SECURITY SOLUTIONS

Products and Accessories

Atkore™

Razor Ribbon

Atkore™
Razor Ribbon

Global Distribution

Razor Ribbon is the world's leading and longest standing manufacturer of barbed tape products since 1979, and a domestic manufacturer in the United States.

The Razor Ribbon® line of barbed tape products is the optimal choice for perimeter security protection. Manufactured for use in the most secure and restricted environments, Razor Ribbon® has enhanced security protection for a variety of industrial, military, and institutional facilities.

Our Razor Ribbon® products are razor sharp and can create serious cuts on anyone trying to climb over the barrier. The products are not only used as a physical barrier but also work as a psychological deterrent. Razor Ribbon® is designed to deter, delay, and detect intruders.

What Sets Us Apart

- Nationwide and international distribution
- Superior deterrence and security
- Manufactured from exceptionally tough, high-quality stainless steel components with full traceability
- Single or double coil spiral or concertina available
- Various diameter and deployed lengths available
- Large capacity with quick turnaround
- Product workmanship warranty
- Easy-to-install
- Unparalleled customer and technical support
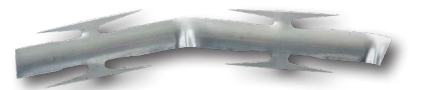
Barbed Tape Styles
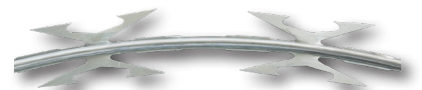
Short Barb

Medium Barb

BTC NATO Barb

Long Barb

Instabarrier® Barb

Detainer Hook® Barb

WHAT GOES UP *DOESN'T GET OVER*

When it comes to perimeter protection, Razor Ribbon® barbed tape is trusted the world over. Manufactured in Hebron, OH and engineered to meet ASTM standards, Razor Ribbon® is the cutting-edge security solution for any fence or framework from correctional facilities to chemical and nuclear sites to military and maritime applications. Make sure that the other side isn't an option. Stay secure at razzorribbon.com

Table of Contents

Minimum Security Applications

- Exterior perimeter security products
- Alternative to traditional barbed wire for low-level security applications when added psychological deterrence is desired
- Can be installed in either lineal strands per barbed wire specifications or coils may be ordered as a substitute
- Standard configuration: medium barb, offset with galvanized tape, and galvanized core
- Razor strand barbed tape and core available in stainless steel

Uses: construction sites, manufacturing, other minimum security applications
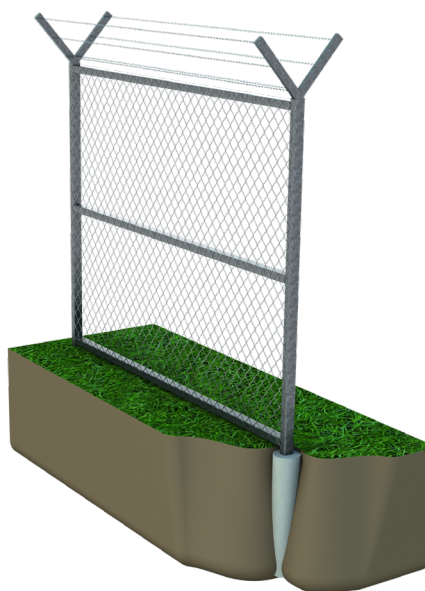
Barbed Razor Strand (Wire-Reinforced)

Length		Weight	
(ft)	(m)	(lb)	(kg)
351	107	22	10
Longer lengths available upon request			

Coreless Barbed Tape

Length		Weight	
(ft)	(m)	(lb)	(kg)
1000	305	63	29
1500	457	95	43
Weight shown is for long barb configuration			

Barb Options

| Short Barb | Medium Barb | BTC NATO Barb | Long Barb | Detainer Hook® Barb |

HELICAL BARBED TAPE

Minimum Security Applications

- Perimeter security products
- Highly recommended for private and industrial use
- Long barb, wire-reinforced helical barrier formed without clipping
- Helical barbed tape and core available in stainless steel or galvanized

Uses: warehousing, construction sites, manufacturing, parking lots, storage, other low-level security applications

Single Coil Helical (Wire-Reinforced)

NSN	Diameter		Coil Loops	Strip Material	Core Wire	Loop Spacing		Yield		Pkg.	ASTM F 1910 Item #
	(in)	(mm)				(in)	(mm)	(ft)	(m)		
5660-01-457-9828	18	450	33	SS	SS	18	450	50	15	5/Box	#1
5660-01-457-9757	18	450	33	SS	GA	18	450	50	15	5/Box	#2
5660-01-495-6123	18	450	33	GA	GA	18	450	50	15	5/Box	-
5660-01-457-9843	24	600	33	SS	SS	18	450	50	15	5/Box	#5
5660-01-457-9842	24	600	33	SS	GA	18	450	50	15	5/Box	#6
5660-01-495-6277	24	600	33	GA	GA	18	450	50	15	5/Box	-
-	30	750	33	SS	SS	18	450	50	15	5/Box	-
-	30	750	33	SS	GA	18	450	50	15	5/Box	-
-	30	750	33	GA	GA	18	450	50	15	5/Box	-
-	36	900	33	SS	SS	18	450	50	15	4/Box	-
-	36	900	33	SS	GA	18	450	50	15	4/Box	-
-	36	900	33	GA	GA	18	450	50	15	4/Box	-

Barb Options

Short Barb   Medium Barb   BTC NATO Barb   Long Barb   Detainer Hook® Barb

877-285-4066

MAZE® BARBED TAPE

Minimum to Medium* Security Applications

- Exterior perimeter security products
- The original long-barb, wire-reinforced concertina barrier that is clipped for restricted spacing
- Used in more minimum to medium security applications around the world than any other barbed tape
- Concertina barbed tape and core available in stainless steel or galvanized

Uses: confinement, detention, utility companies, airport perimeters, etc.

Double coil used for minimum to maximum security applications
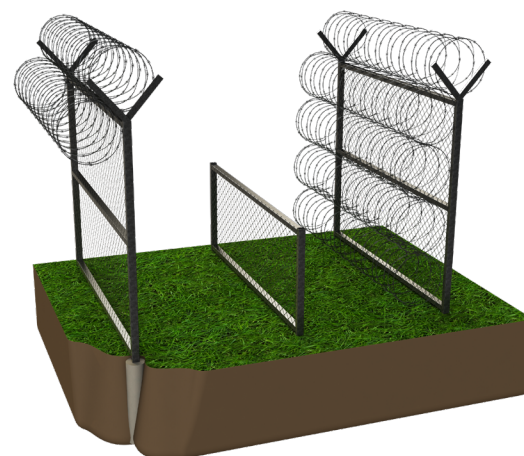
### Single and Double Coil Maze® (Wire-Reinforced)

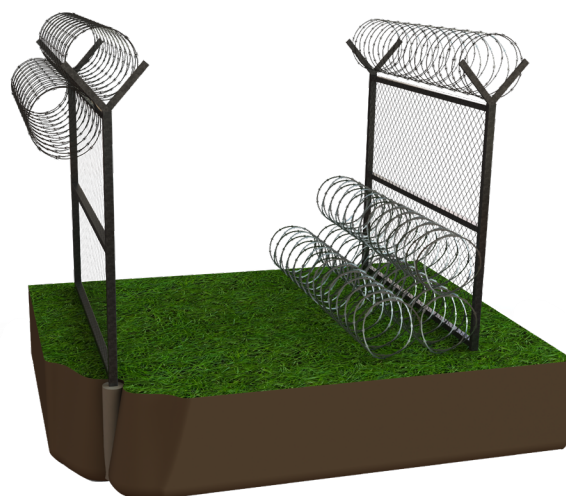| NSN	Diameter		Coil Loops	Strip Material	Core Wire	Clips	Loop Spacing		Yield		Pkg.	ASTM F 1910 Item #
	(in)	(mm)					(in)	(mm)	(ft)	(m)		
5660-01-457-9849	18	450	31	SS	SS	3	12	300	15	4.5	4/Box	#9
5660-01-457-9847	18	450	31	SS	GA	3	12	300	15	4.5	4/Box	#8
5660-01-495-6178	18	450	31	GA	GA	3	12	300	15	4.5	4/Box	-
5660-01-457-9852	24	600	31	SS	SS	3	16	400	20	6.0	5/Box	#11
5660-01-457-9850	24	600	31	SS	GA	3	16	400	20	6.0	5/Box	#10
5660-01-495-6284	24	600	31	GA	GA	3	16	400	20	6.0	5/Box	-
-	30	750	31	SS	SS	3	16	400	20	6.0	3/Box	#13
-	30	750	31	SS	GA	3	16	400	20	6.0	3/Box	#12
-	30	750	31	GA	GA	3	16	400	20	6.0	3/Box	-
-	36	900	31	SS	SS	3	16	400	20	6.0	4/Box	-
-	36	900	31	SS	GA	3	16	400	20	6.0	4/Box	-
-	36	900	31	GA	GA	3	16	400	20	6.0	4/Box	-
-	18/24	450/600	31/31	SS	SS	3	12	300	15	4.5	5/Box	-
-	18/24	450/600	31/31	SS	GA	3	12	300	15	4.5	5/Box	-
-	18/24	450/600	31/31	GA	GA	3	12	300	15	4.5	5/Box	-
-	24/30	600/750	31/31	SS	SS	3	16	400	20	6.0	5/Box	#22
-	24/30	600/750	31/31	SS	GA	3	16	400	20	6.0	5/Box	#21
-	24/30	600/750	31/31	GA	GA	3	16	400	20	6.0	5/Box	-

