



HASPL[®]

We live for fastening

www.haspl.eu

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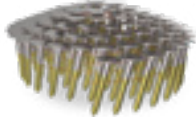









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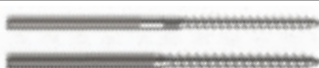












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FASTENERS








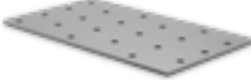
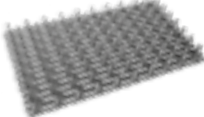





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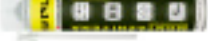






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TRADITIONAL CZECH MANUFACTURER OF NAILS

We are a 100% Czech family-run company which can, as for its main manufacturing programme, i.e. production of nails, daringly compete with the other European manufacturers. Nails made in the Czech Republic are known and used by our customers all over Europe; more than fifty percent of our production is exported at the present time. We have been a reliable partner not only to wooden pallet manufacturers, various wholesalers or retailers but also to small craftsmen.

As we want our products to maintain their top-quality standard for a long time, our manufacturing programme is permanently modernized. On the one hand, we preserve our traditional manufacture of nails using classic machines but on the other hand, we have the use of state-of-the-art machinery for the manufacturing, cleaning, thread rolling and packing of nails. The top-quality of our product is proved by a series of

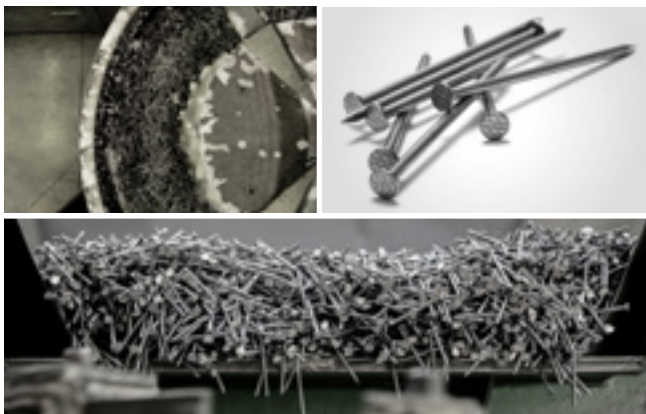
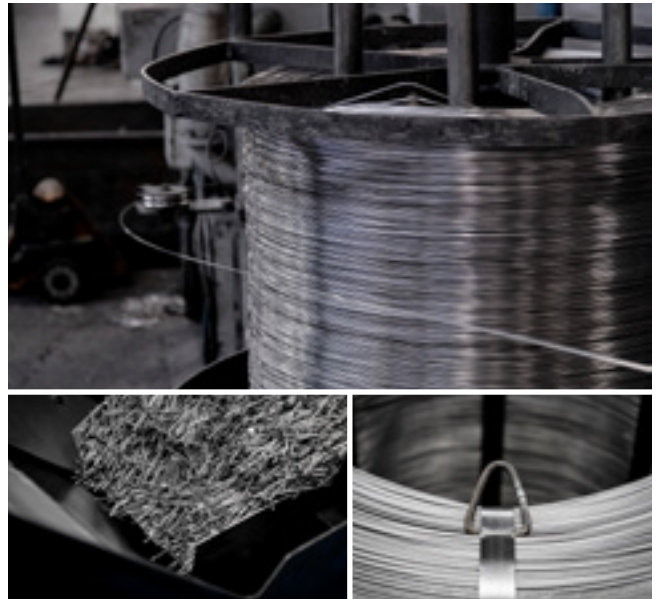
various certificates we have been awarded. Since the main part of our exports consists of special nails for the manufacture of the EUR pallets, it is absolutely essential for us to be a holder of the European Pallet Association (EPAL) Certificate. Having met all the necessary conditions, we won this certificate as early as 2000. This certificate is necessary for doing business with companies dealing in manufacture, sale and repairs of the EUR Pallets marked "EPAL".

Our Company's flagship products are all kinds of nails. Later, we extended our production range by adding other fastening materials such as anchors, timber connectors, injection mortars and adhesives, screws, bolts, nuts and others. Nevertheless, the manufacture of nails is something we are really good at. We are able to offer almost all diameters of various kinds of nails including wire coil nails, plastic coil nails as well as paper or plastic strip nails.

PROCESS OF MANUFACTURE

The company Hašpl has the use of state-of-the-art machines for the manufacturing, cleaning, thread rolling and packing of nails. The nail production itself is divided into several stages. The main raw material is a wire that comes in coils and is then processed in several technological steps depending on the purpose of its final use.

We mostly process a steel wire without any surface finish but in some cases we work with stainless, aluminium, brass or copper wires. The nails are shaped using a cold forming process in automatic nail making machines. The very transformation of a wire into a nail takes place in the area of the hammer, jaw box and cutting edges. In these mechanisms, the head of the nail is formed and then the wire is cut to have the exact length.

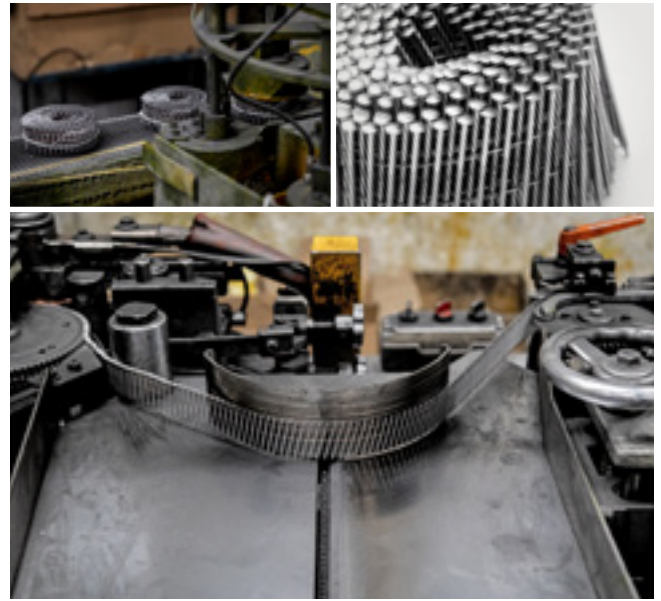


If the nails are dirty after the initial nail forming process, they are tumbled in rotatable drums.

From the automatic nail making machines, the nails go to a thread rolling machine where the shanks are rolled out. Shafts with special surface finish are required for all kinds of high-strength and high-durability joints, especially for making pallets and other wooden packing elements. Nails with special shanks are also widely used by roofers and other craftsmen.

We have adapted ourselves to the current increased demand for convex and screw nails by purchasing the heaviest-duty automatic nail making machine ever made. This technology has been developed by the Danish company Enkotec and it combines two individual technologies, i.e. the NP02 automatic nail making machine and the TA02SH-28 thread rolling machine. It can be said that a steel wire enters the machine on its one end and finished nails with properly shaped shafts (convex ring or screw nails) leave the machine on its other end. This technology considerably increases the productivity of labour as all semi-product handling is eliminated. In addition to that, this machine is able to make up to 2,500 nails in a minute. The productivity is increased even more by the fact that all the dirt and other undesirable solids are exhausted directly from the machine so that the finished product need not undergo any final treatment.

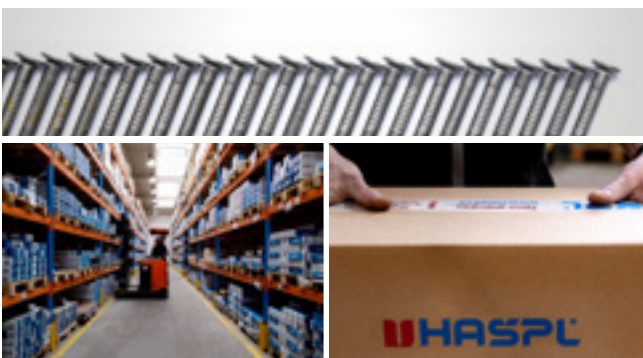




Indivisible part of our production is nail collation (wire-, paper- and plastic-collation). This step is made on the Enkotec / Bausmann and Zeus Techno machines. By making collated nails, we distinguish ourselves from our smaller competitors that offer loose nails only.

As pneumatic, gas and battery-powered nail guns are commonplace nowadays, the importance of nail collation has considerably increased.

The final stage of the production process is packing the goods using the Altrimex packaging lines and shipping them to our customers or sending them to our shipping warehouse.



No matter whether it is the input material, production process or customer services, we put emphasis on the best quality without any compromises. The best quality, however, means much more to us. It means our natural everyday culture and philosophy. We have been a successful company for a long time and we have been keeping the leading position thanks to our responsible and skilled staff and its enthusiasm for the work. We care about our reputation and we set a high price on integrity of our employees as well as on our customers' trust in our company.



ABOUT THE COMPANY

The beginnings of the Hašpl company date back to the nineties of the twentieth century, when Václav Hašpl established a small family-run business to make nails. During thirty years of its existence, the company has become a leader in this kind of industry.

Our main manufacturing programme is focused mainly on nail making in spite of the fact that we have considerably extended the programme by other fastening materials. We produce more than 25,000 metric tons of nails a year. Part of this amount is intended for the domestic market but 60 percent of this amount is exported. The Czech nails are known and used by customers all over Europe, particularly in Germany, Austria, France, Denmark, Slovakia, Scandinavian countries, Italy, Baltic countries, United Kingdom, Ireland and others. Our nails are also regularly exported across the ocean as we have permanent customers even in the U.S.A.

Since 1999, the registered office of our company (including all the commercial background and main production halls) has been on our own premises in the town of Velké Poříčí. Another part of our company is located on hired premises in the nearby town of Hronov. As we have considerably increased our production capacity, we had to buy additional warehouses in the town of Police nad Metují – Petrovice in 2021.



As the demand has been constantly increasing, in 2016, we purchased premises of former Broumov Engineering Plants in Hynčice which is now being completely redeveloped. At the present time, when emphasis is put on effectiveness, accuracy, top quality and quick deliveries, the premises in Hynčice showed to be extremely useful. They serve as shipping centre for our E-shop and as a showroom.

Some basic issues such as issues of renewable energy resources and energy self-sufficiency have appeared recently. Our company considers these issues as a challenge. The administration building as well as the main building on the premises in Hynčice have gone through complete modernization. Energy performance of both the buildings is now much more effective owing to better thermal insulation and new roof covering which resulted in lower heating expenses. In 2023, we staked on photovoltaic cells which should partly cover consumption of electricity necessary for our production on our main premises.

At the present time, the company Hašpl gives work to 230 employees in various positions. Our respect for tradition and diligent work, the Czech product, the top-quality services and our personalized attitude to each customer and to each order make us one of the leaders among European nail manufacturers and suppliers of fasteners.



EUROCODES

Eurocode 5, EN 14592, CE

Already in 1975 the European Commission launched a program to limit the validity of national standards in the construction industry, with the aim of releasing the free trade of construction materials within the EU. In 1989, the European Committee for Standardization (CEN) took over this task and set rules for the design of civil buildings and structures, so called Eurocodes, that replace existing national standards.

EN 1995, Eurocode 5

EN 1995, including the corresponding National annex (NA), applies to the design of high-rise and engineering constructions made of wood and wood materials. Eurocode 5 specifies requirements for a variety of fasteners (nails, staples, screws) and determines the load-bearing capacity and strength of individual connections based on the relevant standard. EN 14592 is the defining standard for Eurocode 5 requirements.

EN 14592

This standard defines material properties, geometry and test methods for determining the mechanical properties of fasteners. On the base of the fulfilment of these requirements, the product can be marked with the CE symbol.

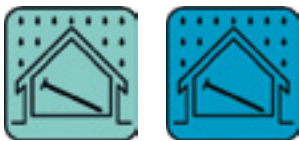
CE

With the CE symbol, the manufacturer declares that the product complies with the given properties according to EU Regulation No. 765/2008, that it is safe to use for its intended purpose.

SERVICE CLASSES

Wood moisture and external climatic conditions are important factors for the design and construction of wooden structures.

SERVICE CLASS 1



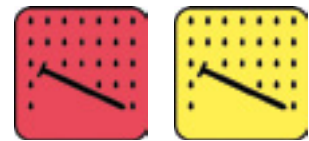
For environments with balanced humidity, especially indoors. Moisture in softwoods up to 12%. Corrosion protection is not required for fasteners. This includes nails without surface treatment and galvanized nails with a layer thickness of up to 12 µm.

SERVICE CLASS 2



For environments with balanced humidity, for example roof structures. Moisture in softwoods up to 20%. For fasteners up to \varnothing 4 mm, surface treatment by galvanizing min. 12 µm is required, for \varnothing bigger than 4 mm the fasteners can be without surface treatment.

SERVICE CLASS 3



For environments with high humidity and aggressive climatic conditions (outdoor use). Moisture in conifers greater than 20%. Surface treatment by galvanizing min. 25 µm, or hot-dip galvanizing is required, or using stainless steel material.



NAILS

- Loose nails
- Nails for pallet manufacturers
- Tools – Nailers
- Collated nails



LOOSE NAILS

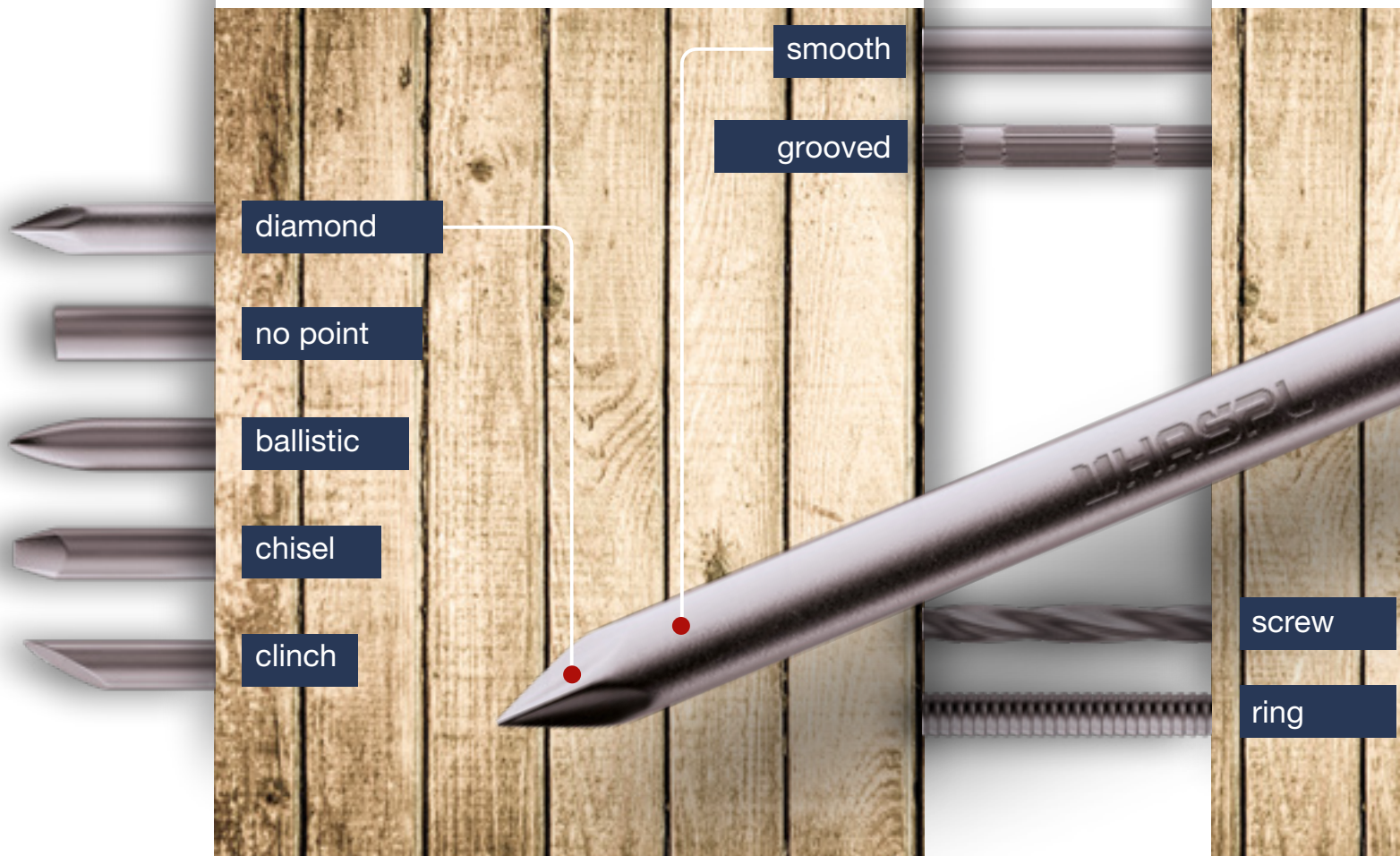


Nail

variety

point

shank



material and surface treatment

head



COMMON NAILS

Application

Civil engineering and handymen, joints of wooden structures, fastening board crating, etc.

FeZn ELECTRO GALVANIZED

Fe BRIGHT

SS STAINLESS STEEL



Art.No.	Size	pcs/kg	kg/package
17185	1,2 x 16	6369	1
17186	1,2 x 20	5102	1
9001	1,2 x 25	4098	1
4285	1,2 x 32	3460	2,5
17190	1,4 x 20	4000	1
17193	1,4 x 25	3215	1
9002	1,4 x 32	2525	1
17204	1,4 x 36	2252	1
17199	1,6 x 32	1855	1
17205	1,6 x 36	1658	1
17209	1,6 x 40	1502	1
9003	1,8 x 40	1217	1
17213	2,0 x 40	939	2,5
17220	2,2 x 50	650	2,5
23138	2,5 x 50	506	1
17222	2,5 x 50	506	2,5
9005	2,5 x 63	404	1
1360	2,5 x 63	404	5
23139	2,8 x 63	318	1
148	2,8 x 63	318	5
23140	2,8 x 70	287	1
154	2,8 x 70	287	5
9007	3,1 x 80	203	1
5161	3,1 x 80	203	5
9032	3,5 x 90	142	5
161	4,0 x 100	98	5
167	4,0 x 120	82	5
161	4,0 x 100	98	5
167	4,0 x 120	82	5

Art.No.	Size	pcs/kg	kg/package
17184	1,2 x 16	6369	1
9013	1,2 x 20	5102	1
9040	1,2 x 25	4098	1
17189	1,4 x 20	4000	1
9212	1,4 x 25	3215	1
9000	1,4 x 32	2525	1
17203	1,4 x 36	2252	1
17198	1,6 x 32	1855	1
14142	1,6 x 36	1658	1
17208	1,6 x 40	1502	1
17200	1,8 x 32	1511	1
17207	1,8 x 36	1348	1
7851	1,8 x 40	1217	1
17211	2,0 x 40	939	2,5
17214	2,2 x 40	807	2,5
17216	2,2 x 45	720	2,5
17218	2,2 x 50	650	2,5
5343	2,5 x 50	506	1
14183	2,5 x 50	506	2,5
197	2,5 x 50	506	5
198	2,5 x 56	453	5
5518	2,5 x 60	423	1
201	2,5 x 60	423	5
17223	2,5 x 63	404	1
208	2,5 x 63	404	5
205	2,8 x 60	333	5
5149	2,8 x 63	318	1
212	2,8 x 63	318	5
5072	2,8 x 70	287	1
227	2,8 x 70	287	5
229	3,1 x 70	231	5
5073	3,1 x 80	203	1
17244	3,1 x 80	203	5
238	3,1 x 90	181	1
5074	3,5 x 90	142	1

Art.No.	Size	pcs/kg	kg/package
240	3,5 x 90	142	5
3845	4,0 x 100	98	1
242	4,0 x 100	98	5
244	4,0 x 110	90	5
3842	4,0 x 120	82	1
245	4,0 x 120	82	5
4608	4,5 x 125	60	5
246	4,5 x 130	58	5
669	4,5 x 140	53	5
11	5,0 x 140	45	5
12	5,0 x 150	42	5
13	5,6 x 160	32	5
671	6,3 x 160	25	5
247	6,3 x 180	23	5
248	6,3 x 200	20	5
249	7,1 x 200	16	5
250	7,1 x 210	15	5
251	7,1 x 220	15	5
4581	7,6 x 230	12	5
4485	7,6 x 240	11	5
4484	7,6 x 250	11	5
5222	7,6 x 260	11	5
4761	7,6 x 280	10	5
5258	8,0 x 300	8	5
5501	8,8 x 300	7	5

Art.No.	Size	pcs/kg	kg/package
21153	2,2 x 32	1009	1
11155	2,5 x 50	511	1
9361	2,8 x 60	347	1
9362	2,8 x 70	298	1
18035	3,1 x 80	211	1
13874	3,1 x 90	187	1



ROOFING NAILS

LARGE HEAD

Application

Mainly to fasten cardboard to bases, bitumen strips or canadian shingles. Advantage of rust resistance (Al, Cu).

FeZN ELECTRO GALVANIZED

Fe BRIGHT

Cu COPPER

Al ALUMINIUM



Art.No.	Size	pcs/kg	kg/package
8012	2,5 x 16	850	1
5245	2,5 x 16	850	2,5
6669	2,5 x 20	752	1
1062	2,5 x 20	752	2,5
6067	2,5 x 25	657	1
1060	2,5 x 25	657	2,5
6068	2,5 x 32	557	1
1041	2,5 x 32	557	2,5
6670	2,5 x 36	513	1
5247	2,5 x 36	513	2,5
14169	2,8 x 32	436	2,5
12084	2,8 x 36	402	2,5
279	2,8 x 40	373	5

Art.No.	Size	pcs/kg	kg/package
5244	2,5 x 16	850	2,5
5844	2,5 x 20	752	1
1061	2,5 x 20	752	2,5
5845	2,5 x 25	657	1
1059	2,5 x 25	657	2,5
10293	2,5 x 32	557	1
1034	2,5 x 32	557	2,5
5246	2,5 x 36	513	2,5
523	2,8 x 36	436	5
527	2,8 x 36	402	5
528	2,8 x 40	373	5

Art.No.	Size	pcs/kg	kg/package
17344	2,5 x 20	1034	5
17404	2,5 x 25	856	5
17348	2,5 x 32	636	5
17353	2,5 x 36	605	5
17346	2,8 x 25	661	5
17350	2,8 x 32	507	5
17405	2,8 x 36	467	5
17355	2,8 x 40	439	5
17352	3,1 x 32	427	5
17356	3,1 x 40	342	5
17359	3,1 x 45	304	5

Art.No.	Size	pcs/kg	kg/package
17345	3,1 x 20	1827	1
17347	3,1 x 25	1777	1
17351	3,1 x 32	1403	1
17354	3,1 x 36	1356	1
17357	3,1 x 40	1300	1

SCREW SHANK

Application

Mainly to fasten cardboard to bases, bitumen strips or canadian shingles.

FeZN ELECTRO GALVANIZED



Art.No.	Size	pcs/kg	kg/package
2483	3,6 x 28	408	5
2389	3,6 x 32	361	5

Art.No.	Size	pcs/kg	kg/package
2484	3,6 x 36	324	5

HOOK NAILS

Application

Fastening hooks of eaves gutters to beams and roofing structures. Advantage of rust resistance.

FeZn ELECTRO GALVANIZED



Art.No.	Size	pcs/kg	kg/package
1429	4,5 x 90	86	5

ALUMINIUM SCREW NAILS

WITH PVC WASHER

Application

Fastening hooks of eaves gutters to beams and roofing structures. Advantage of rust resistance.

Al ALUMINIUM



Art.No.	Size	pcs/kg	kg/package	Art.No.	Size	pcs/kg	kg/package
2164	3,1 x 55 + PVC	840	1	3357	3,1 x 70 + PVC	665	1
2163	3,1 x 63 + PVC	740	1	2540	3,1 x 75 + PVC	620	1

SCREW SHANK NAILS

Application

Mainly for manufacture of pallets and packages, everywhere where higher strength and durability of joint is required.

