

**YOUR
RELIABLE
PARTNER
FOR DRILLING
SYSTEM**



HABER-TECH GMBH

SELF DRILLING ANCHOR SYSTEM

**ONE YOU NEED
ALL WE SUPPORT**

www.haber-tech.de



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www.umcnb.com

UMC[®]
Ground Support System

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Ground Support System

HABER-TECH GMBH

GLOBAL SERVICE

GERMANY

In order to serve European customers better, we have established a storage base in Ansbach, Germany, which reduces the shipping cycle of one month. We can deliver the goods to customers in a shorter time and provide stronger support for customers.

CHINA

In China, we have more than 400 kinds of products in stock. Through the development of ERP system, it covers the management of most self drilling anchor system accessories. We have carried out classified warehouse management for special customized customers, and the operation will be more efficient. The production and inventory base in China can provide strong supply and services for the Asia Pacific Region.

WE ARE NOT JUST A SIMPLE SUPPLIER

We are a professional manufacturer of innovative geotechnical solution, We offers designed solutions and services for the foundation, earth retention, shoring and underpinning projects, specializes in micropiles, rock anchors, soil Nails, underpinning and earth retention systems etc.

Our factory UMC has 25 years of experience in the production of self drilling anchor accessories, and can provide customers with one-stop supply services, whether it is product design, manufacturing, technology and after-sales, we will serve global customers with the standard of serving European customers.



HABER-TECH GMBH

MULTIPLE PRODUCTION LINE

We have the advanced production line of lose wax casting process, forging process and CNC Machining process to ensure the products with high quality level for global customers.

MULTIPLE LOCATION STOCK SERVICES

We developed and perfected many of the technologies and products we use for our services. In our 8,000sq. manufacturing and warehouse facility located in Ningbo China and 2,000sq warehouse located in Ansbach Germany.

INNOVATION & TECHNOLOGY SERVICES

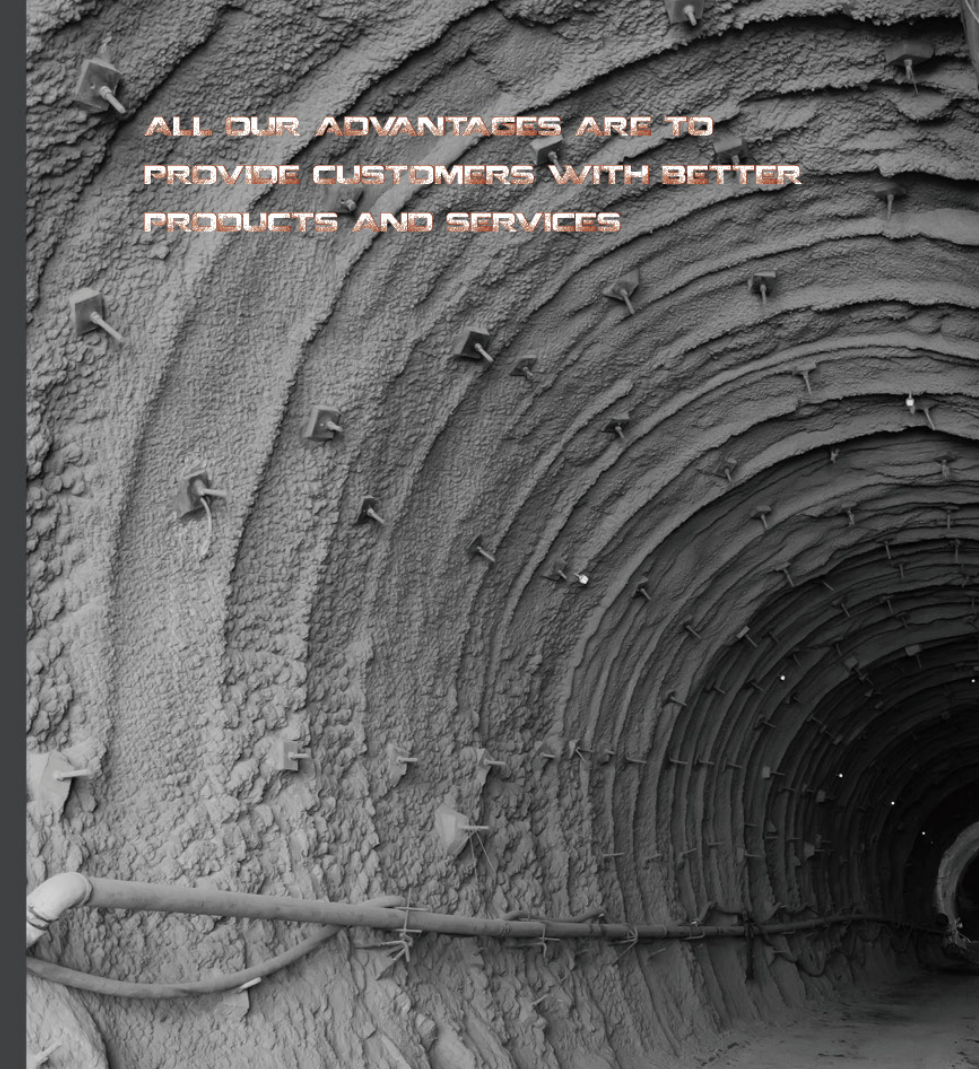
Since inception not only have we remained to promote to the products function of our innovative design, but we have also developed many other innovative materials and new product structure, our team is committed to providing outstanding service as well as closing to our customers' ideas. UDT, Our friendly and knowledgeable customer service team is ready to assist you with all your questions and concerns. We're here to help you.

