.0 [.83]	8.4 [.33]	46.0 [1.81]	38.0 [1.50]	18.0 [.63]	1.8 [.07]	.81 [.032]	25.0 [.98]	25.0 [.98]
222K163	43.0 [1.69]	43.0 [1.69]	28.2 [1.11]	43.0 [1.69]	25.0 [.98]	9.9 [.39]	55.0 [2.17]	45.0 [1.77]	17.5 [.69]	2.0 [.08]	.81 [.032]	25.0 [.98]	30.0 [1.18]
222K174	60.0 [2.36]	52.0 [2.05]	35.1 [1.38]	60.0 [2.36]	39.0 [1.54]	15.7 [.62]	80.0 [3.15]	54.0 [2.13]	32.0 [1.26]	3.3 [.13]	1.02 [.040]	25.0 [.98]	45.0 [1.77]
222K185	66.0 [2.60]	66.0 [2.60]	44.5 [1.75]	66.0 [2.60]	42.0 [1.65]	16.8 [.66]	108.0 [4.25]	68.0 [2.68]	48.0 [1.89]	3.8 [.15]	1.63 [.064]	35.0 [1.38]	70.0 [2.76]

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

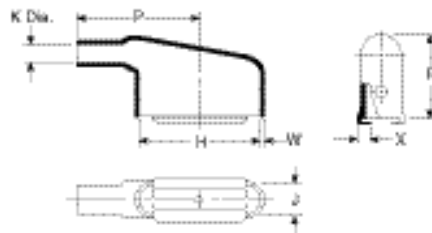
Available in:	Americas	Europe	Asia Pacific
	■	■	■

**D-Subminiature,
Right-Angled Boot**

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection on D-subminiature connector terminations.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125
-100	Polyolefin, Zerohal	/180	S-1030

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

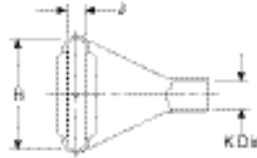
Part No.	H		J		K		P ±10% b	R ±10% b	W ±20% b	X ±20% b	This Boot Fits Cannon/ Cinch
	±5% a	±5% b	±5% a	±5% b	Min. a	Max. b					
234A011	20.3 [.80]	20.3 [.80]	10.7 [.42]	10.7 [.42]	7.9 [.31]	4.1 [.16]	25.9 [1.02]	21.6 [.85]	1.02 [.04]	3.05 [.12]	DE-9
234A021	28.2 [1.11]	28.2 [1.11]	10.7 [.42]	10.7 [.42]	10.2 [.40]	5.3 [.21]	30.7 [1.21]	24.6 [.97]	1.02 [.04]	3.05 [.12]	DA-15
234A032	42.2 [1.66]	42.2 [1.66]	10.7 [.42]	10.7 [.42]	14.0 [.55]	7.4 [.29]	42.9 [1.69]	27.9 [1.10]	1.02 [.04]	3.05 [.12]	DB-25
234A042	58.7 [2.31]	58.7 [2.31]	10.7 [.42]	10.7 [.42]	17.3 [.68]	8.6 [.34]	53.3 [2.10]	30.5 [1.20]	1.02 [.04]	3.05 [.12]	DC-37
234A052	57.9 [2.28]	57.9 [2.28]	13.7 [.54]	13.7 [.54]	19.1 [.75]	10.7 [.42]	55.9 [2.20]	32.3 [1.27]	1.02 [.04]	3.05 [.12]	DD-50
234A061	20.3 [.80]	20.3 [.80]	10.7 [.42]	10.7 [.42]	7.9 [.31]	3.8 [.15]	25.9 [1.02]	18.5 [.73]	1.02 [.04]	3.05 [.12]	DE-9
234A071	28.2 [1.11]	28.2 [1.11]	10.7 [.42]	10.7 [.42]	10.2 [.40]	5.1 [.20]	30.7 [1.21]	19.8 [.78]	1.02 [.04]	3.05 [.12]	DA-15

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 (.06) max.