Barb Options

Long Barb

INSTABARRIER® BARBED TAPE
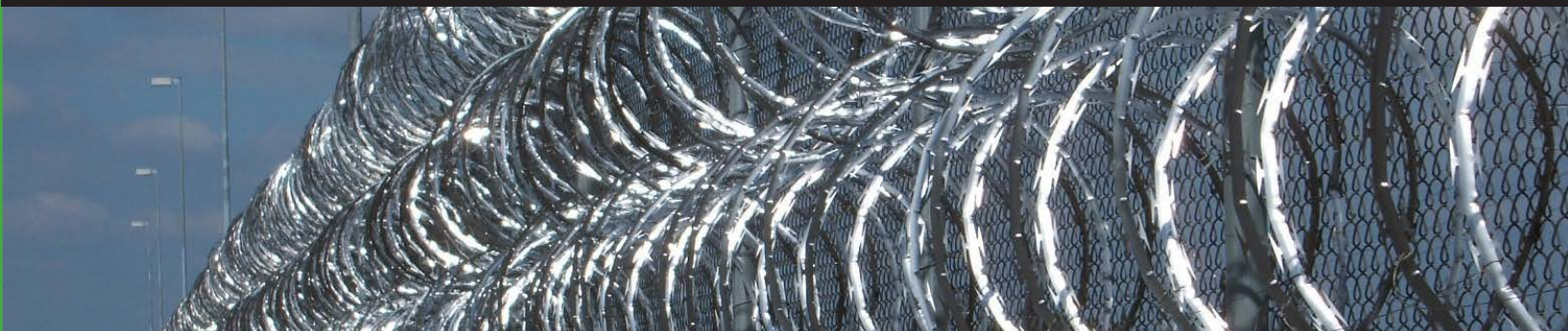
Minimum to Maximum Security Applications

- Perimeter security products
- The most versatile of all barbed tape products
- Deploys tangle free for fast installation for both temporary and permanent use
- Permits rapid recovery and reuse
- Punched with offset barbs for greater entanglement and psychological deterrence
- Single coil stainless steel non-reinforced concertina diameters of 24", 30", 40", 60"
- Tape material: stainless steel

Uses: ground barrier for maximum security confinement, prisons, detention facilities, nuclear generating plants, petroleum/chemical storage, refiners, nuclear weapons storage, etc.
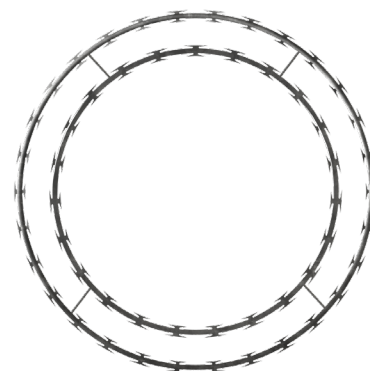
Instabarrier® (Non-Reinforced)

NSN	Diameter		Coil Loops	Coil Material	Strip Cable	Welds	Loop Spacing		Yield		Pkg.	ASTM F 1910 Item #
	(in)	(mm)					(in)	(mm)	(ft)	(m)		
-	24	600	101	SS	1	3	12	300	50	15	7/Box	#24
5660-01-495-6363	30	750	101	SS	1	5	12	300	50	15	7/Box	#25
-	40	1000	101	SS	1	7	12	300	50	15	5/Box	#26
-	60	1500	101	SS	1	13	12	300	50	15	2/Box	#27

Non-Reinforced General Purpose Barbed Tape Obstacle Type II

- Exterior perimeter security products
- Constructed of a non-reinforced, spring quality austenitic stainless steel
- Not welded, but remains in helical form
- Double coil product consisting of a 24" inner coil and a 30" outer coil, tied together in 4 places about the circumference with stainless steel aircraft cables
- Originally designed by the U.S. military as an entanglement obstacle and Type II is growing in commercial use as a ground barrier

Barb Options
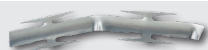
Instabarrier® Barb

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SUPERMAZE® & NATO BARRIER™ BARBED TAPE

Maximum Security Applications

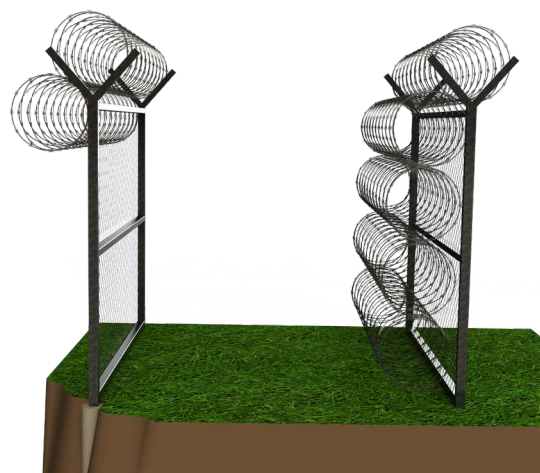- Perimeter security products
- Long-barb, wire-reinforced concertina barrier designed for high density maximum security applications
- Used as a fence topping, mid fence or, ground barrier
- Concertina barbed tape and core available in galvanized or stainless steel
- See **Product Selector Guide** for additional loop configurations

Uses: maximum security

Single Coil Supermaze® (Wire-Reinforced)

NSN	Diameter		Coil Loops	Strip Material	Core Wire	Clips	Loop Spacing		Yield		Pkg.	ASTM F 1910 Item #
	(in)	(mm)					(in)	(mm)	(ft)	(m)		
5660-01-495-9534	30	750	51	SS	SS	5	12	300	25	7.5	3/Box	#15
5660-01-495-9566	30	750	51	SS	GA	5	12	300	25	7.5	3/Box	#14
-	30	750	51	GA	GA	5	12	300	25	7.5	3/Box	-
-	36	900	51	SS	SS	5	12	300	25	7.5	2/Box	-
-	36	900	51	SS	GA	5	12	300	25	7.5	2/Box	-
-	36	900	51	GA	GA	5	12	300	25	7.5	2/Box	-
-	40	1000	51	SS	SS	5	12	300	25	7.5	2/Box	#17
-	40	1000	51	SS	GA	5	12	300	25	7.5	2/Box	-
-	40	1000	51	GA	GA	5	12	300	25	7.5	2/Box	-

Single Coil NATO Barrier™ (Wire-Reinforced)

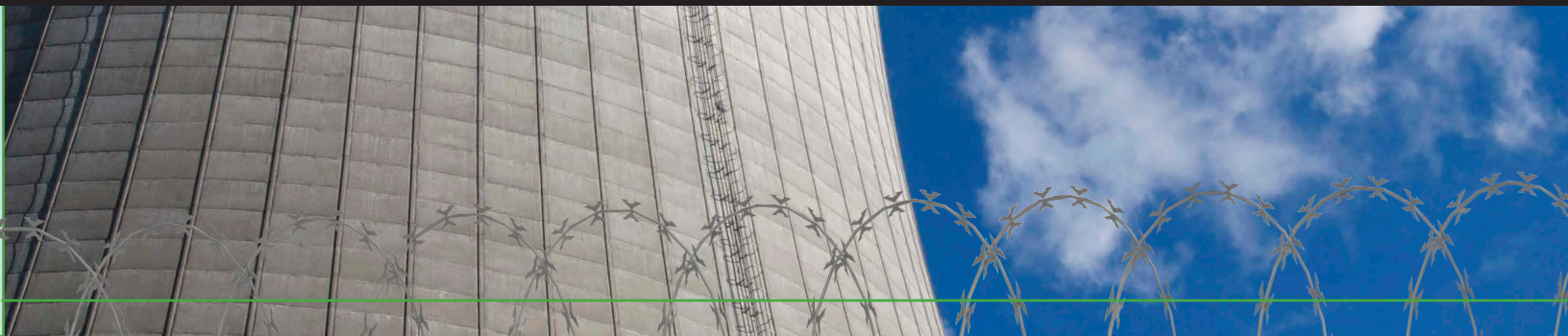| NSN	Diameter		Coil Loops	Strip Material	Core Wire	Clips	Loop Spacing		Yield		Pkg.	ASTM F 1910 Item #
	(in)	(mm)					(in)	(mm)	(ft)	(m)		
-	40	1000	51	SS	SS	7	12	300	25	7.5	2/Box	#18
-	40	1000	51	SS	GA	7	12	300	25	7.5	2/Box	#16
-	40	1000	51	GA	GA	7	12	300	25	7.5	2/Box	-
-	60	1500	51	SS	SS	9	12	300	25	7.5	2/Box	#20
-	60	1500	51	SS	GA	9	12	300	25	7.5	2/Box	#19
-	60	1500	51	GA	GA	9	12	300	25	7.5	2/Box	-