Fe BRIGHT



Art.No.	Size	pcs/kg	kg/package	Art.No.	Size	pcs/kg	kg/package	Art.No.	Size	pcs/kg	kg/package
1531	2,8/3,0 x 50	406	5	1530	3,1/3,3 x 90	187	5	781	3,6/3,8 x 90	134	5
1958	2,8/3,0 x 60	336	5	*	3,4/3,6 x 70	193	5	782	3,6/3,8 x 100	121	5
1450	2,8/3,0 x 70	293	5	*	3,4/3,6 x 80	171	5	3592	3,6/3,8 x 110	111	5
3316	2,8/3,0 x 80	250	5	*	3,4/3,6 x 90	147	5	3315	3,6/3,8 x 120	98	5
1636	3,1/3,3 x 50	324	5	*	3,6/3,8 x 60	194	5	23081	3,8/4,0 x 130	84	5
980	3,1/3,3 x 60	279	5	20739	3,6/3,8 x 70	170	5	*	4,0/4,2 x 100	98	5
1028	3,1/3,3 x 70	240	5	1213	3,6/3,8 x 80	150	5	*	4,0/4,2 x 120	82	5
1479	3,1/3,3 x 80	211	5								

* Items without ordering numbers can be made to order.

ANCHOR (METAL CONNECTOR) NAILS

Application

To fasten metal connectors to wood. The nail surface is electro-galvanized (zinc plated) to be sufficiently resistant to atmospheric corrosion.

FeZn ELECTRO GALVANIZED



Art.No.	Size	pcs/kg	kg/package	Art.No.	Size	pcs/kg	kg/package	Art.No.	Size	pcs/package
12491	4,0/4,5 x 40	251	1	12287	4,0/4,5 x 60	168	5	13613	4,0/4,5 x 40	250
12285	4,0/4,5 x 40	251	5	8324	4,0/4,5 x 70	144	1	13615	4,0/4,5 x 50	250
13614	4,0/4,5 x 50	201	1	12288	4,0/4,5 x 70	144	5	14617	4,0/4,5 x 60	250
12286	4,0/4,5 x 50	201	5	12289	4,0/4,5 x 80	126	5	9408	4,0/4,5 x 70	250
13616	4,0/4,5 x 60	168	1	14616	4,0/4,5 x 90	112	5			

CONVEX RING NAILS

Application

Mainly for manufacture of pallets and wooden packaging, everywhere where high strength and durability of the joint is required.

Fe BRIGHT



Art.No.	Size	pcs/kg	kg/package	Art.No.	Size	pcs/kg	kg/package
3314	2,8/3,0 x 40	481	5	1588	3,1/3,3 x 70	255	5
1948	2,8/3,0 x 50	386	5	3277	3,1/3,3 x 80	212	5
1988	2,8/3,0 x 60	336	5	2059	3,1/3,3 x 90	183	5
*	2,8/3,0 x 70	287	5	9104	3,6/3,8 x 90	135	5
*	3,1/3,3 x 40	408	5	*	4,0/4,2 x 100	98	5
2237	3,1/3,3 x 50	328	5	*	4,0/4,2 x 120	82	5
*	3,1/3,3 x 60	272	5				



* Items without article numbers can be made to order.

LOST HEAD NAILS

Application

To fix wooden flooring boards and finishing flooring and decorative strips.



FeZn ELECTRO GALVANIZED

Fe BRIGHT

SS STAINLESS STEEL

MS BRASS

Art.No.	Size	pcs/kg	kg/package
17128	1,2 x 16	7457	1
17132	1,2 x 20	5659	1
13598	1,2 x 25	4244	1
17135	1,4 x 20	3807	1
17140	1,4 x 25	3282	1
9183	1,4 x 32	2550	1
17147	1,4 x 36	2389	1
17144	1,6 x 32	2017	1
17150	1,6 x 36	1758	1
17153	1,6 x 40	1593	1
6671	1,8 x 40	1201	1
19514	1,8 x 45	1073	1
19045	1,8 x 50	973	1
6672	2,0 x 50	791	1
19046	2,2 x 50	669	1
21005	2,5 x 50	541	1
6673	2,5 x 60	432	1
20220	2,8 x 63	331	1
18937	2,8 x 70	272	1
18936	3,1 x 80	218	1

Art.No.	Size	pcs/kg	kg/package
17127	1,2 x 16	7457	1
17129	1,2 x 20	5659	1
9008	1,2 x 25	4244	1
17133	1,4 x 20	3807	1
17136	1,4 x 25	3282	1
9009	1,4 x 32	2550	1
17146	1,4 x 36	2389	1
17143	1,6 x 32	2017	1
17148	1,6 x 36	1758	1
17152	1,6 x 40	1593	1
17154	1,8 x 40	1201	1
19513	1,8 x 45	1073	1
19044	1,8 x 50	973	1
18543	2,0 x 50	791	1
18935	2,2 x 50	669	1
18544	2,5 x 50	541	1
19047	2,5 x 60	432	1
20219	2,8 x 63	331	1
19332	2,8 x 70	272	1
21916	3,1 x 80	218	1

Art.No.	Size	pcs/kg	kg/package
10505	1,6 x 30	2247	1
10506	1,6 x 35	1912	1
10507	1,6 x 40	1661	1
10080	1,8 x 40	1318	1
10079	1,8 x 50	1044	1
9360	2,8 x 60	363	1

Art.No.	Size	pcs/kg	kg/package
17279	1,2 x 20	4370	1
17280	1,4 x 20	2850	1
17281	1,4 x 25	2394	1
17284	1,4 x 32	1870	1
17282	1,6 x 25	1995	1
17285	1,8 x 32	1282	1
17286	2,0 x 40	750	1
17287	2,7 x 50	342	1

ROUND HEAD NAILS

Application

For wood-wood and decorative connections. Brass offers consistent and good corrosion prevention. The golden yellow colour of brass is ideal for visible and decorative connections.



MS BRASS

Art.No.	Size	pcs/kg	kg/package
17270	1,2 x 16	6313	1
17271	1,2 x 20	5294	1
17274	1,4 x 25	2238	1

Art.No.	Size	pcs/kg	kg/package
17276	1,4 x 32	2355	1
17273	1,6 x 20	2720	1
17275	1,6 x 25	2264	1

Art.No.	Size	pcs/kg	kg/package
17277	1,8 x 32	1253	1
17278	2,0 x 40	836	1

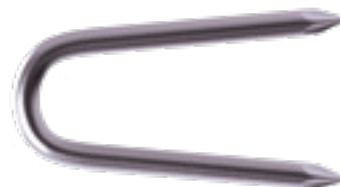
STAPLES

Application

Fastening netting to wooden bases.

Art.No.	Size	pcs/kg	kg/package
6022	1,6 x 16	2500	5
529	2,0 x 20	1053	5
532	2,2 x 25	735	5
3666	3,1 x 32	299	5
2166	3,3 x 40	197	5

Fe BRIGHT



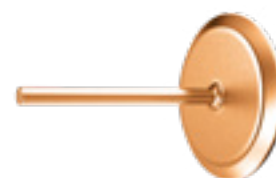
DISC RIVETS

Application

Fastening transite profile forms. Advantage od rust resistance.

FeZN ELECTRO GALVANIZED

Cu COPPER



Art.No.	Size	pcs/kg	kg/package
2157	2,0/25	1000	2,5
4522	2,0/29 EXTRA-CAPACCO	500	2,5

Art.No.	Size	pcs/kg	kg/package
2178	1,85/25	1000	5
6798	20/20 disc	1000	5
14103	2,12/25 super	1000	5
2156	2,12/29 EXTRA-CAPACCO	500	5

UPHOLSTERING NAILS

Application

Manufacture of wooden furniture, fastening textile upholstery of seat frames, and armchair, couch and chair backs.

FeZN ELECTRO GALVANIZED

Fe BRIGHT



Art.No.	Size	pcs/kg	kg/package
18071	1,4 x 10	6944	1
18073	1,4 x 12	5952	1
20772	1,4 x 14	5181	1

Art.No.	Size	pcs/kg	kg/package
19043	1,6 x 16	3497	1
9010	1,6 x 20	2865	1
20247	1,8 x 20	2242	1
9011	1,8 x 25	1832	1
18074	2,0 x 25	1351	1

Art.No.	Size	pcs/kg	kg/package
18629	1,4 x 10	6944	1
18072	1,4 x 12	5952	1
18938	1,4 x 14	5181	1
18630	1,6 x 16	3497	1
18631	1,6 x 20	2865	1
6912	1,8 x 20	2242	1
18632	1,8 x 25	1832	1
18633	2,0 x 25	1351	1

HARDENED STEEL NAILS

1 WASHER

Application

Fixing metal clips, strips, etc. On concrete and steel underground.

Art.No.	Size	pcs/package	Art.No.	Size	pcs/package
9893	3,8 x 27	100	9899	3,8 x 57	100
9894	3,8 x 32	100	9900	3,8 x 62	100
9895	3,8 x 37	100	9901	3,8 x 68	100
9896	3,8 x 42	100	9902	3,8 x 72	100
9897	3,8 x 47	100	9903	3,8 x 78	100
9898	3,8 x 52	100	9904	3,8 x 82	100

FeZn ELECTRO GALVANIZED



GROOVED SHANK

Application

Fixing metal clips, strips, etc. On concrete and steel underground. Grooves strengthen the joint.

Art.No.	Size	pcs/package	Art.No.	Size	pcs/package
17249	2,7 x 25	250	5117	3,5 x 55	250
17250	2,7 x 30	250	4249	3,5 x 60	250
17251	2,7 x 35	250	17255	3,5 x 65	250
17252	2,7 x 40	250	4250	3,5 x 70	250
17253	3,5 x 45	250	17254	4,5 x 60	250
4248	3,5 x 50	250			

FeZn ELECTRO GALVANIZED



ROUND HEAD

Application

Fixing metal clips, strips, etc. On concrete and steel underground.

Art.No.	Size	pcs/package	Art.No.	Size	pcs/package
17256	2,0 x 16	100	17259	2,0 x 30	100
17257	2,0 x 20	100	17260	2,0 x 35	100
17258	2,0 x 25	100	17261	2,0 x 40	100

Fe BRIGHT



LOST HEAD

Application

Fastening wooden flooring boards and finishing flooring and decorating strips.

Art.No.	Size	pcs/package	Art.No.	Size	pcs/package
17263	1,5 x 20	100	17266	1,5 x 35	100
17264	1,5 x 25	100	17268	1,5 x 40	100
17265	1,5 x 30	100	17269	1,5 x 45	100

FeZn ELECTRO GALVANIZED





EPAL CERTIFIED NAILS

On the base of fulfilment of requested conditions Hašpl a.s. was provided with the certificate by European pallet Association (EPAL) for the manufacture of nails to apply in the production of wooden EUR pallets.

This certificate is necessary for the companies approved by EPAL that are engaged in the production, repair and sales od EUR pallets with EPAL sign.



EPAL certified nails			
Type	Size	Head Mark	pcs/kg
HW - Ring nails	2,8/3,0 x 40	HW	498
HG - Ring nails	3,3/3,9 x 70	HG	204
HJ - Ring nails	3,3/3,9 x 90	HJ	160
HU - Ring nails	3,4/4,0 x 70	HU	196
HT - Ring nails	3,4/4,0 x 90	HT	151
HP - Ring nails	3,6/4,2 x 70	HP	171
HO - Ring nails	3,6/4,2 x 90	HO	136
HQ - Smooth nails	2,8 x 55	HQ	369
HR - Smooth nails clinch point	2,8 x 53	HR	372

The nails are certified for all kinds of wood.

The number of pieces in a pack is informative only.

OTHER MACHINE QUALITY NAILS

Application

Nailing with hand-operated pneumatic nailers and/or nailing machines (manufacture of pallets, wooden packages, fencing etc.).

Fe BRIGHT

Diameter	Length	Smooth	Ring	Screw
2,1	25-50	✓	✓	
2,3	50-55	✓	✓	
2,5	40-70	✓	✓	✓
2,8	70-80	✓	✓	✓
3,1	80-90	✓	✓	✓

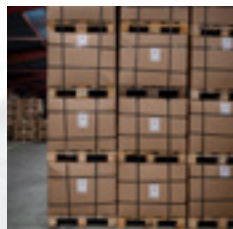
5 kg



25 kg



500 - 1000 kg



CE

PNEUMATIC NAILERS FOR WIRE COIL NAILS

nail range (mm)		head diameter (mm)
standard line	advanced line	
Art.No.		

\varnothing 2,1 - 2,3 x 25 - 57	\varnothing 5,0 - 5,7
RGN CN57	TJEP CN-57
10932	22738

\varnothing 2,1 - 2,5 x 32 - 55	\varnothing 5,0 - 6,0
RGN CN55	CNWP 28-65C
10972	13208

\varnothing 2,3 - 2,5 x 32 - 65	\varnothing 5,0 - 6,0
RGN CN565B	-
10933	



\varnothing 2,3 - 2,9 x 45 - 70	\varnothing 5,0 - 7,0
RGN CN70	TJEP CN-70
10974	22739

\varnothing 2,5 - 3,3 x 50 - 83	\varnothing 6,0 - 8,0
RGN CN80	TJEP CN-80
10975	22740

\varnothing 3,1 - 3,8 x 75 - 130	\varnothing 7,5 - 8,6
CNW 38-130P	TJEP CN-130
11163	23352



\varnothing 2,5 - 3,3 x 65 - 100	\varnothing 6,5 - 7,5
RGN CN100	-
10930	

\varnothing 2,8 - 3,3 x 50 - 90		\varnothing 6,0 - 8,0
RGN CN90B	RGN CN90	TJEP CN-90
12692	10931	22741

\varnothing 3,4 x 70 - 90	\varnothing 8,6
RGN CN100 EPAL	-
21035	



16° WIRE FLAT COIL NAILS

SMOOTH

Art.No.	Size	pcs/box
4142	2,1 x 40	12600
5883	2,1 x 50	10500
10351	2,3 x 50	10500
3672	2,5 x 50	9000
3731	2,5 x 60	7200
3746	2,8 x 70	6000
4145	2,8 x 80	4500
4809	3,1 x 90	3600
5097	3,1 x 100	3600
22889	3,4 x 110	2160
22246	3,8 x 100	1800
7791	3,8 x 110	1800

Art.No.	Size	pcs/box
6120	2,8 x 70	6000
17378	2,8 x 80	4500

SCREW

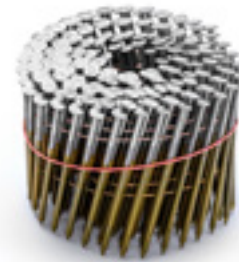
Art.No.	Size	pcs/box
7789	2,5 x 50	9000
5706	2,5 x 60	7200
7790	2,5 x 65	7200
5665	2,5 x 70	7200
3775	2,5 x 75	5400
5106	2,8 x 60	6000
3730	2,8 x 70	6000
3717	2,8 x 75	4500
3734	2,8 x 80	4500
6621	2,8 x 85	4500
3682	2,8 x 90	4500
7909	3,1 x 80	3600
4807	3,1 x 90	3600
13140	3,1 x 100	3600

RING

Art.No.	Size	pcs/box
4214	2,1 x 25	18900
4215	2,1 x 27	16800
5876	2,1 x 28	16800
3740	2,1 x 30	16800
3683	2,1 x 32	16800
3739	2,1 x 35	14700
3679	2,1 x 38	14700
3867	2,1 x 40	12600
10784	2,3 x 40	12600
10214	2,3 x 50	10500
22958	2,3 x 60	8400
6058	2,5 x 30	14400
4406	2,5 x 40	10800
4356	2,5 x 45	10800
3923	2,5 x 50	9000
3822	2,5 x 55	9000
3738	2,5 x 60	7200
3719	2,5 x 65	7200
3675	2,5 x 70	7200
3924	2,5 x 75	5400
3699	2,8 x 40 EPAL	8100
4777	2,8 x 40	9000
4930	2,8 x 60	6000
7904	2,8 x 65	6000
3674	2,8 x 70	6000
3934	2,8 x 75	4500
3737	2,8 x 80	4500
4124	2,8 x 90	4500
4472	3,1 x 80	3600
3681	3,1 x 90	3600
5014	3,1 x 100	3600
20748	3,3 x 70 EPAL	4320
20747	3,3 x 90 EPAL	3240
8997	3,4 x 120	1800
7724	3,8 x 120	1800
3746	2,8 x 70	6000
4145	2,8 x 80	4500
4809	3,1 x 90	3600
5097	3,1 x 100	3600
22889	3,4 x 110	2160
22246	3,8 x 100	1800
7791	3,8 x 110	1800

Fe BRIGHT

FeZn ELECTRO GALVANIZED



small coil



jumbo coil



hi-load



16° WIRE CONICAL COIL NAILS

SMOOTH, RING, SCREW

Smooth	Ring	Screw	pcs/box
2,1 x 25	2,1 x 25	-	16 800
2,1 x 27	2,1 x 27	-	14 700
2,1 x 30	2,1 x 30	2,1 x 30	14 700
2,1 x 32	2,1 x 32	2,1 x 32	14 700
2,1 x 35	2,1 x 35	2,1 x 35	12 600
2,1 x 38	2,1 x 38	2,1 x 38	12 600
2,1 x 40	2,1 x 40	2,1 x 40	12 600
2,1 x 42	2,1 x 42	2,1 x 42	12 600
2,1 x 45	2,1 x 45	2,1 x 45	10 500
2,1 x 50	2,1 x 50	2,1 x 50	8 400

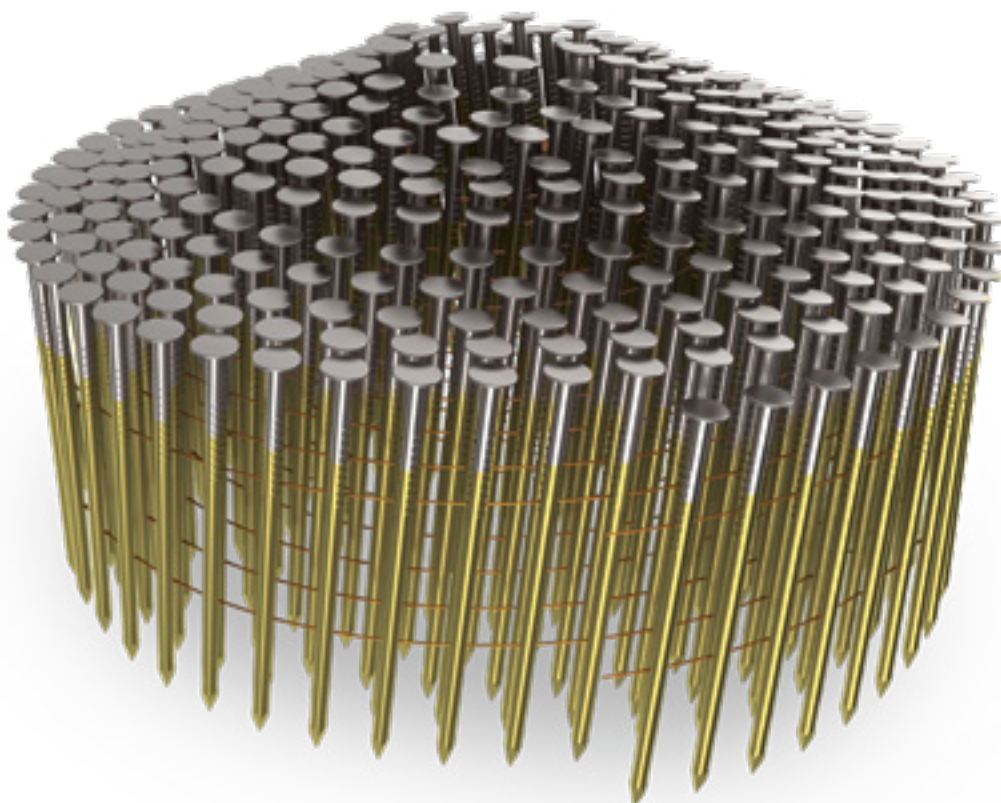
- Fe BRIGHT
- FeZn ELECTRO GALVANIZED 12μm
- SS STAINLESS STEEL



RGN CN 45



CNWP 25-50P



CE

16° WIRE ROOFING COIL NAILS

SMOOTH

Art.No.	Art.No.	Size	pcs/box
10394	*	3,05 x 19	7 200
10940	*	3,05 x 22	7 200
9842	*	3,05 x 25	7 200
10941	*	3,05 x 32	7 200
*	*	3,05 x 38	7 200
*	*	3,05 x 45	7 200

FeZn ELECTRO GALVANIZED

FeZn HOT DIPPED GALVANIZED

* Items without article numbers can be made to order.



RING

Art.No.	Art.No.	Size	pcs/box
9326	9739	3,05 x 19	7 200
9403	9740	3,05 x 22	7 200
9327	9659	3,05 x 25	7 200
9738	9658	3,05 x 32	7 200
9995	9884	3,05 x 38	7 200
*	*	3,05 x 45	7 200

FeZn ELECTRO GALVANIZED

FeZn HOT DIPPED GALVANIZED

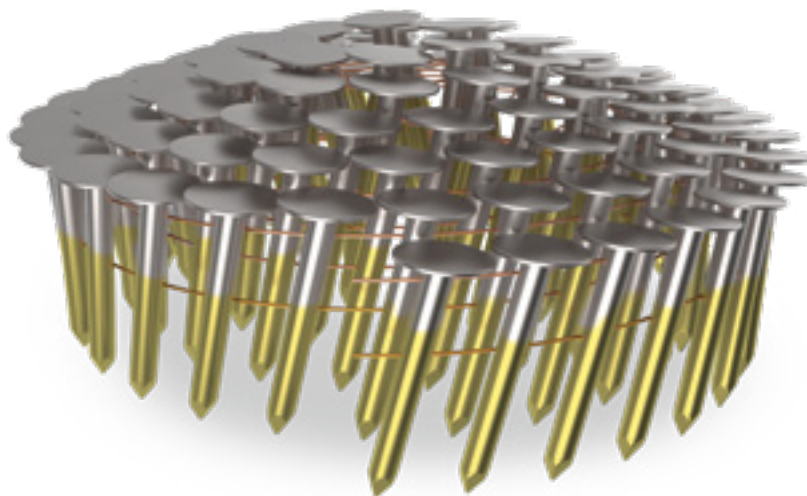
* Items without article numbers can be made to order.



RGN CRN 45A



CNW 31-45C



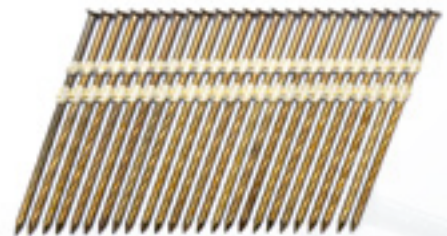
20° PLASTIC STRIP NAILS

SMOOTH, RING, SCREW

	Size	Smooth	Ring	Screw	pcs/box
RGN SRN9021 TJEP FH-21/90 LW	2,8 x 50	✓	✓	✓	3 000
	2,8 x 60	✓	✓	✓	3 000
	2,8 x 70	✓	✓	✓	3 000
	2,8 x 75	-	✓	-	3 000
	2,8 x 80	✓	✓	✓	3 000
	3,1 x 70	✓	✓	✓	3 000
	3,1 x 80	✓	✓	✓	3 000
	3,1 x 90	✓	✓	✓	3 000
	3,4 x 90	✓	✓	✓	1 500
	TJEP FH-130	3,1 x 100	✓	✓	✓
3,4 x 100		✓	✓	✓	1 500
3,8 x 100		✓	✓	✓	1 500
3,8 x 110		✓	✓	✓	1 500
3,8 x 120		✓	✓	✓	1 500
3,8 x 130		✓	✓	✓	1 500
4,2 x 120		✓	✓	✓	1 500
4,2 x 130		✓	✓	✓	1 500
TJEP FH-160	4,2 x 145	✓	✓	✓	660
	4,2 x 150	✓	✓	✓	660
	4,2 x 160	✓	✓	✓	660
	4,6 x 145	✓	✓	✓	660
	4,6 x 160	✓	✓	✓	660

Fe BRIGHT

FeZn ELECTRO GALVANIZED 12μm



RGN SRN9021



TJEP FH-21/90 LW



TJEP FH-130



TJEP FH-160



34° PLASTIC STRIP NAILS

LENS HEAD

Size	pcs/box
2,8 x 50	2 000
2,8 x 60	2 000
2,8 x 70	2 000
2,8 x 80	2 000

SS STAINLESS STEEL 



0° COLLATED BRAD NAILS

Application

Mainly wood construction, roofing structures, cladding, battening, boarding.

