

Cable Ties

Nylon Cable Ties



NATURAL NYLON 6.6 CABLE TIES

B U L K	Part #	Length	Tensile Strength	Width	Bundle Diameter	Military Specification	Bulk Qty.
	MS0016	4"	18 lbs.	3/32"	1/16" → 5/8"	MS-3367-4-9	1000
MS0032	5.5"	40 lbs.	1/8"	1/16" → 1-1/4"	MS-3367-5-9	1000	
MS0050	8"	50 lbs.	1/8"	1/16" → 2-1/8"	MS-3367-4-9	1000	
MS0070	11"	50 lbs.	3/16"	1/16" → 3"	MS-3367-7-9	1000	
MS0108	15"	50 lbs.	3/16"	1/16" → 4"	MS-3367-2-9	500	

NATURAL NYLON 6.6 CABLE TIES

FOR PEG BOARD

B A G	Part #	Length	Tensile Strength	Width	Bundle Diameter	Military Specification	Bulk Qty.
	MS0016-C	4"	18 lbs.	3/32"	1/16" → 5/8"	MS-3367-4-9	100
MS0032-C	5.5"	40 lbs.	1/8"	1/16" → 1-1/4"	MS-3367-5-9	100	
MS0050-C	8"	50 lbs.	1/8"	1/16" → 2-1/8"	MS-3367-4-9	100	
MS0070-C	11"	50 lbs.	3/16"	1/16" → 3"	MS-3367-7-9	100	
MS0108-C	15"	50 lbs.	3/16"	1/16" → 4"	MS-3367-2-9	100	

NATURAL NYLON 6.6 CABLE TIES - EXTRA HEAVY DUTY

B U L K	Part #	Length	Tensile Strength	Width	Bundle Diameter	Military Specification	Bulk Qty.
	XMS0050	8"	120 lbs.	5/16"	3/16" → 2"	-	100
XMS0070	11"	120 lbs.	5/16"	3/16" → 3"	-	100	
XMS0108	15"	120 lbs.	5/16"	3/16" → 4"	-	100	
XMS0152	24"	175 lbs.	3/8"	3/16" → 7"	-	100	
XMS0225	36"	175 lbs.	3/8"	3/16" → 10"	-	100	
XMS0300	48"	175 lbs.	3/8"	3/16" → 12"	-	100	

BLACK WEATHER RESISTANT NYLON CABLE TIES

B U L K	Part #	Length	Tensile Strength	Width	Bundle Diameter	Military Specification	Bulk Qty.
	BWR0016	4"	18 lbs.	3/32"	1/16" → 5/8"	MS-3367-4-0	1000
BWR0032	5.5"	40 lbs.	1/8"	1/16" → 1-1/4"	MS-3367-5-0	1000	
BWR0050	8"	50 lbs.	1/8"	1/16" → 2-1/8"	MS-3367-4-0	1000	
BWR0070	11"	50 lbs.	3/16"	1/16" → 3"	MS-3367-7-0	1000	
BWR0108	15"	50 lbs.	3/16"	1/16" → 4"	MS-3367-2-0	500	

BLACK WEATHER RESISTANT NYLON CABLE TIES

FOR PEG BOARD

B A G	Part #	Length	Tensile Strength	Width	Bundle Diameter	Military Specification	Bulk Qty.
	BWR0016-C	4"	18 lbs.	3/32"	1/16" → 5/8"	MS-3367-4-0	100
BWR0032-C	5.5"	40 lbs.	1/8"	1/16" → 1-1/4"	MS-3367-5-0	100	
BWR0050-C	8"	50 lbs.	1/8"	1/16" → 2-1/8"	MS-3367-4-0	100	
BWR0070-C	11"	50 lbs.	3/16"	1/16" → 3"	MS-3367-7-0	100	
BWR0108-C	15"	50 lbs.	3/16"	1/16" → 4"	MS-3367-2-0	100	

BLACK WEATHER RESISTANT NYLON CABLE TIES - EXTRA H.D.

B U L K	Part #	Length	Tensile Strength	Width	Bundle Diameter	Military Specification	Bulk Qty.
	XBWR050	8"	120 lbs.	5/16"	3/16" → 2"	-	100
XBWR070	11"	120 lbs.	5/16"	3/16" → 3"	-	100	
XBWR108	15"	120 lbs.	5/16"	3/16" → 4"	-	100	
XBWR152	24"	175 lbs.	3/8"	3/16" → 7"	-	100	
XBWR225	36"	175 lbs.	3/8"	3/16" → 10"	-	100	
XBWR300	48"	175 lbs.	3/8"	3/16" → 12"	-	100	

- ◆ Manufactured of 100% Nylon
 - ◆ Non-Corrosive
 - ◆ Specification: Type 6.6 Nylon
 - ◆ Self-Extinguishing
 - ◆ Natural & Weather Resistant Black
 - ◆ Operating Temperatures From 40° F (-40° C) to 185° F (85° C).
 - ◆ Recognized Under the Components Program of Underwriter Laboratories, Inc.
- File # E 57800.

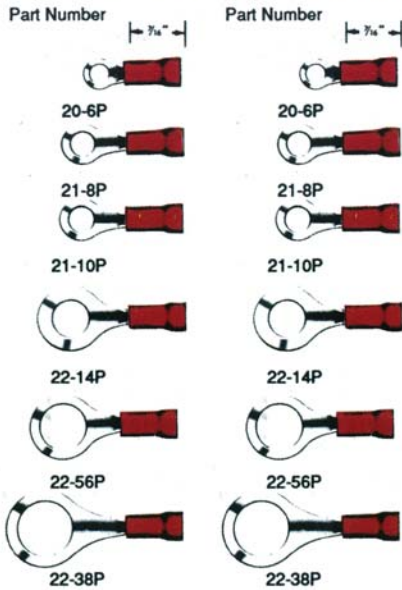
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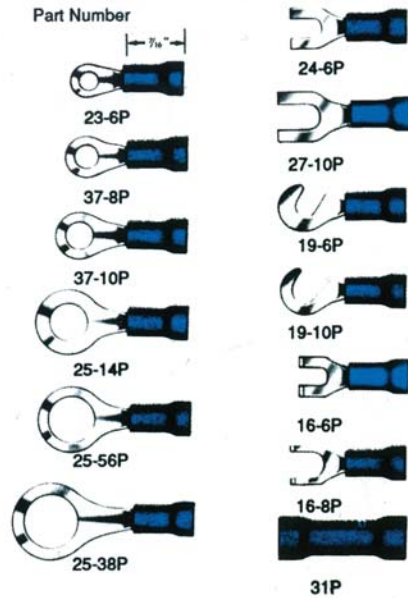
Wire Terminals

Terminals

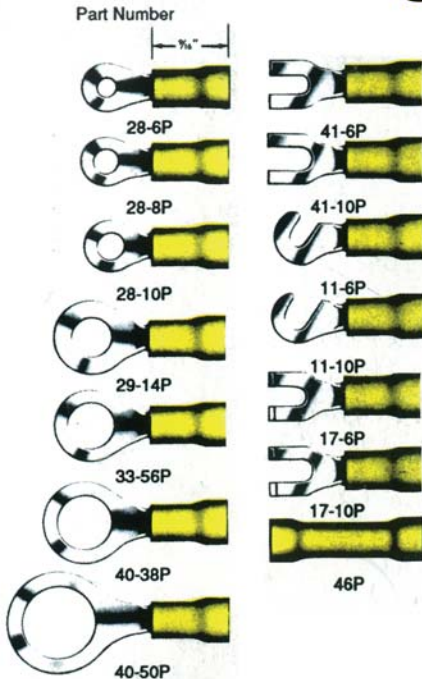
22-18 Wire Range



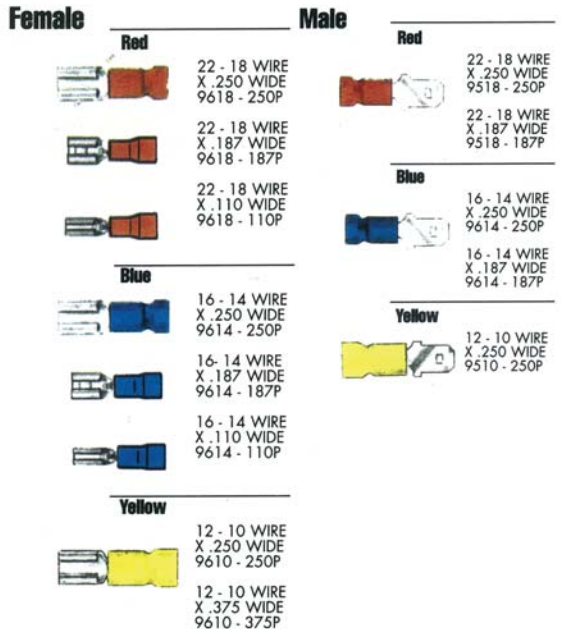
16-14 Wire Range



12-10 Wire Range



Push-On Terminals



Plugs, Connectors and Receptacles

Turn-Lock Plugs, Connectors and Receptacles

About NEMA Turn-Lock Plugs, Connectors, and Receptacles



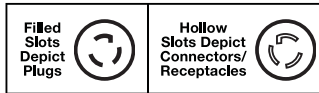
Plug



Connector



Receptacle



Turn-lock plugs, connectors, and receptacles lock firmly together with just a twist to prevent accidental disconnection. They conform to National Electrical Manufacturers' Association (NEMA) requirements. The diagrams below show the NEMA configurations for plugs and connectors/receptacles. Different NEMA turn-lock styles are not compatible; for example, an L5-15 plug will not fit an L5-20 receptacle. If you are buying a plug, the NEMA style must match your existing NEMA connector or receptacle (see page 786 for non-NEMA styles or page 787 for NEMA straight-blade styles).