Barb Options

Long Barb

DETAINER HOOK®

Maximum Security Applications

- Perimeter security products
- Single coil wire-reinforced concertina
- Barb designed with clusters of 8 needle sharp barbs along the spiral turns
- Barb angle and hooked barb configuration is the most severe Razor Ribbon® product produced
- Concertina barbed tape and core available in galvanized or stainless steel
- See **Product Selector Guide** for additional coil length configurations

Uses: confinement applications, maximum security prisons, detention facilities, nuclear generating plants, petroleum/chemical storage, refiners, nuclear weapons storage, etc.

Detainer Hook® Barb (Wire-Reinforced)

NSN	Diameter		Coil Loops	Strip Material	Core Wire	Clips	Loop Spacing		Yield		Pkg.
	(in)	(mm)					(in)	(mm)	(ft)	(m)	
5660-01-495-6200	19	483	31	SS	SS	3	12	300	15	4.5	4/Box
5660-01-495-6189	19	483	31	SS	GA	3	12	300	15	4.5	4/Box
5660-01-495-6161	19	483	31	GA	GA	3	12	300	15	4.5	4/Box
5660-01-494-0218	25	635	31	SS	SS	3	16	400	20	6.0	5/Box
5660-01-494-0228	25	635	31	SS	GA	3	16	400	20	6.0	5/Box
-	25	635	31	GA	GA	3	16	400	20	6.0	5/Box
5660-01-495-9581	31	787	51	SS	SS	5	12	300	25	7.5	3/Box
5660-01-495-9585	31	787	51	SS	GA	5	12	300	25	7.5	3/Box
-	31	787	51	GA	GA	5	12	300	25	7.5	3/Box
-	37	940	51	SS	SS	5	12	300	25	7.5	2/Box
-	37	940	51	SS	GA	5	12	300	25	7.5	2/Box
-	37	940	51	GA	GA	5	12	300	25	7.5	2/Box
-	41	1041	51	SS	SS	7	12	300	25	7.5	2/Box
-	41	1041	51	SS	GA	7	12	300	25	7.5	2/Box
-	41	1041	51	GA	GA	7	12	300	25	7.5	2/Box
-	61	1549	81	SS	SS	9	12	300	40	12	1/Box
-	61	1549	81	SS	GA	9	12	300	40	12	1/Box
-	61	1549	81	GA	GA	9	12	300	40	12	1/Box

Barb Options

Detainer Hook® Barb

BTC BARBED TAPE CONCERTINA

Military Security Applications

- Perimeter security products
- Single coil wire-reinforced concertina
- Standard configuration: short barb with galvanized tape and high tensile galvanized core (military BTC)
- Refer to military specification A-A-55522A for additional information
- Concertina barbed tape and core available in stainless steel

Uses: military battlefield and training barrier

Military Tactical Barrier Concertina Coil (Wire-Reinforced)

NSN	Diameter		Coil Loops	Strip Material	Core Wire	Clips	Loop Spacing		Yield	
	(in)	(mm)					(in)	(mm)	(ft)	(m)
-	18	450	56	SS	SS	3	16	406	37	11
-	18	450	56	SS	GA	3	16	406	37	11
-	18	450	56	GA	GA	3	16	406	37	11
-	28	720	56	SS	SS	3	21	533	50	15
-	28	720	56	SS	GA	3	21	533	50	15
-	28	720	56	GA	GA	3	21	533	50	15
-	36	900	50	SS	SS	5	24	600	50	15
-	36	900	50	SS	GA	5	24	600	50	15
5660-00-921-5516	36	900	50	GA	GA	5	24	600	50	15
-	38	965	56	SS	SS	5	21	533	50	15
-	38	965	56	SS	GA	5	21	533	50	15
-	38	965	56	GA	GA	5	21	533	50	15
-	40	1000	56	SS	SS	5	21	533	50	15
-	40	1000	56	SS	GA	5	21	533	50	15
-	40	1000	56	GA	GA	5	21	533	50	15

Barb Options

Short Barb   Medium Barb

BTC NATO-22

Military Security Applications

- Perimeter security products
- Single coil wire-reinforced concertina
- Barb length and spacing designed to meet NATO specifications
- BTC NATO-22 coils come standard with galvanized barbed tape and galvanized core
- Available in offset barb which greatly increases barb effectiveness, coil density, and psychological deterrence
- Barbed tape and core available in stainless steel

Uses: military and NATO BTC applications

BTC NATO-22 (Wire-Reinforced)

Diameter		Coil Loops	Strip Material	Core Wire	Clips	Loop Spacing		Yield	
(in)	(mm)					(in)	(mm)	(ft)	(m)
18	450	56	SS	SS	3	16	406	36	11
18	450	56	SS	GA	3	16	406	36	11
18	450	56	GA	GA	3	16	406	36	11
24	600	56	SS	SS	3	16	406	36	11
24	600	56	SS	GA	3	16	406	36	11
24	600	56	GA	GA	3	16	406	36	11
28	720	56	SS	SS	3	21	533	50	15
28	720	56	SS	GA	3	21	533	50	15
28	720	56	GA	GA	3	21	533	50	15
30	750	56	SS	SS	5	21	533	50	15
30	750	56	SS	GA	5	21	533	50	15
30	750	56	GA	GA	5	21	533	50	15
36	900	56	SS	SS	5	21	533	50	15
36	900	56	SS	GA	5	21	533	50	15
36	900	56	GA	GA	5	21	533	50	15
38	980	56	SS	SS	5 (7)	21 (6)	533 (150)	50 (14)	15 (4.3)
38	980	56	SS	GA	5 (7)	21 (6)	533 (150)	50 (14)	15 (4.3)
38	980	56	GA	GA	5 (7)	21 (6)	533 (150)	50 (14)	15 (4.3)
40	1000	56	SS	SS	5	21	533	50	15
40	1000	56	SS	GA	5	21	533	50	15
40	1000	56	GA	GA	5	21	533	50	15

Barb Options

BTC NATO Barb

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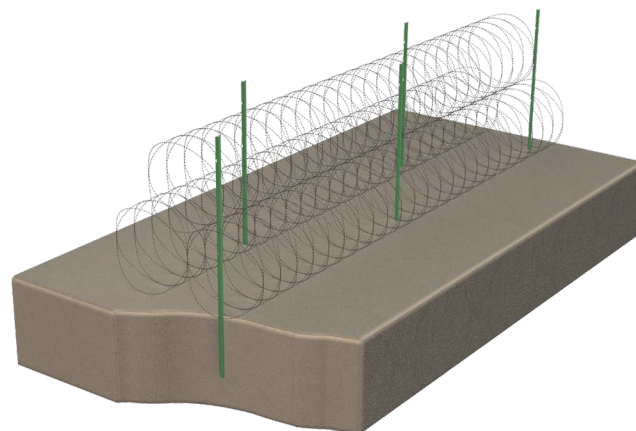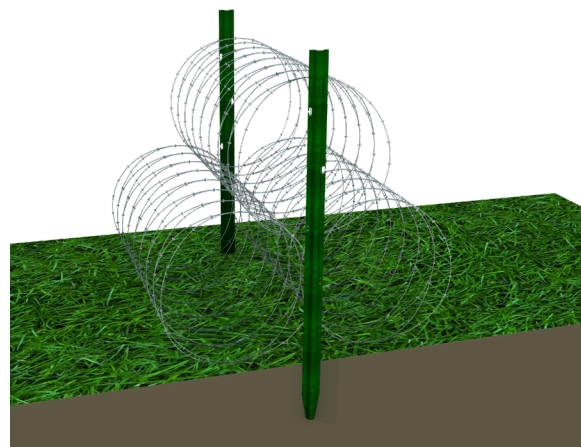
Razor Ribbon® Fence Pickets

Razor Ribbon® fence pickets are designed for the rapid installation of a security perimeter. After the post is driven into the ground, barbed wire is inserted into the built-in slots along the length of the perimeter. This system can either stand alone or be augmented with the addition of BTC barbed tape concertina attached to the barbed wire when needed.