QUALITY GUARANTEE

Keeping a persuasive high quality level is our business tenet. Our QC management team guarantees the implementation in all areas from material to mechanical properties, we assist and commit your projects will be safe.



**ALL OUR ADVANTAGES ARE TO
PROVIDE CUSTOMERS WITH BETTER
PRODUCTS AND SERVICES**



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GEOTECHNICAL SOLUTION



MICROPILE 1

A micropile is small-diameter (about 50mm to 300mm) deep foundation element, micropile foundations may consist of a single pile or a group of piles arranged in a grid or wall pattern, which are typically constructed with conventional drilling equipment by excavating a vertical shaft to the design depth and backfilling it with steel reinforcement and grout or concrete.



SOIL NAILING 2

Soil nailing is a construction remedial measure to treat unstable natural soil slopes or as a construction technique that securing of over-steepening existing soil slopes to keep the stabilization of retaining walls or embankments. The technique involves the drill of hollow bar into the slope, then hollow bars may be drilled by the use of a sacrificial drill bit and by pumping grout down the hollow bar as drilling progresses.



ROCK BOLT 3

Rock bolt, in tunneling and underground mining, steel bar inserted in a hole drilled into the roof or walls of a rock formation to provide support to the roof or sides of the cavity, and it transfers load from the unstable exterior to the confined interior of the rock mass.



TECHNICAL STRENGTH

We offer designed solutions and services for the foundation, earth retention, shoring and underpinning projects, specializes in micropiles, rock anchors, soil Nails, underpinning and earth retention systems etc.



TUNNELING 4

Tunnels as civil engineering structures are an underground passageway, dug through the surrounding soil, earth, rock enclosed except for entrance and exit, our tunneling support system includes top support, face support, partial support, temporary support and long-term support, ensures the safety and stability of tunnel engineering.



MINING 5

Mining is the extraction of valuable minerals or other geological materials from the Earth, usually from an ore body, lode, vein, seam, reef, or placer deposit. How to provide safe products to mining engineering is a question that we have been considering.



ALL PRODUCT DEVELOPMENT, DESIGN, PRODUCTION AND QUALITY INSPECTION ARE TO ENSURE PROJECT SAFETY



HABER-TECH GMBH



Ground Support Systems

PRODUCTION ADVANTAGE



HABER-TECH GMBH

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Ground Support System

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CASTING

Investment casting, also known as lost wax casting, the method in China originated in the spring and Autumn period at the latest, includes pressing wax, repairing wax, tree forming, slurry sticking, melting wax, casting liquid metal and post-treatment. Lost wax casting is to use wax to make the wax mold of the parts to be cast, and then the wax mold is coated with water glass and sands, which is called sands mold, after the mold is dried, dip it into a container of hot water to melt the inner wax mold. Take out the sands mold of the melted wax mold and bake it into pottery mold once roasted. Generally, when making mud mold, the pouring port is left, and then the molten steel is poured into the pouring gate. After cooling, the required parts are made.

FORGING

We adopt friction screw press to produce some high quality hexagon nut, domed nut, domed plate, angle plates and some special SDA accessories. Forging can eliminate the casting porosity and optimize the microstructure. Meanwhile, the mechanical properties of forgings are generally better than those of castings of the same material due to the preservation of complete steel flow lines.

MACHINING

We have multiple machining production lines to meet the deep processing requirements of accessories of self drilling anchor system. At the same time, in order to get through the upper and lower industrial chain, we integrate resources with some strategic partners and try our best to provide customers with one-stop supply and service. From 2021, we have began to carry out the transformation of intelligent factory to inject more power into the future.

HEAT TREATMENT

In order to make the accessories of self drilling anchor achieve a good mechanical properties and adapt to various geological condition and engineering requirements, we have carried out classified heat treatment on the accessories, through annealing, normalizing, quenching and tempering process, to ensure that the internal structure of each product is delicate and achieves certain physical conditions.