First, check the device you want to replace for a NEMA-style

number. It may have a NEMA number ending with a "P," "C," or "R" signifying either a plug, connector, or receptacle. For example, an L5-15P is an L5-15 plug. If there is no style number, match the plug, connector, or receptacle you're replacing to a diagram in the chart below, making sure the voltage and amp ratings match your requirements.

Poles—The number of terminals to which current-carrying (power) conductors are connected.

Wires—The total number of poles plus an equipment grounding connection. Also corresponds to the total number of blades/pins on a plug.

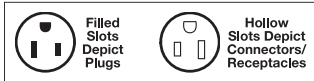
Three Blades—Two Power Plus One Ground (Two Pole, Three Wire)					
 125 VAC, 15 Amps L5-15	 125 VAC, 20 Amps L5-20	 125 VAC, 30 Amps L5-30	 250 VAC, 15 Amps L6-15	 250 VAC, 20 Amps L6-20	
 250 VAC, 30 Amps L6-30	 277 VAC, 15 Amps L7-15	 277 VAC, 20 Amps L7-20	 277 VAC, 30 Amps L7-30		
 480 VAC, 20 Amps L8-20	 480 VAC, 30 Amps L8-30	 600 VAC, 20 Amps L9-20	 600 VAC, 30 Amps L9-30		
Four Blades—Three Power Plus One Ground (Three Pole, Four Wire)					
 125/250 VAC, 20 Amps L14-20	 125/250 VAC, 30 Amps L14-30	 250 VAC, 20 Amps L15-20	 250 VAC, 30 Amps L15-30		
 480 VAC, 20 Amps L16-20	 480 VAC, 30 Amps L16-30	 600 VAC, 30 Amps L17-30			
Five Blades—Four Power Plus One Ground (Four Pole, Five Wire)					
 120/208 VAC 20 Amps L21-20	 120/208 VAC 30 Amps L21-30	 277/480 VAC 20 Amps L22-20	 277/480 VAC 30 Amps L22-30	 347/600 VAC 20 Amps L23-20	 347/600 VAC 30 Amps L23-30
Two Power Blades (Two Pole, Two Wire)		Three Power Blades (Three Pole, Three Wire)			
 125 VAC, 15 Amps L1-15	 250 VAC, 20 Amps L2-20	 125/250 VAC, 20 Amps L10-20	 125/250 VAC, 30 Amps L10-30		
Four Power Blades (Four Pole, Four Wire)					
 120/208 VAC 20 Amps L18-20	 120/208 VAC 30 Amps L18-30	 277/480 VAC 20 Amps L19-20	 277/480 VAC 30 Amps L19-30	 347/600 VAC 20 Amps L20-20	 347/600 VAC 30 Amps L20-30

Plugs, Connectors and Receptacles

Straight- Blade Plugs, Connectors and Receptacles

Straight-Blade Plugs, Connectors & Receptacles

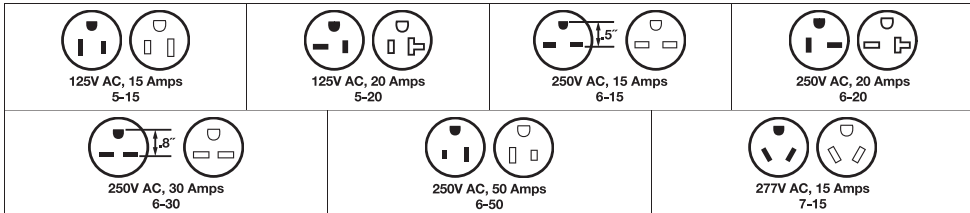
About NEMA Straight-Blade Plugs, Connectors, and Receptacles



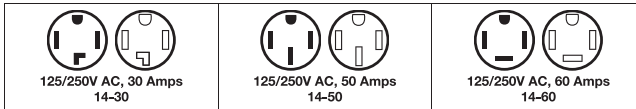
Straight-blade plugs, connectors, and receptacles conform to National Electrical Manufacturers' Association (NEMA) requirements. The diagrams below show the NEMA configurations for plugs and connectors/receptacles.

Note: The 15-amp (5-15, 6-15) connectors and receptacles are not compatible with the 20-amp (5-20, 6-20) plugs. For example, a 5-20 plug will not fit in a 5-15 connector or receptacle.

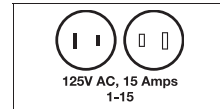
Three Blades—Grounded



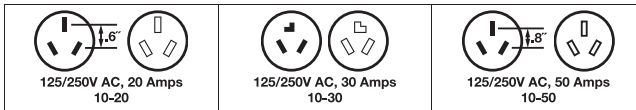
Four Blades—Grounded



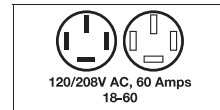
Two Blades—Non-Grounded



Three Blades—Non-Grounded

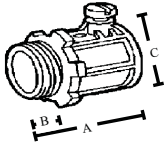


Four Blades—Non-Grounded



EMT Conduit

Couplings and Connectors



CAT#	A	B	C
631/631i1.16	.400	1.06	
632/632i1.39	.400	1.30	
633/633i1.55	.520	1.52	
634/634i1.93	.560	1.95	
635/635i2.28	.720	1.18	
636/636i2.50	.730	2.64	

EMT CONNECTORS

SET SCREW TYPE

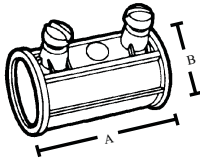
• CONCRETE TIGHT WHEN TAPED

ZINC DIE CAST

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
631	16290	1/2"	50	500	35
632	16300	3/4"	25	250	25
633	16310	1"	-	50	30
634	16320	1 1/4"	-	25	8
635	16330	1 1/2"	-	25	10
636	16340	2"	-	20	11



E18472
E148716



CAT#	A	B
641	1.53	0.93
642	1.92	1.16
643	1.00	1.44
644	2.52	1.84
645	2.85	2.05
646	3.41	2.51

EMT COUPLINGS

SET SCREW TYPE

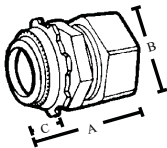
• CONCRETE TIGHT WHEN TAPED

ZINC DIE CAST

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
641	16490	1/2"	50	500	35
642	16500	3/4"	25	250	25
643	16510	1"	50	200	28
644	16520	1 1/4"	-	25	8
645	16530	1 1/2"	-	25	15
646	16540	2"	-	20	11



E18472



CAT#	A	B	C
651/651i1.26	1.10	.420	
652/652i1.34	1.31	.420	
653/653i1.49	1.67	.525	
654/654i1.67	2.10	.630	
655/655i1.87	2.30	.620	
656/656i2.01	2.85	.680	

EMT CONNECTORS

COMPRESSION TYPE

• CONCRETE TIGHT 1/2" - 4"

ZINC DIE CAST

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
651	16590	1/2"	50	500	50
652	16600	3/4"	25	250	35
653	16610	1"	50	200	40
654	16620	1 1/4"	-	25	10
655	16630	1 1/2"	-	20	11
656	16640	2"	-	15	12



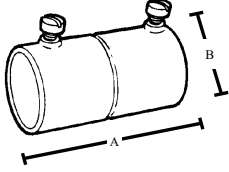
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EMT Conduit

Couplings and Connectors



CAT#	A	B
641S	1.750	.88
642S	2.125	1.06
643S	2.500	1.31
644S	3.25	1.69
645S	3.75	1.94
646S	4.00	2.38

EMT COUPLINGS

SET SCREW TYPE

• CONCRETE TIGHT WHEN TAPED

TOPAZ						STEEL
CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE	
641S	23200	1/2"	50	500	50	
642S	23210	3/4"	25	250	38	
643S	23220	1"	10	100	24	
644S	23230	1 1/4"	-	25	11	
645S	23240	1 1/2"	-	25	17	
646S	23250	2"	-	20	18	

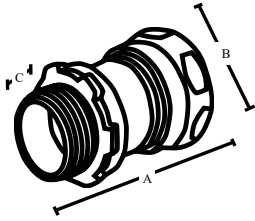


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EMT CONNECTORS

COMPRESSION TYPE

• CONCRETE TIGHT



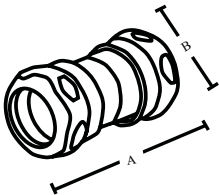
CAT#	A	B	C
651S/Si1.750	1.250	.406	
652S/Si1.813	1.563	.406	
653S/Si2.000	1.813	.406	
654S/Si2.750	2.188	.500	
655S/Si3.000	2.438	.500	
656S/Si3.188	2.938	.688	

