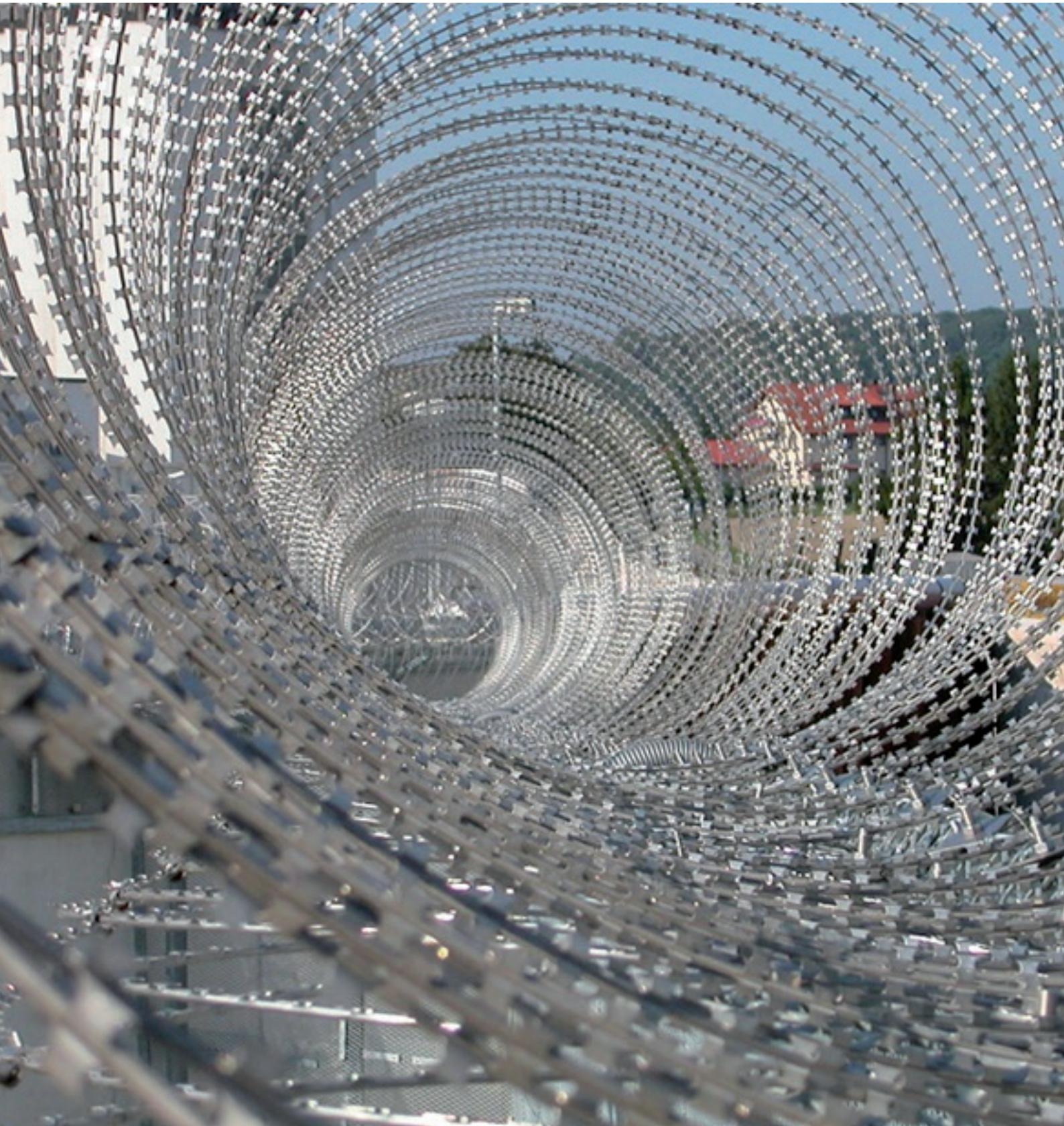


Ahead from the beginning.



Protecting people. Securing objects.

Graepel barrier tape and concertina wire type barrier.