SURFACE TREATMENT

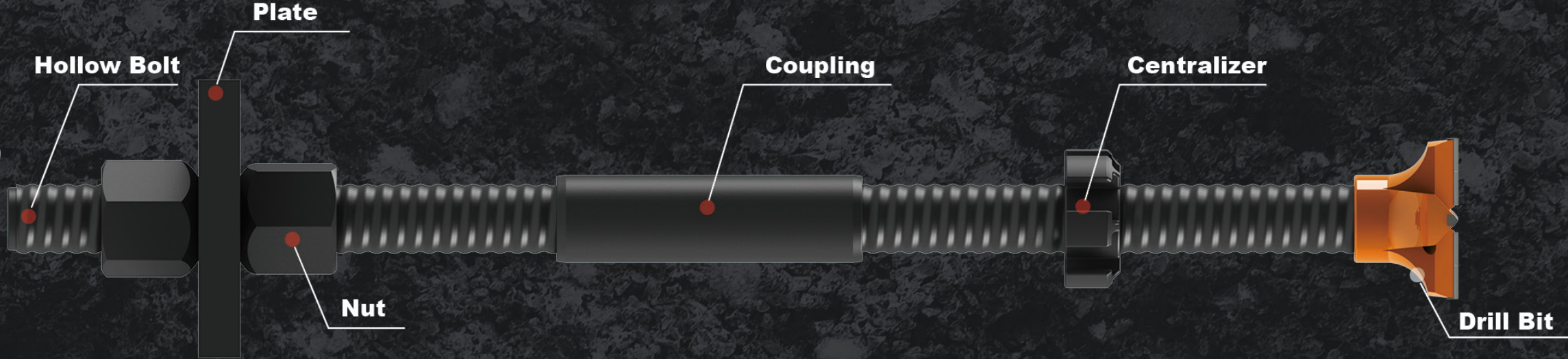
Our surface treatment processes include plastic spraying, electroplating, hot galvanizing, blackening, chrome plating, electrophoresis, oxidation and epoxy to meet the requirements of rust prevention and corrosion protection in various geological conditions. We can also customize the standard colors according to the requirements of customers.



25 YEARS OF CASTING AND
MACHINING PRODUCTION
EXPERIENCE

MAIN PRODUCTS

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BECAUSE OF BEING
PROFESSIONAL, WE ARE
MORE ASSURED.



HOLLOW STEEL BAR

Description	Unit	R25N	R32N	R32S	R32SS	R38N	R38NN	R38S	R51N	R51NN	T30/11	T40/20	T40/16	T52/26	T73	T76N	T76S	T103
Outer Diameter	mm	25	32	32	32	38	38	38	51	51	30	40	40	52	73	76	76	103
Inner Diameter	mm	14	21	19	18	24	22	23	34	33	11	20	16	26	53	51	45	78
Cross Sectional Area	mm²	229	331	369	408	510	661	560	892	968	445	713	892	1261	1694	1911	2420	3223
Ultimate Tensile Load	KN	200	280	360	400	500	500	550	800	800	320	540	660	930	1160	1600	1900	2300
Yield Load	KN	150	230	280	330	400	400	450	630	630	260	430	525	730	970	1200	1500	1800
Ultimate Tensile Strength	Mpa	873	846	976	980	980	756	982	897	826	719	757	741	738	685	837	785	714
Yield Strength	Mpa	655	695	759	809	784	605	803	706	651	584	603	589	579	573	628	620	558
A100mm	%	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Nominal Weight	Kg/m	1.8	2.6	2.9	3.2	4	4.8	4.4	7	7.6	3.5	5.6	7	9.9	13.3	15	19	25.3

REMARK:

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STEEL DRILL BIT - ESE



Button Hardened				Geological Properties					
Articel Number	Spec	Thread	Diameter (mm)	Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-1002504210	R2542ESE	R25	42					x	(x)
10-1003205110	R3251ESE	R32	51					x	(x)
10-1003207610	R3276ESE	R32	76					x	(x)
10-1003209010	R3290ESE	R32	90					x	(x)
10-1003807610	R3876ESE	R38	76					x	(x)
10-1003809010	R3890ESE	R38	90					x	(x)
10-1003811510	R38115ESE	R38	115					x	(x)
10-1005109010	R5190ESE	R51	90					x	(x)
10-1005110010	R51100ESE	R51	100					x	(x)
10-1005111510	R51115ESE	R51	115					x	(x)
10-1005113010	R51130ESE	R51	130					x	(x)
10-1005115010	R51150ESE	R51	150					x	(x)
10-2003005110	T3051ESE	T30	51					x	(x)
10-2003007610	T3076ESE	T30	76					x	(x)
10-2004007610	T4076ESE	T40	76					x	(x)
10-2004009010	T4090ESE	T40	90					x	(x)
10-2005211510	T52115ESE	T52	115					x	(x)
10-2005213010	T52130ESE	T52	130					x	(x)
10-2005215010	T52150ESE	T52	150					x	(x)
10-2007313010	T73130ESE	T73	130					x	(x)
10-2007315010	T73150ESE	T73	150					x	(x)
10-2007317510	T73175ESE	T73	175					x	(x)
10-2007613010	T76130ESE	T76	130					x	(x)
10-2007615010	T76150ESE	T76	150					x	(x)
10-2007617510	T76175ESE	T76	175					x	(x)
10-2007620010	T76200ESE	T76	200					x	(x)
10-2010320010	T103200ESE	T103	200					x	(x)
10-2010322510	T103225ESE	T103	225					x	(x)
10-2010325010	T103250ESE	T103	250					x	(x)
10-3006411510	RR64115ESE	RR64	115					x	(x)
10-3006413010	RR64130ESE	RR64	130					x	(x)
10-3007613010	RR76130ESE	RR76	130					x	(x)
10-3007615010	RR76150ESE	RR76	150					x	(x)
10-3007617510	RR76175ESE	RR76	175					x	(x)
10-3010817521	RR108175ESE	RR108	175					x	(x)
10-3010820021	RR108200ESE	RR108	200					x	(x)