The fence picket is constructed from steel conforming to ASTM A1011, producing a yield strength of 50,000 psi (345 MPa), and complies with federal specifications and GSA guidelines for fence post, drive type, and spadeless.

The posts, depending on length, have alternating slots on each side every 9" (229mm) to accommodate strands of barbed wire. The post width is approximately 3" (76mm) and can be ordered in a variety of lengths ranging from 32" to 96" (81cm to 244cm).

The standard exterior color is forest green with additional colors and/or galvanization available upon request.

Refer to military specification A-A-55523 for additional information.

Razor Ribbon® Fence Pickets

NSN	Length		Width		Slots
	(in)	(mm)	(in)	(mm)	
5660-00-270-1589	32	813	3	76	5
5660-00-270-1587	60	1524	3	76	4
5660-00-270-1510	72	1829	3	76	4
5660-00-262-9914	96	2438	3	76	2

RAZOR RIBBON® PRODUCT SELECTOR GUIDE

Security Level	Product Name	Diameter		Loops	Clips	Loop Spacing		Length Per Roll		Weight Per Roll	
		(in)	(mm)			(in)	(mm)	(ft)	(m)	(lb)	(kg)
Military (Any Level)	BTC Barbed Tape Short or Medium Barb Medium available offset	18	450	56	3	16	406	37	11	17	8
		28	720	56	3	21	533	50	15	26	12
		36	900	50	5	24	600	50	15	30	14
		38	965	56	5	21	533	50	15	35	16
		40	1000	56	5	21	533	50	15	37	17
Military (Any Level)	BTC NATO-22 Barbed Tape BTC NATO Barb Available offset	18	450	56	3	16	406	36	11	17	8
		24	600	56	3	16	406	36	11	23	10
		28	720	56	3	21	533	50	15	27	12
		30	750	56	5	21	533	50	15	28	13
		36	900	56	5	21	533	50	15	34	16
		38	980	56	5 (7)	21(6)	533 (150)	50 (14)	15 (4.3)	36	16
		40	1000	56	5	21	533	50	15	38	17
Minimum (Low Level)	Razor Ribbon® Helical Long Barb (Standard) Short, Medium, BTC NATO-22 or Detainer Hook available Long, Medium and BTC NATO-22 available offset	18	450	33	-	18	450	50	15	14	6
		24	600	33	-	18	450	50	15	18	8
		30	750	33	-	18	450	50	15	23	10
		36	900	33	-	18	450	50	15	28	12
Minimum to Maximum	Maze® Long Barb Available offset	18	450	31	3	12	300	15	4.5	13	6
		24	600	31	3	16	400	20	6	18	8
		30	750	31	3	16	400	20	6	22	10
		36	900	31	3	16	400	20	6	26	12
		18/24	450/600	31/31	3	12	300	15	4.5	31	14
		24/30	600/750	31/31	3	16	400	20	6	39	18
Maximum	Supermaze® Long Barb Available offset	30	750	51 (81)	5	12	300	25 (40)	7.5 (12)	36 (58)	16 (26)
		36	900	51 (81)	5	12	300	25 (40)	7.5 (12)	43 (69)	20 (31)
		40	1000	51 (81)	5	12	300	25 (40)	7.5 (12)	48 (77)	22 (35)
Maximum	NATO Barrier™ Long Barb Available offset	40	1000	51 (81)	7	12	300	25 (40)	7.5 (12)	49 (77)	22 (35)
		60	1500	51 (101)	9	12	300	25 (50)	7.5 (15)	73 (144)	33 (65)
Maximum	Detainer Hook® Barb Detainer Hook Barb	19	483	31	3	12	300	15	4.5	15	7
		25	635	31	3	16	400	20	6	20	9
		31	787	31 (51)	3 (5)	16 (12)	400 (300)	20 (25)	6 (7.5)	26 (42)	12 (19)
		37	940	51	5	12	300	25	7.5	51	23
		41	1041	51	7	12	300	25	7.5	57	26
		61	1549	81 (101)	9	12	300	40 (50)	12 (15)	135 (168)	61 (76)
Minimum to Maximum (Ground Barrier)	Instabarrier® (Non-Reinforced) Instabarrier Barb	24	600	101	3 welds	12	300	50	15	49	22
		30	750	101	5 welds	12	300	50	15	62	28
		40	1000	101	7 welds	12	300	50	15	82	37
		60	1500	101	13 welds	12	300	50	15	124	56
Military (Any Level)	Gen. Purpose BTO-Type II Instabarrier Barb	24/30	600/750	33/33	-	24	600	66	20	36	17

Barb Options

Short Barb   Medium Barb   BTC NATO Barb   Long Barb   Instabarrier® Barb   Detainer Hook® Barb

RAPID DEPLOYMENT UNITS

SET, DEPLOY, AND SECURE IN SECONDS!

DEPLOYS NEARLY 480' IN 2 MINUTES

1.SET

Set the RDU in place using any vehicle with fork attachments. A trailer option is available.

2.STRETCH

Deploy the unit with a two man team. In as little as two minutes, a 480' (146 m) triple strand barrier can be in place.

3.SECURE

Anchor the supports in place.

The RDU is engineered to be retracted in 12-17 minutes with a two man team. Storable, compact, and reusable.

Triple Strand Rapid Deployment

- US Patent No. 7,909,309 B2
- Economical, simple, and reusable rapid deployment system
- Capacity to deploy 480' (146m) of Razor Ribbon® in just minutes
- Eliminates the need for a large crew working hours in the field, and the potential hazards that go with it
- Only requires two people to deploy
- Consists of a stack of one (1) 60" (1500mm) barbed tape coil on top of two (2) 30" (750mm) barbed tape coils
- Various coil diameters options available
- Package size is 90" (2250mm) high by 62" (1575mm) wide
- Ship weight is 2,100 lbs. (950 kg)
- Standard configuration: short barb with galvanized tape and high tensile galvanized core (military BTC)
- Coils fastened together in an alternate loop arrangement to minimize any intrusion attempts
- Can be customized with any of the full line of Razor Ribbon® barbed tape products including our Detainer Hook® barb
- Easily integrated with intrusion sensing equipment

Uses: military, police, municipalities, commercial/industrial security integrators with instant physical perimeter protection

Triple Strand Rapid Deployment Unit - US Patent No. 7,909,309 B2

NSN	Description	Diameter		Height		Width		Yield		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)	(lb)	(kg)
5660-01-537-7956	Triple Strand RDU with Magazine	(2)-30" (1)-60"	(2)-750mm (1)-1500mm	90	2250	62	1575	480	146	2200	998
5660-01-537-7957	Triple Strand RDU without Magazine	(2)-30" (1)-60"	(2)-750mm (1)-1500mm	90	2250	62	1575	480	146	1900	862

Six-Pack RDU

- A greater level of security in height and Razor Ribbon® compared to the Triple Strand Rapid Deployment Unit

- Designed to quickly deploy for emerging threats

- Capacity to deploy 247' (75m) of Razor Ribbon® in just minutes

- Various coil diameter options available

- Recovered manually using only 2-3 people in approximately 20 minutes

- Utilized as a temporary or permanent barrier

- Comes preassembled and stacked in a pyramid configuration on a magazine

- Magazines can be deployed quickly and efficiently by most vehicles with towing capability

- Eliminates the need for a large crew working hours in the field and any potential hazards that go with it

- Standard with Razor Ribbon® short barb material galvanized or stainless (other barb options available)

Uses: military, police, municipalities, commercial/industrial security integrators with instant physical perimeter protection

Six-Pack Rapid Deployment Unit

NSN	Description	Diameter		Height		Width		Yield		Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)	(lb)	(kg)
-	Six-Pack RDU with Magazine	(6)-24	(6)-600	66	1675	74	1880	247	75	2400	1089
-	Six-Pack RDU without Magazine	(6)-24	(6)-600	66	1675	74	1880	247	75	1958	888

COVERED TRAILER

Fast Deployment

- Deploys in seconds providing rapid construction of controlled, limited and exclusion areas
- Appropriate as a temporary or permanent barrier for emerging threats
- Deploys coils stacked in pyramid fashion (available in 3 coil stack or 6 coil stack) quickly and efficiently
- Capacity to deploy 480-500' (146-152m) of Razor Ribbon® in seconds
- Deploys with as few as two people and removes the potentially hazardous conditions associated with field installation of barbed tape coils
- Retracts quickly and efficiently for reuse
- Works in various road conditions and best used in difficult terrains, based on the level of security required
- Available in various lengths, barb styles, and configurations in galvanized or stainless steel
- Meets any level of security requirements
- Manufactured in Hebron, Ohio