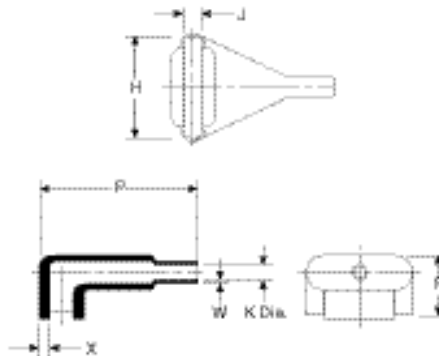
Available in:	Americas	Europe	Asia Pacific
	■	■	■

D-Subminiature, Side-Entry Boot

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection on D-subminiature connector terminations.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-25	Fluid-resistant elastomer	/42 or /86 or /225	S-1017 or S-1048 or S-1125

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

Part No.	H		J		K		P	R	W	X	This Boot Fits Cannon/Cinch
	±5% a	±5% b	±5% a	±5% b	Min. a	Max. b					
234A111	20.3 [.80]	20.3 [.80]	10.7 [.42]	10.7 [.42]	7.9 [.31]	4.1 [.16]	27.9 [1.10]	18.5 [.73]	1.02 [.04]	3.05 [.12]	DE-9
234A121	28.2 [1.11]	28.2 [1.11]	10.7 [.42]	10.7 [.42]	10.2 [.40]	5.3 [.21]	35.1 [1.38]	18.8 [.74]	1.02 [.04]	3.05 [.12]	DA-15
234A132	42.2 [1.66]	42.2 [1.66]	10.7 [.42]	10.7 [.42]	14.0 [.55]	6.4 [.25]	47.5 [1.87]	20.1 [.79]	1.02 [.04]	3.05 [.12]	DB-25
234A142	58.7 [2.31]	58.7 [2.31]	10.7 [.42]	10.7 [.42]	17.3 [.68]	7.9 [.31]	59.7 [2.35]	20.1 [.79]	1.02 [.04]	3.05 [.12]	DC-37
234A152	57.9 [2.28]	57.9 [2.28]	13.7 [.54]	13.7 [.54]	19.1 [.75]	9.1 [.36]	63.2 [2.49]	26.4 [1.04]	1.02 [.04]	3.05 [.12]	DD-50

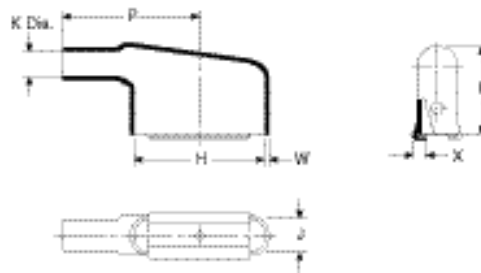
Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

Available in:	Americas	Europe	Asia Pacific
	■	■	■

As Supplied (a)



After Unrestricted Recovery (b)



Applications

Provides strain relief and mechanical protection on D-subminiature connector terminations.

Materials Available

Material*	Material Description	Precoating No.	Adhesive Part No.**
-3	Semirigid polyolefin	/42 or /86	S-1017 or S-1048
-4	Flexible polyolefin	/42 or /86	S-1017 or S-1048
-25	Fluid-resistant elastomer	/42 or /86	S-1017 or S-1048 or S-1125

*For more information, please see the appropriate material page in this section.

**For more information, please see section 5.

Product Dimensions

Part No.	H		J		K		P ±10% b	R ±10% b	W ±20% b	X ±20% b	This Boot Fits Cannon/Cinch
	±5% a	±5% b	±5% a	±5% b	Min. a	Max. b					
234A611	16.0 [.63]	20.3 [.80]	16.0 [.63]	10.7 [.42]	16.0 [.63]	4.1 [.16]	25.9 [1.02]	21.6 [.85]	1.02 [.04]	3.05 [.12]	DE-9
234A621	19.1 [.75]	28.2 [1.11]	19.1 [.75]	10.7 [.42]	19.1 [.75]	5.3 [.21]	30.7 [1.21]	24.6 [.97]	1.02 [.04]	3.05 [.12]	DA-15
234A632	29.2 [1.15]	42.2 [1.66]	29.2 [1.15]	10.7 [.42]	29.2 [1.15]	7.4 [.29]	42.9 [1.69]	27.9 [1.10]	1.02 [.04]	3.05 [.12]	DB-25
234A642	34.3 [1.35]	58.7 [2.31]	34.3 [1.35]	10.7 [.42]	34.3 [1.35]	8.6 [.34]	53.3 [2.10]	30.5 [1.20]	1.02 [.04]	3.05 [.12]	DC-37
234A652	37.6 [1.48]	57.9 [2.28]	37.6 [1.48]	13.7 [.54]	37.6 [1.48]	10.7 [.42]	55.9 [2.20]	32.3 [1.27]	1.02 [.04]	3.05 [.12]	DD-50
234A661	16.0 [.63]	20.3 [.80]	16.0 [.63]	10.7 [.42]	16.0 [.63]	3.8 [.15]	25.9 [1.02]	18.5 [.73]	1.02 [.04]	3.05 [.12]	DE-9
234A671	19.1 [.75]	28.2 [1.11]	19.1 [.75]	10.7 [.42]	19.1 [.75]	5.1 [.20]	30.7 [1.21]	19.8 [.78]	1.02 [.04]	3.05 [.12]	DA-15