FeZn ELECTRO GALVANIZED 5 μ m



type MB (18GA)

Art.No.	Length (mm)	pcs/box
17369	15	5 000
17370	20	5 000
17371	25	5 000
17372	30	5 000
17373	35	5 000
17374	40	5 000
17375	50	5 000

ϕ 1,2 x 15 - 50
TJEP TF-18/50 GAS 3G

Framing fuel cell
78mm/18g/30ml - yellow ring



type B (16GA)

Art.No.	Length (mm)	pcs/box
17363	25	2 500
17364	32	2 500
17365	35	2 500
17366	38	2 500
17367	50	2 500
17368	63	2 500

ϕ 1,6 x 18 - 64
TJEP TF-16/64 GAS 3G

Framing fuel cell
78mm/18g/30ml - yellow ring



25° PLASTIC STRIP ANCHOR (METAL CONNECTOR) NAILS

RING

Art.No.	Size	pcs/box
21246	4,0 x 40	1 000
21183	4,0 x 50	1 000
19985	4,0 x 60	1 000

FeZn ELECTRO GALVANIZED 12 μ m



ø 4,0 x 40 - 60°
SN22-60MC

ø 4,0 x 40 - 50
PN22-50MC



Max. 50 mm to glued wood.



34° PLASTIC STRIP ANCHOR (METAL CONNECTOR) NAILS

RING

Art.No.	Size	pcs/box
14014	4,0 x 40	2 000
12579	4,0 x 50	1 000

FeZn ELECTRO GALVANIZED 12 μ m

SS STAINLESS STEEL
Can be made to order.



do 50 mm
TJEP KA 1

do 60 mm
TJEP KA 2

ø 4,0 x 40 - 60
TJEP KA 40-60 GAS 3G

Framing fuel cell
165mm/40g/80ml - red ring



15° PLASTIC COIL NAILS

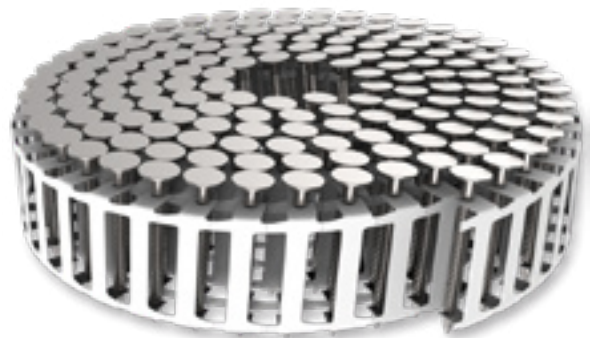
RING

Art.No.	Size	pcs/box
10424	2,5 x 25	10 800
10425	2,5 x 35	8 400

SS STAINLESS STEEL



TJEP PC-50 HAFTEN

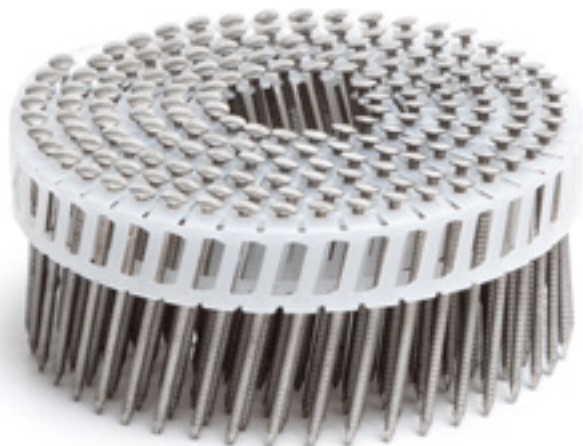


Diameter	Length	Screw
2,1	25-65	✓
2,3	25-65	✓
2,5	25-65	✓
2,6	25-65	✓
2,8	25-65	✓

FeZn ELECTRO GALVANIZED

FeZn HOT DIPPED GALVANIZED

SS STAINLESS STEEL



ø 2,1 - 2,5 x 32 - 65

TJEP PC 65

ø 2,1 - 2,5 x 25 - 65

RGN CN565B

ø 1,6 - 2,5 x 25 - 50

TJEP MX-50

ø 2,2 - 2,5 x 25 - 50

RGN CN50G



15° PLASTIC COIL ANCHOR (METAL CONNECTOR) NAILS

RING

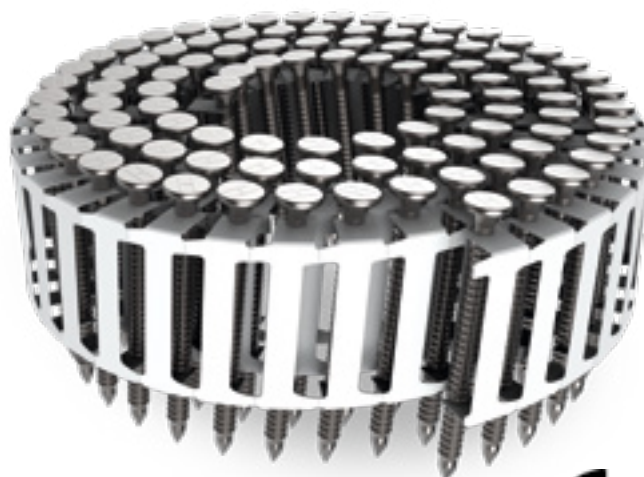
Art.No.	Size	pcs/box
*	4,0 x 40	4 200
22334	4,0 x 50	3 600
22297	4,0 x 60	3 000

FeZn ELECTRO GALVANIZED 12 μ m

* Items without article numbers can be made to order.



TJEP BC-60



34° PAPER STRIP ANCHOR (METAL CONNECTOR) NAILS

RING

Application

Mainly roofing structures, civil engineering.

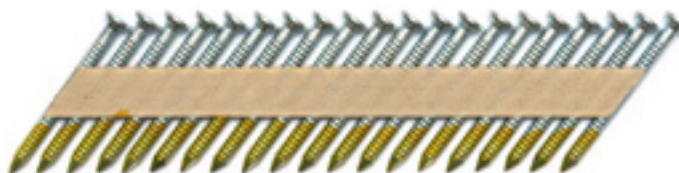
Art.No.	Size	pcs/box
9649	4,0 x 40	1 400
10676	4,0 x 50	1 000
12433	4,0 x 60	1 000

FeZn ELECTRO GALVANIZED 12 μ m



TJEP KA 4060 GAS 3G

Framing fuel cell
165mm/40g/80ml - red ring



34° PAPER STRIP D-HEAD NAILS

Application

Mainly civil engineering, roofing structures, flooring, fencing.

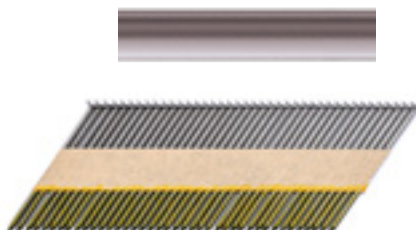
Fe BRIGHT

FeZn ELECTRO GALVANIZED 12 μ m

* Items without article numbers can be made to order.

SMOOTH

Art.No.	Art.No.	Size	pcs/box
10365	*	2,8 x 50	2 000
10468	12894	2,8 x 63	2 000
10375	*	2,8 x 70	2 000
22904	*	2,8 x 75	2 000
13618	*	2,8 x 80	2 000
9370	18034	3,1 x 80	2 000
10448	10124	3,1 x 90	2 000
23693	*	3,4 x 100	1 600



ø 2,8 - 3,1 x 50 - 90

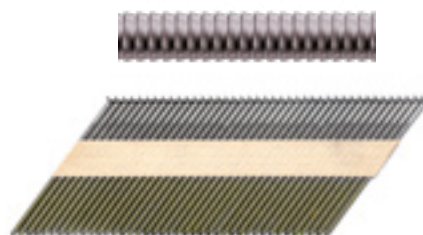
TJEP GRF 34/90 GAS 3G

Framing fuel cell
165mm/43g/80ml - red ring



RING

Art.No.	Art.No.	Size	pcs/box
9654	9843	2,8 x 50	2 000
10515	11689	2,8 x 63	2 000
10223	10360	2,8 x 70	2 000
10857	10466	2,8 x 75	2 000
17595	9544	2,8 x 80	2 000
10514	*	3,1 x 80	2 000
9542	9543	3,1 x 90	2 000
23694	*	3,1 x 98	2 800



ø 2,8 - 3,4 x 50 - 100

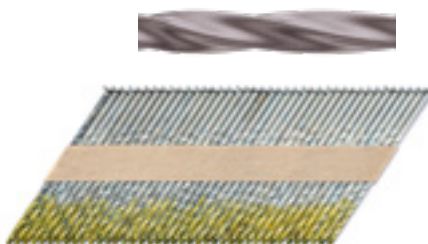
TJEP GRF 34/100 EXCELLENT GAS

Framing fuel cell
165mm/43g/80ml - purple ring



SCREW

Art.No.	Size	pcs/box
14322	3,1 x 90	2 000



ø 2,8 - 3,4 x 50 - 90

TJEP GRF 34/90 LW



ø 2,8 - 3,4 x 50 - 100

TJEP GRF 34/105



ø 2,8 - 3,4 x 50 - 100

RGN PSN10034





FASTENERS

- Screws
- Bolts
- Threaded Rods
- Washers
- Nuts
- Turnbuckles
- Blind rivets



CONSTRUCTION SCREWS

COUNTERSUNK HEAD

Application

For wood constructions, pergolas, wood bridges, roofing constructions. Construction screws are applied wherever the wood-based construction is.

Made of refined steel, they have better mechanical properties than common fasteners. Fast application without pre-drilling is a matter of course.



FeZn | yellow galvanized

Art. No.	Size	Bit	pcs/box
11598	3,0x30	TX10	1000
11599	3,0x35	TX10	1000
9566	3,0x40	TX10	1000
9567	3,0x45	TX10	500
21101	3,5x20	TX15	1000
21102	3,5x25	TX15	1000
11601	3,5x30	TX15	1000
10005	3,5x35	TX15	1000
11602	3,5x40	TX15	1000
21103	3,5x45	TX15	1000
11603	3,5x50	TX15	1000
8678	4,0x30	TX20	500
22894	4,0x35	TX20	500
7272	4,0x40	TX20	500
7223	4,0x45	TX20	500
8650	4,0x50	TX20	500
7713	4,0x60	TX20	200
7273	4,0x70	TX20	200
22674	4,0x80	TX20	200
6920	4,5x40	TX25	500
7816	4,5x45	TX25	500
7955	4,5x50	TX25	500
7329	4,5x60	TX25	200
7271	4,5x70	TX25	200
7330	4,5x80	TX25	200
11809	5,0x40	TX25	500
6875	5,0x50	TX25	200
7903	5,0x60	TX25	200
7879	5,0x70	TX25	200
7942	5,0x80	TX25	200
7331	5,0x90	TX25	200
7237	5,0x100	TX25	200
7238	5,0x120	TX25	200
10007	6,0x50	TX30	200
6943	6,0x60	TX30	200
7119	6,0x70	TX30	200
7120	6,0x80	TX30	100
7121	6,0x90	TX30	100
6916	6,0x100	TX30	100
7122	6,0x120	TX30	100
7123	6,0x140	TX30	100
6934	6,0x160	TX30	100

FeZn | white galvanized

Art. No.	Size	Bit	pcs/box
22311	3,0x30	TX10	1000
22314	3,0x35	TX10	1000
22316	3,0x40	TX10	1000
22323	3,0x45	TX10	500
22312	3,5x30	TX15	1000
22315	3,5x35	TX15	1000
22317	3,5x40	TX15	1000
22327	3,5x50	TX15	1000
22313	4,0x30	TX20	500
22318	4,0x40	TX20	500
22325	4,0x45	TX20	500
22328	4,0x50	TX20	500
22335	4,0x60	TX20	200
22342	4,0x70	TX20	200
22319	4,5x40	TX25	500
22326	4,5x45	TX25	500
22329	4,5x50	TX25	500
22336	4,5x60	TX25	200
22343	4,5x70	TX25	200
22348	4,5x80	TX25	200
22321	5,0x40	TX25	500
22330	5,0x50	TX25	200
22338	5,0x60	TX25	200
22345	5,0x70	TX25	200
22350	5,0x80	TX25	200
22358	5,0x90	TX25	200
22361	5,0x100	TX25	200
22369	5,0x120	TX25	200
22333	6,0x50	TX30	200
22340	6,0x60	TX30	200
22347	6,0x70	TX30	200
22351	6,0x80	TX30	100
22359	6,0x90	TX30	100
22363	6,0x100	TX30	100
22371	6,0x120	TX30	100
22378	6,0x140	TX30	100
22384	6,0x160	TX30	100
22390	6,0x180	TX30	100
22396	6,0x200	TX30	100
22354	8,0x80	TX40	50

Art. No.	Size	Bit	pcs/box
22365	8,0x100	TX40	50
22373	8,0x120	TX40	50
22380	8,0x140	TX40	50
22386	8,0x160	TX40	50
22392	8,0x180	TX40	50
22398	8,0x200	TX40	50
22402	8,0x220	TX40	50
22408	8,0x240	TX40	50
22412	8,0x260	TX40	50
22416	8,0x280	TX40	50
22420	8,0x300	TX40	50
22424	8,0x320	TX40	50
22428	8,0x340	TX40	50
22432	8,0x360	TX40	50
22436	8,0x380	TX40	50
22440	8,0x400	TX40	50
22356	10,0x80	TX40	50
22367	10,0x100	TX40	50
22375	10,0x120	TX40	50
22382	10,0x140	TX40	50
22388	10,0x160	TX40	50
22394	10,0x180	TX40	50
22400	10,0x200	TX40	50
22404	10,0x220	TX40	50
22410	10,0x240	TX40	50
22414	10,0x260	TX40	50
22418	10,0x280	TX40	50
22422	10,0x300	TX40	25
22426	10,0x320	TX40	25
22430	10,0x340	TX40	25
22434	10,0x360	TX40	25



CONSTRUCTION SCREWS

WAFER HEAD

Application

For wood constructions, pergolas, wood bridges, roofing constructions. Construction screws are applied wherever the wood-based construction is.

Made of refined steel, they have better mechanical properties than common fasteners. Fast application without pre-drilling is a matter of course.



FeZn | yellow galvanized

Art. No.	Size	Bit	pcs/box
19333	5,0x40	TX25	200
19334	5,0x50	TX25	200
19335	5,0x60	TX25	200
19336	5,0x70	TX25	200
19337	5,0x80	TX25	100
19338	5,0x90	TX25	100
19339	5,0x100	TX25	100
19340	5,0x120	TX25	100
19341	5,0x140	TX25	100
10992	6,0x40	TX30	200
9769	6,0x50	TX30	100
7110	6,0x60	TX30	200
7111	6,0x70	TX30	200
7112	6,0x80	TX30	100
7113	6,0x100	TX30	100
7114	6,0x120	TX30	100
7115	6,0x140	TX30	100
7116	6,0x160	TX30	100
7117	6,0x180	TX30	100
7118	6,0x200	TX30	100
22680	6,0x220	TX30	100
22681	6,0x240	TX30	100
22682	6,0x260	TX30	100
22683	6,0x280	TX30	100
22684	6,0x300	TX30	100
10344	8,0x60	TX40	100
6847	8,0x80	TX40	50
6805	8,0x100	TX40	50
6806	8,0x120	TX40	50
6818	8,0x140	TX40	50

Art. No.	Size	Bit	pcs/box
6807	8,0x160	TX40	50
6808	8,0x180	TX40	50
6809	8,0x200	TX40	50
6810	8,0x220	TX40	50
6811	8,0x240	TX40	50
6918	8,0x260	TX40	50
6917	8,0x280	TX40	50
6871	8,0x300	TX40	50
7126	8,0x320	TX40	50
6911	8,0x340	TX40	50
7913	8,0x360	TX40	50
7127	8,0x380	TX40	50
7128	8,0x400	TX40	50
7138	10,0x80	TX40	50
7139	10,0x100	TX40	50
7140	10,0x120	TX40	50
7141	10,0x140	TX40	50
6873	10,0x160	TX40	50
7142	10,0x180	TX40	50
7143	10,0x200	TX40	50
7144	10,0x220	TX40	50
6869	10,0x240	TX40	50
6902	10,0x260	TX40	50
6870	10,0x280	TX40	50
7145	10,0x300	TX40	25
7146	10,0x320	TX40	25
7147	10,0x340	TX40	25
7148	10,0x360	TX40	25
7149	10,0x380	TX40	25
7150	10,0x400	TX40	25

FeZn | white galvanized

Art. No.	Size	Bit	pcs/box
22320	5,0x40	TX25	200
22331	5,0x50	TX25	200
22337	5,0x60	TX25	200
22344	5,0x70	TX25	200
22349	5,0x80	TX25	100
22357	5,0x90	TX25	100
22360	5,0x100	TX25	100
22368	5,0x120	TX25	100
22376	5,0x140	TX25	100
22322	6,0x40	TX30	200
22332	6,0x50	TX30	100
22339	6,0x60	TX30	200
22346	6,0x70	TX30	200
22352	6,0x80	TX30	100
22362	6,0x100	TX30	100
22370	6,0x120	TX30	100
22377	6,0x140	TX30	100
22383	6,0x160	TX30	100
22389	6,0x180	TX30	100
22395	6,0x200	TX30	100
7212	6,0x220	TX30	100
22341	8,0x60	TX40	100
22353	8,0x80	TX40	50
22364	8,0x100	TX40	50
22372	8,0x120	TX40	50
22379	8,0x140	TX40	50
22385	8,0x160	TX40	50
22391	8,0x180	TX40	50
22397	8,0x200	TX40	50
22401	8,0x220	TX40	50

Art. No.	Size	Bit	pcs/box
22407	8,0x240	TX40	50
22411	8,0x260	TX40	50
22415	8,0x280	TX40	50
22419	8,0x300	TX40	50
22423	8,0x320	TX40	50
22427	8,0x340	TX40	50
22431	8,0x360	TX40	50
22435	8,0x380	TX40	50
22439	8,0x400	TX40	50
22355	10,0x80	TX40	50
22366	10,0x100	TX40	50
22374	10,0x120	TX40	50
22381	10,0x140	TX40	50
22387	10,0x160	TX40	50
22393	10,0x180	TX40	50
22399	10,0x200	TX40	50
22403	10,0x220	TX40	50
22409	10,0x240	TX40	50
22413	10,0x260	TX40	50
22417	10,0x280	TX40	50
22421	10,0x300	TX40	25
22425	10,0x320	TX40	25
22429	10,0x340	TX40	25
22433	10,0x360	TX40	25



CHIPBOARD SCREWS

COUNTERSUNK HEAD, FULL THREAD

Application

Widely applied in all branches, by both professionals and DIY guys, into natural wood, chipboard, plastic materials, wall plugs, etc. Chipboard screws are made of highstrength and durable materials and they are yellow or silver galvanized.



FeZn | yellow galvanized

Art. No.	Size	Bit	pcs/box	Art. No.	Size	Bit	pcs/box
7409	2,5x10	PZ1	2000	7190	4,0x45	PZ2	500
7410	2,5x12	PZ1	2000	7189	4,0x50	PZ2	500
7411	2,5x16	PZ1	2000	10773	4,0x60	PZ2	400
7412	2,5x20	PZ1	2000	10729	4,0x70	PZ2	250
7413	2,5x25	PZ1	2000	7188	4,5x16	PZ2	500
10148	2,5x30	PZ1	1000	7187	4,5x20	PZ2	500
7100	3,0x10	PZ1	2000	7186	4,2x25	PZ2	500
7099	3,0x12	PZ1	2000	7185	4,5x30	PZ2	500
7172	3,0x16	PZ1	2000	7184	4,5x35	PZ2	500
7261	3,0x20	PZ1	2000	7183	4,5x40	PZ2	500
11448	3,0x25	PZ1	1000	7182	4,5x45	PZ2	500
7263	3,0x30	PZ1	1000	10725	4,5x50	PZ2	250
7278	3,0x35	PZ1	1000	10797	4,5x60	PZ2	250
7304	3,0x40	PZ1	1000	10989	4,5x70	PZ2	250
6817	3,0x45	PZ1	1000	11097	4,5x80	PZ2	200
10752	3,0x50	PZ1	500	9876	4,5x90	PZ2	100
12507	3,5x10	PZ2	2000	7259	5,0x20	PZ2	500
11026	3,5x12	PZ2	2000	7258	5,0x25	PZ2	500
7264	3,5x16	PZ2	2000	7257	5,0x30	PZ2	500
7265	3,5x20	PZ2	2000	7256	5,0x35	PZ2	500
7266	3,5x25	PZ2	1000	7255	5,0x40	PZ2	500
7267	3,5x30	PZ2	1000	10899	5,0x45	PZ2	400
7268	3,5x35	PZ2	1000	7253	5,0x50	PZ2	250
7269	3,5x40	PZ2	1000	7252	5,0x60	PZ2	250
7270	3,5x45	PZ2	500	7171	5,0x70	PZ2	200
7305	3,5x50	PZ2	500	21164	6,0x30	PZ3	250
7282	4,0x12	PZ2	2000	7303	6,0x40	PZ3	250
7174	4,0x16	PZ2	1000	10898	6,0x45	PZ3	250
12626	4,0x18	PZ2	1000	7168	6,0x50	PZ3	250
7175	4,0x20	PZ2	1000	7167	6,0x60	PZ3	200
7176	4,0x25	PZ2	1000	10753	6,0x70	PZ3	200
6800	4,0x30	PZ2	1000	11095	6,0x80	PZ3	150
10901	4,0x35	PZ2	500				
10796	4,0x40	PZ2	500				

CHIPBOARD SCREWS

COUNTERSUNK HEAD, PARTIAL THREAD

Application

Widely applied in all branches, by both professionals and DIY guys, into natural wood, chipboard, plastic materials, wall plugs, etc. Chipboard screws are made of highstrength and durable materials and they are yellow or silver galvanized.