TOPAZ						STEEL
CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE	
651S	16790	1/2"	25	250	30	
652S	16800	3/4"	25	250	43	
653S	16810	1"	10	100	25	
654S	16820	1 1/4"	-	25	12	
655S	16830	1 1/2"	-	20	12	
656S	16840	2"	-	15	15	



E18472

ELECTRICAL SUPPLIES



CAT#	A	B
661S	1.688	1.250
662S	2.000	1.563
663S	2.125	1.813
664S	3.063	2.188
665S	3.125	2.438
666S	3.375	2.938

EMT COUPLINGS

COMPRESSION TYPE

• CONCRETE TIGHT

TOPAZ						STEEL
CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE	
661S	17010	1/2"	25	250	32	
662S	17020	3/4"	25	250	40	
663S	17030	1"	10	100	31	
664S	17040	1 1/4"	-	25	15	
665S	17050	1 1/2"	-	20	15	
666S	17060	2"	-	15	18	



E18472

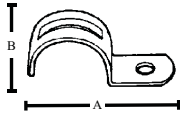
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EMT Conduit

Straps/Pull Elbows/Connectors

EMT STRAPS

SNAP-ON TYPE

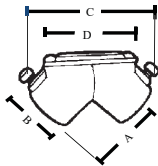


CAT#	A	B
511	1.79	.57
512	1.96	.62
513	2.25	.75
514	2.85	.88
515	3.16	.99
516	3.93	1.10

TOPAZ				STEEL	
CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
ONE HOLE					
511	15610	1/2"	100	1000	25
512	15620	3/4"	100	1000	30
513	15630	1" 50	500	25	
514	15640	1 1/4"	25	250	20
515	15650	1 1/2"	10	100	12
516	15660	2" 10	100	16	



E174011



CAT#	A	B	C	D
381	1.31	1.09	2.50	1.78
382	1.43	1.29	2.76	2.13
383	1.95	1.59	3.86	3.17
384	2.26	1.97	4.56	3.25

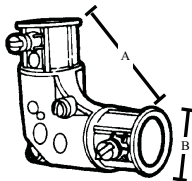
90° EMT PULL ELBOWS

SET SCREW TYPE

EMT TO EMT					
CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
381	13630	1/2"	10	100	24
382	13640	3/4"	5	50	19
383	13650	1"	-	25	16
384	13660	1 1/4"	-	20	20



E148720



CAT#	A	B
341	1.81	1.00
342	2.00	1.25

EMT TO EMT, INSIDE CORNER

CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
341	13470	1/2"	10	100	20
342	13480	3/4"	5	50	15

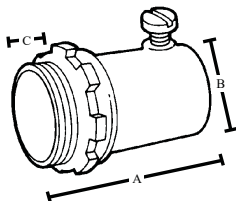


E18472

EMT CONNECTORS

SET SCREW TYPE

• CONCRETE TIGHT WHEN TAPED



CAT#	A	B	C
631S/Si1.469	1.063	.406	
632S/Si1.531	1.313	.438	
633S/Si1.625	1.563	.469	
634S/Si2.250	1.938	.563	
635S/Si2.500	2.250	.563	
636S/Si2.750	2.750	.563	

TOPAZ				STEEL	
CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
631S	23000	1/2"	50	500	50
632S	23010	3/4"	25	250	35
633S	23020	1"	50	200	46
634S	23030	1 1/4"	-	25	10
635S	23040	1 1/2"	-	25	14
636S	23050	2"	-	20	16



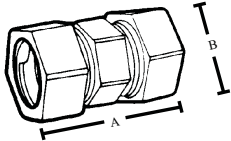
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EMT Conduit

Couplings/ Flexible Steel Conduit



CAT#	A	B
661	1.50	1.10
662	1.62	1.31
663	1.84	1.67
664	2.05	2.10
665	2.47	2.30
666	2.56	2.85

EMT COUPLINGS

COMPRESSION TYPE

• CONCRETE TIGHT 1/2" - 4"

ZINC DIE CAST

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
661	16910	1/2"	50	500	60
662	16920	3/4"	25	250	48
663	16930	1"	50	200	56
664	16940	1 1/4"	-	25	11
665	16950	1 1/2"	-	20	14
666	16960	2"	-	15	14



E18472

FLEXIBLE STEEL CONDUIT

• SMOOTH INTERIOR FOR EASY WIRE PULL THROUGH
• COIL STEEL



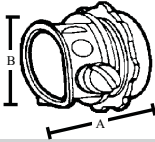
CAT#	Diameter	
	INNER	OUTER
5200/5250	.376	.571
5201	.634	.866
5202	.846	1.063
5203/C50	1.059	1.299
5204	1.343	1.535
5205/C25	1.520	1.850
5206	2.075	2.362

TOPAZ CAT #	UPC#	SIZE	FEET COIL	UNIT CTN	SHIP CASE	WT/ CASE
5200	80341	3/8"	100'	-	100	15
5250	85482	3/8"	250'	-	250	37
5201	80342	1/2"	100'	-	100	21
5202	80343	3/4"	100'	-	100	25
5203	80345	1"	100'	-	100	45
5203C50	5524	1"	50'	-	50	24
5204	82011	1-1/4"	50'	-	50	24
5205	80346	1-1/2"	50'	-	50	30
5205C25	5526	1-1/2"	25'	-	25	16
5206	80347	2"	25'	-	25	19

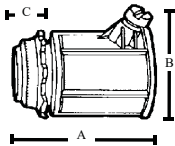


BX-FLEX-MC

Connectors and Couplings



CAT#	A	B	RANGE
130	.84	.64	.38 - .63

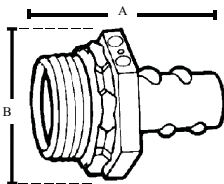
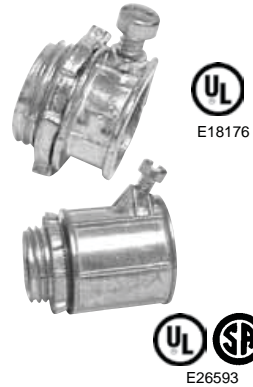


CAT#	A	B	C
121	1.38	1.26	.380
121A	1.54	1.50	.406

BX-FLEX CONNECTORS

SET SCREW TYPE		ZINC DIE CAST				
TOPAZ	BX	UNIT	SHIP	WT/		
CAT #	UPC#	SIZE	KO	CTN	CASE	CASE

STRAIGHT						
130	10830	3/8"	1/2"	100	1000	50
121	10700	1/2"	1/2"	25	250	25
121A	10701	3/4"	3/4"	25	250	25

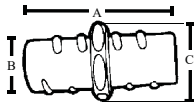


CAT#	A	B
450/450i	1.31	.92
451/451i	1.38	.92
452/452i	1.63	1.10
453/453i	1.94	1.38
454/454i	2.12	1.75
455/455i	2.31	2.13
456/456i	2.58	2.67

BX-FLEX CONNECTORS

SCREW IN TYPE		ZINC DIE CAST				
TOPAZ	BX	KO	UNIT	SHIP	WT/	
CAT #	UPC#	SIZE	SIZE	CTN	CASE	CASE

450	14030	3/8"	1/2"	50	500	30
451	14040	1/2"		50	500	30
452	14050	3/4"		25	250	25
453	14060	1"		25	250	40
454	14070	1 1/4"		10	100	28
455	14080	1 1/2"		10	40	15
456	14090	2"		10	40	25



CAT#	A	B	C
461	1.80	.92	1.062
462	2.09	1.12	1.372
463	2.41	1.37	1.687
464	2.74	1.81	2.125
465	3.05	2.12	2.375
466	3.27	2.67	2.937

FLEX COUPLINGS

SCREW IN TYPE		ZINC DIE CAST			
TOPAZ	CONDUIT	UNIT	SHIP	WT/	
CAT #	UPC#	SIZE	CTN	CASE	CASE

461	14190	1/2"	50	500	30
462	14200	3/4"	25	250	23
463	14210	1"	25	250	38
464	14220	1 1/4"	10	100	25
465	14230	1 1/2"	10	40	16
466	14240	2"	10	40	24



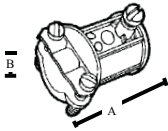
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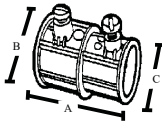
BX-FLEX-MC