STEEL DRILL BIT - EXE

Cross Hardened									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-1002504220	R2542EXE	R25	42	x	x	(x)	(x)		
10-1003205120	R3251EXE	R32	51	x	x	(x)	(x)		
10-1003207620	R3276EXE	R32	76	x	x	(x)	(x)		
10-1003209020	R3290EXE	R32	90	x	x	(x)	(x)		
10-1003807620	R3876EXE	R38	76	x	x	(x)	(x)		
10-1003809020	R3890EXE	R38	90	x	x	(x)	(x)		
10-1003811520	R38115EXE	R38	115	x	x	(x)	(x)		
10-1005109020	R5190EXE	R51	90	x	x	x	(x)		
10-1005110020	R51100EXE	R51	100	x	x	x	(x)		
10-1005111520	R51115EXE	R51	115	x	x	x	(x)		
10-1005113020	R51130EXE	R51	130	x	x	x	(x)		
10-1005115020	R51150EXE	R51	150	x	x	x	(x)		
10-2003005120	T3051EXE	T30	51	x	x	(x)	(x)		
10-2003007620	T3076EXE	T30	76	x	x	(x)	(x)		
10-2004007620	T4076EXE	T40	76	x	x	(x)	(x)		
10-2004009020	T4090EXE	T40	90	x	x	(x)	(x)		
10-2005211520	T52115EXE	T52	115	x	x	(x)	(x)		
10-2005213020	T52130EXE	T52	130	x	x	(x)	(x)		
10-2005213020	T52150EXE	T52	150	x	x	(x)	(x)		
10-2005215020	T73150EXE	T73	150	x	x	x	x		
10-2005217520	T73175EXE	T73	175	x	x	x	x		
10-2007613020	T76130EXE	T76	130	x	x	x	x		
10-2007615020	T76150EXE	T76	150	x	x	x	x		
10-2007617520	T76175EXE	T76	175	x	x	x	x		
10-2007620020	T76200EXE	T76	200	x	x	x	x		
10-2010320020	T103200EXE	T103	200	x	x	x	x		
10-2010325020	T103250EXE	T103	250	x	x	x	x		
10-3006411520	RR64115EXE	RR64	115	x	x	x	x		
10-3006413020	RR64130EXE	RR64	130	x	x	x	x		
10-3007613020	RR76130EXE	RR76	130	x	x	x	x		
10-3007615020	RR76150EXE	RR76	150	x	x	x	x		
10-3007617520	RR76175EXE	RR76	175	x	x	x	x		
10-3007620020	RR76200EXE	RR76	200	x	x	x	x		
10-3010817520	RR108175EXE	RR108	175	x	x	x	x		
10-3010820020	RR108200EXE	RR108	200	x	x	x	x		

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STEEL DRILL BIT - EWE

Clay Hardened									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-1003207630	R3276EWE	R32	76		x	x			
10-1003209030	R3290EWE	R32	90		x	x			
10-1003807630	R3876EWE	R38	76		x	x			
10-1003809030	R3890EWE	R38	90		x	x			
10-1003810030	R38100EWE	R38	100		x	x			
10-1003811030	R38110EWE	R38	110		x	x			
10-1003811530	R38115EWE	R38	115		x	x			
10-1005113030	R5130EWE	R51	90		x	x			
10-1005115030	R51150EWE	R51	100		x	x			
10-1005117530	R51175EWE	R51	115		x	x			
10-1005120030	R51200EWE	R51	200		x	x			
10-1005125030	R51250EWE	R51	250		x	x			
10-2003007630	T3076EWE	T30	76		x	x			
10-2003009030	T3090EWE	T30	90		x	x			
10-2004007630	T4076EWE	T40	76		x	x			
10-2004009030	T4090EWE	T40	90		x	x			
10-2004011530	T40115EWE	T40	115		x	x			
10-2005213030	T52130EWE	T52	130		x	x			
10-2005215030	T52150EWE	T52	150		x	x			
10-2005217530	T52175EWE	T52	175		x	x			
10-2007313030	T73130EWE	T73	130		x	x			
10-2007315030	T73150EWE	T73	150		x	x			
10-2007317530	T73175EWE	T73	175		x	x			
10-2007615030	T76150EWE	T76	150		x	x			
10-2007617530	T76175EWE	T76	175		x	x			
10-2007620030	T76200EWE	T76	200		x	x			
10-2007622530	T76225EWE	T76	225		x	x			
10-2007625030	T76250EWE	T76	250		x	x			
10-2010320030	T103200EWE	T103	200		x	x			
10-2010325530	T103250EWE	T103	250		x	x			
10-2010325030	T103300EWE	T103	300		x	x			