Additional Specifications

- Trailer Info
  - Double axle trailer (no base vehicle included)
  - 4-wheel type
  - Spring suspension
  - Trailer overall width - 87.5" (222cm)
  - Trailer overall length - 186.0" (472cm)
  - Trailer overall height - 96.0" (244cm)
- Fully loaded weight - 5,000lbs (2,270kg)
- 3,500lb (1,590kg) winch
- Solar panel
- Tool box - fully loaded w/ deploy and retrieval tools
- Heavy duty metal doors

Atkore™
Razor Ribbon

RDU Hat Box

- Visual and physical deterrent
- Passive non-lethal countermeasure
- Freeboard deck and onboard barrier
- Multiple methods of deployment
- Rapidly deploy Instabarrier® in hallways, stairwells, entrances and exit areas, etc
- Quickly recovered for repeated use
- Used both indoors and outdoors
- All of the materials and tools are included for immediate use

Uses: riot control, crowd control (impedes movement on stairways, corridors, sidewalks and streets, etc.) INS facilities, courthouses, military and police - use in varying climates and terrain conditions

Hatbox Rapid Deployment Unit

NSN	Description	Diameter		Coil Loops	Strip Material	Cable	Welds	Yield		Pkg.
		(in)	(mm)					(ft)	(m)	
5660-01-495-6421	Single Coil Concertina Rapid Deployment	30	750	101	SS	1	5	50	15	1/Box

Barbless RDU

- The barbless RDU has the same construction as the traditional triple strand rapid deployment unit but without any barbs to prevent any harm
- Dimensional barrier and visual deterrent
- Can be used for signage and advertising
- Permanent installations are appropriate but it is also adaptable to traveling venues as a visual barrier to control crowds

Uses: agricultural, school events, crowd control barriers, instant physical perimeter deterrent

ENHANCED SECURITY SOLUTIONS

RAZOR RIBBON® RAZOR MESH PANEL

Razor Mesh Panel

Razor Ribbon's new Razor Mesh Panel is the FIRST line of defense to secure a perimeter, from medium to high, to ultra-high security fencing.

- Expanded metal panel with strands of Razor Ribbon® secured on the panel
- Can be attached to any fence framework for added protection
- Imposing physical deterrent designed to keep you safe
- Anti-climb properties with small openings filled with razors
- Available in galvanized or stainless steel
- Corrosion-resistant
- 72% open with razors
- Easy installation – installs more accurately without waste, dragging, or overlapping
- Can be installed new or as a retro-fit over current chain link fence or chain link fence framework
- Fittings are some of the strongest in the industry and can be locked with breakaway nuts and bolts for added security
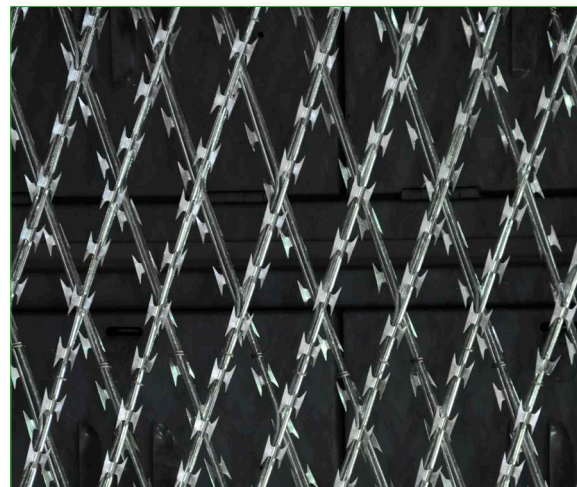
Size Offerings

- Panel width: 4 ft (122cm), or 5 ft (152cm)
- Panel height: 6 ft (183 cm), 8 ft (244 cm), 10 ft (305 cm), or 12 ft (366 cm)
- Diamond size: 2" x 6" (51mm x 152mm) with options of 3" x 6" (76mm x 152mm), and 1" x 2" (25mm x 51mm)

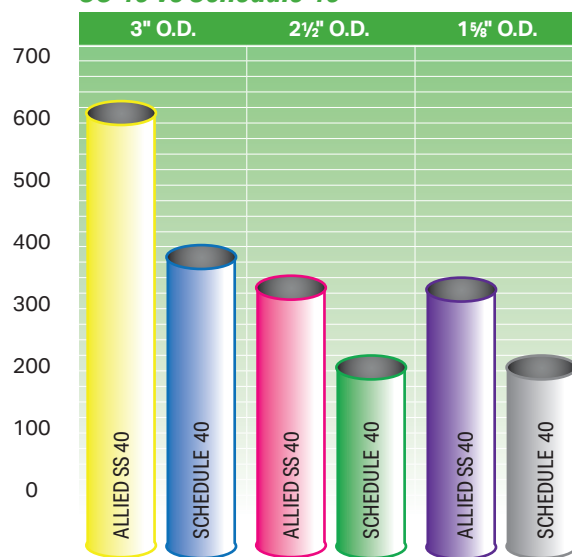**Uses**: airport, utilities, refineries, nuclear, energy, etc.

SS-40 Fence Framework

SS-40 is manufactured with cold-formed steel which provides high yield and tensile strength, followed by a uniform triple layer of corrosion protection. The coating consists of zinc, a conversion coating, and a clear organic top coat applied in-line by the patented continuous Flo-Coat® process from Allied Tube & Conduit®.

Bending Strength Comparision SS 40 vs Schedule 40

Test results are based on 6 foot cantilevered beam test and 10 foot free-supported beam test.

SS-40 Pipe Sizes

Fence Industry	Decimal O.D. Equivalent		Pipe Wall Thickness		Weight		Selection Modulus	x	Min. Yield Strength	=	Max Bending Moment	Calculated Load		
													10' Free Supported	Cantilever 4'	6'
O.D.	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/m)	(in³)		(psi)		(lb/in)	(lb)	(lb)	(lb)
1⅜	1.315	33.40	.104	2.64	1.35	2.01	.1111	x	50,000	=	5555	185	116	77
1⅝	1.660	42.16	.111	2.82	1.84	2.74	.1961	x	50,000	=	9805	327	204	136
2	1.900	48.26	.120	3.05	2.28	3.39	.2810	x	50,000	=	14050	468	293	195
2½	2.375	60.33	.130	3.30	3.12	4.64	.4881	x	50,000	=	24405	814	508	339
3	2.875	73.03	.160	4.06	4.64	6.90	.8778	x	50,000	=	43890	1463	914	610
3½	3.500	88.90	.160	4.06	5.71	8.50	1.3408	x	50,000	=	67040	2235	1397	931
4	4.000	101.60	.160	4.06	6.56	9.76	1.7819	x	50,000	=	89095	2970	1856	1237

877-285-4066

RAZOR RIBBON® SENSOR CLIP

Sensor Clip

Razor Ribbon® developed a new way to connect hanging sensor wire inside barbed tape without chaffing or setting off false alarms with the new Sensor Clip. The simplicity of the product design also allows for a quick and easy installation. The Razor Ribbon® Sensor Clip, designed to detect, comes with a host of features and benefits:

- **Cost-Effective** – Only uses (1) fastener and a self-tapping screw that can be driven using a commercially available powered screw driver with magnetic tips. Other clamps considered for this application involved multiple pieces of connecting hardware (nuts and bolts).

- **Easy-to-Install** – The simple design allows the installer to drape the clip over the razor wire, freeing up a hand for easier installation.

- **Chain Link Fence Use** – The thickness of the clip matches the diameter of the wire used for chain link fences. The clip does not need barbed connectors to secure the clip as is used for connection to fence.

- **Flexible** – Works with any Razor Ribbon® product.

- **Made in the USA** – We proudly manufacture our sensor clips in America.

Razor Ribbon® Sensor Clip

Part Number	Description	Box Quantity
911780	Sensor Clip for securing the sensor cable to the Razor Wire	50

Razor Ribbon® Sensored Coil

Razor Ribbon® Model RRC-S 30 Sensored Coil is unique as it integrates a formidable physical barrier assembly with a high-performance detection system for attempted breach or compromise of security thresholds. This Perimeter Detection System (PDS) provides an advanced, high security solution which is flexible enough to be installed on open ground areas, buildings, walls, fences and roofs, without the need to resort to the wide and expensive mix of technologies normally proposed for such diverse applications. This perimeter barrier with integrated detection system is suitable for use in most applications including open ground deployment and building protection.