Connectors and Couplings

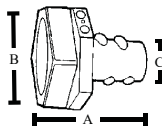
COMBINATION COUPLINGS



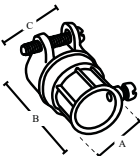
CAT#	A	B(Min)	B(Max)
180	1.35	0.17	0.63



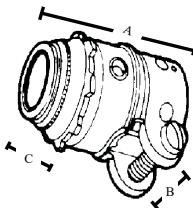
CAT#	A	B	C
590	1.25	.93	.78



CAT#	A	B	C
131	1.660	1.000	.723
132	1.680	1.180	.931
133	1.895	1.625	1.070



CAT#	A	B	C
181	.875	1.625	1.125



CAT#	A	B (Min-Max)	C	SCREWS
150	1.00	0.58-0.61	.370	1
151/i	1.47	0.74-0.95	.400	1
152/i	1.58	0.88-1.11	.400	1
153/i	1.75	1.14-1.38	.540	1
154/i	1.91	1.42-1.65	.640	1
155/i	2.09	1.68-1.94	.750	1
156/i	2.34	2.08-2.56	.740	1

ZINC DIE CAST

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
-------------	------	------	----------	-----------	----------

EMT TO BX OR NM CABLE					
• SET SCREW TO CLAMP TYPE					
180	11410	1/2"-3/8"	50	500	40

EMT TO BX					
• SET SCREW TYPE					
590	15780	1/2"-3/8"	25	250	15

EMT COMPRESSION TO FLEX					
• SCREW-IN TYPE					
131	10840	1/2"-1/2"	50	500	40
132	10850	3/4"-3/4"	25	250	28
133	10860	1"-1"	25	250	58

EMT TO FLEX					
• SET SCREW TO CLAMP TYPE					
181	11420	1/2"-1/2"	25	250	25
182	11430	3/4"-3/4"	-	100	15
182A	11431	1"-1"	-	50	13

BX-FLEX CONNECTORS

TOPAZ CAT #	UPC#	CONDUIT SIZE	UNIT CTN	SHIP CASE	WT/ CASE
-------------	------	--------------	----------	-----------	----------

STRAIGHT					
150	10990	3/8" 1/2" K50	500	500	35
151	11000	1/2"	25	250	25
152	11010	3/4"	25	250	32
153	11020	1"	10	100	20
154	11030	1 1/4"	10	100	29
155	11040	1 1/2"	5	50	20
156	11050	2"	10	40	21



E148716



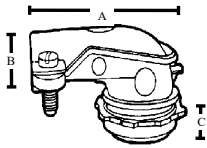
3/8"-2" E148716
2 1/2"-4" E170288

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BX-FLEX-MC

Connectors and Straps



BX-FLEX CONNECTORS

SQUEEZE TYPE 90° ANGLE

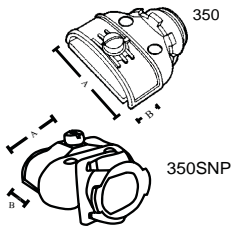
		MALLEABLE IRON			
CAT#	A	B	C	SCREWS	
100M	85239	3/8"	25	250	40
101M	10510	1/2"	25	250	40
102M	10520	3/4"	10	100	30
103M	10530	1"	5	50	30
104M	10540	1 1/4"	-	50	38
105M	10550	1 1/2"	-	5	5
106M	10560	2"	-	5	10

CAT#	A	B (Min-Max)	C	SCREWS
100M	1.750	0.78-0.95	.440	2
101M	1.750	0.78-0.95	.440	2
102M	1.810	0.91-1.02	.440	2
103M	2.060	1.25-1.38	.560	2
104M	2.810	1.41-1.63	.560	2
105M	3.810	1.75-2.00	.560	2
106M	4.750	2.19-2.44	.690	2



DUPLEX CONNECTORS

		ZINC DIE CAST		
TOPAZ	UNIT	SHIP	WT/	
CAT #	UPC#	SIZE	KO	CTN CASE CASE

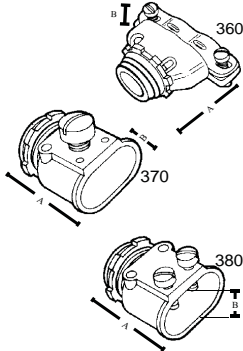


FOR BX-FLEX, NM & MC CABLE

• 1 SCREW CLAMP TYPE

350	13490	3/8"	1/2"	25	250	32
-----	-------	------	------	----	-----	----

FITS ALUMINUM SMOOTH EXTRUDED MC RANGE .210-.500



• 1 SCREW CLAMP TYPE
• SNAPLOCK

350SNP	85168	3/8"		10	100	14
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• 2 SCREW CLAMP TYPE

360	13500	3/8"	1/2"	25	250	32
-----	-------	------	------	----	-----	----

FITS ALUMINUM SMOOTH EXTRUDED MC RANGE .210-.500



CAT#	A	B (Min)	B (Max)
------	---	---------	---------

350	1.57	.13	.65
360	1.59	.24	.63
350SNP	.57	.13	.65

CAT#	A	B (Min)	C
------	---	---------	---

370	1.42	.63	---
380	1.42	.63	---

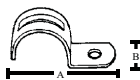
FOR BX-FLEX

• 1 SCREW SET SCREW TYPE

370	13590	3/8"	1/2"	25	250	28
-----	-------	------	------	----	-----	----

• 2 SCREW SET SCREW TYPE

380	13600	3/8"	1/2"	25	250	25
-----	-------	------	------	----	-----	----



CAT#	A	B
510BX	1.25	.48
1101TC	.625	.5
1105TC	.75	.562
1106TC	1.00	.625

BX STRAP

		STEEL		
TOPAZ	UNIT	SHIP	WT/	
CAT #	UPC#	SIZE	CTN	CASE CASE
510BX	15590	14/2 TO 10/3	100	1000 14
1101TC	14868	1/4" MINI	100	1000 13
1105TC	14872	1/2"	100	1000 14
1106TC	14871	9/16"	100	1000 16

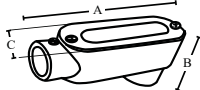


ELECTRICAL SUPPLIES

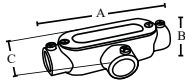
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Conduit Bodies

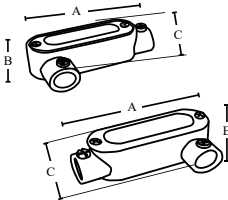
Conduit Bodies w/ Covers and Gaskets



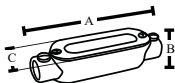
CAT#	A	B	C
ELB1CG4.295	2.150	1.330	
ELB2CG5.090	2.430	1.540	
ELB3CG6.915	2.765	1.740	
ELB4CG7.894	3.665	2.490	
ELB5CG7.894	3.665	2.490	
ELB6CG0.134	4.275	3.100	



CAT#	A	B	C
ET1CG 4.720	1.370	2.030	
ET2CG 5.570	1.625	2.335	
ET3CG 6.460	1.900	2.705	
ET4CG 8.528	2.770	3.630	
ET5CG 8.528	2.770	3.630	
ET6CG 10.831	3.335	3.980	



CAT#	A	B	C
ER1CG/ELL1CG4.295	1.370	2.030	
ER2CG/ELL2CG6.090	1.625	2.330	
ER3CG/ELL3CG6.915	1.900	2.650	
ER4CG/ELL4CG8.894	2.770	3.385	
ER5CG/ELL5CG8.894	2.770	3.385	
ER6CG/ELL6CG0.134	3.353	3.810	



CAT#	A	B	C
EC1CG 4.720	1.370	1.330	
EC2CG 5.570	1.625	1.540	
EC3CG 6.460	1.900	1.740	
EC4CG 8.528	2.770	2.490	
EC5CG 8.528	2.770	2.490	
EC6CG 10.831	3.335	3.100	

CONDUIT BODIES WITH COVERS & GASKETS

EMT SET SCREW TYPE

		COPPER FREE ALUMINUM		
TOPAZ	MAX #	UNIT	SHIP	WT/
CAT #	UPC#	SIZE	CONDUCTORS	CTN CASECASE
EMT LB TYPE				
ELB1CG20471		1/2"	1#6AWG	10 100 32
ELB2CG20481		3/4"	2#6AWG	10 50 23
ELB3CG20491		1"	3#6AWG	5 25 19
ELB4CG20501		1 1/4"	3#2AWG	2 10 14
ELB5CG20511		1 1/2"	3#2AWG	2 10 15
ELB6CG20521		2"	3#2/0AWG	1 5 14



E195124

EMT T TYPE

ET1CG20691	1/2"	1#6AWG	5	50	38
ET2CG20701	3/4"	2#6AWG	10	50	30
ET3CG20711	1"	3#6AWG	5	25	20
ET4CG20721	1 1/4"	3#2AWG	2	10	19
ET5CG20731	1 1/2"	3#2AWG	2	10	21
ET6CG20745	2"	3#2/0AWG	-	2	5



E195124

EMT LR TYPE

ER1CG20631	1/2"	1#6AWG	10	100	36
ER2CG20641	3/4"	2#6AWG	5	10	28
ER3CG20651	1"	3#6AWG	5	25	17
ER4CG20661	1 1/4"	3#2AWG	2	10	15
ER5CG20671	1 1/2"	3#2AWG	2	10	18
ER6CG20685	2"	3#2/0AWG	1	5	14