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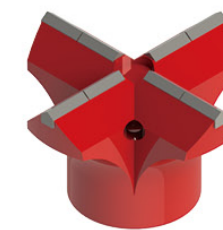


TC DRILL BIT - ESS(A)

Button Carbide Inserts									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
11-1002504281	R2542ESS	R25	42					x	x
11-1003205181	R3251ESS	R32	51					x	x
11-1003207681	R3276ESS	R32	76					x	x
11-1003209081	R3290ESS	R32	90					x	x
11-1003807681	R3876ESS	R38	76					x	x
11-1003809081	R3890ESS	R38	90					x	x
11-1003811581	R38115ESS	R38	115					x	x
11-1005109081	R5190ESS	R51	90					x	x
11-1005110081	R51100ESS	R51	100					x	x
11-1005111581	R51115ESS	R51	115					x	x
11-1005113081	R51130ESS	R51	130					x	x
11-2003005181	T3051ESS	T30	51					x	x
11-2003007681	T3076ESS	T30	76					x	x
11-2003009081	T3090ESS	T30	90					x	x
11-2004007681	T4076ESS	T40	76					x	x
11-2004009081	T4090ESS	T40	90					x	x
11-2004010081	T40100ESS	T40	100					x	x
11-1005210081	T52100ESS	T52	100					x	x
11-1005211581	T52115ESS	T52	115					x	x
11-1005213081	T52130ESS	T52	130					x	x
11-1005215081	T52150ESS	T52	150					x	x
11-1005217581	T52175ESS	T52	175					x	x
10-2007313081	T73130ESS	T73	130					x	x
10-2007315081	T73150ESS	T73	150					x	x
10-2007317581	T73175ESS	T73	175					x	x
10-2007613081	T76130ESS	T76	130					x	x
10-2007615081	T76150ESS	T76	150					x	x
10-2007617581	T76175ESS	T76	175					x	x
10-2007620081	T76200ESS	T76	200					x	x
11-3006411581	RR64115ESS	RR64	115					x	x
11-3006413081	RR64130ESS	RR64	130					x	x
11-3007613081	RR76130ESS	RR76	130					x	x
11-3007615081	RR76150ESS	RR76	150					x	x
11-3007617581	RR76175ESS	RR76	175					x	x
10-3010817581	RR108175ESS	RR108	175					x	(x)
10-3010820081	RR108200ESS	RR108	200					x	(x)

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TC DRILL BIT - EXX

Cross Carbide Inserts									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
11-1002504290	R2542EXX	R25	42					x	(x)
11-1003205190	R3251EXX	R32	51					x	(x)
11-1003207690	R3276EXX	R32	76					x	(x)
11-1003209090	R3290EXX	R32	90					x	(x)
11-1003807690	R3876EXX	R38	76					x	(x)
11-1003809090	R3890EXX	R38	90					x	(x)
11-1003810090	R38100EXX	R38	100					x	(x)
11-1005109090	R5190EXX	R51	90					x	(x)
11-1005110090	R51100EXX	R51	100					x	(x)
11-1005111590	R51115EXX	R51	115					x	(x)
11-1005113090	R51130EXX	R51	130					x	(x)
11-1005115090	R51150EXX	R51	150					x	(x)
11-1005113090	R51175EXX	R51	175					x	(x)
11-2003005190	T3051EXX	T30	51					x	(x)
11-2003007690	T3076EXX	T30	76					x	(x)
11-2004007690	T4076EXX	T40	76					x	(x)
11-2004009090	T4090EXX	T40	90					x	(x)
11-2004010090	T40100EXX	T40	100					x	(x)
11-2004011590	T40115EXX	T40	115					x	(x)
10-2005211590	T52115EXX	T52	115					x	(x)
10-2005213090	T52130EXX	T52	130					x	(x)
10-2005215090	T52150EXX	T52	150					x	(x)
10-2007313090	T73130EXX	T73	130					x	(x)
10-2007315090	T73150EXX	T73	150					x	(x)
10-2007317590	T73175EXX	T73	175					x	(x)
11-2007613090	T76130EXX	T76	130					x	(x)
11-2007615090	T76150EXX	T76	150					x	(x)
11-2007617590	T76175EXX	T76	175					x	(x)
11-2007620090	T76200EXX	T76	200					x	(x)
10-2010320090	T103200EXX	T103	200					x	(x)
10-2010325090	T103250EXX	T103	250					x	(x)

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STEEL DRILL BIT - EY

Y-Shaped Button Hardened									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-1003205140	R3251EY	R32	51	(x)	(x)	x	(x)		
10-1003207640	R3276EY	R32	76	(x)	(x)	x	(x)		
10-1003209040	R3290EY	R32	90	(x)	(x)	x	(x)		
10-1003807640	R3876EY	R38	76	(x)	(x)	x	(x)		
10-1003809040	R3890EY	R38	90	(x)	(x)	x	(x)		
10-1003810040	R38100EY	R38	100	(x)	(x)	x	(x)		
10-1003811540	R38115EY	R38	115	(x)	(x)	x	(x)		
10-1003813040	R38130EY	R38	130	(x)	(x)	x	(x)		
10-1005109040	R5190EY	R51	90	(x)	(x)	x	(x)		
10-1005111540	R51115EY	R51	115	(x)	(x)	x	(x)		
10-1005113040	R51130EY	R51	130	(x)	(x)	x	(x)		
10-1005115040	R51150EY	R51	150	(x)	(x)	x	(x)		