Note: Coating is optional. As supplied dimensions appearing in table are for uncoated parts. When coating is added, entry diameters will be reduced by 1.5 [.06] max.

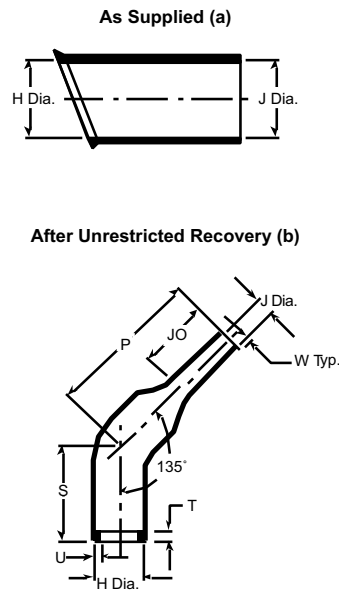
Available in:	Americas	Europe	Asia Pacific
	■	■	■

242W042 to 63

45° Angled Boot

Applications

Designed for use in the aggressive environments found adjacent to engines in automotive, aerospace and military applications, heat-shrinkable molded parts provide rugged protection, strain relief and a full 360° environmental seal. The introduction of the 45° option means there is now a choice of three routes to the connector for closer positioning and greater design freedom.



Compatibility Chart

Material Dash Number	Material Description	Precoating No.	Adhesive Part No.
-3	Polyolefin, semirigid	/42, /86	S-1017 or S-1048
-4	Polyolefin, flexible	/42, /86	S-1017 or S-1048
-25	Elastomer, fluid-resistant	/42, /86, /225	S-1017, S-1125 or S-1048
-130	Polyolefin, commercial flexible	/42, /86	S-1017 or S-1048
-12	Viton	N/A	S-1255-04
-100	Polyolefin, Zerohal	/180	S-1030

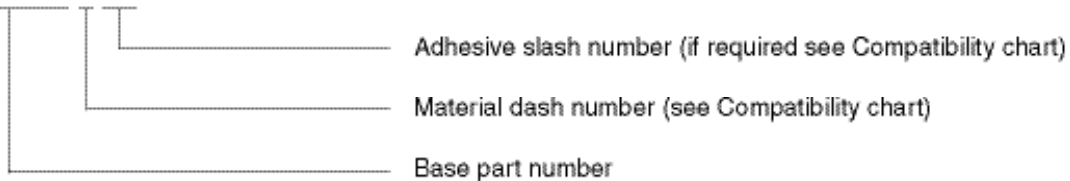
Product Dimensions

Part No.	H		J			P ± 10% b	S ± 10% b	T ± 10% b	U ± 10% b	JO ± 10% b	W ± 20% b
	Min. a	Max. b	Min. a		Max. b						
242W042	31.0 [1.22]	7.9 [.31]	18.0 [.71]	31.0 [1.22]	7.0 [.28]	55.0 [2.17]	35.0 [1.38]	3.5 [.14]	2.0 [.08]	25.0 [.98]	1.8 [.07]
242W053	36.0 [1.42]	2.1 [.08]	21.0 [.83]	36.0 [1.42]	8.4 [.33]	60.0 [2.36]	40.0 [1.58]	3.5 [.14]	2.0 [.08]	30.0 [1.18]	2.0 [.08]
242W063	43.0 [1.69]	7.9 [31]	25.0 [.99]	43.0 [1.69]	9.9 [.39]	65.0 [2.56]	45.0 [1.77]	3.5 [.14]	2.0 [.08]	35.0 [1.38]	2.2 [.09]

As supplied dimensions are for uncoated parts, when coating is added, entry diameters will reduce by 1.5 [.06] max.

Ordering Information

242W0XX-X/XX-0



Available in:	Americas	Europe	Asia Pacific
	■	■	■