E195124

EMT LL TYPE

ELL1CG20571	1/2"	1#6AWG	10	100	30
ELL2CG20581	3/4"	2#6AWG	5	50	23
ELL3CG20591	1"	3#6AWG	5	25	18
ELL4CG20601	1 1/4"	3#2AWG	2	10	14
ELL5CG20611	1 1/2"	3#2AWG	2	10	16
ELL6CG20625	2"	3#2/0AWG	1	5	14



E195124

EMT C TYPE

EC1CG20411	1/2"	1#6AWG	10	100	24
EC2CG20421	3/4"	2#6AWG	5	50	21
EC3CG20431	1"	3#6AWG	5	25	25
EC4CG20441	1 1/4"	3#2AWG	5	25	15
EC5CG20451	1 1/2"	3#2AWG	5	10	17
EC6CG20465	2"	3#2/0AWG	1	5	13



E195124

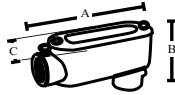
Conduit Bodies

Conduit Bodies w/ Covers and Gaskets

CONDUIT BODIES WITH COVERS & GASKETS

EMT AND RIGID COMBINATION

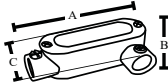
• POWDER COATED BODY & COVER ALUMINUM
TOPAZ
CAT # UPC# SIZE CONDUCTORS MAX # UNIT SHIPWT/ CTN CASEASE



CAT#	A	B	C
LB1SSCG4.56	2.06	1.31	1.31
LB2SSCG5.31	2.37	1.48	1.48
LB3SSCG6.25	2.63	1.75	1.75
LB4SSCG8.22	3.50	2.40	2.40
LB5SSCG8.22	3.75	2.40	2.40
LB6SSCG10.13	4.28	3.10	3.10



E195124



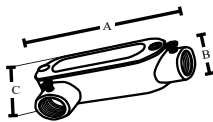
CAT#	A	B	C
LL1SSCG.56	1.31	2.06	2.06
LL2SSCG.31	1.62	2.23	2.23
LL3SSCG.25	1.88	2.50	2.50
LL4SSCG.22	2.50	3.40	3.40
LL5SSCG.22	2.67	3.48	3.48
LL6SSCG0.48	3.29	4.07	4.07

EMT & RIGID LL TYPE

LL1SSCG3774	1/2"	1#6AWG	10	100	36
LL2SSCG3775	3/4"	2#6AWG	10	50	23
LL3SSCG3776	1"	3#6AWG	5	25	19
LL4SSCG3777	1 1/4"	3#2AWG	2	10	15
LL5SSCG3778	1 1/2"	3#2AWG	2	10	16
LL6SSCG3779	2"	3#2/0AWG	-	5	14



E195124



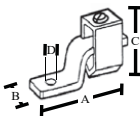
CAT#	A	B	C
LR1SSCG.56	1.31	2.06	2.06
LR2SSCG.31	1.62	2.23	2.23
LR3SSCG.25	1.88	2.50	2.50
LR4SSCG.22	2.50	3.40	3.40
LR5SSCG.22	2.67	3.48	3.48
LR6SSCG0.48	3.29	4.07	4.07

EMT & RIGID LR TYPE

LR1SSCG3780	1/2"	1#6AWG	10	100	36
LR2SSCG3781	3/4"	2#6AWG	10	50	28
LR3SSCG3782	1"	3#6AWG	5	25	17
LR4SSCG3783	1 1/4"	3#2AWG	2	10	15
LR5SSCG3784	1 1/2"	3#2AWG	2	10	18
LR6SSCG3785	2"	3#2/0AWG	-	5	14



E195124



CAT#	A	B	C	D
820	1.00	.3125	.6875	.125
821	1.1875	.375	.75	.1875
822	1.3125	.50	.8125	.25
823	1.5313	.50	1.00	.25
824	1.9888	.625	1.375	.25
825	2.1875	.75	1.5625	.375
826	2.625	1.00	2.00	.375
827	3.1875	1.00	2.625	.375
828	4.25	1.50	2.75	.375
829	4.625	2.00	3.6875	.50

SOLDERLESS LUGS

COPPER

TOPAZ AMP RECOMMENDED WIRE RANGE BOLT SHIPWT/
CAT # UPC# RATING TORQUE IN LBS MAX SIZE CASEASE

SINGLE HOLE

• OFFSET TANG

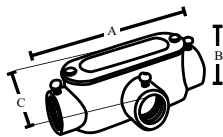
820	18270	25	20	14-10	1/8	250	3
821	1828035-50	45	45	14-6	3/16	250	6
822	18290	70	50	14-4	1/4	200	6
823	1830070-90	50	50	12-2	1/4	200	9
824	18310	125	50	8-1/0	1/4	100	11
825	18320	175	124	4-3/0	3/8	25	3
826	18330	225	204	6-4/0	5/16	25	6
827	18340	300	325	1/0-350 MCM	3/8	20	10
828	18350	400	375	4/0-500 MCM	3/8	10	7
829	18360	650	500	600MCM-1000 MCM/2		4	7



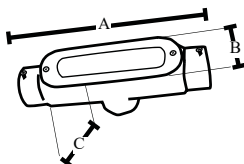
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Conduit Bodies

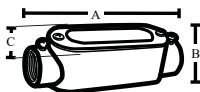
Conduit Bodies w/ Covers and Gaskets



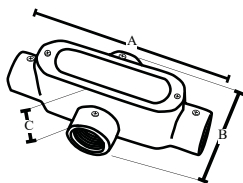
CAT#	A	B	C
T1SSCG5.35	1.31	2.02	
T2SSCG6.00	1.62	2.22	
T3SSCG7.06	1.88	2.56	
T4SSCG7.25	2.50	3.50	
T5SSCG8.25	2.67	3.50	
T6SSCG1.50	3.29	4.25	



CAT#	A	B	C
TB1SSCG5.35	1.31	2.02	
TB2SSCG6.00	1.62	2.22	
TB3SSCG7.06	1.88	2.56	
TB4SSCG7.25	2.50	3.50	
TB5SSCG8.25	2.67	3.50	
TB6SSCG1.50	3.29	4.25	



CAT#	A	B	C
C1SSCG5.35	1.31	1.31	
C2SSCG6.00	1.62	1.48	
C3SSCG7.06	1.88	1.75	
C4SSCG7.25	2.50	2.40	
C5SSCG8.25	2.67	2.40	
C6SSCG1.50	3.29	3.05	



CAT#	A	B	C
X1SSCG4.75	2.6875	1.625	
X2SSCG5.50	3.00	1.875	
X3SSCG6.50	3.50	2.125	
X4SSCG8.25	4.50	2.75	
X5SSCG8.25	4.50	2.75	
X6SSCG10.50	5.3750	3.625	

CONDUIT BODIES WITH COVERS & GASKETS

EMT AND RIGID COMBINATION

• POWDER COATED BODY & COVER		ALUMINUM			
TOPAZ	MAX #	UNIT	SHIP WT/		
CAT #	UPC#	SIZE	CONDUCTORS	CTN	CASECASE
EMT & RIGID T TYPE					
T1SSCG83792		1/2"	1#6AWG	10	100 38
T2SSCG83793		3/4"	2#6AWG	10	50 30
T3SSCG83794		1"	3#6AWG	5	25 20
T4SSCG83795		1 1/4"	3#2AWG	2	10 19
T5SSCG83796		1 1/2"	3#2AWG	2	10 21
T6SSCG83797		2"	3#2/0AWG	-	5 5



E195124

EMT & RIGID TB TYPE

TB1SSCG7572		1/2"	1#6AWG	10	100 38
TB2SSCG7573		3/4"	2#6AWG	10	50 30
TB3SSCG7574		1"	3#6AWG	5	25 18
TB4SSCG7575		1 1/4"	3#2AWG	2	10 17
TB5SSCG7576		1 1/2"	3#2AWG	2	10 19
TB6SSCG7577		2"	3#2/0AWG	-	5 14



E195124

EMT & RIGID C TYPE

C1SSCG3786		1/2"	1#6AWG	10	100 30
C2SSCG3787		3/4"	2#6AWG	10	50 25
C3SSCG3788		1"	3#6AWG	5	25 18
C4SSCG3789		1 1/4"	3#2AWG	2	10 17
C5SSCG3790		1 1/2"	3#2AWG	2	10 19
C6SSCG3791		2"	3#2/0AWG	-	5 14



E195124

EMT & RIGID X TYPE

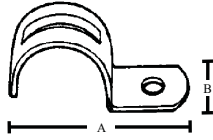
X1SSCG17566		1/2"	1#6AWG	5	50 20
X2SSCG17567		3/4"	2#6AWG	5	25 16
X3SSCG17568		1"	3#6AWG	2	10 7
X4SSCG17569		1 1/4"	3#2AWG	1	5 9
X5SSCG17570		1 1/2"	3#2AWG	1	5 10
X6SSCG17571		2"	3#2/0AWG	1	2 6