Firmly rooted, successfully grown.

The Graepel history. For over 130 years a leader in the field of machining perforated sheets.

1882

Hugo Graepel produces the first perforated sheets in Budapest.

1908

Claudius Graepel founds a factory for perforated sheets and for their further processing in Hanover. The first „Graepel sieve“ is produced.

1915

The company moves to Halberstadt. Up to 400 people produce perforated plates, threshing machines, radiator grilles and more than 40 other articles, many of which are patented.

1923



Friedrich Graepel joins the company.

1946

After the expropriation of the company in Halberstadt, the company headquarters is relocated to West Germany and production is resumed in Wilhelmshaven.

1948

The company moves to its current location in Lönningen. The first apprentices start their education.



1953



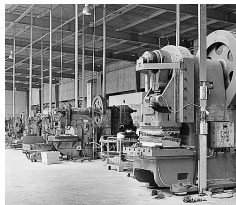
For the first time, newly developed silos for the storage and drying of grain are presented at the DLG in Cologne.

1965



Friedrich Claudius Graepel joins the company.

1969



The production of truck boards is started. With increasing demand, the machine park also grows.

1974

Start of S-wire production.

1976

A new building is erected for tool making. The production of non-slip safety gratings for plant and vehicle construction, the construction industry, mining and the food industry becomes a further production focus.

1981

The former partnership is transformed into a joint stock company. All shares are owned by the Graepel family.

1991

Friedrich Claudius Graepel takes over „Stalltechnik und Verzinkung Seehausen/Altmark (STUV)“ as a wholly-owned subsidiary and relocates the „Safety under the Feet“ production line there.

1992

The production of boot lids and side panels for motor coaches begins.

1996

The subsidiary's independence is complete. In the future it will operate under the name Graepel-STUV GmbH.

2003

The Graepel Bozankaya Otomotiv San. Ltd. in Sincan/Ankara is brought to life.

2004

The Graepel-Mitarbeiter-Beteiligungs GmbH is initiated to enable employees to participate in the company's success. The new construction of two halls, one in Lönningen (2,000 m.) and one in Seehausen (2,500 m.) enables capacity expansion.

2006

Graepel North America Inc, Dakota City, Nebraska is founded.

2008

A new administration building is built at the Lönningen site.

2009

Two new production halls are erected and equipped with corresponding machines, one in Lönningen and one in Seehausen.

2010

Graepel North America Inc, Omaha, Nebraska is expanded as a production site.

2014

Friedrich Graepel AG is being restructured into a holding company. Equivalent subsidiaries are: Graepel Lönningen GmbH & Co. KG, Graepel Seehausen GmbH & Co. KG, Graepel Surface Technology GmbH & Co. KG, Graepel North America Inc.

2017



Carlo and Felix Graepel are appointed to the Executive Board.

Founding of Graepel Perforation India Pvt. Ltd. in Chandigarh, India

Individual protection needs - effective protection.

Aggression against people and objects increases worldwide. This has led to an enormous increase in the importance of forefront security in recent years. Effective means of protection are concertina wire products type Barrier from Graepel.



With Graepel barrier tape and concertina wire products, stationary barriers as well as mobile quick barricades with a high barrier effect can be installed. They can easily be adapted to the respective protection requirements.

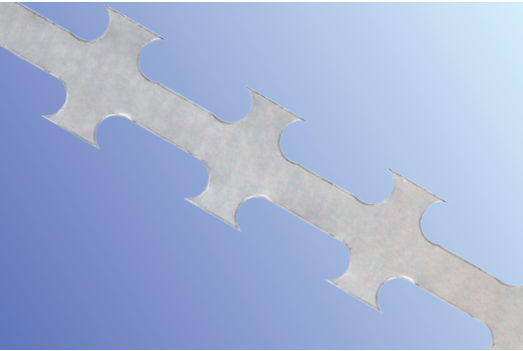
Among the multiple application of the Graepel Barrier products are:

- Fences
- Walls
- Roofs
- Open spaces
- Ship railings
- other blockades

Graepel Barrier products significantly enhance the effect of conventional barriers. In a wide variety of applications, they become obstacles that are difficult to pass or almost insurmountable.