Uses: perimeters, fences, buildings, roofs, etc. and applications where detection is needed
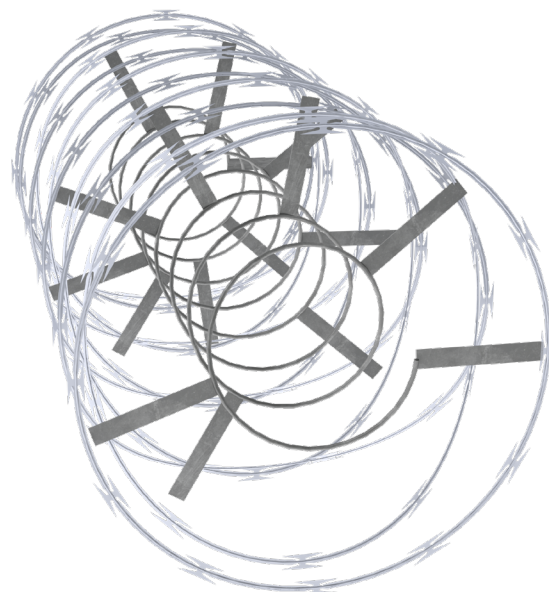
Zone Length	**Fences:** Recommended maximum 650 ft (200m)
	Buildings: Recommended maximum 800 ft (250m)
	Roofs: Recommended maximum 800 ft (250m)
Dimensions	Outside Diameter: 30"` (750mm)
	Maximum Coil Length: 50 ft (15m)
Sensor Operating Temperature	-40°C to +70°C (-40°F to +158°F)t
Electro Magnetic Compatibility	Complies with the requirements of BS EN5081-1 and EN50082-1
Installation Maintenance	By Atkore approved personnel only
Inputs	Remote self-test
Outputs	Switchable relays between From A and From B
Contact Rating	Voltage 110V AC or 30V DC
Current	.03 Amps AC or 1.0 Amps DC Power - 30VA or 20W
Audio Monitoring	0 dBm into 600 ohms
Lightning Protection	Transformer isolation and transistor suppression
	diodes on sensor input. Sparks gaps on signal outputs.
Internal Indicators	Alarm and tamper relay status indicators. Events and climb indicator PCB fuse indicator, all indicators are LEDs.
Internal Control	**Sensitivity:** Two independent sensitivity controls. **Event Timer:** Selectable 1-9. Selectable in 30 second intervals. **Range:** 30-270 seconds.
Power Requirements	10-24V; 90mA at 12V, Reverse polarity and overvoltage protection with fused input as standard
Warranty	12 months from date of approved installation

Contact your sales representative for additional information.

Razor Cage

- Designed to protect open space equipment and is a highly secure barrier that restricts any unauthorized vehicle access
- High-quality steel structure lined with Razor Mesh Panel that houses a Razor Ribbon® Six-Pack barbed tape barrier
- Available in hot-dip galvanized or stainless steel
- Easy to move and install only requiring a forklift
- Specified as a permanent or temporary barrier
- Custom designed based on your needs

Uses: power plants, prisons, jails, above ground, below ground, and other customers with high-security application requirements

Atkore™
Razor Ribbon

Colored Barbed Tape

Our color coded barbed tape can be easily integrated with your fence framework and perimeter security projects.

- Offers additional protection against corrosion in harsh environments such as maritime
- Comes in a variety of powder coated colors such as yellow, red, black, orange and army green
- Any industrial or commercial color can be matched

Flat Razor Wrap

Flat wrap coils add additional security to traditional perimeter fence applications. The flat razor wrap coils provide a neat but effective barrier when used together with mesh fences. Flat razor wrap coil installation is particularly simple when it is fitted by overlapping the fence mesh. It is an economical but effective barrier.

- High security, non-flanged, wire reinforced panels
- Multiple diameters available
- Barbed tape and core available in galvanized and stainless steel
- Available in short and medium barb

Razor Ribbon® Flat Wrap (Non-Flanged, Wire-Reinforced)

Diameter		# Loops	Overlap Spacing		Yield	
(in)	(mm)		(in)	(mm)	(ft)	(m)
18	450	133	9	225	50	15
24	600	100	12	300	50	15
30	750	80	15	375	50	15

Razor Ribbon® Single Loop

The single flat coils are regularly used in gate installations where traditional barbed tape is used.

- High security, flanged, wire reinforced loops in a single row
- Multiple diameters available
- Barbed tape and core available in galvanized and stainless steel
- Available in all barb styles

Razor Ribbon® Single Loop (Flanged, Wire-Reinforced)

Diameter		# Loops	Overlap Spacing		Yield	
(in)	(mm)		(in)	(mm)	(ft)	(m)
18	450	100	6	150	50	15
21.5	550	82	7	180	50	15
24	600	75	8	200	50	15
30	750	60	10	250	50	15

Razor Ribbon® Flat Panels

High security, flanged, wire reinforced flat panels.

- High security, flanged, wire reinforced panels.
- Standard configuration is 18" (450mm) in diameter with 6" (150mm) overlap
- Barbed tape and core available in galvanized and stainless steel
- Available in 18", 21.5", 24" and 30" diameters in all barb styles

Razor Ribbon® Flat Panel (Flanged, Wire-Reinforced)

Panel Size	Height		Width	
	(in)	(mm)	(in)	(mm)
3-Loop Panel	34	864	120	3048
4-Loop Panel	44	1118	120	3048
5-Loop Panel	51	1295	120	3048
6 Loop Panel	60	1524	120	3048

RR Flat Panel is available in all styles

Hexarmor Gloves

These gloves were designed specifically for handling barbed tape products. These gloves are cut, puncture, and abrasion resistant.

Wire Tie Twist Tool

Used to twist wire ties in fence anchored installations.

Hog Rings

For fence anchored installations, Hog Rings are used to connect the barbed tape to the fence fabric. Available loose and in clips.
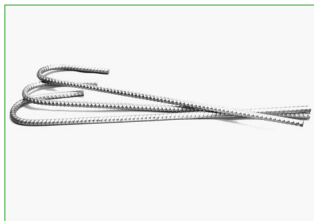
Arm/Sleeve Guard

Used to protect the installer, the arm/sleeve guard covers from the wrist to the shoulder.

Ground Stakes

Required to anchor ground based installations, usually positioned at 10 feet intervals.

Warning Signs

Used to alert unsuspecting persons of imminent danger.

Retro-Fit Bar Clamps

Used to connect overlapping mesh.

Hog Ring Pliers

Used to compress hog rings in fence anchored installations.

Retro-Fit C-Clamp

Used to connect mesh to line posts and rails.

Retro-Fit Band

Used to connect mesh to terminal posts. Available in various sizes for different post diameters 1" x 11ga HDG.
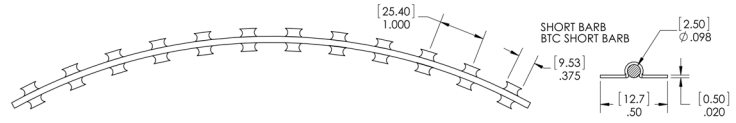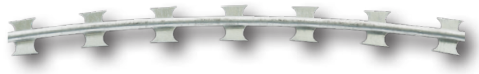
Wire Ties

Used to secure and anchor installations.

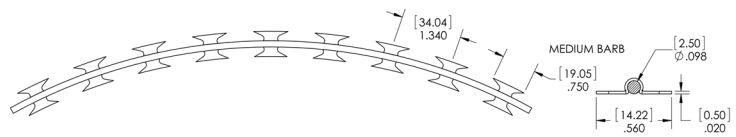## Carriage Bolts and Breakaway Nuts

Used with Retro-Fit clamps and bands.

Short Barb

[25.40] 1.000
SHORT BARB
BTC SHORT BARB
[2.50] Ø.098
[9.53] .375
[12.7] .50
[0.50] .020

Medium Barb

[34.04] 1.340
MEDIUM BARB
[2.50] Ø.098
[19.05] .750
[14.22] .560
[0.50] .020

BTC NATO Barb

[40] 1.575
NATO-22 BARB
BTC NATO-22 BARB
[2.50] Ø.098
[22] .866
[16] .630
[0.50] .020

Long Barb

[101.60] 4.000
[57.15] 2.250
LONG BARB
[2.50] Ø.098
[20.32] .800
[0.64] .025

Instabarrier® Barb

[101.60] 4.000
[57.15] 2.250
INSTABARRIER
[0.51] .020
[31.75] 1.250

Detainer Hook® Barb

[101.60] 4.000
[19.05] .750
[63.50] 2.500
DETAINER HOOK BARB
[2.50] Ø.098
[0.64] .025
[33.02] 1.300

Industrial & Commercial

18" DETAINER HOOK BARB   18" DETAINER HOOK BARB   18" DETAINER HOOK BARB

APPROACH   APPROACH   APPROACH   APPROACH

7'-0"
MIN.