STEEL DRILL BIT - EXT

Mutiple Step-Cross Hardened									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-2007613021	T76130EXT	T76	130	x	x	x	x		
10-2007615021	T76150EXT	T76	150	x	x	x	x		
10-2007617521	T76175EXT	T76	175	x	x	x	x		
10-2007620021	T76200EXT	T76	200	x	x	x	x		
10-3007613021	RR76130EXT	RR76	130	x	x	x	x		
10-3007615021	RR76150EXT	RR76	150	x	x	x	x		
10-3007617521	RR76175EXT	RR76	175	x	x	x	x		
10-3007620021	RR76200EXT	RR76	200	x	x	x	x		

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STEEL DRILL BIT - EC

Arc-Shaped Hardened									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-1003205150	R3251EC	R32	51	x	x	(x)	(x)		
10-1003207650	R3276EC	R32	76	x	x	(x)	(x)		
10-1003209050	R3290EC	R32	90	x	x	(x)	(x)		
10-1003807650	R3876EC	R38	76	x	x	(x)	(x)		
10-1003809050	R3890EC	R38	90	x	x	(x)	(x)		
10-1005109050	R5190EC	R51	90	x	x	(x)	(x)		
10-1005111550	R51115EC	R51	115	x	x	(x)	(x)		
10-1005113050	R51130EC	R51	130	x	x	(x)	(x)		



STEEL DRILL BIT - EYT

Y-Shaped Hardened									
Articel Number	Spec	Thread	Diameter (mm)	Geological Properties					
				Alluvium	Sands	Cohesive Soils	Gravel	Soft Rock	Hard Rock
10-1003207641	R3276EYT	R32	76	(x)	x	x	(x)		
10-1003209041	R3290EYT	R32	90	(x)	x	x	(x)		
10-1003807641	R3876EYT	R38	76	(x)	x	x	(x)		
10-1003809041	R3890EYT	R38	90	(x)	x	x	(x)		
10-1005109041	R5190EYT	R51	90	(x)	x	x	(x)		
10-1005110541	R51110EYT	R51	110	(x)	x	x	(x)		
10-1005113041	R51130EYT	R51	130	(x)	x	x	(x)		

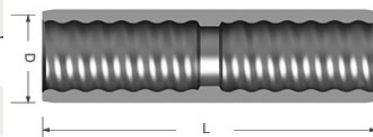
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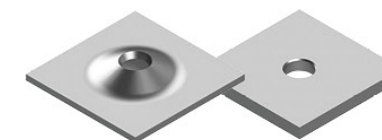
COUPLING- ACC

Multiple Thread Multiple Length					
Articel Number	Spec	Thread	Dimension (mm)		Model
			D	L	
20-1002515035	ACR25-150	R25	35	150	
20-1003212042	ACR32-120	R32	42	120	
20-1003214542	ACR32-145	R32	42	145	
20-1003216042	ACR32-160	R32	42	160	
20-1003219042	ACR32-190	R32	42	190	
20-1003818050	ACR38-180	R38	50	180	
20-1003820050	ACR38-200	R38	50	200	
20-1003822050	ACR38-220	R38	50	220	
20-1005118563	ACR51-185	R51	63.5	185	
20-1005120063	ACR51-200	R51	63.5	200	
20-1005122063	ACR51-220	R51	63.5	220	
20-2003010538	ACT30-105	T30	38	105	
20-2003012038	ACT30-120	T30	38	120	
20-2004014057	ACT40-140	T40	57	140	
20-2004016057	ACT40-160	T40	57	160	
20-2005216070	ACT52-160	T52	70	160	
20-2007323589	ACT73-235	T73	89	235	
20-2007324595	ACT73-245	T73	95	245	
20-2007620095	ACT76-200	T76	95	200	
20-2007620097	ACT76-220	T76	97	220	
20-20103255127	ACT103-255	T103	127	255	
20-20103290133	ACT103-290	T103	133	290	



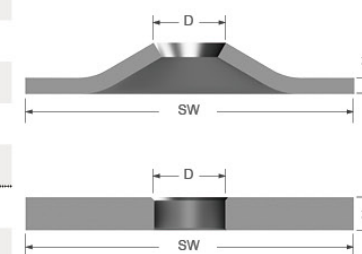
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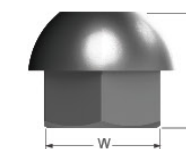
ANCHOR PLATE- APL

