

ENDOT INDUSTRIES

DUCT AND INNERDUCT

 TECHNICAL SPECIFICATIONS

ENDUCT/BORE DUCT SMOOTHWALL DUCT AND INNERDUCT

Ideal for directional boring projects, ENDUCT Bore Duct is smoothwall duct produced from premium polyethylene resin (HDPE) for high tensile strength and maximum crush resistance.

SPECIFICATIONS:

ENDUCT P/N	SDR	SIZE	Nominal I.D.	O.D.	MINIMUM WALL THICKNESS
ASTM F2160* (ASTM D3035) - O.D. Controlled Bore Duct - SDR					
I DE 237	9	2" (50.8mm)	1.847" (46.9mm)	2.375" (60.3mm)	0.264" (6.7mm)
I DE 237	11	2" (50.8mm)	1.943" (49.4mm)	2.375" (60.3mm)	0.216" (5.5mm)
I DE 237	13.5	2" (50.8mm)	2.023" (51.4mm)	2.375" (60.3mm)	0.176" (4.5mm)
I DE 350	11	3" (76.2mm)	2.864" (72.7mm)	3.500" (88.9mm)	0.318" (8.1mm)
I DE 350	13.5	3" (76.2mm)	2.982" (75.7mm)	3.500" (88.9mm)	0.259" (6.6mm)
I DE 450	11	4" (101.6mm)	3.682" (93.5mm)	4.500" (114.3mm)	0.409" (10.4mm)
I DE 450	13.5	4" (101.6mm)	3.834" (97.4mm)	4.500" (114.3mm)	0.333" (8.46mm)
ASTM F2160* (ASTM D2447) - O.D. Controlled Bore Duct (Schedule 40 and 80)					
I DE 237	Sch. 80	2" (50.8mm)	1.939" (49.3mm)	2.375" (60.3mm)	0.218" (5.5mm)
I DE 237	Sch. 40	2" (50.8mm)	2.067" (52.5mm)	2.375" (60.3mm)	0.154" (3.9mm)
I DE 350	Sch. 80	3" (76.2mm)	2.900" (73.7mm)	3.500" (88.9mm)	0.300" (7.6mm)
I DE 350	Sch. 40	3" (76.2mm)	3.068" (77.9mm)	3.500" (88.9mm)	0.216" (5.5mm)
I DE 450	Sch. 80	4" (101.6mm)	3.826" (97.2mm)	4.500" (114.3mm)	0.337" (8.6mm)
I DE 450	Sch. 40	4" (101.6mm)	4.026" (102.3mm)	4.500" (114.3mm)	0.237" (6.0mm)
ASTM D2239 - I.D. Controlled Bore Duct - SDR					
I DE 307	11.5	3" (76.2mm)	3.068" (77.9mm)	3.602" (77.8mm)	0.267" (6.8mm)
I DE 403	11.5	4" (101.6mm)	4.026" (102.3mm)	4.726" (120.0mm)	0.350" (8.9mm)

*ASTM F2160 REPLACES ASTM D3035 AND D2447 FOR INNERDUCT PRODUCTS

BORE DUCT PART NUMBER SYSTEM - One Selection from Each Column (in order from left to right) Creates a complete Product Part Number

EXAMPLE - 4", on a 114" Reel, Empty, Black, SDR 11 = **IDE 450 35 01 01 14**

PRODUCT	SIZE	REEL	PULL LINE	COLOR	SDR (ASTM)
I DE = smoothwall	206 = ASTM D2239 - 2"	39 = 72" steel	01 = empty	01 = blk	02 = 11.5 (2239)
	237 = ASTM F2160 - 2"	32 = 84" steel	11 = 1250# kevlar/polyester	02 = org	03 = 9 (2239)
	307 = ASTM D2239 - 3"	33 = 96" x 44" steel	12 = 1800# kevlar/polyester	03 = grn	04 = 7 (2239)
	350 = ASTM F2160 - 3"	34 = 96" x 55" steel	13 = 1000# polyester	04 = red	05 = 15 (2239)
	403 = ASTM D2239 - 4"	35 = 114" X 44" steel	14 = 1250# polyester	06 = blue	12 = 15.5 (2160)
	450 = ASTM F2160 - 4"		15 = 1800# polyester		13 = 13.5 (2160)
					14 = 11 (2160)
					16 = 9 (2160)
					18 = Schd. 40 (2160)
					19 = Schd. 80 (2160)

For product Quantity per Reel refer to Endot Reel Capacity Charts.