FeZn | yellow galvanized

Art. No.	Size	Bit	pcs/box	Art. No.	Size	Bit	pcs/box
8799	3,0x30/18	PZ1	1000	10727	6,0x50/30	PZ3	250
10338	3,0x40/24	PZ1	1000	7992	6,0x60/36	PZ3	200
8800	3,0x45/30	PZ1	1000	10159	6,0x70/42	PZ3	200
10900	3,0x50/30	PZ1	500	11096	6,0x80/50	PZ3	150
21231	3,5x35/24	PZ2	1000	7096	6,0x90/60	PZ3	100
10723	3,5x45/30	PZ2	500	9919	6,0x100/60	PZ3	100
10754	3,5x50/30	PZ2	500	10887	6,0x110/70	PZ3	100
7938	3,5x60/36	PZ2	500	10311	6,0x120/70	PZ3	100
10897	4,0x30/18	PZ2	1000	8294	6,0x130/70	PZ3	100
8861	4,0x40/24	PZ2	500	7293	6,0x140/70	PZ3	100
10257	4,0x45/30	PZ2	400	11066	6,0x150/70	PZ3	100
10158	4,0x50/30	PZ2	500	7295	6,0x160/70	PZ3	100
10160	4,0x60/36	PZ2	400	11065	6,0x180/70	PZ3	100
10730	4,0x70/42	PZ2	250	7297	6,0x200/70	PZ3	100
7097	4,0x80/50	PZ2	200				
10244	4,5x30/18	PZ2	500				
10245	4,5x35/24	PZ2	500				
10246	4,5x40/24	PZ2	500				
10161	4,5x45/30	PZ2	500				
10747	4,5x50/30	PZ2	400				
8033	4,5x60/36	PZ2	250				
10165	4,5x70/42	PZ2	250				
7286	4,5x80/50	PZ2	200				
11242	4,5x90/60	PZ2	100				
8495	5,0x40/24	PZ2	500				
10728	5,0x45/30	PZ2	400				
10162	5,0x50/30	PZ2	400				
7762	5,0x60/36	PZ2	250				
10156	5,0x70/42	PZ2	200				
7170	5,0x80/50	PZ2	200				
8011	5,0x90/60	PZ2	100				
10886	5,0x100/60	PZ2	100				
10888	5,0x120/70	PZ2	100				
11067	5,0x140/70	PZ2	100				

CHIPBOARD SCREWS

COUNTERSUNK HEAD, FULL THREAD

Application

Widely applied in all branches, by both professionals and DIY guys, into natural wood, chipboard, plastic materials, wall plugs, etc. Chipboard screws are made of highstrength and durable materials and they are yellow or silver galvanized.



FeZn | yellow galvanized

Art. No.	Size	Bit	pcs/box
13769	3,0x12	TX10	2000
13488	3,0x16	TX10	2000
11613	3,0x20	TX10	2000
13495	3,0x25	TX10	1000
9273	3,0x30	TX10	1000
13494	3,0x35	TX10	1000
13572	3,0x40	TX10	1000
13498	3,0x45	TX10	1000
7333	3,5x16	TX15	2000
12560	3,5x20	TX15	2000
13497	3,5x25	TX15	1000
12562	3,5x30	TX15	1000
13490	3,5x35	TX15	1000
10846	3,5x40	TX15	500
12564	3,5x45	TX15	500
13153	3,5x50	TX15	500
13486	4,0x16	TX20	1000
7335	4,0x20	TX20	1000
10843	4,0x25	TX20	1000
13262	4,0x30	TX20	1000
10821	4,0x35	TX20	500
10845	4,0x40	TX20	500
10844	4,0x45	TX20	400
10193	4,0x50	TX20	500
10194	4,0x60	TX20	400
11050	4,0x70	TX20	250
13489	4,5x20	TX20	500
12989	4,5x25	TX20	500
13255	4,5x30	TX20	500
13485	4,5x35	TX20	500
11959	4,5x40	TX20	500
13253	4,5x45	TX20	500

Art. No.	Size	Bit	pcs/box
13254	4,5x50	TX20	400
11049	4,5x60	TX20	250
13491	5,0x20	TX25	500
13484	5,0x25	TX25	500
10847	5,0x30	TX25	500
13263	5,0x35	TX25	500
7878	5,0x40	TX25	500
11776	5,0x45	TX25	400
11701	5,0x50	TX25	250
11777	5,0x60	TX25	250
13256	5,0x70	TX25	200
13260	6,0x40	TX30	250
11780	6,0x50	TX30	250
13072	6,0x60	TX30	200
13259	6,0x70	TX30	200
13492	6,0x80	TX30	150

Stainless steel | A2

Art. No.	Size	Bit	pcs/box
15633	3,0x16	TX10	1000
15634	3,0x20	TX10	1000
16163	3,0x25	TX10	500
17581	3,0x30	TX10	500
16166	3,5x16	TX15	1000
15635	3,5x20	TX15	1000
15636	3,5x25	TX15	500
15637	3,5x30	TX15	200
15638	3,5x40	TX15	200
18599	3,5x50	TX15	200
15639	4,0x16	TX20	1000
15640	4,0x20	TX20	1000
16761	4,0x25	TX20	500
16169	4,0x30	TX20	200
16170	4,0x35	TX20	200
16171	4,0x40	TX20	200
16172	4,0x45	TX20	200
15671	4,0x50	TX20	200
15672	4,0x60	TX20	200
15641	4,5x20	TX20	500
11621	4,5x25	TX20	500
16174	4,5x30	TX20	200
15642	4,5x35	TX20	200
15643	4,5x40	TX20	200
15644	4,5x45	TX20	200
15645	4,5x50	TX20	200
15646	4,5x60	TX20	100
16176	5,0x20	TX25	500
16177	5,0x25	TX25	500
15647	5,0x30	TX25	200
15648	5,0x35	TX25	200
15649	5,0x40	TX25	200

Art. No.	Size	Bit	pcs/box
17582	5,0x45	TX25	200
15650	5,0x50	TX25	200
15651	5,0x60	TX25	100
15652	5,0x70	TX25	100
15653	5,0x80	TX25	100
15654	5,0x90	TX25	100
15655	6,0x40	TX30	200
16179	6,0x45	TX25	200
15656	6,0x50	TX30	100
15657	6,0x60	TX30	100
16181	6,0x70	TX30	100
16182	6,0x80	TX30	100
15658	6,0x100	TX30	100

CHIPBOARD SCREWS

COUNTERSUNK HEAD, PARTIAL THREAD

Application

Widely applied in all branches, by both professionals and DIY guys, into natural wood, chipboard, plastic materials, wall plugs, etc. Chipboard screws are made of highstrength and durable materials and they are yellow or silver galvanized.



FeZn | yellow galvanized

Art. No.	Size	Bit	pcs/box
13496	3,0x30/18	TX10	1000
10131	3,0x35/24	TX10	1000
13487	3,0x40/24	TX10	1000
13499	3,0x45/30	TX10	1000
12561	3,5x30/18	TX15	1000
12563	3,5x35/24	TX15	1000
11617	3,5x40/24	TX15	500
11616	3,5x45/30	TX15	500
12565	3,5x50/30	TX15	500
11074	4,0x30/18	TX20	1000
13252	4,0x35/24	TX20	500
10987	4,0x40/24	TX20	500
12554	4,0x45/30	TX20	400
7338	4,0x50/30	TX20	500
7339	4,0x60/36	TX20	400
7334	4,0x70/42	TX20	250
19411	4,5x35/24	TX20	500
11958	4,5x40/24	TX20	500
11413	4,5x45/30	TX20	500
10755	4,5x50/30	TX20	400
10988	4,5x60/36	TX20	250
7298	4,5x70/42	TX20	200
11645	4,5x80/50	TX20	200
13257	5,0x40/24	TX25	500
13258	5,0x45/30	TX25	400
9723	5,0x50/30	TX25	250
10724	5,0x60/36	TX25	200
10746	5,0x70/42	TX25	200
9725	5,0x80/50	TX25	200
11145	5,0x90/60	TX25	100
11144	5,0x100/60	TX25	100
10889	5,0x120/70	TX25	100

Art. No.	Size	Bit	pcs/box
13261	6,0x50/30	TX30	250
11075	6,0x60/36	TX30	200
11051	6,0x70/42	TX30	200
11094	6,0x80/50	TX30	150
8943	6,0x90/60	TX30	100
11143	6,0x100/60	TX30	100
11444	6,0x110/70	TX30	100
9728	6,0x120/70	TX30	100
13493	6,0x130/70	TX30	100
6907	6,0x140/70	TX30	100
9727	6,0x150/70	TX30	100
12488	6,0x160/70	TX30	100
10134	6,0x180/70	TX30	100
12489	6,0x200/70	TX30	100
20817	6,0x260/70	TX30	100
12754	6,0x280/70	TX30	100
7310	8,0x200/70	TX40	100

Stainless steel | A2

Art. No.	Size	Bit	pcs/box
16164	3,0x35/24	TX10	500
16165	3,0x40/24	TX10	500
15659	3,5x30/18	TX15	200
10909	3,5x35/24	TX15	200
10908	3,5x40/24	TX15	200
16168	3,5x50/30	TX15	200
11157	4,0x35/24	TX20	200
9721	4,0x40/24	TX20	200
11771	4,0x45/30	TX20	200
9720	4,0x50/30	TX20	200
11029	4,0x60/36	TX20	200
9950	4,0x70/42	TX20	200
16173	4,0x80/50	TX20	100
15660	4,5x35/24	TX20	200
11623	4,5x40/24	TX20	200
15661	4,5x45/30	TX20	200
11625	4,5x50/30	TX20	200
11452	4,5x60/36	TX20	100
11627	4,5x70/42	TX20	100
11629	4,5x80/50	TX20	100
15662	5,0x35/24	TX25	200
15663	5,0x40/24	TX25	200
16178	5,0x45/30	TX25	200
9719	5,0x50/30	TX25	200
7311	5,0x60/36	TX25	100
11156	5,0x70/42	TX25	100
9975	5,0x80/50	TX25	100
9976	5,0x90/60	TX25	100
9889	5,0x100/60	TX25	100
15664	6,0x40/24	TX30	200
16180	6,0x45/30	TX25	200
15665	6,0x50/30	TX30	100

Art. No.	Size	Bit	pcs/box
15666	6,0x60/36	TX30	100
15667	6,0x80/50	TX30	100
15668	6,0x90/60	TX30	100
15669	6,0x100/60	TX30	100
16183	6,0x120/70	TX30	100
16184	6,0x140/70	TX30	100

CHIPBOARD SCREWS

PAN HEAD, FULL THREAD

Application

Widely applied in all branches, by both professionals and DIY guys, into natural wood, chipboard, plastic materials, wall plugs, etc. Chipboard screws are made of highstrength and durable materials and they are yellow or silver galvanized.



FeZn | white galvanized

Art. No.	Size	Bit	pcs/box
16398	2,5x12	PZ1	2000
16399	2,5x16	PZ1	2000
16400	2,5x20	PZ1	2000
16401	2,5x25	PZ1	2000
16402	2,5x30	PZ1	1000
7741	3,0x12	PZ1	2000
7740	3,0x16	PZ1	2000
7743	3,0x20	PZ1	2000
7742	3,0x25	PZ1	1000
7744	3,0x30	PZ1	1000
7745	3,0x35	PZ1	1000
16403	3,0x40	PZ1	1000
16404	3,5x12	PZ2	2000
16405	3,5x16	PZ2	2000
16406	3,5x20	PZ2	2000
16407	3,5x25	PZ2	1000
16408	3,5x30	PZ2	1000
7746	3,5x35	PZ2	1000
16409	3,5x40	PZ2	1000
16410	3,5x45	PZ2	500
16411	4,0x10	PZ2	2000
16412	4,0x12	PZ2	2000
9635	4,0x16	PZ2	1000
16413	4,0x20	PZ2	1000
9182	4,0x25	PZ2	1000
16414	4,0x30	PZ2	1000
7747	4,0x35	PZ2	500
7748	4,0x40	PZ2	500
7749	4,0x45	PZ2	400
7750	4,0x50	PZ2	500
7751	4,0x60	PZ2	400
7753	4,0x70	PZ2	250

Art. No.	Size	Bit	pcs/box
16415	4,5x12	PZ2	500
16416	4,5x16	PZ2	500
16417	4,5x20	PZ2	500
16418	4,5x25	PZ2	500
16419	4,5x30	PZ2	500
16420	4,5x35	PZ2	500
16421	4,5x40	PZ2	500
16422	4,5x45	PZ2	500
16423	4,5x50	PZ2	400
9463	4,5x60	PZ2	250
16424	4,5x70	PZ2	250
16425	4,5x80	PZ2	200
16426	5,0x16	PZ2	500
16427	5,0x20	PZ2	500
16428	5,0x25	PZ2	500
16429	5,0x30	PZ2	500
7752	5,0x35	PZ2	500
7754	5,0x40	PZ2	500
16430	5,0x45	PZ2	400
7755	5,0x50	PZ2	250
12140	5,0x60	PZ2	250
16431	5,0x70	PZ2	200
16432	5,0x80	PZ2	200
16433	5,0x90	PZ2	100
16434	5,0x100	PZ2	100
16435	6,0x20	PZ3	250
16436	6,0x25	PZ3	250
16437	6,0x30	PZ3	250
16438	6,0x35	PZ3	250
16439	6,0x40	PZ3	250
16440	6,0x45	PZ3	250
16441	6,0x50	PZ3	250

Art. No.	Size	Bit	pcs/box
7688	6,0x60	PZ3	200
16442	6,0x70	PZ3	200
16443	6,0x80	PZ3	150
16444	6,0x90	PZ3	100
16445	6,0x100	PZ3	100

HEXAGON HEAD WOOD SCREWS

PARTIAL THREAD, DIN 571

Application

To fix for example steel plates to wood construction elements. Screws are made of steel and they are silver galvanized, but we can deliver stainless steel screws, too.

From this reason they can be also applied in a damp environment, for example to anchor sanitary elements to masonry or concrete by means of rawlplugs.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
7505	5,0x20	100	7540	8,0x110	100	7584	12,0x120	50
7507	5,0x30	100	7541	8,0x120	100	7586	12,0x140	25
14172	5,0x40	100	7543	8,0x140	50	7588	12,0x160	25
7511	5,0x50	100	7544	8,0x150	50	7590	12,0x200	25
14175	5,0x60	100	6937	8,0x160	50	7591	12,0x220	25
7513	5,0x70	100	7545	8,0x180	50	7592	12,0x240	25
7514	5,0x80	100	7546	8,0x200	50	7593	12,0x260	25
7515	6,0x20	100	7549	10,0x40	100	7594	12,0x300	25
7516	6,0x25	100	7550	10,0x45	100			
7517	6,0x30	100	7551	10,0x50	100			
7518	6,0x35	100	7553	10,0x60	100			
7453	6,0x40	100	7555	10,0x70	50			
14173	6,0x50	100	7418	10,0x80	50			
7716	6,0x60	100	14177	10,0x90	50			
7842	6,0x70	100	8694	10,0x100	50			
10525	6,0x80	100	7559	10,0x110	50			
7417	6,0x90	100	7560	10,0x120	50			
7811	6,0x100	100	7561	10,0x130	50			
10526	6,0x110	100	7562	10,0x140	50			
7528	6,0x120	100	7563	10,0x150	50			
6936	6,0x140	100	7564	10,0x160	50			
13705	6,0x150	100	7566	10,0x180	50			
7529	8,0x25	100	7567	10,0x200	50			
7530	8,0x30	100	7568	10,0x220	50			
22966	8,0x40	100	8303	10,0x240	50			
7758	8,0x45	100	7570	10,0x260	50			
14174	8,0x50	100	7575	12,0x50	50			
7534	8,0x60	100	7576	12,0x60	50			
14176	8,0x70	100	7580	12,0x80	50			
7416	8,0x80	100	7581	12,0x90	50			
7538	8,0x90	100	7582	12,0x100	50			
7539	8,0x100	100	7583	12,0x110	50			



CARPENTRY WOOD SCREWS

FULL THREAD

Application

To install all kinds of timber connectors of thickness 2 to 3 mm. The reinforced shank under the head fits perfect to the holes in the timber connectors, that is why we create a strong and precise connection. It is also possible to dismount such a connection whenever needed.



FeZn | white galvanized

Pan head

Art. No.	Size	Bit	pcs/box
11983	4,8x35	TX20	500
11984	4,8x40	TX20	500
11985	4,8x45	TX20	500

Wafer head

Art. No.	Size	Bit	pcs/box
14423	8,0x40	TX40	50
14424	8,0x50	TX40	50
22806	8,0x60	TX40	50

CE

TERRACE SCREWS

COUNTERSUNK HEAD

Application

Suitable to apply in the exterior, mainly in the horizontal surfaces – terraces, but can be used also in the vertical surfaces – wood facades. Penetration into the wood is easier and faster thanks to a special cutting point, so that it is not necessary to pre-drill the connected parts.



Stainless steel | AISI 410

Made of martensitic stainless steel, these screws are able to transmit higher mechanical loadings and torques, and they can be applied without pre-drilling. In comparison to screws made of stainless steel A4, they are not suitable for mounting of tropical wood rich in tannins, among the domestic woods such as oak and acacia. Screws are less chlorine resistant, as well as other chemical effects, and therefore they are not suitable to apply near pools with chlorinated water.

Stainless steel | AISI 304, A2

These screws are not characterized by any special mechanical or chemical properties. They are common screws suitable to use in the interiors or exteriors, and wherever there are no bigger demands for mechanical and chemical properties of the screw.

Stainless steel | AISI 316, A4

Made of austenitic stainless steel, these screws are characterized by higher resistance to tannins contained in tropical wood, oak or acacia. No black spots are formed around the heads. They are more resistant to chemical effects (chlorine, etc.) and sea salt. Even for this feature, the screws are widely used in wooden constructions in seaside areas. It is recommended to pre-drill before application.

AISI 410

Art. No.	Size	Bit	pcs/box
8327	5,0x40	TX25	100
10078	5,0x50	TX25	100
8860	5,0x60	TX25	100
8328	5,0x70	TX25	100

AISI 304, A2

Art. No.	Size	Bit	pcs/box
14449	5,0x40	TX25	100
14450	5,0x50	TX25	100
14451	5,0x60	TX25	100
14452	5,0x70	TX25	100

AISI 316, A4

Art. No.	Size	Bit	pcs/box
12949	5,0x40	TX25	100
12950	5,0x50	TX25	100
12951	5,0x60	TX25	100
12952	5,0x70	TX25	100



BITS

BIT TORX

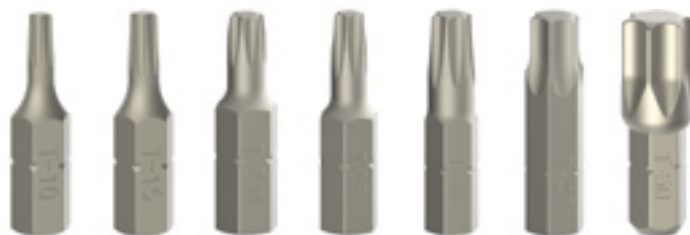
Application

To tighten screws and bolts. The advantage against other bits is the capability to transmit higher torques without slipping the bit in the screw head.

Bits Torx are supplied in various sizes, marked with „T“ letter as well as specific size, most common are T15, T20, T25, T30 and T40.

Note: Do not confuse the "Torx" bit and the hexagonal inner wrench (INBUS, Allen Key).

Art. No.	Size	Bit	pcs/box	Art. No.	Size	Bit	pcs/box
14203	TX10	25 mm	1	8652	TX30	25 mm	1
14204	TX15	25 mm	1	9304	TX40	25 mm	1
8669	TX20	25 mm	1	14499	TX50	25 mm	1
8651	TX25	25 mm	1				



BIT POZIDRIVE

Application

To tighten wood screws. Still a widely used bit, however not suitable to transmit high torques as the bit Torx or a bigger pressure on the bit is required in order to avoid the bit to slip in the screw head.

Bits Pozidrive are supplied in various sizes, marked with „PZ“ letters as well as specific size, most common are PZ1, PZ2 and PZ3.

Note: Do not confuse the "Pozidrive" bit and the "Philips" bit.

Art. No.	Size	Bit	pcs/box
14205	PZ1	25 mm	1
14206	PZ2	25 mm	1
14207	PZ3	25 mm	1



BIT PHILLIPS

Application

Mostly used to tighten drywall screws or tapping screws. These bits are designed to transmit lower torques.

Bits Phillips are supplied in various sizes, marked with „PH“ letter as well as specific size, most common are PH1, PH2 and PH3.

Note: Do not confuse the "Pozidrive" bit and the "Philips" bit.

Art. No.	Size	Bit	pcs/box
17787	PH1	25 mm	1
17788	PH2	25 mm	1
17789	PH3	25 mm	1



CONFIRMATE SCREWS

HEXAGON SOCKET HEAD, PARTIAL THREAD

Application

Mostly used to join chipboards.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
15584	5,0x40	100	11247	7,0x50	100
15585	5,0x50	100	15588	7,0x60	100
15586	6,3x50	100	12532	7,0x70	100
18062	6,3x60	100			
18063	6,3x70	100			
15587	7,0x40	100			

HANGER BOLTS

WITHOUT OR WITH HEXAGON IN THE MIDDLE, TX

Application

The screw is used for direct fixing in wood ,or can be used along with a plastic anchor to concrete or masonry.



FeZn | white galvanized

Art. No.	Size	Bit	pcs/box	Art. No.	Size	Bit	pcs/box	Art. No.	Size	Bit	pcs/box
15677	6,0x50	TX15	100	15689	8,0x140	TX25	100	15701	10,0x160	TX25	50
15678	6,0x60	TX15	100	15690	8,0x150	TX25	100	15702	10,0x180	TX25	50
15679	6,0x80	TX15	100	15691	8,0x160	TX25	100	15703	10,0x200	TX25	50
15680	6,0x100	TX15	100	15692	8,0x180	TX25	100	15704	12,0x100	TX30	50
15681	8,0x50	TX25	100	15693	8,0x200	TX25	100	15705	12,0x120	TX30	50
15682	8,0x60	TX25	100	15694	10,0x60	TX25	100	15706	12,0x160	TX30	25
15683	8,0x70	TX25	100	15695	10,0x70	TX25	100	15707	12,0x180	TX30	25
15684	8,0x80	TX25	100	15696	10,0x80	TX25	100	15708	12,0x200	TX30	25
15685	8,0x90	TX25	100	15697	10,0x100	TX25	100				
15686	8,0x100	TX25	100	15698	10,0x120	TX25	100				
15687	8,0x110	TX25	100	15699	10,0x140	TX25	50				
15688	8,0x120	TX25	100	15700	10,0x150	TX25	50				

ROOFING SCREWS

EPDM WASHER, FULL THREAD

Application

Screws are galvanized and colored, applied to fasten sheet metal roofing to wooden construction. Steel washer and EPDM sealing are the part of the screw.



FeZn | white galvanized

Art. No.	Size	Color	pcs/box	Art. No.	Size	Color	pcs/box	Art. No.	Size	Color	pcs/box
16811	4,8x20	(RAL 3009) red	200	16818	4,8x20	(RAL 8019) brown	200	16826	4,8x35	(RAL 7024) grey	200
16812	4,8x20	(RAL 3011) red	200	16819	4,8x20	(RAL 9005) black	200	16827	4,8x35	(RAL 8004) brown	200
16813	4,8x20	(RAL 5010) blue	200	16820	4,8x20	(RAL 9006) alu white	200	16828	4,8x35	(RAL 8017) brown	200
17434	4,8x20	(RAL 6020) green	200	16821	4,8x20	(RAL 9010) white	200	16829	4,8x35	(RAL 8019) brown	200
16814	4,8x20	(RAL 7016) grey	200	16822	4,8x35	(RAL 3009) red	200	16830	4,8x35	(RAL 9005) black	200
16815	4,8x20	(RAL 7024) grey	200	16823	4,8x35	(RAL 3011) red	200	16831	4,8x35	(RAL 9006) alu white	200
16816	4,8x20	(RAL 8004) brown	200	16824	4,8x35	(RAL 5010) blue	200	16832	4,8x35	(RAL 9010) white	200
16817	4,8x20	(RAL 8017) brown	200	16825	4,8x35	(RAL 7016) grey	200				

WOOD SCREWS

EPDM WASHER, DIN 7995

Application

Our stainless steel wood screws are supplied with a sealing washer of 15 mm in diameter. The mentioned length of these screws includes the head and the washer.



Stainless steel | AISI304, A2

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
22134	4,5x20	200	22137	4,5x35	200	22140	4,5x50	200
22135	4,5x25	200	22138	4,5x40	200	22141	4,5x60	200
22136	4,5x30	200	22139	4,5x45	200	22142	4,5x80	200

CARPENTRY WOOD SPACER SCREWS

COUNTERSUNK HEAD, PARTIAL THREAD

Application

Mostly used to install ventilated facades, but also suitable for panels, battens and wooden floors. These screws allow a continuous regulation of individual parts of the construction without the need to use any other aids. They can be also used for hard wood, thanks to a special drilling point.