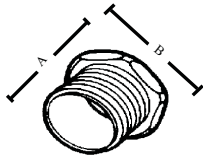
E195124

Rigid-IMC Conduit

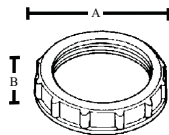
Straps/Nipples/Plastics/ Locknuts



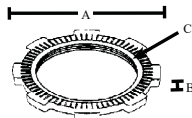
CAT#	A	B
531A	1.51	.562
531B	1.81	.562
531	1.91	.625
532	2.21	.750
533	2.57	.875
534	2.79	.880
535	3.69	.899
536	4.17	1.140



CAT#	A	B
751/751i	.68	1.02
751A	1.00	1.02
752A	1.00	1.29
752/752i	.75	1.29
753/753i	.87	1.53
754/754i	.94	1.89
755/755i	.91	2.30
756/756i	1.07	2.88



CAT#	A	B
831	1.06	.43
832	1.31	.43
833	1.59	.48
834	1.96	.56
835	2.18	.56
836	2.68	.59



CAT#	A	B	C
241	1.12	.15	.787-.797
242	1.33	.15	.999-1.009
243	1.68	.19	1.250-1.260
244	2.15	.19	1.595-1.605
245	2.35	.19	1.837-1.847
246	2.89	.19	2.307-2.317

RIGID STRAPS

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE	STEEL CASE
ONE HOLE						
• SNAP-ON TYPE 1/2" - 2"						
531A	15041	1/4"	100	1000	20	
531B	15045	3/8"	100	1000	20	
531	15050	1/2"	50	500	21	
532	15060	3/4"	50	500	15	
533	15070	1"	25	250	25	
534	15080	1 1/4"	20	200	20	
535	15090	1 1/2"	20	200	32	
536	15100	2"	10	100	22	



RIGID CONDUIT NIPPLES

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE	ZINC DIE CAST CASE
751	17860	1/2"	100	1000	40	
751A	17859	1/2" x 1" L	-	100	5	
752	17870	3/4"	50	500	30	
752A	17851	3/4" x 1" L	-	50	25	
753	17880	1"	25	250	25	
754	17890	1 1/4"	25	250	35	
755	17900	1 1/2"	25	100	20	
756	17910	2"	10	40	13	



INSULATING PLASTIC BUSHINGS

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE	THERMOPLASTIC CASE
105°C FLAME RETARDANT						
831	18450	1/2"	100	1000	6	
832	18460	3/4"	100	1000	9	
833	18470	1"	50	500	11	
834	18480	1 1/4"	25	250	5	
835	18490	1 1/2"	25	250	7	
836	18500	2"	20	200	12	



RIGID LOCKNUTS

TOPAZ CAT #	UPC#	SIZE	THREADS PER INCH	UNIT CTN	SHIP CASE	WT/ CASE	ZINC DIE CAST CASE
241	12040	1/2"	14	200	2000	20	
242	12050	3/4"	14	100	1000	20	
243	12060	1"	11 1/2	100	1000	20	
244	12070	1 1/4"	11 1/2	50	500	20	
245	12080	1 1/2"	11 1/2	50	500	20	
246	12090	2"	11 1/2	50	200	12	

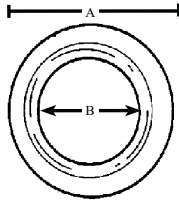


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Rigid-IMC Conduit

Reducing Washers



CAT#	A	B
900	1.420	.870
901	1.710	.870
902	1.710	1.060
903	2.080	.870
904	2.080	1.125
905	2.080	1.380
906	2.635	.870
907	2.635	1.060
908	2.635	1.335
909	2.635	1.690
910	3.265	.870
911	3.265	1.060
912	3.265	1.335
913	3.265	1.690
914	3.265	1.935
915	3.265	.870
916	3.265	1.060
917	3.265	1.370
918	3.265	1.750
919	3.265	1.995
920	3.265	2.425
921	4.490	.870
922	4.490	1.060
923	4.490	1.360
924	4.490	1.750
925	4.490	1.995
926	4.490	2.400
927	4.490	2.940
928	5.000	.870
929	5.000	1.060
930	5.000	1.380
931	5.000	1.710
932	5.000	1.980
933	5.000	2.435
934	5.000	2.920
935	5.000	3.560
936	5.500	.870
937	5.500	1.060
938	5.500	1.380
939	5.500	1.715
940	5.500	1.970
941	5.500	2.435
942	5.500	2.920
943	5.500	3.560
944	5.500	4.050

REDUCING WASHERS

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	STEEL WT/ CASE
900	19050	3/4" x 1/2"	100	100	2
901	19060	1" x 1/2"	100	100	2
902	19070	1" x 3/4"	100	100	2
903	19080	1 1/4" x 1/2"	50	50	2
904	19090	1 1/4" x 3/4"	50	50	2
905	19100	1 1/4" x 1"	50	50	1
906	19110	1 1/2" x 1/2"	50	50	2
907	19120	1 1/2" x 3/4"	50	50	4
908	19130	1 1/2" x 1"	50	50	4
909	19140	1 1/2" x 1 1/4"	50	50	2
910	19150	2" x 1/2"	25	25	2
911	19160	2" x 3/4"	25	25	2
912	19170	2" x 1"	25	25	2
913	19180	2" x 1 1/4"	25	25	2
914	19190	2" x 1 1/2"	25	25	2
915	19200	2 1/2" x 1/2"	25	25	2
916	19210	2 1/2" x 3/4"	25	25	2
917	19220	2 1/2" x 1"	25	25	2
918	19230	2 1/2" x 1 1/4"	25	25	2
919	19240	2 1/2" x 1 1/2"	25	25	1
920	19250	2 1/2" x 2"	25	25	1
921	19260	3" x 1/2"	25	25	6
922	19270	3" x 3/4"	25	25	5
923	19280	3" x 1"	25	25	5
924	19290	3" x 1 1/4"	25	25	4
925	19300	3" x 1 1/2"	25	25	3
926	19310	3" x 2"	25	25	2
927	19320	3" x 2 1/2"	25	25	2
928	19330	3 1/2" x 1/2"	10	10	3
929	19340	3 1/2" x 3/4"	10	10	3
930	19350	3 1/2" x 1"	10	10	3
931	19360	3 1/2" x 1 1/4"	10	10	3
932	19370	3 1/2" x 1 1/2"	10	10	3
933	19380	3 1/2" x 2"	10	10	3
934	19390	3 1/2" x 2 1/2"	10	10	2
935	19400	3 1/2" x 3"	10	10	2
936	19410	4" x 1/2"	10	10	3
937	19420	4" x 3/4"	10	10	3
938	19430	4" x 1"	10	10	3
939	19440	4" x 1 1/4"	10	10	2
940	19450	4" x 1 1/2"	10	10	2
941	19460	4" x 2"	10	10	2
942	19470	4" x 2 1/2"	10	10	2
943	19480	4" x 3"	10	10	2
944	19490	4" x 3 1/2"	10	10	1



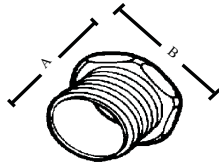
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Rigid-IMC Conduit

Rigid Conduit Nipples/ Split Bolt Connectors



CAT#	A	B
751/751i	.68	1.02
751A	1.00	1.02
752A	1.00	1.29
752/752i	.75	1.29
753/753i	.87	1.53
754/754i	.94	1.89
755/755i	.91	2.30
756/756i	1.07	2.88

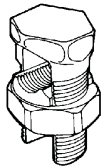
RIGID CONDUIT NIPPLES

ZINC DIE CAST

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
751	17860	1/2"	100	1000	40
751A	17859	1/2" x 1" L	-	100	5
752	17870	3/4"	50	500	30
752A	17851	3/4" x 1" L	-	50	25
753	17880	1"	25	250	25
754	17890	1 1/4"	25	250	35
755	17900	1 1/2"	25	100	20
756	17910	2"	10	40	13



E148716



CAT#	WIRE RANGE MAIN AND TAP	
	MIN.	MAX.
690	16 STR	10 STR
691	12 STR	8 STR
692	10 SOL	6 SOL
693	8 SOL	4 SOL
694	6 SOL	2 SOL
695	6 SOL	2 STR
696	4 SOL	1/0 STR
697	2 SOL	2/0 STR
698	2 SOL	3/0 STR
699	4/0 SOL	250 MCM
700	4/0 STR	350 MCM
701	250 MCM	600 MCM
702	350 MCM	750 MCM
703	500 MCM	1000 MCM

SPLIT BOLT CONNECTORS

SOLDERLESS

COPPER ALLOY

TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE	WT/ CASE
690	17250	10	-	100	2
691	17260	8	-	100	3
692	17270	6	-	100	5
693	17280	6	-	100	6
694	17290	4	-	50	8
695	17300	2	-	50	11
696	17310	1/0	-	50	8
697	17320	2/0	-	25	7
698	17330	3/0	-	25	8
699	17340	4/0-250 MCM	-	5	10
700	17350	350 MCM	-	6	5
701	17360	500 MCM	-	6	5
702	17370	750 MCM	-	3	5
703	17380	1000 MCM	-	4	10