Multiple barriers are also possible, e.g. pyramids of three or six or area barriers. Each of them proves optimal protection qualities. With conventional tools, it is almost impossible to cut the concertina wire rolls.

High-quality workmanship - a wide range of applications.



The barrier strip is punched from a 0.5 mm thick steel sheet (0.63 mm for type ZL) and then pressed around a spring steel wire with a diameter of 2.5 mm. Depending on the design of the barrier wire coils, the individual coils are clamped together. This creates an effective „accordion effect“. Due to the high tensile strength of the spring steel wire and the clamping, the barbed tape concertina rolls obtains enormous rigidity and complicates deliberate compression and cutting.

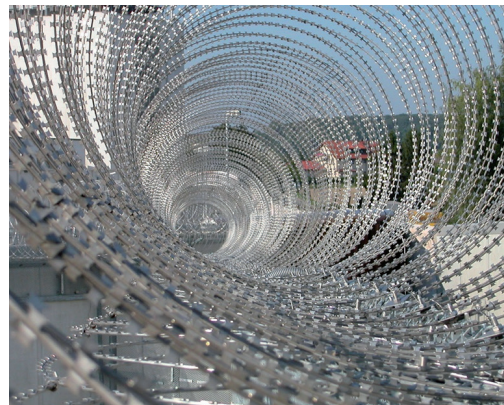
As material we use steel with a high-quality zinc coating or stainless steel as the material. Upon request, we manufacture the barrier wire rolls from galvanised spring steel wire and stainless steel barrier tape. A bitumen coating in olive green (standard) is also available.

Areas of application for barrier tape and barrier wire coils:

- Prisons
- Correctional institutions (forensics)
- Power plants
- Military facilities
- Airports and seaports
- Country borders
- Ship safeguards
- Industrial plants
- other fields of applications

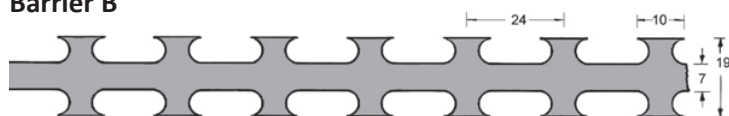
Ahead from the beginning.






Product range with technical data


Barrier B



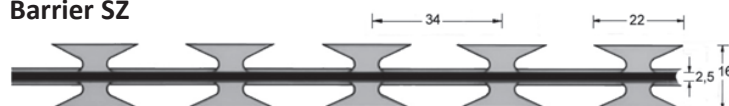
	Article Description	Amount of spools per box	Extension length per spool	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Barbed tape	6	50 m	14,4 kg	51	651


Barrier S



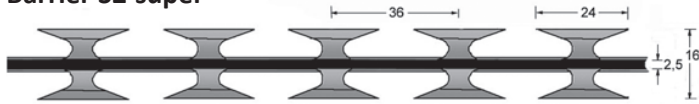
	Article Description	Coils-Ø in Storage conditions	Number of windings	Max. extension length	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size S1	955 mm	56	15 m	14,0 kg	1561	6561
	Size S2	800 mm	56	15 m	11,8 kg	2561	7561
	Size S3	690 mm	56	12 m	10,1 kg	3561	8561
	Size S4	570 mm	56	10 m	8,0 kg	8610	8611
	Size S5	450 mm	56	10 m	6,7 kg	8612	8614


Barrier SZ



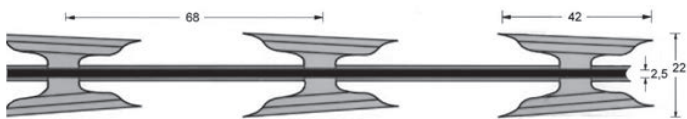
	Article Description	Coils-Ø in Storage conditions	Number of windings	Max. extension length	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size SZ1	975 mm	56	15 m	15,9 kg	1000	1001
	Size SZ2	815 mm	56	15 m	13,4 kg	1500	1501
	Size SZ3	700 mm	56	12 m	11,6 kg	1600	1601
	Size SZ4	570 mm	56	10 m	8,5 kg	8615	8617
	Size SZ5	450 mm	56	10 m	7,0 kg	8618	8620