FeZn | white galvanized

Art. No.	Size	Bit	pcs/box	Art. No.	Size	Bit	pcs/box
18046	6,0x90	TX25	100	18056	6,0x130	TX25	100
18053	6,0x100	TX25	100	18057	6,0x145	TX25	100
18054	6,0x110	TX25	100	18058	6,0x160	TX25	100
18055	6,0x120	TX25	100				

DRYWALL SCREWS

SELF DRILL TIP

Application

To install plaster boards to metal constructions, without pre-drilling till 0,7 mm thin metal sheet.



Fe | black phosphated

Art. No.	Size	Bit	pcs/box
8164	3,5x025	PH	1000
8926	3,5x035	PH	1000
8927	3,5x045	PH	500
10439	3,5x055	PH	500
10440	4,2x070	PH	250
7625	4,2x075	PH	250
7626	4,2x080	PH	200
7627	4,2x090	PH	100
7628	4,8x090	PH	100
7629	4,8x100	PH	100
7631	4,8x120	PH	100



DRYWALL SCREWS

SELF DRILL TIP

Application

To install plaster boards to metal constructions.



Fe | black phosphated

Art. No.	Size	Bit	pcs/box
7648	3,5x025	PH	1000
7649	3,5x035	PH	1000
16672	3,5x038	PH	1000
7650	3,5x045	PH	500
16673	3,5x050	PH	500



DRYWALL SCREWS

FN, COARSE THREAD, FLANGE HEAD

Application

To install plaster boards to wooden constructions.

Fe | black phosphated

Art. No.	Size	Bit	pcs/box
9270	4,2x035	PH	250
7653	4,2x045	PH	250

Art. No.	Size	Bit	pcs/box
7654	4,2x055	PH	250



DRYWALL SCREWS

FINE THREAD, FLANGE HEAD

Application

Drywall screws for mounting plasterboard to metal substructure up to 0.7 mm thickness.

Fe | black phosphated

Art. No.	Size	Bit	pcs/box
19353	4,2x035	PH	250
19354	4,2x045	PH	250

Art. No.	Size	Bit	pcs/box
19355	4,2x055	PH	250



DRYWALL SCREWS

TX, COARSE THREAD, BUGLE HEAD

Application

To install plaster boards to wooden constructions.

Fe | black phosphated

Art. No.	Size	Bit	pcs/box
11251	3,5x025	PH	100
10322	3,5x035	PH	100
10323	3,5x045	PH	500
10324	3,5x055	PH	500
7643	4,2x065	PH	250

Art. No.	Size	Bit	pcs/box
7644	4,2x075	PH	250
7645	4,2x090	PH	100
7646	4,8x090	PH	100
7647	4,8x120	PH	100



DRYWALL SCREWS

COLLATED, FINE THREAD, FLANGE HEAD

Application

To install plaster boards to CD profiles, an extremely sharp tip enables a better wood penetration.

Fe | black phosphated

Art. No.	Size	pcs/box
20882	3,5x025	1000
20883	3,5x035	1000
20884	3,5x045	1000
20885	3,5x055	1000



DRYWALL SCREWS

COLLATED, COARSE THREAD, FLANGE HEAD

Application

To install plaster boards to wooden constructions.

For screwing collated screws into drywalls/ plasterboards quickly and effectively, it is recommended to use the MAX PJCD551 battery-powered screwdriver.

Fe | black phosphated

Art. No.	Size	pcs/box
20886	3,5x025	1000
20887	3,5x035	1000
20888	3,5x045	1000
20889	3,5x055	1000



Battery-powered screwdriver | MAX PJCD551

Art. No.	Weight (kg)	For screws (mm)	pcs/box
20908	2,20	3,5-4,2 x 25-55	1





WINDOW SCREWS

FULL THREAD

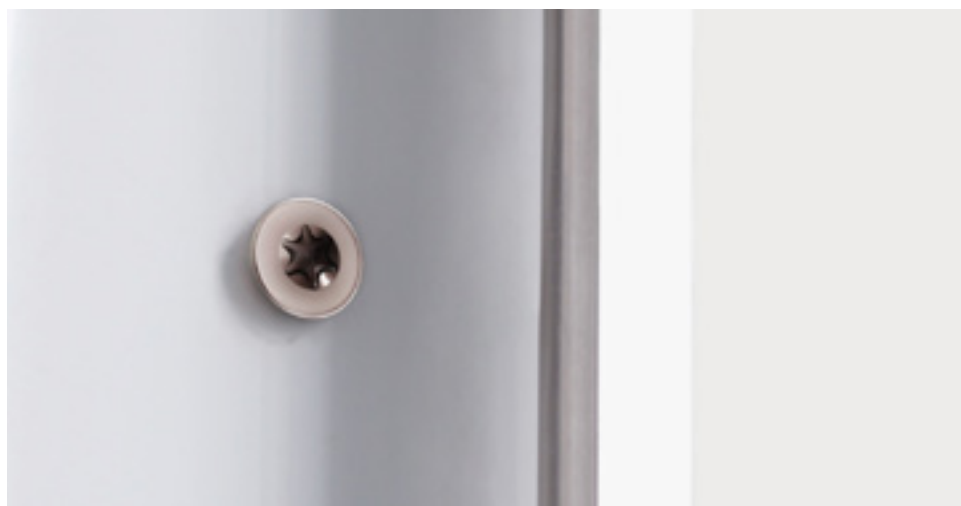
Application

For quick and stress-free installation of windows and doors to most of building materials. Quick and easy installation, a small pre-drilled hole, a pass-through anchoring. Can be used in hollow bricks. Suitable to apply to concrete, bricks and mulded bricks.



FeZn | white galvanized

Art. No.	Size	Bit	pcs/box
10278	7,5x52	TX30	100
10279	7,5x62	TX30	100
10280	7,5x72	TX30	100
10281	7,5x82	TX30	100
10282	7,5x92	TX30	100
10270	7,5x102	TX30	100
10271	7,5x112	TX30	100
10272	7,5x122	TX30	100
10273	7,5x132	TX30	100
10274	7,5x152	TX30	100
10275	7,5x182	TX30	100
10276	7,5x202	TX30	100
10277	7,5x212	TX30	100
20819	7,5x252	TX30	100
20821	7,5x302	TX30	100

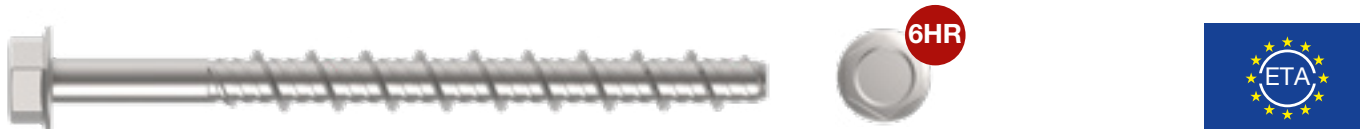


CONCRETE SCREWS

HEXAGON WASHER HEAD

Application

For easy and quick mounting everywhere where a joint that can be dismantled and reused is needed. During anchorage, no expansion is present in the joint which means that there is no stress in the foundation. This makes possible to place the screws close to the edge of the foundation and close to other anchors. These screws are widely used for attaching base plates to concrete surfaces, for making formwork and bracing, guardrails, handrails, rack systems as well as for temporary anchorage.



FeZn | white galvanized

Art. No.	Size	pcs/box
22826	7,5x60	50
22827	7,5x80	50
22828	7,5x100	50
22829	10,5x65	50
22830	10,5x75	50
22831	10,5x90	50
22832	10,5x110	50
22833	12,5x75	25
22834	12,5x85	25
22835	12,5x100	25
22836	12,5x120	25
22837	12,5x140	25



CARRIAGE BOLTS

DIN 603, 4.8

Application

A wide application, especially to bond the parts used for the manufacture of gates, fences, railings, benches, etc., so mainly where the bonded element is wood. A regular square under the head serves to prevent the screw to slip while tightening. Any dismantling of the joint is always carried by the nut.

When looking at the final product assembled with the use of carriage bolts, its nice appearance is quite obvious (due to a massive smooth mushroom-shaped head). Also for this reason, this type of bolt is sought-after by our clients more and more often. The DIN 603 Standard applies to all types of carriage bolts.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
11839	5,0x16	500	11867	6,0x130	100	11890	8,0x260	50	11918	12,0x35	100
11840	5,0x20	500	11868	6,0x140	100	11891	10,0x20	200	11919	12,0x40	100
11841	5,0x25	500	11869	6,0x150	100	11892	10,0x25	200	11920	12,0x45	100
11842	5,0x30	500	11870	8,0x16	200	11893	10,0x30	200	11921	12,0x50	100
11843	5,0x35	200	11871	8,0x20	200	11894	10,0x35	100	11922	12,0x55	100
11519	5,0x40	200	11872	8,0x25	200	11895	10,0x40	100	11923	12,0x60	100
11844	5,0x45	200	11873	8,0x30	200	11896	10,0x45	100	11925	12,0x70	50
11845	5,0x50	200	11874	8,0x35	200	11897	10,0x50	100	11926	12,0x80	50
11520	5,0x60	200	11742	8,0x40	200	11898	10,0x55	100	11927	12,0x90	50
11846	5,0x70	200	11875	8,0x45	200	11899	10,0x60	100	11928	12,0x100	50
11847	5,0x80	200	11743	8,0x50	200	11900	10,0x70	100	11929	12,0x120	50
11849	6,0x16	500	11876	8,0x55	200	11901	10,0x80	100	11931	12,0x130	50
11850	6,0x20	500	11744	8,0x60	200	11902	10,0x90	100	11932	12,0x140	50
11851	6,0x25	500	11877	8,0x65	200	11903	10,0x100	100	11933	12,0x160	25
11852	6,0x30	500	11745	8,0x70	200	11904	10,0x110	50	11934	12,0x180	25
11853	6,0x35	200	11746	8,0x80	200	11905	10,0x120	50	11935	12,0x200	25
11854	6,0x40	200	11747	8,0x90	100	11906	10,0x130	50	11936	12,0x220	25
11855	6,0x45	200	11879	8,0x100	100	11907	10,0x140	50	11937	12,0x240	25
11856	6,0x50	200	11880	8,0x110	100	11908	10,0x150	50	11940	12,0x300	25
11857	6,0x60	200	11881	8,0x120	100	11909	10,0x160	50			
11858	6,0x65	200	11882	8,0x130	100	11910	10,0x180	50			
11859	6,0x70	200	11883	8,0x140	50	11911	10,0x200	50			
11860	6,0x75	200	11884	8,0x150	50	11912	10,0x220	50			
11861	6,0x80	200	11885	8,0x160	50	11913	10,0x240	25			
11862	6,0x90	100	11886	8,0x180	50	11914	10,0x260	25			
11863	6,0x100	100	11887	8,0x200	50	11915	10,0x280	25			
11865	6,0x110	100	11888	8,0x220	50	11916	10,0x300	25			
11866	6,0x120	100	11889	8,0x240	50	11917	12,0x30	100			

HEXAGON HEAD BOLTS

DIN 931, 8.8, PARTIAL THREAD

Application

The most used type of bolts, applied practically in all industries, from heavy steel constructions to fine mechanics. They are applied either with a nut or a washer, or individually screwing directly into the threaded hole.

This type of bolts can also be used for mechanically more stressed joints – can be stressed by shearing force, tensile force, or both forces simultaneously.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
16752	M5x30	500	13003	M8x65	200	13026	M10x120	50	13080	M14x80	50	20292	M20x70	25
16753	M5x35	200	13004	M8x70	200	13027	M10x130	50	13081	M14x85	50	20293	M20x75	25
16754	M5x40	200	13005	M8x75	200	13028	M10x140	50	13082	M14x90	50	20294	M20x80	25
16755	M5x45	200	13006	M8x80	200	13029	M10x150	50	13083	M14x95	50	20295	M20x90	25
16756	M5x50	200	13007	M8x85	200	13032	M12x40	100	13084	M14x100	50	20296	M20x100	25
16757	M5x55	200	13008	M8x90	100	13033	M12x45	100	13085	M14x110	50	20297	M20x110	25
16758	M5x60	200	13009	M8x95	100	13034	M12x50	100	13086	M14x120	50	20298	M20x120	25
16759	M5x65	200	13010	M8x100	100	13035	M12x55	100	13087	M14x130	25	20299	M20x130	10
16760	M5x70	200	17312	M8x110	50	13036	M12x60	100	13088	M14x140	25	20300	M20x140	10
12991	M6x30	500	17313	M8x120	50	13037	M12x65	50	13089	M14x150	25	20301	M20x150	10
12992	M6x35	200	17314	M8x130	50	13038	M12x70	50	13090	M16x50	50	20302	M20x160	10
12993	M6x40	200	17315	M8x140	50	13039	M12x75	50	13091	M16x55	50	20303	M20x180	10
12994	M6x45	200	17316	M8x150	50	13040	M12x80	50	13092	M16x60	50	20304	M20x200	10
12995	M6x50	200	13011	M10x35	100	13041	M12x85	50	13093	M16x65	25	20305	M24x70	10
12844	M6x55	200	13012	M10x40	100	13042	M12x90	50	13094	M16x70	25	20306	M24x75	10
12805	M6x60	200	13013	M10x45	100	13043	M12x95	50	13095	M16x75	25	20307	M24x80	10
17379	M6x70	200	13014	M10x50	100	13044	M12x100	50	13096	M16x80	25	20308	M24x90	10
17380	M6x75	200	13015	M10x55	100	13045	M12x110	50	13097	M16x85	25	20309	M24x100	10
16736	M6x80	200	13016	M10x60	100	13046	M12x120	50	13098	M16x90	25	20310	M24x110	10
17381	M6x90	200	13017	M10x65	100	13047	M12x130	50	13099	M16x95	25	20311	M24x120	10
17382	M6x100	100	13018	M10x70	100	13048	M12x140	50	13100	M16x100	25	20312	M24x130	10
12996	M8x30	200	13019	M10x75	100	13049	M12x150	50	13101	M16x110	25	20313	M24x140	10
12997	M8x35	200	13020	M10x80	100	13074	M14x50	50	13102	M16x120	25	20314	M24x150	10
12998	M8x40	200	13021	M10x85	100	13075	M14x55	50	13103	M16x130	25	20315	M24x160	10
12999	M8x45	200	13022	M10x90	100	13076	M14x60	50	13104	M16x140	25	20316	M24x180	10
13000	M8x50	200	13023	M10x95	100	13077	M14x65	50	13105	M16x150	25	20317	M24x200	10
13001	M8x55	200	13024	M10x100	100	13078	M14x70	50	20290	M20x60	25			
13002	M8x60	200	13025	M10x110	50	13079	M14x75	50	20291	M20x65	25			

HEXAGON HEAD BOLTS

DIN 933, 8.8, FULL THREAD

Application

The most used type of bolts, applied practically in all industries, from heavy steel constructions to fine mechanics. They are applied either with a nut or a washer, or individually screwing directly into the threaded hole. This type of bolts can also be used for mechanically more stressed joints – can be stressed by shearing force, tensile force, or both forces simultaneously.

Bolts with hexagon head are made of steel of 5.6, 5.8, 8.8, 10.9 and 12.9 strength grades (the strength of the steel is marked out on the head of the screw) either without any surface finish or electro-galvanized (zinc coated), etc.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
20320	M4x6	1000	13239	M6x40	200	11930	M10x80	100	13116	M14x80	50	20264	M20x100	25
20321	M4x8	1000	12809	M6x45	200	12823	M10x85	100	13117	M14x85	50	20265	M20x110	25
20322	M4x10	1000	12810	M6x50	200	12819	M10x90	100	13118	M14x90	50	20266	M20x120	25
20323	M4x16	1000	12800	M6x55	200	12817	M10x95	100	13119	M14x95	50	20267	M20x130	10
20324	M4x20	1000	12801	M6x60	200	12843	M10x100	100	13120	M14x100	50	20268	M20x140	10
20325	M4x25	1000	12811	M8x16	200	12845	M12x20	100	13121	M16x30	50	20269	M20x150	10
20326	M4x30	1000	12812	M8x18	200	12846	M12x25	100	13122	M16x35	50	20270	M20x160	10
20327	M4x35	1000	13244	M8x20	200	12847	M12x30	100	13123	M16x40	50	20271	M24x30	25
20328	M4x40	1000	12813	M8x25	200	12848	M12x35	100	13124	M16x45	50	20272	M24x35	25
20329	M4x45	500	12814	M8x30	200	12849	M12x40	100	13125	M16x50	50	20273	M24x40	25
20330	M4x50	500	12815	M8x35	200	12850	M12x45	100	13126	M16x55	50	20274	M24x45	25
20331	M4x60	500	13240	M8x40	200	12851	M12x50	100	13127	M16x60	50	20275	M24x50	25
16737	M5x10	500	12816	M8x45	200	12852	M12x55	100	13128	M16x65	25	20276	M24x55	25
16738	M5x12	500	12646	M8x50	100	12853	M12x60	100	13129	M16x70	25	20277	M24x60	25
16739	M5x14	500	13241	M8x50	200	12854	M12x65	50	13130	M16x75	25	20278	M24x65	25
16740	M5x16	500	12818	M8x55	200	12855	M12x70	50	13131	M16x80	25	20279	M24x70	10
16741	M5x18	500	13242	M8x60	200	12856	M12x75	50	13132	M16x85	25	20280	M24x75	10
16742	M5x20	500	12820	M8x65	200	12857	M12x80	50	13133	M16x90	25	20281	M24x80	10
16743	M5x25	500	12821	M8x70	200	12858	M12x85	50	13134	M16x95	25	20282	M24x90	10
16744	M5x30	500	12822	M8x75	200	12859	M12x90	50	13135	M16x100	25	20283	M24x100	10
16745	M5x35	200	12135	M8x80	100	12860	M12x95	50	13163	M16x110	25	20284	M24x110	10
16746	M5x40	200	12136	M8x100	100	12861	M12x100	50	13164	M16x120	25	20285	M24x120	10
16747	M5x45	200	12824	M10x20	200	12862	M12x110	50	20252	M20x30	25	20286	M24x130	10
16748	M5x50	200	12825	M10x25	200	13246	M12x120	50	20253	M20x35	25	20287	M24x140	10
16749	M5x55	200	13245	M10x30	200	13106	M14x30	100	20254	M20x40	25	20288	M24x150	10
16750	M5x60	200	12826	M10x35	100	13107	M14x35	100	20255	M20x45	25	20289	M24x160	10
17402	M5x65	200	12137	M10x40	100	13108	M14x40	100	20256	M20x50	25			
16751	M5x70	200	12827	M10x45	100	13109	M14x45	50	20257	M20x55	25			
12802	M6x16	500	12138	M10x50	100	13110	M14x50	50	20258	M20x60	25			
12803	M6x18	500	12828	M10x55	100	13111	M14x55	50	20259	M20x65	25			
12804	M6x20	500	12139	M10x60	100	13112	M14x60	50	20260	M20x70	25			
12806	M6x25	500	12829	M10x65	100	13113	M14x65	50	20261	M20x75	25			
12807	M6x30	500	12830	M10x70	100	13114	M14x70	50	20262	M20x80	25			
12808	M6x35	200	12831	M10x75	100	13115	M14x75	50	20263	M20x90	25			

HEXAGON SOCKET HEAD CAP SCREWS

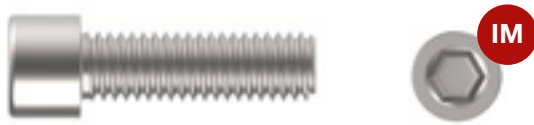
DIN 912, 8.8

Application

Mostly used for bolted joints, with a difficult access when tightening.

These screws are applied even in electronics and fine mechanics, thanks to a smaller head and a possibility of recessing.

They are most often equipped with a hexagon socket.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
15317	M4x6	500	15353	M5x80	200	15004	M8x45	200	15257	M10x130	50	15031	M14x80	50
15318	M4x8	500	15354	M5x85	200	15005	M8x50	200	15258	M10x140	50	15032	M14x85	50
15319	M4x10	500	15355	M5x90	200	15276	M8x55	100	15259	M10x150	50	15033	M14x90	50
15320	M4x12	500	15356	M5x100	200	15277	M8x60	100	15260	M12x20	100	15034	M14x95	50
15321	M4x14	500	15290	M6x10	500	15278	M8x65	100	15009	M12x25	100	15035	M14x100	50
15322	M4x16	500	15291	M6x12	500	15279	M8x70	100	15010	M12x30	100	15036	M14x110	50
15323	M4x18	500	15292	M6x14	500	15280	M8x75	100	15011	M12x35	100	15037	M14x120	50
15324	M4x20	500	14987	M6x16	500	15281	M8x80	100	15012	M12x40	100	15038	M14x130	25
15325	M4x25	500	15293	M6x18	500	15282	M8x85	100	15261	M12x45	50	15040	M16x30	50
15326	M4x30	500	14988	M6x20	500	15283	M8x90	100	15262	M12x50	50	15041	M16x35	50
15327	M4x35	500	14989	M6x25	500	15284	M8x100	100	15263	M12x55	50	15042	M16x40	50
15328	M4x40	500	14990	M6x30	500	15285	M8x110	100	15264	M12x60	50	15043	M16x45	50
15329	M4x45	500	14991	M6x35	200	15286	M8x120	50	15017	M12x65	50	15044	M16x50	50
15330	M4x50	500	14992	M6x40	200	15287	M8x130	50	15018	M12x70	50	15045	M16x55	50
15331	M4x55	500	14993	M6x45	200	15288	M8x140	50	15019	M12x75	50	15046	M16x60	50
15332	M4x60	500	14994	M6x50	200	15289	M8x150	50	15020	M12x80	50	15047	M16x65	25
15300	M5x8	500	14995	M6x55	200	14951	M10x20	200	15265	M12x85	50	15048	M16x70	25
15301	M5x10	500	14996	M6x60	200	14952	M10x25	200	15266	M12x90	50	15049	M16x75	25
15302	M5x12	500	14997	M6x65	200	14953	M10x30	200	15267	M12x100	50	15050	M16x80	25
15303	M5x14	500	15294	M6x70	200	14954	M10x35	100	15268	M12x110	25	15051	M16x85	25
15304	M5x16	500	15295	M6x75	200	14955	M10x40	100	15269	M12x120	25	15052	M16x90	25
15305	M5x18	500	15296	M6x80	200	14956	M10x45	100	15270	M12x130	25	15053	M16x95	25
15306	M5x20	500	15297	M6x85	200	14957	M10x50	100	15271	M12x140	25	15054	M16x100	25
15307	M5x25	500	15298	M6x90	200	14981	M10x55	100	15272	M12x150	25	15055	M16x110	25
15308	M5x30	500	15299	M6x100	200	14982	M10x60	100	15021	M14x30	100	15056	M16x120	25
15309	M5x35	500	15273	M8x12	200	14983	M10x65	100	15022	M14x35	100	15057	M16x130	25
15310	M5x40	500	15274	M8x14	200	15249	M10x70	50	15023	M14x40	100			
15311	M5x45	500	14998	M8x16	200	15250	M10x75	50	15024	M14x45	50			
15312	M5x50	500	15275	M8x18	200	15251	M10x80	50	15025	M14x50	50			
15313	M5x55	500	14999	M8x20	200	15252	M10x85	50	15026	M14x55	50			
15314	M5x60	500	15000	M8x25	200	15253	M10x90	50	15027	M14x60	50			
15351	M6x65	500	15001	M8x30	200	15254	M10x100	50	15028	M14x65	50			
15315	M5x70	200	15002	M8x35	200	15255	M10x110	50	15029	M14x70	50			
15352	M5x75	200	15003	M8x40	200	15256	M10x120	50	15030	M14x75	50			