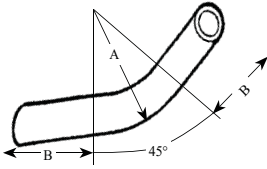
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EMT Elbow



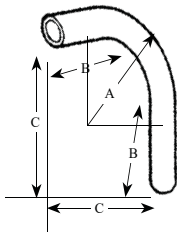
CAT#	A	B
21	4.000	2.875
22	4.500	2.875
23	5.750	3.00
24	7.250	3.25
25	8.250	3.625
26	9.500	4.1875

EMT 45° ELBOW

		GALVANIZED STEEL		
TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE WT/ CASE
21	33400	1/2"	-	50 11
22	33410	3/4"	-	50 19
23	33420	1"	-	35 25
24	33430	1 1/4"	-	30 30
25	33440	1 1/2"	-	15 44
26	33450	2"	-	15 31



E197604



CAT#	A	B	C
81	4.000	2.875	6.343
82	4.500	2.875	6.781
83	5.750	3.00	8.901
84	7.250	3.25	10.25
85	8.250	3.625	11.937
86	9.500	4.1875	14.031

EMT 90° ELBOW

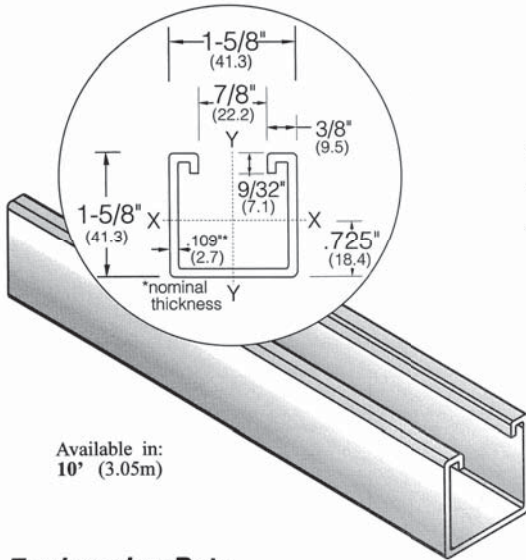
		GALVANIZED STEEL		
TOPAZ CAT #	UPC#	SIZE	UNIT CTN	SHIP CASE WT/ CASE
81	30420	1/2"	-	50 14
82	30430	3/4"	-	50 23
83	30440	1"	-	20 16
84	30450	1 1/4"	-	20 30
85	30460	1 1/2"	-	10 20
86	30470	2"	-	10 30



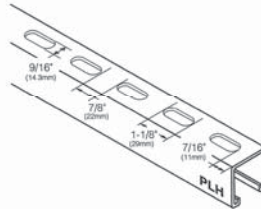
E197604

Channels

VA-1 Engineering Data



Available in:
10' (3.05m)



Produced and stocked in the following finishes and materials:					
●	●	●	●	●	●
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316

Engineering Data

elements of sections			Sectional Area	X-X axis		Moment of Inertia		Section modulus		Radius of gyration		
VA-1				sq. in.	cm ²							
12 ga.	Wgt. Per L.F. (Kg. Per M)	1.90 lbs. (2.83)	.559	3.61	.1850 In. 4 7.70 cm. 4		.2042 In. 3 3.34 cm. 3		.580 In. 1.47 cm.			
					Y-Y axis		Moment of Inertia		Section modulus		Radius of gyration	
							.2340 In. 4 9.74 cm. 4		.2880 In. 3 4.72 cm. 3		.653 In. 1.66 cm.	

beam loading data						column loading data															
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections				Maximum Allowable Loading at Slot Face K=80		Maximum Allowable Column Load Applied at Center of Gravity										
	in. (mm)	Lbs. kN	in. (mm)	in. (mm)	Span/240		Span/360		Lbs.	kN	K=65		K=80		K=1.0		K=1.2				
24	610	1691 7.5	0.06 1.5	1689 7.5	1689 7.5	900 4.0	3002 13.4	3401 15.1	9601 42.7	9501 42.3	9321 41.5	9101 40.5	7642 34.0	7402 32.9	7002 31.1	6490 28.9	5911 26.3	5531 24.6	4981 22.2	4430 19.7	
36	914	1131 5.0	0.13 3.3	1131 5.0	900 4.0	509 2.3	2571 11.4	2229 9.9	4781 21.3	4391 19.5	3851 17.1	3331 14.8	2229 9.9	1971 8.8	4091 18.2	3681 16.4	3142 14.0	2649 11.8	2229 9.9	1971 8.8	
48	1219	852 3.8	0.22 5.6	759 3.4	509 2.3	219 1.0	1971 8.8	1759 7.8	3602 16.0	3171 14.1	2631 11.7	2161 9.6	1582 7.0	1431 6.4	2911 12.9	2451 10.9	1931 8.6	1531 6.8	1131 5.0	759 3.4	
60	1524	680 3.0	0.35 8.9	491 2.2	321 1.4	171 0.8	129 0.6	101 0.4	1431 6.4	1292 5.7	2641 11.7	2182 9.7	1582 7.0	1431 6.4	2911 12.9	2451 10.9	1931 8.6	1531 6.8	1131 5.0	759 3.4	
72	1829	561 2.5	0.50 12.7	339 1.5	219 1.0	171 0.8	129 0.6	101 0.4	1431 6.4	1292 5.7	2641 11.7	2182 9.7	1582 7.0	1431 6.4	2911 12.9	2451 10.9	1931 8.6	1531 6.8	1131 5.0	759 3.4	
84	2134	479 2.1	0.68 17.3	251 1.1	171 0.8	129 0.6	101 0.4	79 0.4	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
96	2438	421 1.9	0.89 22.6	189 0.8	129 0.6	101 0.4	79 0.4	59 0.3	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
108	2743	381 1.7	1.14 29.0	151 0.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
120	3048	339 1.5	1.40 35.6	119 0.5	79 0.4	59 0.3	41 0.2	25 0.1	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
144	3658	281 1.2	1.99 50.5	81 0.4	59 0.3	41 0.2	25 0.1	15 0.0	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
168	4267	241 1.1	2.72 69.1	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
192	4877	209 0.9	3.55 90.2	51 0.2	39 0.2	25 0.1	15 0.0	10 0.0	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
216	5486	191 0.8	4.57 116.1	39 0.2	25 0.1	15 0.0	10 0.0	10 0.0	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0
240	6096	169 0.8	5.61 142.5	25 0.1	15 0.0	10 0.0	10 0.0	10 0.0	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	1292 5.7	101 0.4	79 0.4	59 0.3	41 0.2	25 0.1	15 0.0	10 0.0

- NOTES**
- Long spans may have to be braced to prevent rotation and twist.
 - Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
 - Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

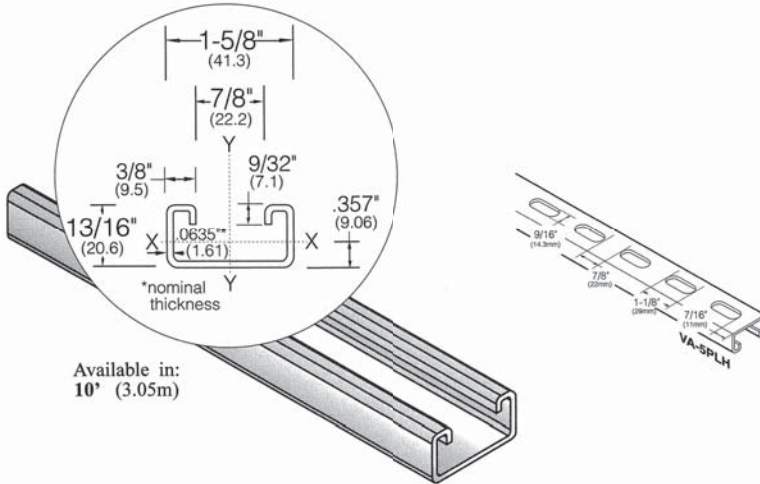
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Channels

VA-5 Engineering Data

Produced and stocked in the following finishes and materials:					
●	●	○	○	●	○
G-90 Galv.	Green	Aluminum	H.R.P.O.	SS 304	SS 316



Available in:
10' (3.05m)