RETROFIT ONLY

Medium Security

30" DETAINER HOOK BARB

30" SUPERMAZE I OR II
30" INSTABARRIER

40" INSTABARRIER

APPROACH

10'-0"

12'-0"

1'-0"
MIN.

20'-0"
MIN.

SPECIFICATIONS

Minimum Security

30" DETAINER HOOK BARB

30" SUPERMAZE I OR II
30" INSTABARRIER
30" MAZE

FIELD FENCE

GROUND COVER

APPROACH

10'-0"

4'-0"

10'-0"

1'-0" MIN.

10'-0"

10'-0" MIN.

Maximum Security

30" DETAINER HOOK BARB

30" SUPERMAZE I OR II
30" INSTABARRIER

36" NATOBARRIER
40" INSTABARRIER

40" INSTABARRIER

APPROACH

10'-0"

12'-0"

1'-0" MIN.

20'-0" MIN.
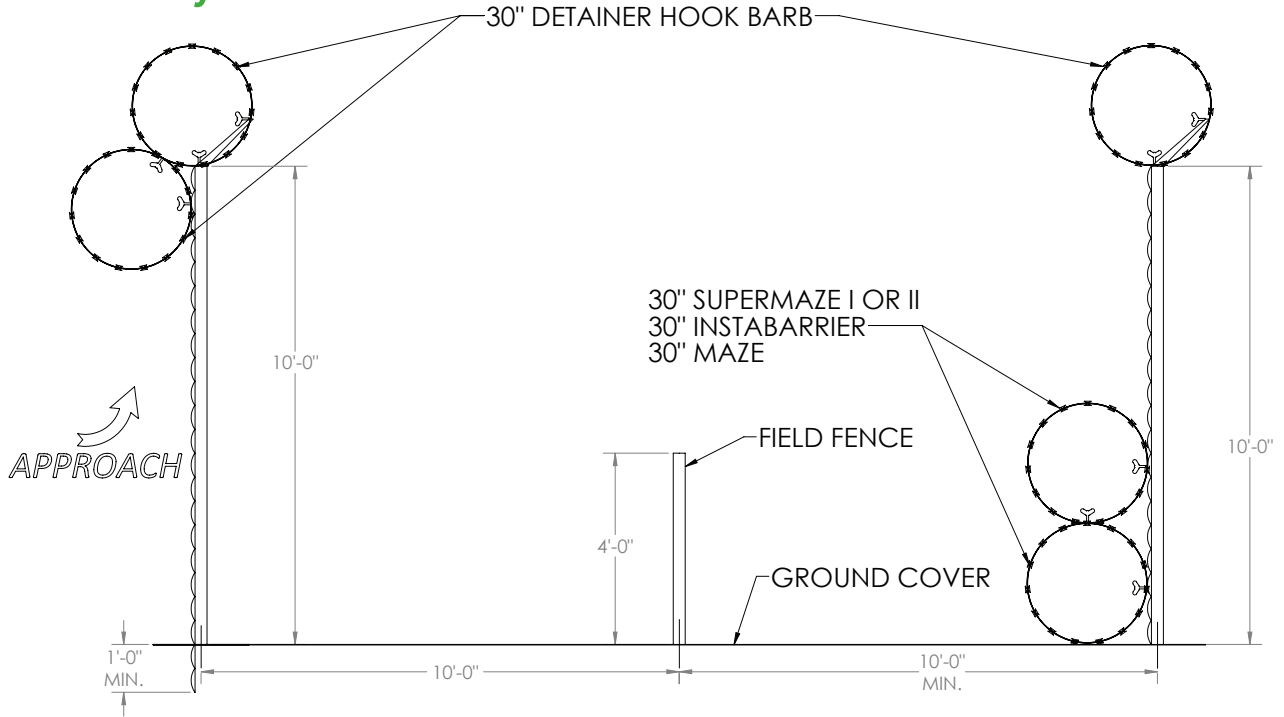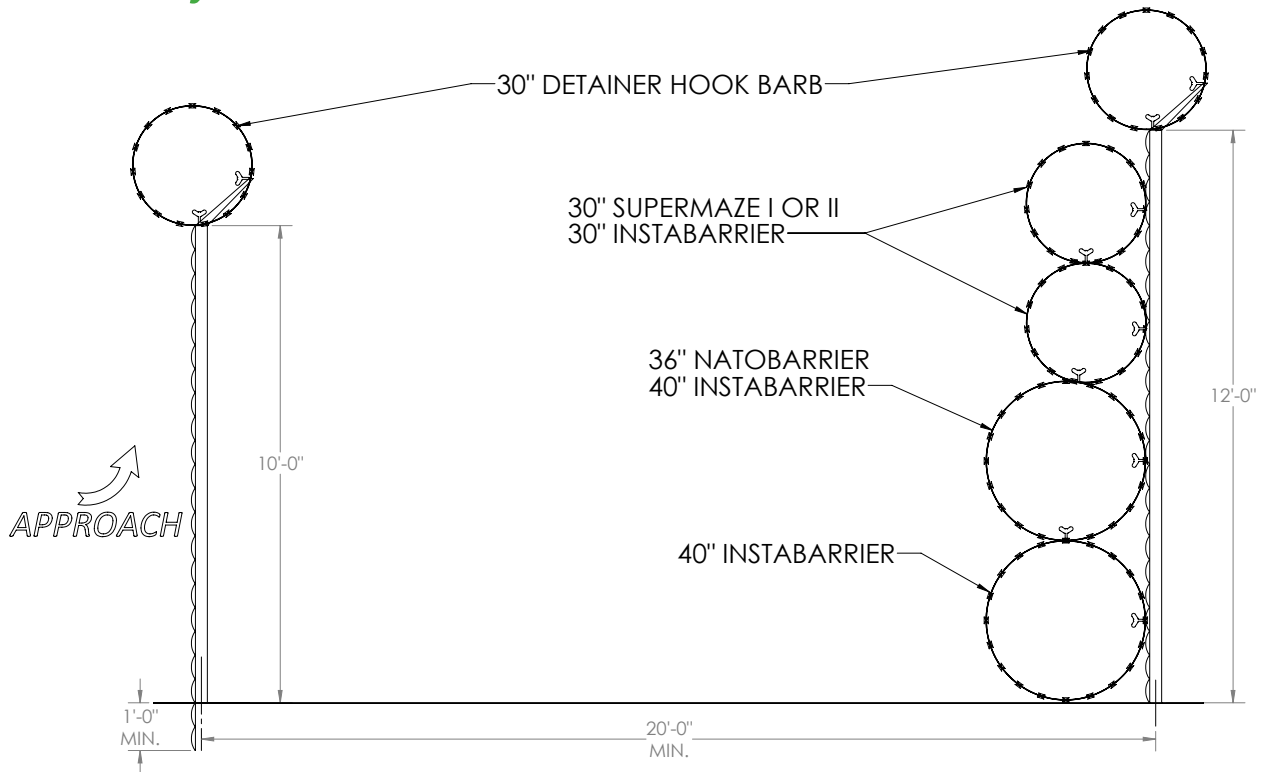
SPECIFICATIONS

High Maximum Security

30" DETAINER HOOK BARB

30" SUPERMAZE I OR II
30" INSTABARRIER

36" NATOBARRIER
40" INSTABARRIER

40" INSTABARRIER

36" NATOBARRIER
40" INSTABARRIER

APPROACH

14'-0"

10'-0"

1'-0"
MIN.

20'-0"
MIN.

Super Maximum Security

30" DETAINER HOOK BARB

36" NATOBARRIER
40" INSTABARRIER

40" INSTABARRIER

APPROACH

4'-0"

12'-0"

12'-0"

1'-0"
MIN.