COUNTERSUNK HEAD CROSS RECESSED SCREWS PHILLIPS

DIN 965, 4.8

Application

Perfect for bolted joints in the mechanical engineering, thanks to a simple access through Phillips slot and a metric thread.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
20435	M3x6	1000	20459	M4x60	200	20482	M6x45	200
20436	M3x8	1000	20460	M4x70	200	20483	M6x50	200
20437	M3x10	1000	20461	M5x8	1000	20484	M6x60	200
20438	M3x12	1000	20462	M5x10	1000	20485	M6x70	100
20439	M3x16	1000	20463	M5x12	1000	20486	M6x80	100
20440	M3x20	1000	20464	M5x16	1000	20487	M6x90	100
20441	M3x25	1000	20465	M5x20	1000	20488	M8x16	500
20442	M3x30	1000	20466	M5x25	500	20489	M8x20	200
20443	M3x35	1000	20467	M5x30	500	20490	M8x25	200
20444	M3x40	500	20468	M5x35	500	20491	M8x30	200
20445	M3x45	500	20469	M5x40	500	20492	M8x35	200
20446	M3x50	500	20470	M5x45	200	20493	M8x40	100
20447	M4x6	1000	19352	M5x50	200	20494	M8x45	100
20448	M4x8	1000	20471	M5x60	200	20495	M8x50	100
20449	M4x10	1000	20472	M5x70	200	20496	M8x60	100
20450	M4x12	1000	20473	M5x80	200	20497	M8x70	100
20451	M4x16	1000	20474	M6x10	1000	20498	M8x80	100
20452	M4x20	1000	20475	M6x12	1000	20499	M8x90	100
20453	M4x25	1000	20476	M6x16	500	20500	M8x100	100
20454	M4x30	500	20477	M6x20	500			
20455	M4x35	500	20478	M6x25	500			
20456	M4x40	500	20479	M6x30	500			
20457	M4x45	500	20480	M6x35	200			
20458	M4x50	500	20481	M6x40	200			

PAN HEAD CROSS RECESSED SCREWS PHILLIPS

DIN 7985, 4.8

Application

Perfect for bolted joints in the mechanical engineering, thanks to a simple access through Phillips slot and a metric thread.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
20364	M3x6	1000	20387	M4x60	200	20418	M6x60	200
20365	M3x8	1000	20388	M5x8	1000	20419	M6x70	100
20366	M3x10	1000	20389	M5x10	1000	20420	M6x80	100
20367	M3x12	1000	20390	M5x12	1000	20421	M6x90	100
20368	M3x16	1000	20391	M5x16	1000	20422	M8x12	500
20369	M3x20	1000	20392	M5x20	1000	20423	M8x16	500
20370	M3x25	1000	20393	M5x25	500	20424	M8x20	200
20371	M3x30	1000	20394	M5x30	500	20425	M8x25	200
20372	M3x35	1000	20397	M5x35	500	20426	M8x30	200
20373	M3x40	500	20398	M5x40	500	20427	M8x35	200
20374	M3x45	500	20399	M5x45	200	20428	M8x40	100
20375	M3x50	500	20400	M5x50	200	20429	M8x45	100
20376	M4x6	1000	20401	M5x60	200	20430	M8x50	100
13367	M4x8	1000	20402	M5x70	200	20431	M8x60	100
20377	M4x10	1000	20403	M6x10	1000	20432	M8x70	100
20378	M4x12	1000	20404	M6x12	1000	20433	M8x80	100
20379	M4x16	1000	20405	M6x16	500	20434	M8x90	100
20380	M4x20	1000	20406	M6x20	500			
20381	M4x25	1000	20407	M6x25	500			
20382	M4x30	500	20408	M6x30	500			
20383	M4x35	500	20409	M6x35	200			
20384	M4x40	500	20415	M6x40	200			
20385	M4x45	500	20416	M6x45	200			
20386	M4x50	500	20417	M6x50	200			

HEXAGON SOCKET COUNTERSUNK HEAD SCREWS

DIN 7991, 10.9

Application

Mostly used for bolted joints, with a difficult access when tightening. These screws are applied even in electronics and fine mechanics, thanks to a smaller head and a possibility of recessing. They are most often equipped with a hexagon socket.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
19259	M5x10	500	19285	M6x100	200	19312	M10x70	50
19260	M5x12	500	19286	M8x12	200	19313	M10x80	50
19261	M5x16	500	19287	M8x16	200	19314	M10x90	50
19262	M5x20	500	19288	M8x20	200	19315	M10x100	50
19263	M5x25	500	19290	M8x25	200	19316	M12x20	100
19264	M5x30	500	19291	M8x30	200	19318	M12x25	100
19265	M5x35	500	19292	M8x35	200	19319	M12x30	100
19266	M5x40	500	19293	M8x40	200	19320	M12x35	100
19267	M5x45	500	19294	M8x45	200	19321	M12x40	100
19268	M5x50	500	19295	M8x50	200	19322	M12x45	50
19269	M5x60	500	19296	M8x55	100	19323	M12x50	50
19270	M6x10	500	19297	M8x60	100	19324	M12x55	50
19271	M6x12	500	19298	M8x70	100	19325	M12x60	50
19272	M6x16	500	19299	M8x80	100	19326	M12x70	50
19273	M6x20	500	19300	M8x90	100	19327	M12x80	50
19274	M6x25	500	19301	M8x100	100	19328	M12x90	50
19275	M6x30	200	19302	M10x16	200	19329	M12x100	50
19276	M6x35	200	19303	M10x20	200			
19277	M6x40	200	19304	M10x25	200			
19278	M6x45	200	19305	M10x30	200			
19279	M6x50	200	19306	M10x35	100			
19280	M6x55	200	19307	M10x40	100			
19281	M6x60	200	19308	M10x45	100			
19282	M6x70	200	19309	M10x50	100			
19283	M6x80	200	19310	M10x55	100			
19284	M6x90	200	19311	M10x60	100			

PAN HEAD TAPPING SCREWS

DIN 7981C, FULL THREAD

Application

These screws belong to the group of self drilling screws, they are tapping while screwing. They are applied to install the construction parts such as sheet metal or soft materials (aluminium or copper). They are not suitable to fasten the moving parts.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
17436	2,2x4,5	2000	17463	3,9x32	500	17489	5,5x16	1000
17438	2,2x6,5	2000	17464	3,9x38	500	17490	5,5x19	500
17439	2,2x9,5	2000	17465	3,9x45	500	17491	5,5x22	500
17440	2,2x13	1000	17466	4,2x9,5	1000	17492	5,5x25	500
17441	2,9x6,5	2000	17467	4,2x13	1000	17493	5,5x32	500
17442	2,9x9,5	1000	17468	4,2x16	1000	17494	5,5x38	200
17443	2,9x13	1000	17469	4,2x19	1000	17495	5,5x45	200
17444	2,9x16	1000	17470	4,2x22	1000	17496	5,5x50	200
17445	2,9x19	1000	17471	4,2x25	1000	17497	5,5x60	200
17446	2,9x22	1000	17472	4,2x32	500	17498	5,5x70	200
17447	2,9x25	1000	17473	4,2x38	500	17499	6,3x16	500
17448	3,5x6,5	1000	17474	4,2x45	500	17500	6,3x19	500
17449	3,5x9,5	1000	17475	4,2x50	500	17501	6,3x22	500
17450	3,5x13	1000	17476	4,2x60	200	17502	6,3x25	500
17451	3,5x16	1000	17477	4,8x9,5	1000	17503	6,3x32	200
17452	3,5x19	1000	17478	4,8x13	1000	17504	6,3x38	200
17453	3,5x22	1000	17479	4,8x16	1000	17505	6,3x45	200
17454	3,5x25	1000	17480	4,8x19	500	17506	6,3x50	200
17455	3,5x32	500	17481	4,8x22	500	17507	6,3x60	200
17456	3,9x6,5	1000	17482	4,8x25	500	17508	6,3x80	200
17457	3,9x9,5	1000	17483	4,8x32	500	17509	6,3x100	100
17458	3,9x13	1000	17484	4,8x38	500			
17459	3,9x16	1000	17485	4,8x45	200			
17460	3,9x19	1000	17486	4,8x50	200			
17461	3,9x22	1000	17487	4,8x60	200			
17462	3,9x25	1000	17488	5,5x13	1000			

COUNTERSUNK HEAD TAPPING SCREWS

DIN 7982C, FULL THREAD

Application

These screws belong to the group of self drilling screws, they are tapping while screwing. They are applied to install the construction parts such as sheet metal or soft materials (aluminium or copper). They are not suitable to fasten the moving parts.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
17510	2,2x4,5	2000	17538	4,2x16	1000	17566	5,5x50	200
17511	2,2x6,5	2000	17539	4,2x19	1000	17567	5,5x60	200
17512	2,2x9,5	2000	17540	4,2x22	1000	17568	6,3x16	500
17513	2,2x13	1000	17541	4,2x25	1000	17569	6,3x19	500
17514	2,2x16	1000	17542	4,2x32	500	17570	6,3x22	500
17515	2,9x9,5	1000	17543	4,2x38	500	17571	6,3x25	500
17516	2,9x13	1000	17544	4,2x45	500	17572	6,3x32	200
17517	2,9x16	1000	17545	4,2x50	500	17573	6,3x38	200
17518	2,9x19	1000	17546	4,2x60	200	17574	6,3x45	200
17519	2,9x22	1000	17547	4,2x70	200	17575	6,3x50	200
17520	2,9x25	1000	17548	4,8x13	1000	17576	6,3x60	200
17521	2,9x32	1000	17549	4,8x16	1000	17577	6,3x80	200
17522	3,5x9,5	1000	17550	4,8x19	500	17578	6,3x100	100
17523	3,5x13	1000	17551	4,8x22	500			
17524	3,5x16	1000	17552	4,8x25	500			
17525	3,5x19	1000	17553	4,8x32	500			
17526	3,5x22	1000	17554	4,8x38	500			
17527	3,5x25	1000	17555	4,8x45	200			
17528	3,5x32	500	17556	4,8x50	200			
17529	3,5x38	500	17557	4,8x60	200			
17530	3,9x13	1000	17558	4,8x70	200			
17531	3,9x16	1000	17559	5,5x16	1000			
17532	3,9x19	1000	17560	5,5x19	500			
17533	3,9x22	1000	17561	5,5x22	500			
17534	3,9x25	1000	17562	5,5x25	500			
17535	3,9x32	500	17563	5,5x32	500			
17536	3,9x38	500	17564	5,5x38	200			
17537	4,2x13	1000	17565	5,5x45	200			

SELF DRILLING SCREWS HEXAGON WASHER HEAD

DIN 7504K

Application

These screws tap while screwing, thanks to a special predrilling tip and a sharp thread. Therefore they are very popular not only in the industry, but also by craftsmen. Self drilling screws are an optimal solution especially for thinner and relatively softer materials such as sheet metal or aluminium profiles.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
16464	3,5x9,5	1000	16495	4,8x16	1000	16521	6,3x38	200
16470	3,5x13	1000	16496	4,8x19	500	16522	6,3x45	200
16471	3,5x16	1000	16497	4,8x22	500	16523	6,3x50	200
16472	3,5x19	1000	16498	4,8x25	500	16524	6,3x60	100
16473	3,5x22	1000	16499	4,8x32	500	16525	6,3x70	100
16474	3,5x25	1000	16500	4,8x38	500	16526	6,3x80	100
16475	3,9x9,5	1000	16501	4,8x45	200	16527	6,3x90	100
16476	3,9x13	1000	16502	4,8x50	200	16528	6,3x100	100
16477	3,9x16	1000	16503	4,8x60	200	16529	6,3x110	100
16478	3,9x19	1000	16504	4,8x70	200	16530	6,3x120	100
16479	3,9x22	1000	16505	4,8x80	200	14633	6,3x150	100
16480	3,9x25	1000	16506	4,8x90	100			
16481	3,9x32	500	16507	4,8x100	100			
16482	3,9x38	500	16508	5,5x25	500			
16483	3,9x45	500	16509	5,5x32	500			
16484	3,9x50	500	16510	5,5x38	200			
16485	4,2x13	1000	16511	5,5x45	200			
16486	4,2x16	1000	16512	5,5x50	200			
16487	4,2x19	1000	16513	5,5x60	200			
16488	4,2x22	1000	16514	5,5x70	200			
16489	4,2x25	1000	16515	5,5x80	200			
16490	4,2x32	500	16516	5,5x90	100			
16491	4,2x38	500	16517	5,5x100	100			
16492	4,2x45	500	16518	6,3x22	500			
16493	4,2x50	500	16519	6,3x25	500			
16494	4,8x13	1000	16520	6,3x32	200			

SELF DRILLING SCREWS PAN HEAD

DIN 7504N

Application

These screws tap while screwing, thanks to a special predrilling tip and a sharp thread. Therefore they are very popular not only in the industry, but also by craftsmen. Self drilling screws are an optimal solution especially for thinner and relatively softer materials such as sheet metal or aluminium profiles.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
16531	3,5x9,5	1000	16555	4,8x13	1000	16583	6,3x32	200
14628	3,5x13	1000	16556	4,8x16	1000	16584	6,3x38	200
14627	3,5x16	1000	16557	4,8x19	500	16585	6,3x45	200
16532	3,5x19	1000	16558	4,8x22	500	16586	6,3x50	200
16533	3,5x22	1000	14631	4,8x25	500	16587	6,3x60	100
16534	3,5x25	1000	16559	4,8x32	500	16588	6,3x70	100
16535	3,5x32	500	16560	4,8x38	500	16589	6,3x80	100
16536	3,9x9,5	1000	16561	4,8x45	200	16590	6,3x90	100
16537	3,9x13	1000	16562	4,8x50	200	16591	6,3x100	100
16538	3,9x16	1000	16563	4,8x60	200	16592	6,3x110	100
16539	3,9x19	1000	16564	4,8x70	200	16593	6,3x120	100
16540	3,9x22	1000	16565	4,8x80	200	16594	6,3x150	100
16541	3,9x25	1000	16566	4,8x90	100			
16542	3,9x32	500	16567	4,8x100	100			
16543	3,9x38	500	16568	5,5x25	500			
16544	3,9x45	500	16569	5,5x32	500			
16545	3,9x50	500	16570	5,5x38	200			
14629	4,2x13	1000	16571	5,5x45	200			
14630	4,2x16	1000	16572	5,5x50	200			
16548	4,2x19	1000	16573	5,5x60	200			
16549	4,2x22	1000	16574	5,5x70	200			
16550	4,2x25	1000	16575	5,5x80	200			
16551	4,2x32	500	16576	5,5x90	100			
16552	4,2x38	500	16577	5,5x100	100			
16553	4,2x45	500	16581	6,3x22	500			
16554	4,2x50	500	16582	6,3x25	500			

SELF DRILLING SCREWS COUNTERSUNK HEAD

DIN 7504P

Application

These screws tap while screwing, thanks to a special predrilling tip and a sharp thread. Therefore they are very popular not only in the industry, but also by craftsmen. Self drilling screws are an optimal solution especially for thinner and relatively softer materials such as sheet metal or aluminium profiles.



FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
16595	3,5x9,5	1000	16621	4,8x16	1000	16647	6,3x38	200
16596	3,5x13	1000	16622	4,8x19	500	16648	6,3x45	200
16597	3,5x16	1000	16623	4,8x22	500	16649	6,3x50	200
16598	3,5x19	1000	16624	4,8x25	500	16650	6,3x60	100
16599	3,5x22	1000	16625	4,8x32	500	14632	6,3x70	100
16600	3,5x25	1000	16626	4,8x38	500	16651	6,3x80	100
16601	3,9x6,5	1000	16627	4,8x45	200	16652	6,3x90	100
16602	3,9x13	1000	16628	4,8x50	200	16653	6,3x100	100
16603	3,9x16	1000	16629	4,8x60	200	16654	6,3x110	100
16604	3,9x19	1000	16630	4,8x70	200	16655	6,3x120	100
16605	3,9x22	1000	16631	4,8x80	200	16656	6,3x150	100
16606	3,9x25	1000	16632	4,8x90	100			
16607	3,9x32	500	16633	4,8x100	100			
16608	3,9x38	500	16634	5,5x25	500			
16609	3,9x45	500	16635	5,5x32	500			
16610	3,9x50	500	16636	5,5x38	200			
16611	4,2x13	1000	16637	5,5x45	200			
16612	4,2x16	1000	16638	5,5x50	200			
16613	4,2x19	1000	16639	5,5x60	200			
16614	4,2x22	1000	16640	5,5x70	200			
16615	4,2x25	1000	16641	5,5x80	200			
16616	4,2x32	500	16642	5,5x90	100			
16617	4,2x38	500	16643	5,5x100	100			
16618	4,2x45	500	16644	6,3x22	500			
16619	4,2x50	500	16645	6,3x25	500			
16620	4,8x13	1000	16646	6,3x32	200			

LIFTING EYE BOLTS

DIN 580

Application

These bolts are forged of steel class C15 and are provided with a metric thread. They are mostly used to lift the machines and devices, or to lift other objects that cannot be lifted manually or by a fork lift.



FeZn | white galvanized

Art. No.	Size	pcs/box
19085	M6	1
19084	M8	1
19086	M10	1
19087	M12	1
19088	M14	1
19089	M16	1
19090	M20	1
19091	M24	1
19092	M30	1



HEXAGON SOCKET BUTTON HEAD SCREWS

ISO 7380 (without collar)

ISO 7380-2FL (with collar)

Application

The ISO 7380 high-strength screws/bolts with a button head and hexagon socket are provided with a metric thread along the whole length of the shaft. They are good for screw/bolt connections in mechanical engineering and modelling.



FeZn | white galvanized

ISO 7380 (without collar)

Art. No.	Size	pcs/box
21486	M3x6	1000
21487	M3x8	1000
21488	M3x10	1000
21479	M4x6	1000
21480	M4x8	1000
21481	M4x10	1000
21482	M4x12	1000
21483	M4x16	1000
21484	M4x20	1000
21485	M4x25	1000
21489	M5x8	1000
21490	M5x10	1000
21491	M5x12	1000
21492	M5x16	1000
21493	M5x20	1000
21494	M5x25	1000
21495	M5x30	1000
21496	M5x40	500
21497	M6x8	500
21498	M6x10	500
21499	M6x12	500
21500	M6x16	500
21501	M6x20	500
21502	M6x25	500
21503	M6x30	500
21504	M6x35	200
21505	M6x40	200
21506	M6x50	200
21507	M8x12	200
21508	M8x16	200

Art. No.	Size	pcs/box
21509	M8x20	200
21510	M8x25	200
21511	M8x30	200
21512	M8x35	200
21513	M8x40	200
21514	M8x45	200
21515	M8x50	200
21516	M8x60	200
21517	M10x16	200
21518	M10x20	200
21519	M10x25	200
21520	M10x30	200
21521	M10x35	100
21522	M10x40	100
21523	M10x45	100
21524	M10x50	100
21525	M10x60	100
21526	M10x70	100
21527	M10x80	100
21528	M12x20	100
21529	M12x25	100
21530	M12x30	100
21531	M12x35	100
21532	M12x40	100
21533	M12x45	100
21534	M12x50	100
21535	M12x60	100
21536	M12x70	50
21537	M12x80	50

ISO 7380-2FL (with collar)

Art. No.	Size	pcs/box
21567	M4x8	1000
21566	M4x10	1000
21568	M4x12	1000
21569	M4x16	1000
21570	M4x20	1000
21571	M4x25	1000
21572	M4x30	1000
21573	M5x10	1000
21574	M5x12	1000
21575	M5x16	1000
21576	M5x20	1000
21577	M5x25	1000
21578	M5x30	1000
21579	M5x35	1000
21581	M6x10	500
21582	M6x12	500
21583	M6x16	500
21584	M6x20	500
21585	M6x25	500
21586	M6x30	500
21587	M6x35	200
21588	M6x40	200
21589	M6x50	200
21590	M8x12	200
21591	M8x16	200
21592	M8x20	200
21593	M8x25	200
21594	M8x30	200
21595	M8x35	200
21596	M8x40	200

Art. No.	Size	pcs/box
21597	M8x50	200
21598	M8x60	200
21600	M10x20	200
21602	M10x30	200
21603	M10x35	100
21604	M10x40	100
21605	M10x50	100
21609	M12x20	100
21610	M12x25	100
21611	M12x30	100
21613	M12x40	100
21614	M12x50	100
21615	M12x60	100

THREADED RODS

DIN 975, 4.8

Application

Most often used fastener, applied not only to connect the components of roofing and building structures, but also to anchor the machines. For these purposes they are usually used along with chemical anchors. Strength class is marked with RAL color corresponding to ISO standard.



FeZn | white galvanized

Art. No.	Size	Length/mm	pcs/box
21352	M4	1000	200
7971	M5	1000	100
7694	M6	1000	100
7809	M8	1000	50
7766	M10	1000	25
7695	M12	1000	20
7696	M14	1000	20
7697	M16	1000	10
7872	M18	1000	10
7810	M20	1000	5
13436	M22	1000	5
7728	M24	1000	5
13437	M27	1000	3
7785	M30	1000	2

Art. No.	Size	Length/mm	pcs/box
11377	M6	2000	100
11327	M8	2000	50
11328	M10	2000	25
11378	M12	2000	20
11379	M14	2000	20
11380	M16	2000	10
11381	M18	2000	10
11382	M20	2000	5



No surface treatment

Art. No.	Size	Length/mm	pcs/box
14425	M5	1000	100
14426	M6	1000	100
14427	M8	1000	50
7698	M10	1000	25
7699	M12	1000	20
14428	M14	1000	20
7700	M16	1000	10
14429	M18	1000	10
14430	M20	1000	5
14431	M22	1000	5
13384	M24	1000	5
14432	M27	1000	3
14437	M30	1000	2

DIN 975, 8.8

Application

Most often used fastener, applied not only to connect the components of roofing and building structures, but also to anchor the machines. For these purposes they are usually used along with chemical anchors. Strength class 8.8 is applied in more stressed joints.

FeZn | white galvanized

Art. No.	Size	Length/mm	pcs/box
12405	M5	1000	100
12406	M6	1000	100
12407	M8	1000	50
12408	M10	1000	25
12409	M12	1000	20
12410	M14	1000	20

Art. No.	Size	Length/mm	pcs/box
12411	M16	1000	10
12412	M18	1000	10
12413	M20	1000	5
12414	M24	1000	5
12415	M30	1000	3



THREADED RODS

DIN 975, 10.9

Application

Most often used fastener, applied not only to connect the components of roofing and building structures, but also to anchor the machines. For these purposes they are usually used along with chemical anchors.

No surface treatment

Art. No.	Size	Length/ mm	pcs/ box	Art. No.	Size	Length/ mm	pcs/ box
19022	M5	1000	100	19030	M20	1000	5
19023	M6	1000	100	19031	M22	1000	5
19024	M8	1000	50	19032	M24	1000	5
19025	M10	1000	25	19033	M27	1000	3
19026	M12	1000	20	19034	M30	1000	2
19027	M14	1000	20				
19028	M16	1000	10				
19029	M18	1000	10				



DIN 975, 12.9

Application

Most often used fastener, applied not only to connect the components of roofing and building structures, but also to anchor the machines. For these purposes they are usually used along with chemical anchors.

No surface treatment

Art. No.	Size	Length/ mm	pcs/ box	Art. No.	Size	Length/ mm	pcs/ box
19536	M6	1000	100	19542	M18	1000	10
19537	M8	1000	50	19543	M20	1000	5
19538	M10	1000	25	19544	M24	1000	5
19539	M12	1000	20	19545	M30	1000	2
19540	M14	1000	20				
19541	M16	1000	10				



THREADED RODS STAINLESS STEEL

DIN 975, A2

Application

Most often used fastener, applied not only to connect the components of roofing and building structures, but also to anchor the machines. For these purposes they are usually used along with chemical anchors.