Endot Industries, Inc. produces a complete line of smoothwall and ribbed duct from 1/2" through 4", in various ASTM specifications and SDR's. Please give us a call with your specific requirements and we will promptly provide a quotation.



CORPORATE HEADQUARTERS
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PLANT LOCATIONS
South Point, OH
Greeneville, TN
Pryor Creek, OK

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ENDUCT SMOOTHWALL DUCT AND INNERDUCT

ASTM F2160* (& D2447) - O.D. CONTROLLED

PART NO.*	SCHEDULE	Nominal		I.D.	MINIMUM WALL
		SIZE	O.D.		
I DE 086	40	3/4" (19mm)	1.050" (26.7mm)	0.824" (20.9mm)	0.113" (2.9mm)
I DE 086	80	3/4" (19mm)	1.050" (26.7mm)	0.742" (18.8mm)	0.154" (3.9mm)
I DE 131	40	1" (25mm)	1.315" (33.4mm)	1.049" (26.6mm)	0.133" (3.4mm)
I DE 131	80	1" (25mm)	1.315" (33.4mm)	0.957" (24.3mm)	0.179" (4.5mm)
I DE 166	40	1 1/4" (32mm)	1.660" (42.2mm)	1.380" (35.1mm)	0.140" (3.6mm)
I DE 166	80	1 1/4" (32mm)	1.660" (42.2mm)	1.278" (32.5mm)	0.191" (4.9mm)
I DE 190	40	1 1/2" (38mm)	1.900" (48.3mm)	1.610" (40.9mm)	0.145" (3.7mm)
I DE 190	80	1 1/2" (38mm)	1.900" (48.3mm)	1.500" (38.1mm)	0.200" (5.1mm)
I DE 237	40	2" (51mm)	2.375" (60.3mm)	2.067" (52.5mm)	0.154" (3.9mm)
I DE 237	80	2" (51mm)	2.375" (60.3mm)	1.939" (49.3mm)	0.218" (5.5mm)

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ENDUCT PART NUMBER SYSTEM - One Selection from Each Column (in order from left to right)

Creates a complete Product Part Number

EXAMPLE - 1 1/4", 84" Reel, With 1250 lb. Polyester Tape, Orange, Schedule 40 = **IDE 166 32 14 02 18**

PRODUCT	SIZE (I.D.)	REEL	PULL LINE	COLOR	SDR
I DE = smoothwall	086 = 3/4"	39 = 72" steel	01 = empty	01 = blk	18 = Schd. 40
I DR = ribbed	131 = 1"	32 = 84" steel	11 = 1250# kevlar/poly	02 = org	19 = Schd. 80
	166 = 1 1/4"	33 = 96"x 44" steel	12 = 1800# kevlar/poly	03 = grn	
	190 = 1 1/2"	34 = 96"x 55" steel	13 = 1000# polyester	04 = red	
	237 = 2"	35 = 114" steel	14 = 1250# polyester	05 = yellow	
	350 = 3"		15 = 1800# polyester	06 = blue	
	450 = 4"		21 = 3/16" PP rope		
			22 = 1/4" PP rope		

For product Quantity per Reel refer to Endot Reel Capacity Charts.

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ASTM F2160* (& D3035) - O.D. CONTROLLED

PART NO.	SDR	Nominal		I.D.	MINIMUM WALL
		SIZE	O.D.		
I DE 086	9	3/4" (19mm)	1.050" (26.7mm)	0.816" (20.7mm)	0.117" (2.9mm)
I DE 086	11	3/4" (19mm)	1.050" (26.7mm)	0.860" (21.8mm)	0.095" (2.4mm)
I DE 086	13.5	3/4" (19mm)	1.050" (26.7mm)	0.894" (22.7mm)	0.078" (2.0mm)
I DE 131	9	1" (25mm)	1.315" (33.4mm)	1.023" (25.9mm)	0.146" (3.7mm)
I DE 131	11	1" (25mm)	1.315" (33.4mm)	1.075" (27.3mm)	0.120" (3.1mm)
I DE 131	13.5	1" (25mm)	1.315" (33.4mm)	1.121" (28.5mm)	0.097" (2.5mm)
I DE 166	9	1 1/4" (32mm)	1.660" (42.2mm)	1.292" (32.8mm)	0.184" (4.7mm)
I DE 166	11	1 1/4" (32mm)	1.660" (42.2mm)	1.358" (34.5mm)	0.151" (3.8mm)
I DE 166	13.5	1 1/4" (32mm)	1.660" (42.2mm)	1.414" (35.9mm)	0.123" (3.1mm)
I DE 190	9	1 1/2" (38mm)	1.900" (48.3mm)	1.478" (37.5mm)	0.211" (5.3mm)
I DE 190	11	1 1/2" (38mm)	1.900" (48.3mm)	1.554" (39.5mm)	0.173" (4.4mm)
I DE 190	13.5	1 1/2" (38mm)	1.900" (48.3mm)	1.618" (41.1mm)	0.141" (3.6mm)
I DE 237	9	2" (51mm)	2.375" (60.3mm)	1.847" (46.9mm)	0.264" (6.7mm)
I DE 237	11	2" (51mm)	2.375" (60.3mm)	1.943" (49.4mm)	0.216" (5.5mm)
I DE 237	13.5	2" (51mm)	2.375" (60.3mm)	2.023" (51.4mm)	0.176" (4.5mm)