Hemispherical Square						
Articel Number	Spec	Fit	Dimension(mm)			Model
			SW	H	D	
50-1002500800	PLR25/8	R25	150*150	8	27	
50-1003200800	PLR32/8	R32	200*200	8	34	
50-1003201000	PLR32/10	R32	200*200	10	34	
50-1003201200	PLR32/12	R32	200*200	12	34	
50-1003801000	PLR38/10	R38	200*200	10	40	
50-1003801200	PLR38/12	R38	200*200	12	40	
50-1005102500	PLR51/25	R51	200*200	25	55	
50-1005104000	PLR51/50	R51	250*250	50	55	
50-2003000800	PLT30/8	T30	200*200	8	32	
50-2004001200	PLT40/12	T40	200*200	12	43	
50-2005203500	PLT52/35	T52	220*220	35	55	
50-2007604000	PLT76/40	T76	250*250	40	80	



DOMED NUT- ADN

Spherical Head Hexagon Body					
Articel Number	Spec	Thread	Dimension (mm)		Model
			W	H	
30-1002504135	DNR25/35	R25	41	35	
30-1003204646	DNR32/45	R32	46	46	
30-1003805555	DNR38/55	R38	55	55	
30-1005107570	DNR51/70	R51	75	70	
30-2003004635	DNRT30/35	T30	46	35	
30-2004005550	DNRT40/50	T40	55	50	
30-2005208075	DNRT52/70	T52	80	75	
30-2007309570	DNRT73/80	T73	95	70	
30-2007610080	DNRT76/80	T76	100	80	
30-2010312580	DNRT103/80	T103	125	80	
30-20103125130	DNRT103/130	T103	125	130	



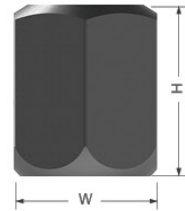
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HEX NUT- AHN

Spherical head Hexagon body					
Articel Number	Spec	Thread	Dimension (mm)		Model
			W	H	
31-1002503539	HNR25/39	R25	41	39	
31-1003204645	HNR32/45	R32	46	45	
31-1003204665	HNR32/65	R32	46	65	
31-1003805060	HNR38/60	R38	50	60	
31-1005107535	HNR51/35	R51	75	35	
31-1005107570	HNR51/70	R51	75	70	
31-2003004635	HNRT30/35	T30	46	35	
31-2004006550	HNRT40/50	T40	65	50	
31-2005207570	HNRT52/70	T52	75	70	
31-2007310080	HNRT73/80	T73	100	80	
31-2007610080	HNRT76/80	T76	100	80	
31-2010312580	HNRT103/80	T103	125	80	
31-3006408535	HNRR64/35	RR64	85	35	
31-3006408570	HNRR64/70	RR64	85	70	
31-3007610040	HNRR76/40	RR76	100	40	
31-3007610085	HNRR76/85	RR76	100	85	



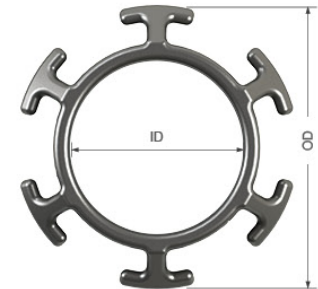
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STEEL CENTRALIZER- ASC



Spacer Hardened Six Feet					
Articel Number	Spec	Fit	Dimension(mm)		Model
			ID	OD	
40-1002504500	SCR25/60	R25	27	45	
40-1003207000	SCR32/70	R32	34	70	
40-1003207500	SCR32/90	R32	34	90	
40-1003807000	SCR38/70	R38	40	70	
40-1003809000	SCR38/90	R38	40	90	
40-1005108500	SCR51/85	R38	52	85	
40-1005108500	SCR51/100	R38	52	100	
40-2003007000	SCT30/70	T30	32	70	
40-2004007500	SCT40/75	T40	42	75	
40-2004008800	SCT40/88	T40	42	88	
40-2004009000	SCT40/90	T40	42	90	
40-2005211200	SCT52/112	T52	54	112	
40-2007313000	SCT73/130	T73	75	130	
40-2007313500	SCT73/135	T73	75	135	
40-2007314000	SCT73/140	T73	75	140	
40-2007613000	SCT76/130	T76	78	130	
40-2007614000	SCT76/140	T76	78	140	
40-2010314000	SCT103/140	T103	105	140	
40-2010316500	SCT103/165	T103	105	165	
40-3006413000	SCRR76/130	RR64	78	130	
40-3006414000	SCRR76/140	RR64	78	140	
40-3006409500	SCRR76/130	RR76	78	130	
40-3007614000	SCRR76/140	RR76	78	140	
20-2007323500	ACT73-235	T73	89	235	
20-2007620000	ACT73-200	T76	89	200	
20-2010325500	ACT103-255	T103	118	255	
30-3006416000	ACRR64-160	RR64	75	160	
30-3007620000	ACR76-200	RR76	89	200	

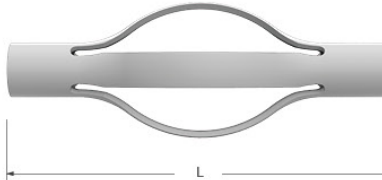
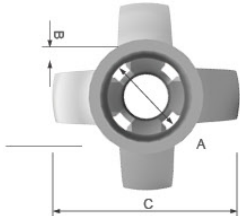