Barrier SZ-super



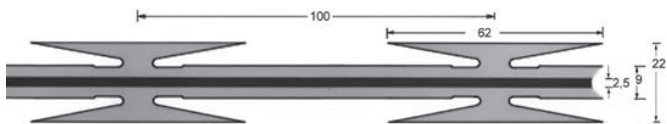
	Article Description	Coils-Ø in Storage conditions	Number of windings	Max. extension length	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size SZ-super 1	975 mm	56	15 m	16,4 kg	4000	4001
	Size SZ-super 2	815 mm	56	15 m	13,7 kg	4500	4501
	Size SZ-super 3	700 mm	56	12 m	11,9 kg	4600	4601
	Size SZ-super 4	570 mm	56	10 m	8,6 kg	4610	4611
	Size SZ-super 5	450 mm	56	10 m	7,2 kg	4615	4613


Barrier Z



	Article Description	Coils-Ø in Storage conditions	Number of windings	Max. extension length	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size Z1	975 mm	56	10 m	16,6 kg	0156	0656
	Size Z2	760 mm	56	10 m	13,0 kg	0256	0756
	Size Z3	650 mm	56	10 m	11,4 kg	0356	0856


Barrier ZL



	Article Description	Coils-Ø in Storage conditions	Number of windings	Max. extension length	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size ZL1	955 mm	56	10 m	19,8 kg	2100	2101
	Size ZL2	800 mm	56	10 m	16,6 kg	2200	2201
	Size ZL3	640 mm	56	10 m	13,5 kg	2300	2301

Barrier BS, S-wire coils not clamped




	Article Description	Coils- ϕ in Storage conditions	Number of windings not clamped	Max. extension length	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size BS	955 mm	56	170 m	13,9 kg	0133	6131

Within these roles, the turns are not clamped.

Barrier FD



	Article Description	Coil ϕ	Winding distance	Number of windings	Approx. weight	Order no. Galvanized	Order no. Stainless steel 1.4301
	Size FD1	500 mm	220 mm	70	13,9 kg	0136	6136
	Size FD2	700 mm	300 mm	54	15,8 kg	0134	6134

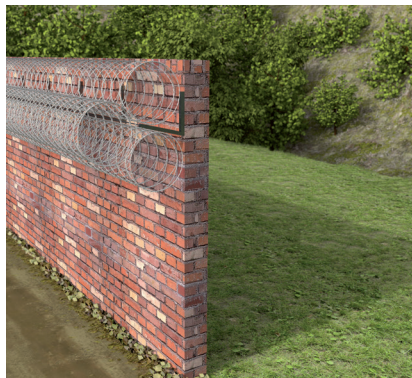
The flat wire coils have an extension length of approx. 14 m.

For high-security objects such as law enforcement or correctional facilities, other pull-out lengths, as listed here, are required. For further information please contact us.

The barrier tape is 0.5 mm thick (0.63 mm for type ZL), the wire diameter is 2.5 mm.

Upon request, the S-wire coils can be equipped with handles and ground hooks.

Assembly examples



Accessory



Pliers for C-clamp



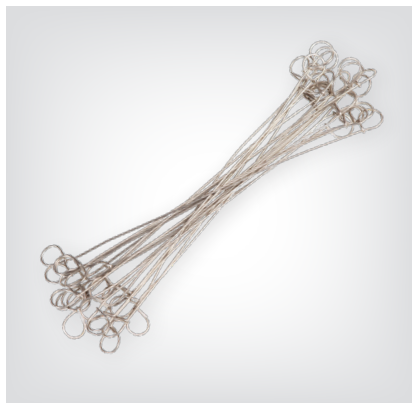
C-clamps made of stainless steel



Dispenser for Barrier B



Drill unit for tie wire



Stainless steel tie wire



Protective gloves

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