Stainless steel | AISI 304, A2

Art. No.	Size	Length/ mm	pcs/ box	Art. No.	Size	Length/ mm	pcs/ box
14491	M6	1000	100	14495	M14	1000	20
14492	M8	1000	50	14496	M16	1000	10
14493	M10	1000	25	14497	M18	1000	10
14494	M12	1000	20	14498	M20	1000	5



WASHERS FOR WOOD CONSTRUCTION

DIN 440

Application

Round washer for wood construction strength 4.8.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
7972	M5	1000	7774	M20	50
7771	M6	1000	14876	M22	25
7772	M8	500	7720	M24	25
7773	M10	200	14877	M27	20
7706	M12	200	7973	M30	20
7707	M14	100			
7727	M16	100			
7889	M18	50			



SPRING LOCK WASHERS

DIN 127B

Application

Mostly to avoid the nut to become loose on the bolt. The washer has a rectangular section.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
13180	M4	5000	13187	M18	300
13181	M5	2000	13188	M20	200
13182	M6	2000	14878	M22	200
13179	M8	1000	13189	M24	100
13183	M10	1000	14879	M27	100
13184	M12	500			
13185	M14	500			
13186	M16	500			



FLAT WASHERS

DIN 125

Application

Classic and the most popular washers.

FeZn | white galvanized

Art. No.	Size	pcs/box
21397	M4	2000
12615	M5	2000
12616	M6	2000
11383	M8	1000
11384	M10	1000
11718	M12	500
12617	M14	500
12618	M16	300

Art. No.	Size	pcs/box
12619	M18	200
12620	M20	200
14874	M22	100
12621	M24	100
14875	M27	100
12622	M30	100



SERRATED LOCK WASHERS

DIN 6798A

Application

They are used as active locking elements that sink its sharp edges to the surface of connected materials while tightening the bolts or nuts.

FeZn | white galvanized

Art. No.	Size	pcs/box
13368	M4	3000
13990	M5	2000
13991	M6	2000
13992	M8	1000
13993	M10	1000
13994	M12	1000

Art. No.	Size	pcs/box
13997	M14	500
13998	M16	500
13999	M18	200
14000	M20	200
14001	M24	100



UNDER RIVET WASHERS

DIN 9021

Application

Mostly applied at wooden constructions, and also where needed that the nut or a head of the bolt, or a head of the rivet, etc., does not penetrate deeper to underlying material (mostly soft wood) and thus damages it the unwanted way. Outer diameters of the washers are sufficiently big in order to spread out the pressure on the underlying material.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
21396	M4	2000	13913	M14	150
13909	M5	1000	7777	M16	100
13666	M6	1000	13915	M20	100
13910	M8	500	13916	M24	50
13911	M10	400	7783	M30	25
13912	M12	200			



UNDER RIVET WASHERS

STAINLESS STEEL A2 (AISI304)

Application

Mostly applied at wooden constructions, and also where needed that the nut or a head of the bolt, or a head of the rivet, etc., does not penetrate deeper to underlying material (mostly soft wood) and thus damages it the unwanted way. Outer diameters of the washers are sufficiently big in order to spread out the pressure on the underlying material.

Stainless steel | A2

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
15396	M6	1000	15400	M14	150
15397	M8	500	15401	M16	100
15398	M10	400	15402	M18	100
15399	M12	200	15403	M20	100



SPRING WASHERS

DIN 137 B

Application

These washers serve as a powerful locking of bolted joints. They are used for the bolts of shorter lengths and for lower strength classes, especially in places where the vibration or shock could result in loosening the bolted joint.

FeZn | white galvanized

Art. No.	Size	pcs/box
20711	M5	2000
20712	M6	2000
20713	M8	1000
20714	M10	800
20715	M12	500
20716	M14	300
20717	M16	200
20718	M18	150
20719	M20	100
20720	M24	50



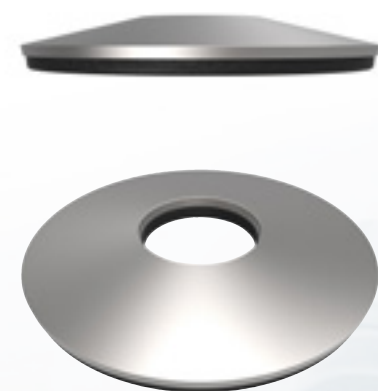
EPDM BONDED WASHERS

Application

They are applied to install the roofing by means of screws or self drilling screws TEX.

FeZn | white galvanized

Art. No.	Size	pcs/box
14880	M4x14	800
14881	M4x16	500
14882	M5x14	800
14883	M5x16	500
14884	M6x16	500
14885	M6x19	400
14886	M6x25	200
14887	M8x19	400
14888	M8x25	200



HEXAGON NUTS

DIN 934, 8

Application

Metric nuts offer wide options of application, for example bolted joints, or along with threaded rods or bolted anchors to anchor beams, machines or other devices.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
13222	M5	2000	13234	M20	50
13227	M6	1000	13235	M22	50
13228	M8	500	13236	M24	50
13229	M10	200	13237	M27	25
13230	M12	200	13238	M30	25
13231	M14	200			
13232	M16	100			
13233	M18	100			



STAINLESS STEEL A2 (AISI304)

Application

Metric nuts offer wide options of application, for example bolted joints, or along with threaded rods or bolted anchors to anchor beams, machines or other devices.

Stainless steel | A2

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
13897	M5	100	15393	M16	100
15388	M6	100	15394	M18	100
15389	M8	100	15395	M20	100
15390	M10	100			
15391	M12	100			
15392	M14	100			



HEXAGON COUPLING NUTS

DIN 6334, 6

Application

Can be used for mutual connection and extension of bolted joints, threaded rods, etc. These nuts are also often used as so called spacers. They are of strength 5.8.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
13627	M5x15	500	13633	M16x48	25
13628	M6x18	200	13634	M20x60	20
13629	M8x24	100	13635	M24x72	15
13630	M10x30	50			
13631	M12x36	50			
13632	M14x42	50			



NUTS

HEXAGON CASTLE NUTS

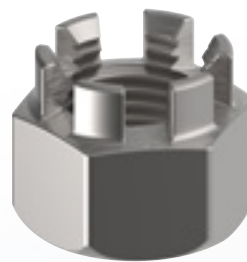
DIN 935, 6

Application

The washer is used in joint with a split pin DIN 94 to shape lock the bolted joint.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
20353	M6	1000	20357	M14	100
20354	M8	500	20358	M16	50
20355	M10	200	20359	M20	25
20356	M12	150	20360	M24	25



HEXAGON SELF LOCKING NYLON NUTS

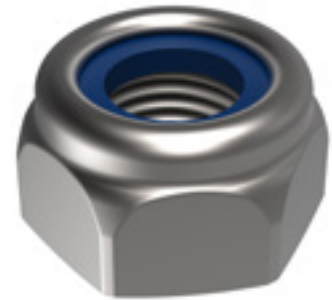
DIN 985, 6

Application

By using this nut the joint becomes protected and also covered. The nuts are also often used for aesthetic reasons, the view of the joint ended with this nut is visually much more acceptable than a view of the joint ended with a common type of the nut as for example DIN 934. They are of strength 6.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
13637	M5	1000	13643	M16	100
13638	M6	1000	13644	M18	50
13639	M8	500	13645	M20	50
13640	M10	200	13646	M24	25
13641	M12	100			
13642	M14	100			



HEXAGON DOMED CAP NUTS

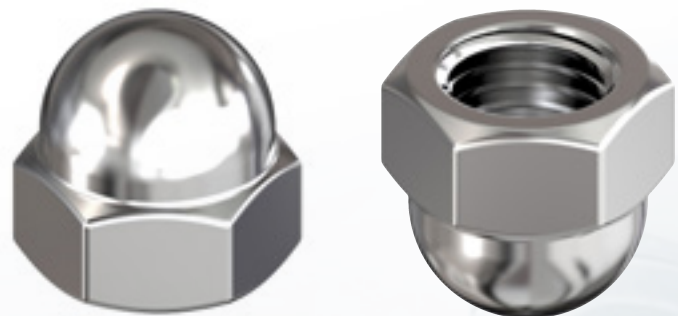
DIN 1587, 6

Application

By using this nut the joint becomes protected and also covered. The nuts are also often used for aesthetic reasons, the view of the joint ended with this nut is visually much more acceptable than a view of the joint ended with a common type of the nut as for example DIN 934. They are of strength 6.

FeZn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
13619	M5	1000	13623	M12	150
13620	M6	1000	13624	M14	100
13621	M8	500	13625	M16	50
13622	M10	200	13626	M20	25



HEXAGON FLANGE NUTS WITH SERRATION

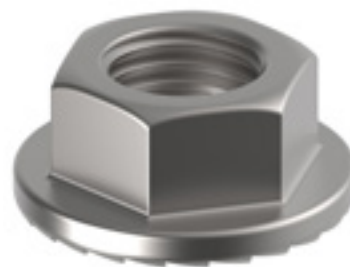
DIN 6923, 8

Application

Nuts are applied to make an easy lock of bolted joint. The serration at the bottom part of the flange sinks to material surface and avoids the nut to become loose.

FeZn | white galvanized

Art. No.	Size	pcs/ box	Art. No.	Size	pcs/ box	Art. No.	Size	pcs/ box
19042	M4	2000	18697	M10	100	18701	M20	30
18694	M5	1000	18698	M12	100			
18695	M6	500	18699	M14	50			
18696	M8	250	18700	M16	30			



LIFTING EYE NUTS

DIN 582

Application

These nuts are forged of steel class C15 and are provided with a metric thread. They are mostly used to lift the machines and devices, or to lift other objects that cannot be lifted manually or by a fork lift.

FeZn | white galvanized

Art. No.	Size	pcs/ box	Art. No.	Size	pcs/ box	Art. No.	Size	pcs/ box
19078	M6	25	19081	M14	10	16384	M30	2
19077	M8	25	19082	M16	10			
19079	M10	25	15896	M20	5			
19080	M12	20	19083	M24	5			



WING NUTS

DIN 315

Application

Mostly used in places where it is necessary to simply and repeatedly disassemble the bolted joint without the need for tools.

FeZn | white galvanized

Art. No.	Size	pcs/ box	Art. No.	Size	pcs/ box
14937	M5	500	14940	M12	50
14016	M6	300	14941	M14	25
14938	M8	250	14942	M16	25
14939	M10	150	14943	M20	20



HOOK-HOOK TURNBUCKLES

DIN 1480

Application

The DIN 1480 turnbuckles are used for tensioning steel and textile ropes, cords and chains. They can also be used for binding various building structures, scaffoldings, fences, etc. together.

Zn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
19413	M5	1	19428	M14	1
19416	M6	1	19431	M16	1
19419	M8	1	19434	M20	1
19422	M10	1	19437	M24	1
19425	M12	1			



EYE-HOOK TURNBUCKLES

DIN 1480

Application

The DIN 1480 turnbuckles are used for tensioning steel and textile ropes, cords and chains. They can also be used for binding various building structures, scaffoldings, fences, etc. together.

Zn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
19414	M5	1	19429	M14	1
19417	M6	1	19432	M16	1
19420	M8	1	19435	M20	1
19423	M10	1	19438	M24	1
19426	M12	1			



EYE-EYE TURNBUCKLES

DIN 1480

Application

The DIN 1480 turnbuckles are used for tensioning steel and textile ropes, cords and chains. They can also be used for binding various building structures, scaffoldings, fences, etc. together.

Zn | white galvanized

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
19415	M5	1	19430	M14	1
19418	M6	1	19433	M16	1
19421	M8	1	19436	M20	1
19424	M10	1	19439	M24	1
19427	M12	1			



BLIND RIVETS FLAT HEAD

DIN 7337

Application

A rivet is a connecting element used for joints that cannot be dismantled. A blind rivet consists of a mandrel and of a hollow rivet body. Each of these parts can be made of different material. Blind rivets are used for connecting thin-walled materials (e.g. sheet metal) using rivet pliers. The advantage of using blind rivets (pop rivets) is the fact that you do not need access to the other side of the material, or you cannot see the other side of the material.



AlSt | aluminium/steel

Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box	Art. No.	Size	pcs/box
21661	3x5	500	21671	3,2x12	500	21680	4x30	250	21688	4,8x25	200	21696	5x25	200
21663	3x6	500	21672	3,2x16	500	21681	4x35	250	21689	4,8x30	200	21697	5x30	200
21664	3x8	500	21673	4x6	500	21682	4,8x6	500	21690	4,8x35	200	21698	6x10	250
21665	3x10	500	21674	4x8	500	21683	4,8x8	500	21691	5x8	500	21699	6x12	250
21666	3x12	500	21675	4x10	500	21684	4,8x10	500	21692	5x10	500	21700	6x16	250
21667	3x16	500	21676	4x12	500	21685	4,8x12	500	21693	5x12	250	21701	6x20	200
21668	3,2x6	500	21677	4x16	500	21686	4,8x16	250	21694	5x16	250	21702	6x25	200
21669	3,2x8	500	21678	4x20	500	21687	4,8x20	250	21695	5x20	250	21703	6x30	200
21670	3,2x10	500	21679	4x25	250									

BLIND RIVETS LARGE HEAD

Application

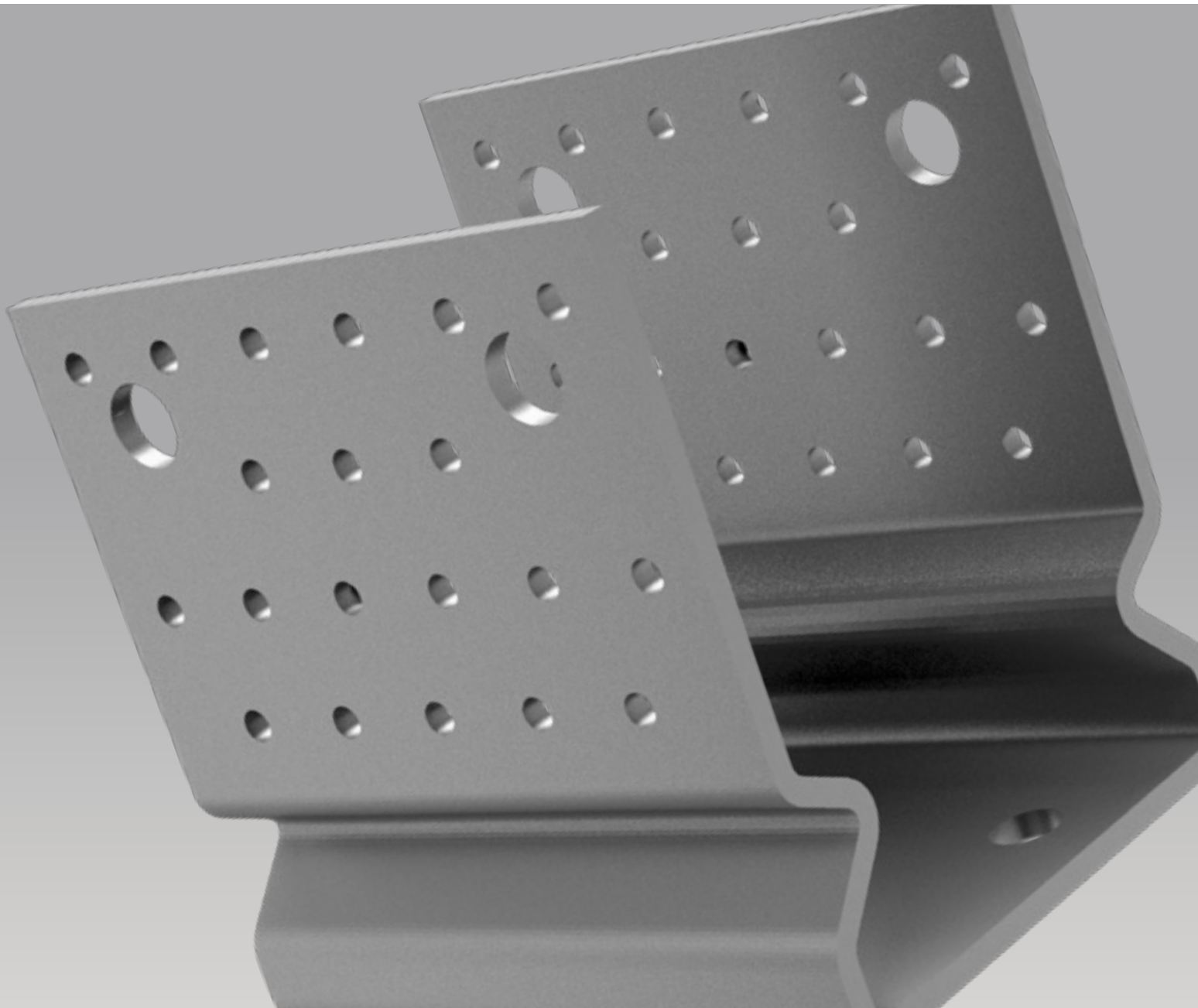
A rivet is a connecting element used for joints that cannot be dismantled. A blind rivet consists of a mandrel and of a hollow rivet body. Each of these parts can be made of different material. Blind rivets are used for connecting thin-walled materials (e.g. sheet metal) using rivet pliers. The advantage of using blind rivets is the fact that you do not need access to the other side of the material, or you cannot see the other side of the material.



AlSt | aluminium/steel

Art. No.	Size	Head	pcs/box	Art. No.	Size	Head	pcs/box
22787	3,2x8	10	500	22796	4x20	12	250
22788	3,2x10	10	500	22797	4,8x10	14	250
22789	3,2x12	10	500	22798	4,8x12	14	250
22790	3,2x16	10	500	22799	4,8x14	14	250
22791	4x8	12	500	22800	4,8x16	14	250
22792	4x10	12	500	22801	4,8x20	14	200
22793	4x12	12	250	22802	4,8x25	14	150
22794	4x14	12	250	22803	4,8x30	14	150
22795	4x16	12	250	22804	4,8x35	14	100



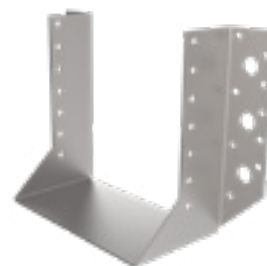
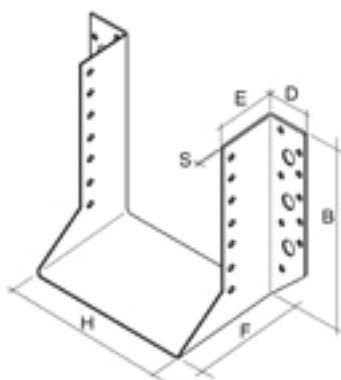
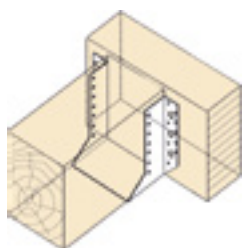


TIMBER CONNECTORS

- Timber connectors
- Fence Post Spike Anchors | Ground Screws



JOIST HANGER TYPE 1



Art. No.	Sizes (HxB)	Thickness (S)
14337	40x64	2,0
14338	40x100	2,0
24002	40x120	2,0
14455	50x90	2,0
24003	50x125	2,0
23397	50x135	2,0
24004	60x80	2,0
7976	60x100	2,0
7817	60x120	2,0
24005	60x160	2,0

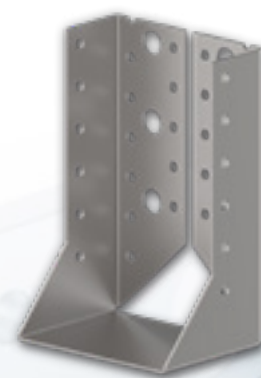
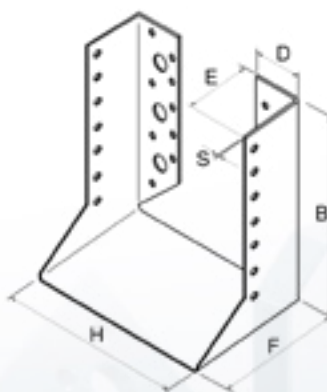
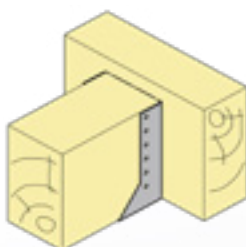
Art. No.	Sizes (HxB)	Thickness (S)
24010	60x190	2,0
7006	80x80	2,0
7818	80x100	2,0
7819	80x120	2,0
7820	80x140	2,0
23398	80x150	2,0
12537	80x200	2,0
7007	100x100	2,0
7822	100x120	2,0
7823	100x140	2,0

Art. No.	Sizes (HxB)	Thickness (S)
7824	100x160	2,0
24006	100x200	2,0
7008	120x120	2,0
7825	120x140	2,0
7826	120x160	2,0
7009	140x140	2,0
24007	140x160	2,0
12650	160x160	2,0



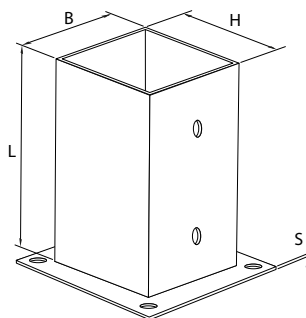
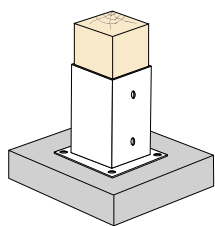
JOIST HANGER TYPE 2

Art. No.	Sizes (HxB)	Thickness (S)
9803	80x80	2,0
9804	80x100	2,0
9806	80x140	2,0
9807	80x160	2,0
9176	100x100	2,0
9808	100x120	2,0
9810	120x120	2,0
9813	140x140	2,0
14372	160x160	2,0



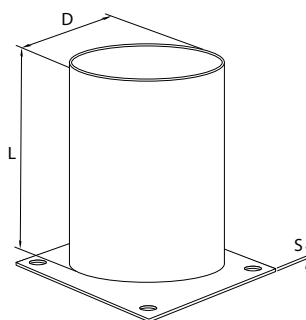
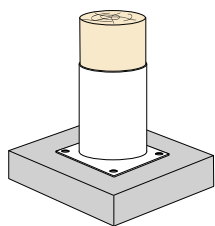
POST HOLDER FOR SQUARE TIMBER

Art. No.	Sizes (HxBxL)	Thickness (S)
7489	90x90x150	2,0
7490	100x100x150	2,0



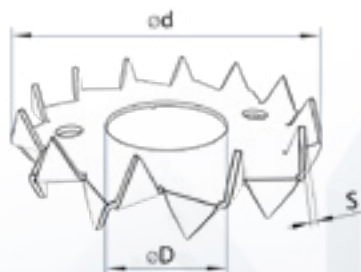
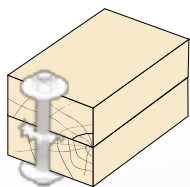
POST HOLDER FOR ROUND TIMBER

Art. No.	Sizes (HxBxL)	Thickness (S)
7492	100X150	2,0

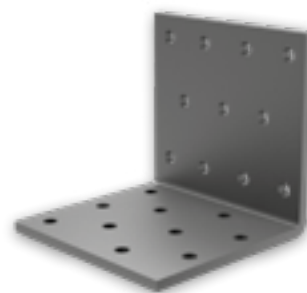
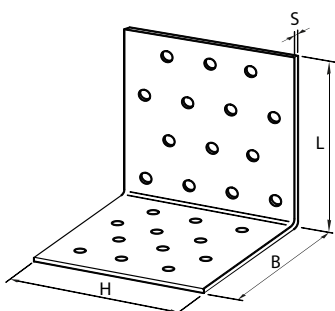
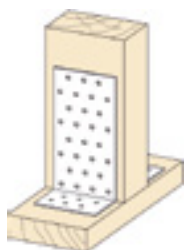