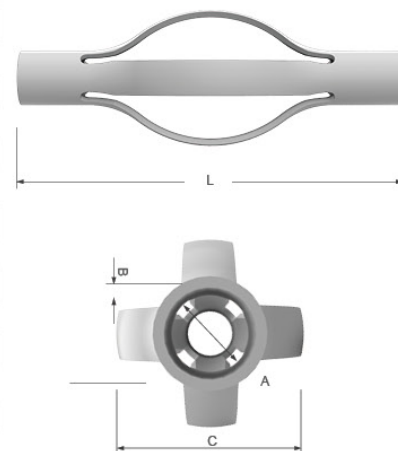
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CENTRALIZER- PSC

Spacer PVC Bulging Center						
Articel Number	Spec	Dimension(mm)				Model
		A	B	C	L	
41-0250351600	CL4020	Φ25	~2.8	Φ35	160±15mm	
41-0280351600	CL4022	Φ28	~2.8	Φ35	160±15mm	
41-0250451600	CL5020	Φ25	~2.8	Φ45	160±15mm	
41-0280451600	CL5022	Φ28	~2.8	Φ45	160±15mm	
41-0300401600	CL4025	Φ30	~2.8	Φ40	160±15mm	
41-0300451600	CL5025	Φ30	~2.8	Φ45	160±15mm	
41-0300601600	CL6025	Φ30	~2.8	Φ60	160±15mm	
41-0380601600	CL6032	Φ38	~2.8	Φ60	160±15mm	
41-0480601600	CL6040	Φ48	~2.8	Φ60	160±15mm	
41-0300651600	CL7025	Φ30	~2.8	Φ65	160±15mm	
41-0380651600	CL7032	Φ38	~2.8	Φ65	160±15mm	
41-0300751600	CL8025	Φ30	~2.8	Φ75	160±15mm	
41-0380751600	CL8032	Φ38	~2.8	Φ75	160±15mm	
41-0480751600	CL8040	Φ48	~2.8	Φ75	160±15mm	
41-0300851600	CL9025	Φ30	~2.8	Φ85	160±15mm	
41-0380851600	CL9032	Φ38	~2.8	Φ85	160±15mm	
41-0480851600	CL9040	Φ48	~2.8	Φ85	160±15mm	
41-0480852750	CL9040	Φ48	~2.8	Φ85	275±15mm	
41-0300951600	CL10025	Φ30	~2.8	Φ95	160±15mm	
41-0380951600	CL10032	Φ38	~2.8	Φ95	160±15mm	
41-0480951600	CL10040	Φ48	~2.8	Φ95	160±15mm	
41-0570951600	CL10050	Φ57	~2.8	Φ95	160±15mm	
41-0301101600	CL11025	Φ30	~2.8	Φ110	160±15mm	
41-0301151600	CL12025	Φ30	~2.8	Φ115	160±15mm	
41-0381151600	CL12032	Φ38	~2.8	Φ115	160±15mm	
41-0481151600	CL12040	Φ48	~2.8	Φ115	160±15mm	
41-0571151600	CL12050	Φ57	~2.8	Φ115	160±15mm	
41-0481211600	CL12140	Φ48	~2.8	Φ121	160±15mm	
41-0481251600	CL12540	Φ48	~2.8	Φ125	160±15mm	
41-0701251800	CL12570-8	Φ70	~3	Φ125	180±20mm	
41-0751251800	CL12575-8	Φ75	~3.6	Φ125	180±20mm	
41-0381251600	CL13032	Φ38	~2.8	Φ125	160±15mm	
41-0381401600	CL14032	Φ38	~2.8	Φ140	160±15mm	
41-0481401600	CL14040	Φ48	~2.8	Φ140	160±15mm	
41-0301451600	CL15025	Φ30	~2.8	Φ145	160±15mm	
41-0381451600	CL15032	Φ38	~2.8	Φ145	160±15mm	
41-0481451600	CL15040	Φ48	~2.8	Φ145	160±15mm	
41-0571451600	CL15050	Φ57	~2.8	Φ145	160±15mm	
41-0571901800	CL20050	Φ57	~2.8	Φ190	180±20mm	
41-0301551600	CL16025	Φ30	~2.8	Φ155	160±15mm	
41-0301552800	CL16025	Φ30	~2.8	Φ155	280±15mm	



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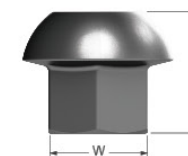
THREAD ADAPTER- ADT

Inner Thread Out Thread				
Articel Number	Spec	Inner Thread	Out Thread	Height(mm)
55-1003203800	ADT-R32/R38	R32	R38	50
55-1003205100	ADT-R32/R51	R32	R51	70
55-1003805100	ADT-R38/R51	R38	R51	70



REBAR NUT- RGN

Spherical Head Hexagon Body					
Articel Number	Spec	Thread	Dimension(mm)		Model
			W	H	
34-2502504508	GNT25/45	T25	41	45	
34-2502805408	GNT25/54	T28	41	54	
34-2503204508	GNT32/57	T32	46	57	
34-2504007008	GNT40/70	T40	65	70	



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