20'-0"
MIN.
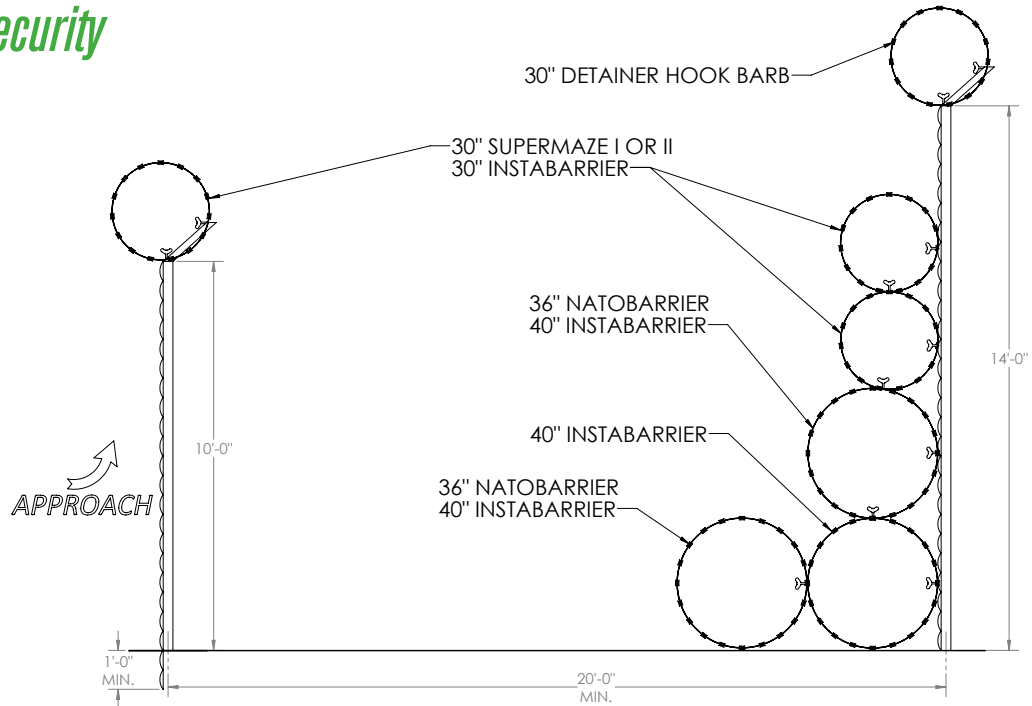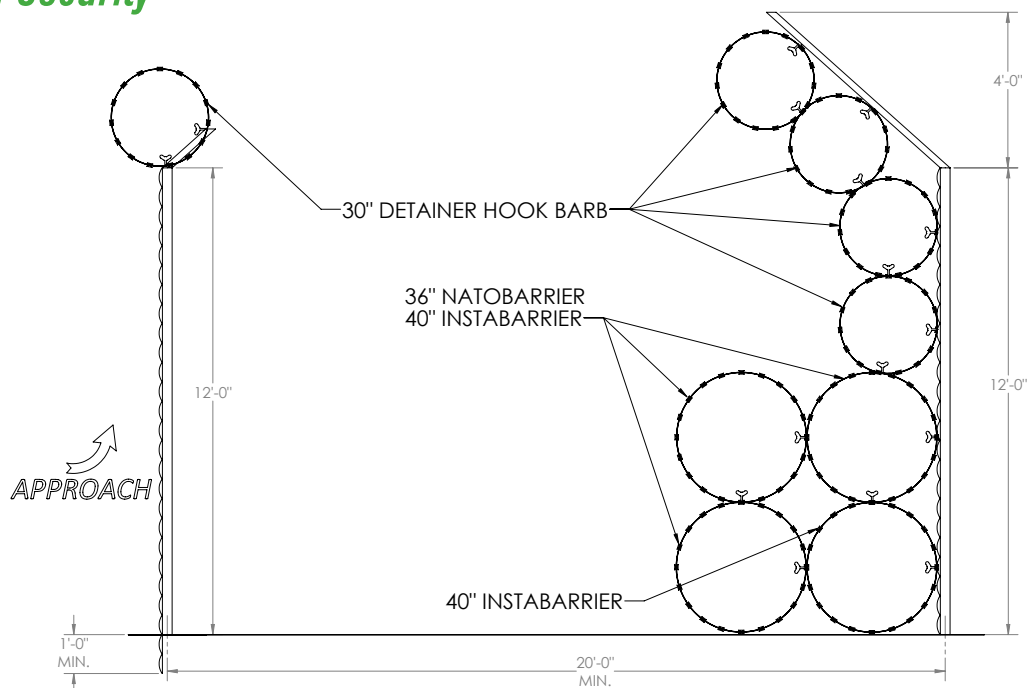
SECURITY BOLLARDS

Integrating a rated bollard into your perimeter security project gives the assurance the bollard will do what it was tested to do. Our rated products fall under our Perimeter Defense Technology line of bollards.

Calpipe Security Bollards®

Calpipe Security Bollards® is a worldwide leader in manufacturing high security bollards and is a part of Atkore. Their high security K/M-rated and ASTM crash-tested bollards have been installed to protect patrons and property from accidents and vehicle attacks at pedestrian plazas, professional sports stadiums, various embassies, border crossings facilities, and military sites.

What Level of Protection Are You Looking For?

Vehicle Weight		Vehicle Speed	DOS/DOD Rating	ASTM Rating
(lb)	(t)	(mph)		
15,000	7.5	50 MPH	K12	M50
15,000	7.5	30 MPH	K4	M30

Perimeter Defense Technology Bollards:

Calpipe Security Bollards Mfg. Model #	Description	Speed Rating/ Penetration Rating	As Tested Requirement	Certifying/ Testing Agency & Test Specification
PDTDS22/R	Fixed/Removable Bollard-Deep Mount 10" Diameter 39" Above Grade 44" Embedded Depth	K12 / L3	Minimum Bollard Array: (2) Center on Center Spacing: 59"	DOS DOD DOS: SD-STD-02.01 Rev. A
PDTDS22L	Deep Mount Lighted Bollard 10" Diameter 50" (FLAT CAP) 44" Embedded Depth	K12 *Engineered	Minimum Bollard Array: (2) Center on Center Spacing: 59"	DOS
PDT10080SMF/R	Fixed/Removable Bollard-Shallow Mount 10" Diameter 36" Above Grade 12" Embedded Depth	M50 / P2	Minimum Bollard Array: (3) Center on Center Spacing: 60"	ASTM ASTM: International Designation F2656-7
PDT10080SML	Shallow Mount Lighted Bollard 10" Diameter 45-⅜" (FLAT CAP) 12" Embedded Depth	M50 *Engineered	Minimum Bollard Array: (3) Center on Center Spacing: 60"	ASTM ASTM: International Designation F2656-07
PDT1200P/H	Pneumatic/Hydraulic/Automatic Retractable Bollard 10" Diameter 36" Deployed Height 58" Embedded Depth	K12 / L3 PAS68:2010	Minimum Bollard Array: (3) Center on Center Spacing: 39" Single Bollard Test-PAS68	DOS - DOD BSI: V/7500(N3)/⁸‰:7.⅛.0 DOS: SD-STD-02.01 Rev. A
PDT1200M/A	Screw Driven/Assisted Lift -Manual Retractable 10" Diameter 36" Deployed Height 58" Embedded Depth	K12 / L3 PAS68:2010	Minimum Bollard Array: (3) Center on Center Spacing: 39" Single Bollard Test-PAS68	DOS DOD BSI: V/7500(N3)/⁸‰:7.⅛.0 DOS: SD-STD-02.01 Rev. A
PDT8080F/R	Fixed/Removable Bollard-Deep Mount 8" Diameter 36" Above Grade 36" Embedded Depth	M30 *Engineered	Minimum Bollard Array: (2) Center on Center Spacing: 48" Single Bollard Test-PAS68	ASTM ASTM: International Designation F2656-07
PDT8080L	Deep Mount Lighted Bollard 8" Diameter 45-⅝" Above Grade 36" Embedded Depth	M30 *Engineered	Minimum Bollard Array: (2) Center on Center Spacing: 48"	ASTM ASTM: International Designation F2656-07
PDT8080SMF/R	Fixed/Removable Bollard-Shallow Mount 8" Diameter 36" Above Grade 12" Embedded Depth	M30 / P2	Minimum Bollard Array: (3) Center on Center Spacing: 48"	ASTM ASTM: International Designation F2656-07
PDT8080SML	Shallow Mount Lighted Bollard 8" Diameter 45⅝" Above Grade 12" Embedded Depth	M30 *Engineered	Minimum Bollard Array: (3) Center on Center Spacing: 48"	ASTM ASTM: International Designation F2656-07

WHAT GOES UP DOESN'T GET OVER.

When it comes to perimeter protection, Razor Ribbon® barbed tape is trusted the world over. Manufactured in Hebron, OH and engineered to meet ASTM Standards, Razor Ribbon® is the cutting-edge security solution for any fence or framework—from correctional facilities to chemical and nuclear sites to military and maritime applications. Make sure that the other side isn't an option. Stay secure at atkore.com/razorribbon.

Atkore™
Razor Ribbon

Atkore™

Allied Tube & Conduit · AFC Cable Systems · Heritage Plastics · Unistrut

Unistrut Construction · Cope · US Tray · Calbrite · Calbond · Kaf-Tech

Columbia-MBF · Eastern Wire + Conduit · ACS/Uni-Fab · Cii

Power-Strut · Calconduit · Razor Ribbon · Calpipe Security

Vergokan · Flexicon · Marco

Atkore

16100 South Lathrop Avenue
Harvey, IL 60426

TOLL FREE / 800-882-5543
FAX / 708-339-7814

atkore.com/razorribbon

Want to join a company that helps you build
the mindset, skill set and tool set for success?
Visit us at atkore.com/careers