*ASTM F2160 REPLACES ASTM D3035 AND D2447 FOR INNERDUCT PRODUCTS

ENDUCT PART NUMBER SYSTEM - One Selection from Each Column (in order from left to right)

Creates a complete Product Part Number

EXAMPLE - 1" SDR 13.5, ORANGE With 3/16" PP Rope on a 84" Reel = **IDE 131 32 21 02 13**

PRODUCT	SIZE (I.D.)	REEL	PULL LINE	COLOR	SDR
I DE = smoothwall	086 = 3/4"	39 = 72" steel	01 = empty	01 = blk	13 = 13.5
I DR = ribbed	131 = 1"	32 = 84" steel	11 = 1250# kevlar/poly	02 = org	14 = 11
	166 = 1 1/4"	33 = 96"x 44" steel	12 = 1800# kevlar/poly	03 = grn	16 = 9
	190 = 1 1/2"	34 = 96"x 55" steel	13 = 1000# polyester	04 = red	
	237 = 2"	35 = 114" steel	14 = 1250# polyester	05 = yellow	
	350 = 3"		15 = 1800# polyester	06 = blue	
	450 = 4"		21 = 3/16" PP rope		
			22 = 1/4" PP rope		

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ENDUCT TRUE SIZED INNERDUCT SPECIFICATIONS

ASTM F2160*

Innerduct produced with the Inside Diameter equal to the Nominal Size.

PART NO.	SDR	Nominal SIZE	O.D.	MINIMUM I.D.	MINIMUM WALL
I DE 095	9	3/4" (19mm)	0.951" (24.2mm)	0.760" (19.3mm)	0.083" (2.1mm)
I DE 095	11	3/4" (19mm)	0.951" (24.2mm)	0.798" (20.3mm)	0.066" (1.7mm)
I DE 126	9	1" (25mm)	1.259" (32.0mm)	1.005" (25.5mm)	0.111" (2.8mm)
I DE 126	11	1" (25mm)	1.259" (32.0mm)	1.049" (26.6mm)	0.091" (2.3mm)
I DE 156	9	1 1/4" (32mm)	1.569" (39.9mm)	1.249" (31.7mm)	0.139" (3.5mm)
I DE 156	11	1 1/4" (32mm)	1.569" (39.9mm)	1.305" (33.2mm)	0.114" (2.9mm)
I DE 188	9	1 1/2" (38mm)	1.883" (47.8mm)	1.500" (38.1mm)	0.167" (4.2mm)
I DE 188	11	1 1/2" (38mm)	1.883" (47.8mm)	1.570" (39.9mm)	0.136" (3.4mm)
I DE 251	9	2" (51mm)	2.510" (63.7mm)	2.000" (50.8mm)	0.222" (5.6mm)
I DE 251	11	2" (51mm)	2.510" (63.7mm)	2.089" (53.1mm)	0.182" (4.6mm)

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EXAMPLE - 1", SDR 11, Orange, with 3/16" PP Rope, on a 84" Steel Reel = **IDE 126 32 21 02 14**

PRODUCT	SIZE (I.D.)	REEL	PULL LINE	COLOR	SDR
I DE = smoothwall	095 = 3/4"	39 = 72" steel	01 = empty	01 = blk	16 = 9
I DR = ribbed	126 = 1"	32 = 84" steel	11 = 1250# kevlar/poly	02 = org	14 = 11
	156 = 1 1/4"	33 = 96" x 44" steel	12 = 1800# kevlar/poly	03 = grn	
	188 = 1 1/2"	34 = 96" x 55" steel	13 = 1000# polyester	04 = red	
	251 = 2"	35 = 114" steel	14 = 1250# polyester	05 = yellow	
			15 = 1800# polyester	06 = blue	
			21 = 3/16" PP rope		
			22 = 1/4" PP rope		

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1/05 1.5M