Engineering Data

elements of sections			Sectional Area	X-X axis		Moment of inertia		Section modulus		Radius of gyration		
VA-5				sq. in.	cm ²							
16 ga.	Wgt. Per L.F.	.82 lbs.			Y-Y axis		Moment of inertia		Section modulus		Radius of gyration	
	(Kg. Per M)	(1.2)	.239	1.50								

beam loading data						column loading data													
Span or Unbraced Column Height	Maximum Allowable Uniform Loading		Deflection at Uniform Loading		Uniform Loading at Deflections		Maximum Allowable Loading at Slot Face		Maximum Allowable Column Load Applied at Center of Gravity										
	Lbs.	kN	in.	(mm)	Span/240	Span/360	K=80		K=65	K=80	K=1.0	K=1.2							
24	610	400	1.8	0.11	2.7	370	1.6	247	1.1	1375	6.1	3718	16.5	3672	16.3	3500	16.0	3502	15.6
36	914	268	1.2	0.24	6.2	162	0.7	102	0.5	988	4.4	2065	9.2	1951	8.7	1871	8.3	1760	7.8
48	1219	195	0.9	0.43	10.9	90	0.4	60	0.3	682	3.0	1125	5.0	1060	4.7	1040	4.6	992	4.4
60	1524	152	0.7	0.66	16.8	55	0.2	38	0.2	492	2.2	710	3.2	698	3.1	520	2.8	**	**
72	1829	125	0.6	0.95	24.1	38	0.2	26	0.1	375	1.7	489	2.2	481	2.1	**	**	**	**
84	2134	102	0.5	1.26	32.0	28	0.1	18	0.1	**	**	361	1.6	**	**	**	**	**	**
96	2438	95	0.4	1.72	43.7	20	0.1	13	0.1	**	**	**	**	**	**	**	**	**	**
108	2743	85	0.4	2.19	55.6	16	0.1	9	0.0	**	**	**	**	**	**	**	**	**	**
120	3048	75	0.3	2.68	68.1	12	0.1			**	**	**	**	**	**	**	**	**	**

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- Long spans may have to be braced to prevent rotation and twist.
 - Beam loading data already includes the weight of the member. This weight will have to be deducted in order to arrive at the net allowable load said beam span will carry.
 - Maximum allowable uniformly distributed loads are listed for simple spans consisting of a beam on two supports. If load is to be concentrated at center of span, multiply given load by 0.5 and corresponding deflection figure by 0.8.

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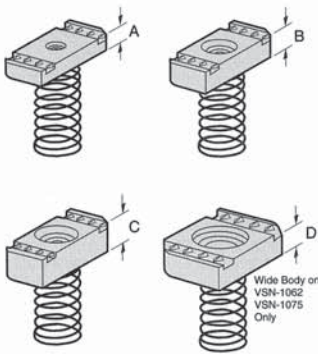
Threaded Fasteners/Fittings

VSN-1000 Series/ Right Angle Fittings

PLATED NUTS WITH SPRINGS FOR 1-5/8" (41.3) WIDE CHANNEL

VSN-1000 Series Fits: VA-1, VA-2, VA-6, VA-7 & VA-12 Channel

These nuts fit all 1-5/8 wide channels which are 1-3/8" thru 1-5/8" deep.



Lateral Locking Nuts / Medium Spring

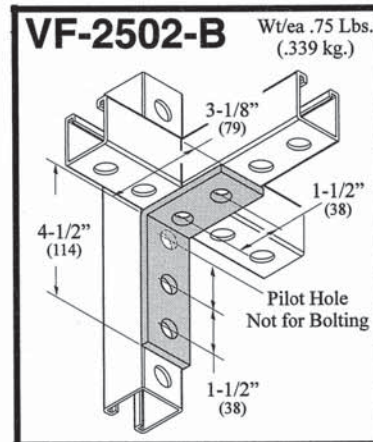
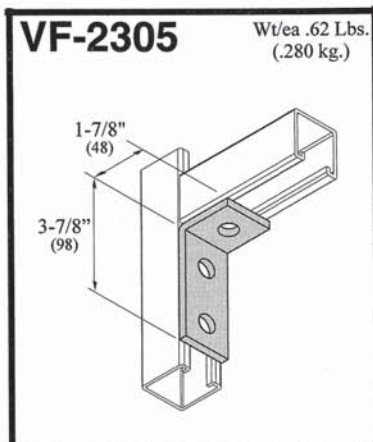
Part#	Thread Diameter	Blank Style & Thickness	Weight Per "C" Pcs.
VSN-1010-0832	No. 8-32	"A" 1/4" (6.35)	8 lbs. (3.63 kg)
VSN-1010-1024	No. 10-24	"A" 1/4" (6.35)	8 lbs. (3.63 kg)
VSN-1010-1032	No. 10-32	"A" 1/4" (6.35)	8 lbs. (3.63 kg)
VSN-1025**	1/4" -20	"A" 1/4" (6.35)	8 lbs. (3.63 kg)
VSN-1031	5/16"-18	"B" 3/8" (9.53)	9 lbs. (4.09 kg)
VSN-1037**	3/8" -16	"B" 3/8" (9.53)	10 lbs. (4.54 kg)
VSN-1044	7/16"-14	"B" 3/8" (9.53)	10 lbs. (4.54 kg)
VSN-1050**	1/2" -13	"C" 1/2" (12.7)	12 lbs. (5.45 kg)
VSN-1062*	5/8" -11	"D" 7/16" (11.1)	20 lbs. (9.08 kg)
VSN-1075	3/4" -10	"D" 7/16" (11.1)	18 lbs. (8.17 kg)

**Available in Stainless, Aluminum and Hot Dipped Galvanized
* Available in Stainless

RIGHT ANGLE FITTINGS

Standard Fitting Dimensions

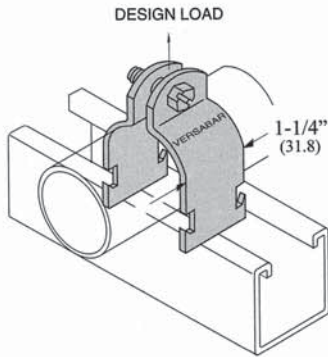
Width:	1-5/8"	(41.3 mm)
Thickness:	1/4"	(6.3 mm)
Hole Diameter:	9/16"	(14.3 mm)
Hole Spacing On Center:	1-7/8"	(47.6 mm)
Hole Spacing From Ends:	13/16"	(20.6 mm)
Metrics in Parenthesis		
•Unless Otherwise Specified•		



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Tubing Clamps

VT-1000 O.D. Series



Fits All 1-5/8" (41.3) Wide Channels

Stock Thickness

VT-1025 thru VT-1087	16 ga. (1.5)
VT-1100 thru VT-1162	14 ga. (1.9)
VT-1175 thru VT-1350	12 ga. (2.6)
VT-1362 thru VT-1550	11 ga. (3.0)

Also Produced in: SS 304 / 316, & Copper Plated

Part #	O.D. Size		Wt / C Pr.		Load Rating	
	In.	(mm)	Lbs.	kg	Lbs.	kN
VT-1025	1/4"	(6.3)	9	(4.1)	400	(1.8)
VT-1037	3/8"	(9.5)	10	(4.5)	400	(1.8)
VT-1050	1/2"	(12.7)	10	(4.5)	400	(1.8)
VT-1062	5/8"	(15.8)	11	(5.0)	400	(1.8)
VT-1075	3/4"	(19.1)	12	(5.4)	400	(1.8)
VT-1087	7/8"	(22.2)	12	(5.4)	400	(1.8)
VT-1100	1"	(25.4)	13	(5.9)	600	(2.7)
VT-1112	1-1/8"	(28.5)	13	(5.9)	600	(2.7)
VT-1125	1-1/4"	(31.7)	15	(6.8)	600	(2.7)
VT-1137	1-3/8"	(34.9)	16	(7.3)	600	(2.7)
VT-1150	1-1/2"	(38.1)	17	(7.7)	600	(2.7)
VT-1162	1-5/8"	(41.3)	19	(8.6)	600	(2.7)
VT-1175	1-3/4"	(44.4)	23	(10.4)	800	(3.6)
VT-1187	1-7/8"	(47.6)	25	(11.4)	800	(3.6)
VT-1200	2"	(50.8)	27	(12.3)	800	(3.6)
VT-1212	2-1/8"	(53.9)	29	(13.2)	800	(3.6)
VT-1225	2-1/4"	(57.1)	34	(15.4)	800	(3.6)
VT-1237	2-3/8"	(60.3)	35	(15.9)	800	(3.6)
VT-1250	2-1/2"	(63.5)	36	(16.3)	800	(3.6)
VT-1262	2-5/8"	(66.6)	37	(16.8)	800	(3.6)
VT-1275	2-3/4"	(69.8)	39	(17.7)	800	(3.6)
VT-1287	2-7/8"	(73)	40	(18.2)	800	(3.6)
VT-1300	3"	(76.2)	42	(19.1)	800	(3.6)
VT-1312	3-1/8"	(79.3)	43	(19.5)	800	(3.6)
VT-1325	3-1/4"	(82.5)	45	(20.4)	800	(3.6)
VT-1337	3-3/8"	(85.7)	46	(20.9)	800	(3.6)
VT-1350	3-1/2"	(88.9)	48	(21.8)	800	(3.6)
VT-1362	3-5/8"	(92)	57	(25.9)	1000	(4.5)
VT-1375	3-3/4"	(95.2)	57	(25.9)	1000	(4.5)
VT-1387	3-7/8"	(98.4)	58	(26.3)	1000	(4.5)
VT-1400	4"	(102)	59	(26.8)	1000	(4.5)