PRESS-IN TIMBER CONNECTOR

Art. No.	Sizes (HxBxL)	Thickness (S)
7485	50x17	1,0
7486	75x23	1,3
7487	95x36	1,5



ANGLE BRACKET 90° TYPE 1



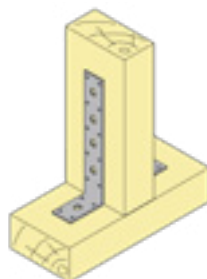
Art. No.	Sizes (HxBxL)	Thickness (S)
13162	30x40x40	2,0
7322	40x40x40	2,0
7010	40x60x60	2,0
7013	40x80x80	2,0
7018	40x100x100	2,5
10628	40x120x120	2,0

Art. No.	Sizes (HxBxL)	Thickness (S)
7023	60x40x40	2,0
7011	60x60x60	2,0
7014	60x80x80	2,0
14279	60x100x100	2,5
10626	80x40x40	2,0
7012	80x60x60	2,0

Art. No.	Sizes (HxBxL)	Thickness (S)
7015	80x80x80	2,0
14280	80x100x100	2,5
14263	100x40x40	2,0
7016	100x80x80	2,5
14363	100x100x100	2,0
7017	120x80x80	2,5

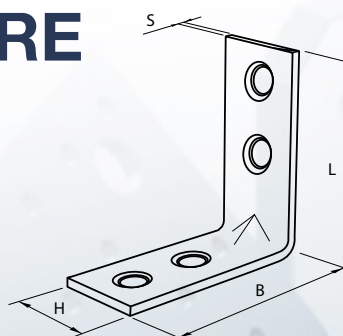
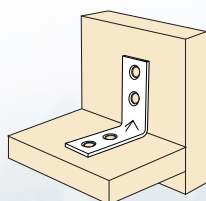
ANGLE BRACKET 90° TYPE 3

Art. No.	Sizes (HxBxL)	Thickness (S)
10638	80x40x60	3,0
10640	120x40x60	3,0
10641	160x40x60	3,0
10643	200x40x60	3,0
14360	240x40x60	3,0

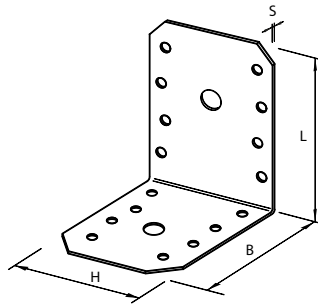
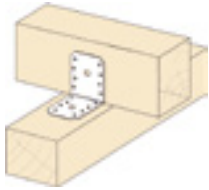


REINFORCED ANGLE BRACKET 90° TYPE 4 FOR FURNITURE

Art. No.	Sizes (HxBxL)	Thickness (S)
7484	16x35x35	1,5



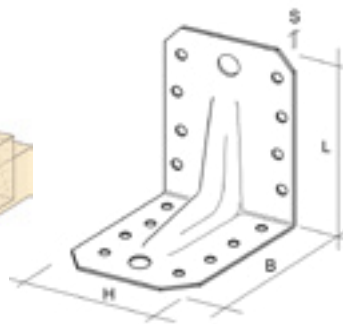
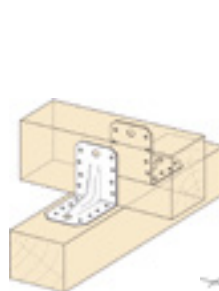
ANGLE BRACKET 90° TYPE 4



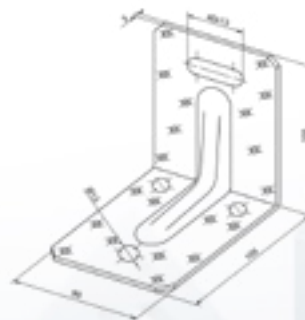
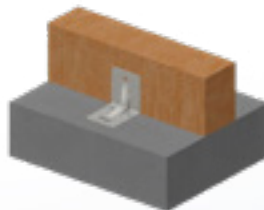
Art. No.	Sizes (HxBxL)	Thickness (S)
7025	55x70x70	2,0
7028	65x90x90	2,5
7029	90x105x105	3,0

REINFORCED ANGLE BRACKET 90° TYPE 4

Art. No.	Sizes (HxBxL)	Thickness (S)
13873	35x50x50	2,0
11030	45x60x60	2,0
7024	55x70x70	2,0
7026	65x90x90	2,5
7027	90x105x105	3,0



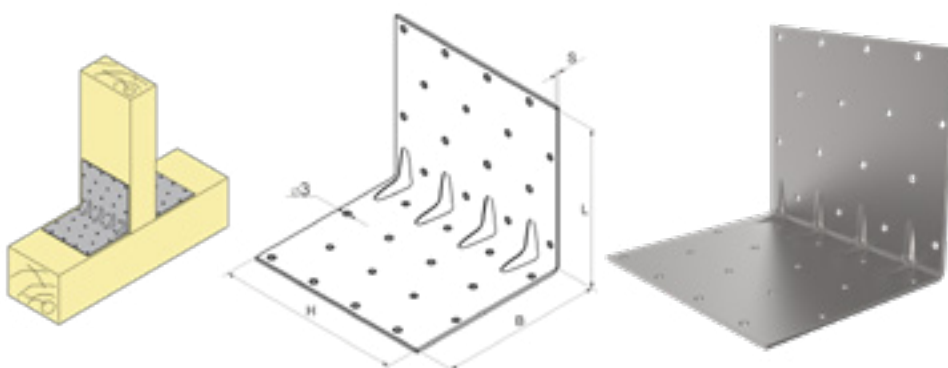
Art. No.	Sizes (HxBxL)	Thickness (S)
10465	90x105x105	3,0 groove



REINFORCED ANGLE BRACKET 90° TYPE 5

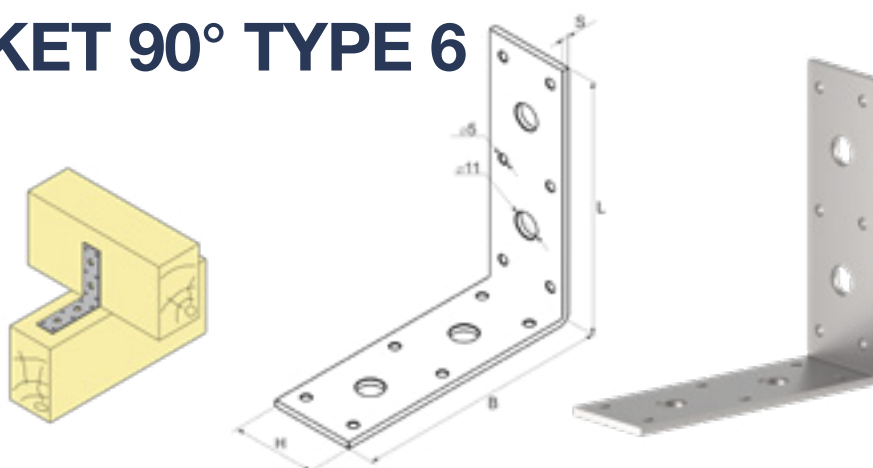


Art. No.	Sizes (HxBxL)	Thickness (S)
7466	30x35x35	1,5
10629	30x70x70	1,5
7470	40x53x53	1,5
10630	50x53x53	1,5
7469	50x70x70	1,5
7467	70x35x35	1,5
10633	80x70x70	1,5
10635	90x53x53	1,5
7468	100x53x53	1,5
7471	120x35x35	1,5
7472	140x53x53	1,5



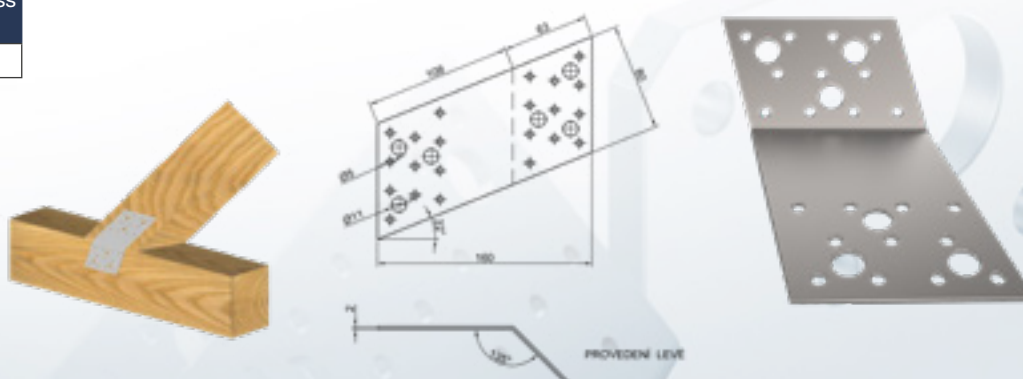
ANGLE BRACKET 90° TYPE 6

Art. No.	Sizes (HxBxL)	Thickness (S)
10648	40x70x70	3,0
10649	40x110x110	3,0
14326	40x150x150	3,0



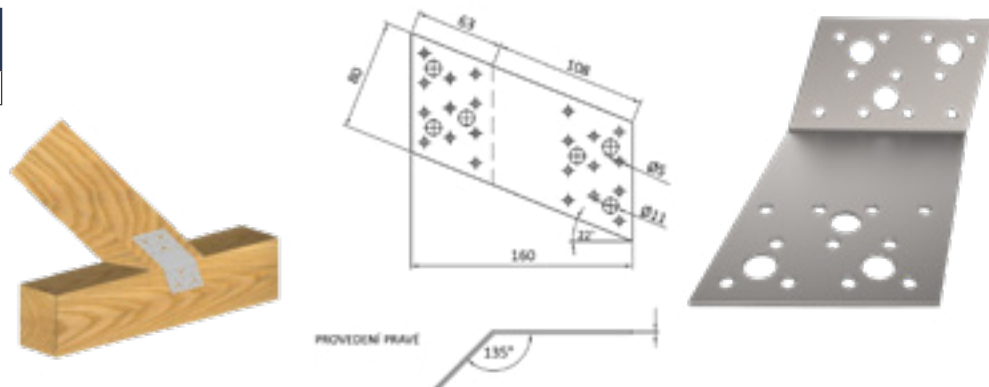
ANGLE BRACKET 135° LEFT

Art. No.	Sizes (HxBxL)	Thickness (S)
14802	80x63x108	2,0



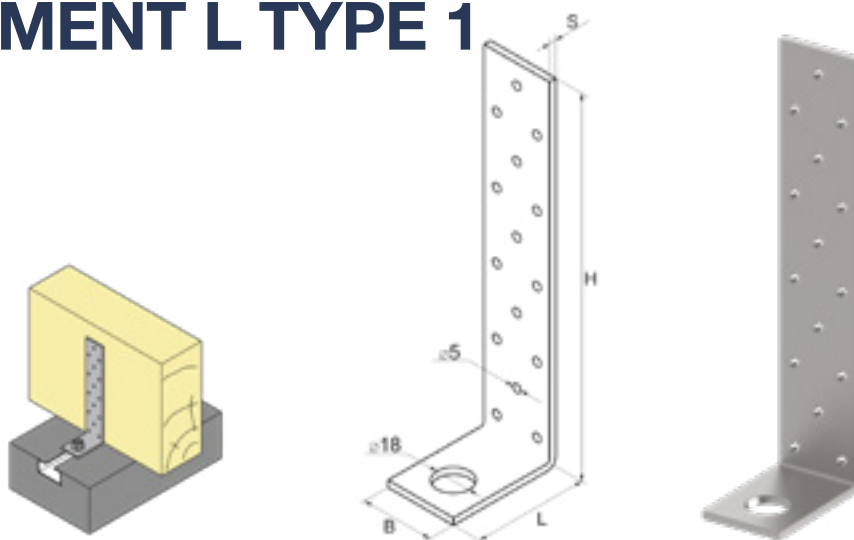
ANGLE BRACKET 135° RIGHT

Art. No.	Sizes (HxBxL)	Thickness (S)
14803	80x63x108	2,0



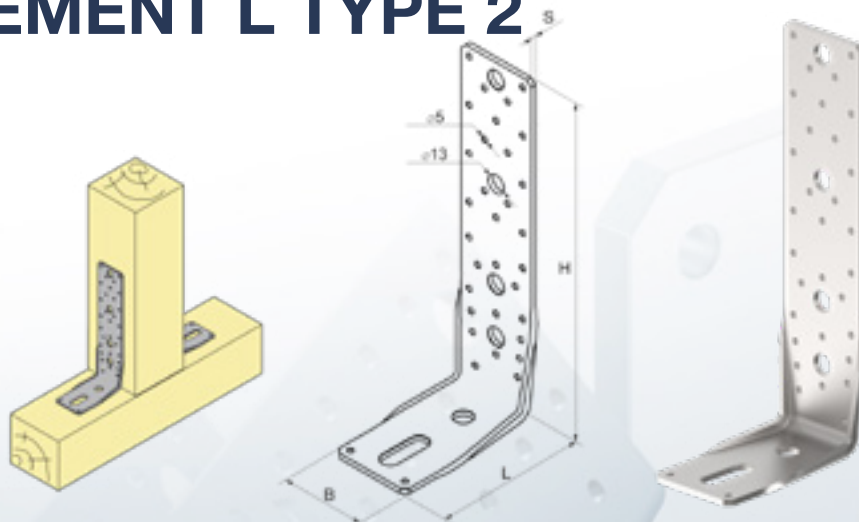
ANCHOR ELEMENT L TYPE 1

Art. No.	Sizes (HxBxL)	Thickness (S)
10644	205x40x65	5,0
10645	300x40x65	5,0

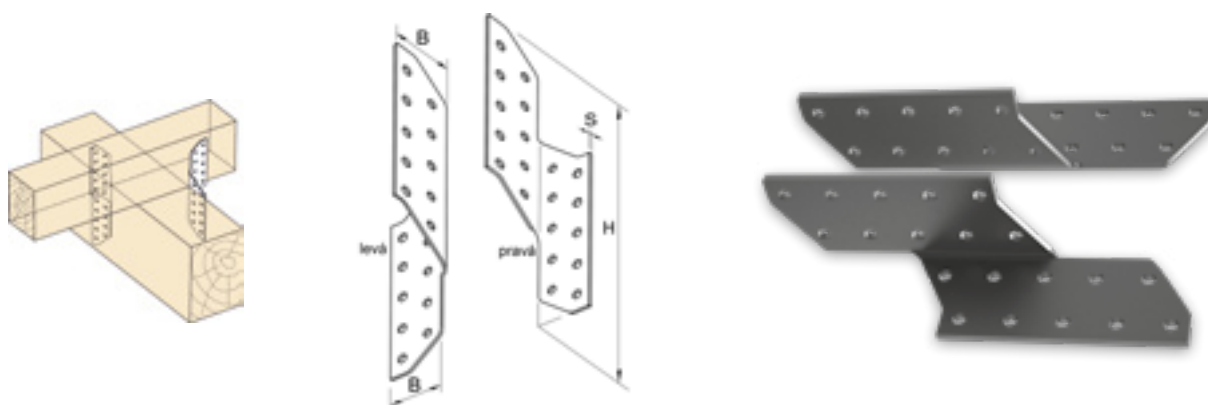


ANCHOR ELEMENT L TYPE 2

Art. No.	Sizes (HxBxL)	Thickness (S)
10647	285x65x105	4,0



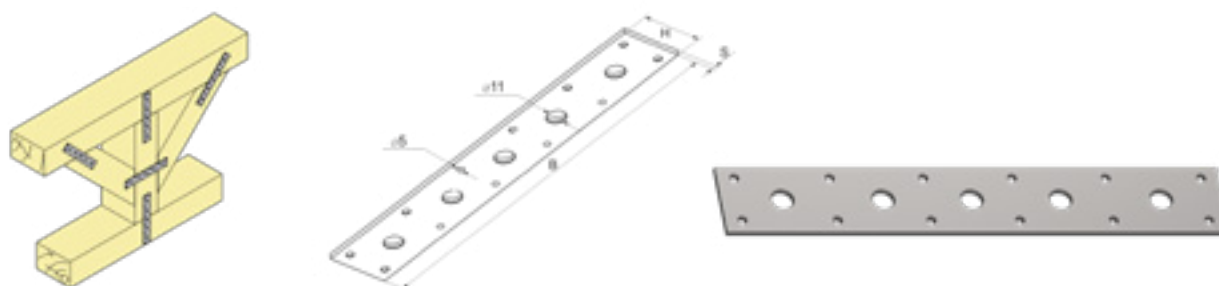
RAFTER PURLIN CONNECTOR



Art. No.	Sizes (H)	Additional (BxS)
24008	150	40,0x2,0
7033	170	32,5x2,0
7034	210	32,5x2,0

Art. No.	Sizes (H)	Additional (BxS)
14200	250	32,5x2,0
14331	290	32,5x2,0
14332	370	32,5x2,0

BONDING TAPE

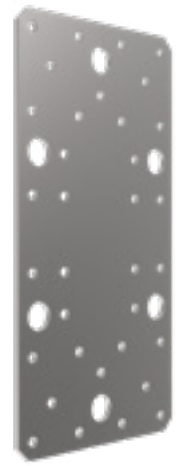
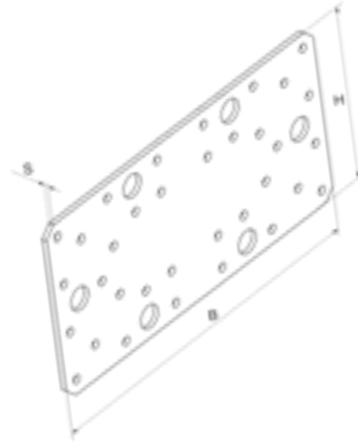
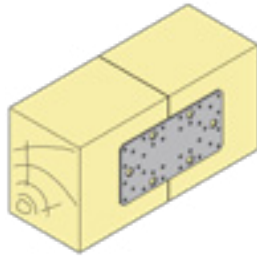


Art. No.	Sizes (HxB)	Thickness (S)
10622	40x100	3,0
10623	40x140	3,0
10624	40x180	3,0

Art. No.	Sizes (HxB)	Thickness (S)
10625	40x220	3,0
14222	40x260	3,0
14223	40x300	3,0

CONNECTING PLATE

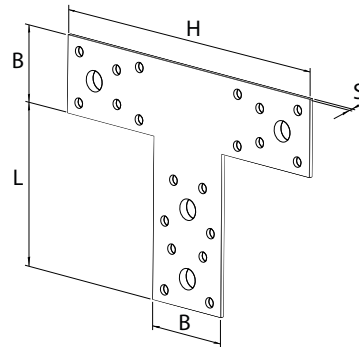
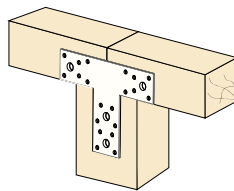
Art. No.	Sizes (HxB)	Thickness (S)
10619	35x100	2,0
18939	45x120	2,0
10617	55x140	2,0
10620	65x177	2,0
10621	90x200	2,0



CE

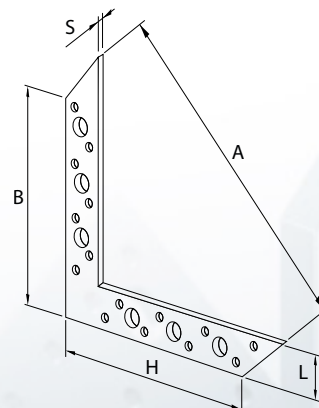
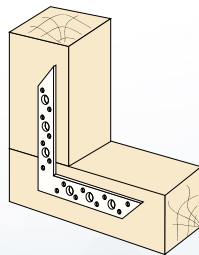
T - PLATE BRACKET

Art. No.	Sizes (HxBxL)	Thickness (S)
7483	160x98x45	2,0

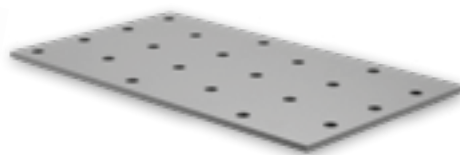
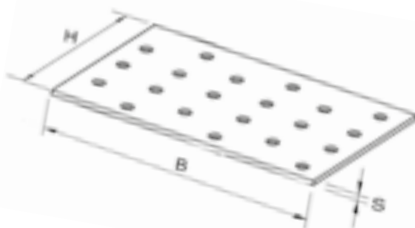
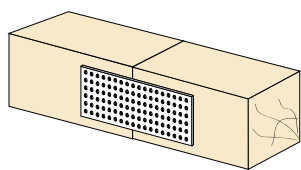


L - PLATE BRACKET

Art. No.	Sizes (HxBxL)	Additional (BxS)
7812	85x85x32	120x2,0
7813	130x130x32	183x2,0
7814	170x170x32	240x2,0

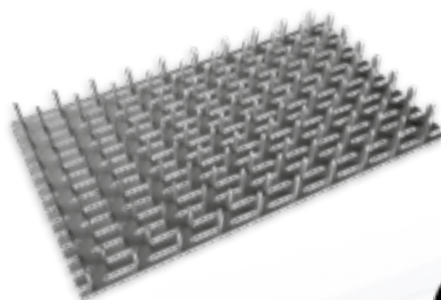
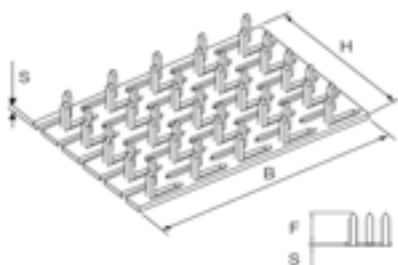
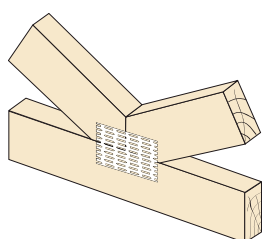


JOINTING PLATE - PERFORATED



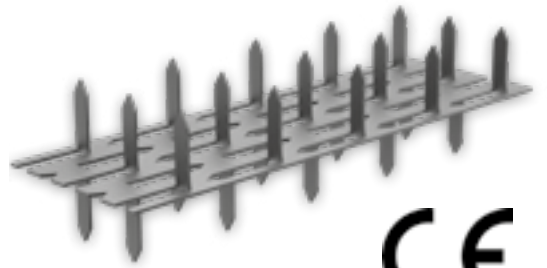
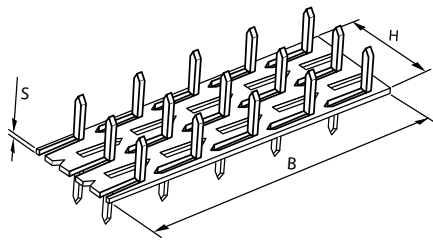
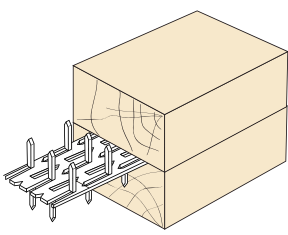
Art. No.	Sizes (HxBxS)	Art. No.	Sizes (HxBxS)	Art. No.	Sizes (HxBxS)
14224	40x80x2,0	9460	60x140x2,0	7042	80x200x2,0
7340	40x1000x2,0	7038	60x160x2,0	10614	80x240x2,0
7036	40x120x2,0	7039	60x200x2,0	7049	80x300x2,0
14226	40x140x2,0	10613	60x240x2,0	10616	100x200x2,0
7047	40x160x2,0	7321	60x300x2,0	7043	120x200x2,0
7037	40x200x2,0	7040	80x80x2,0	7045	160x300x2,0
14228	40x300x2,0	14359	80x120x2,0		
7048	60x120x2,0	7041	80x160x2,0		

JOINTING PLATE - SINGLE SPIKES



Art. No.	Sizes (HxBxS)	Spike's height (F)	Art. No.	Sizes (HxBxS)	Spike's height (F)	Art. No.	Sizes (HxBxS)	Spike's height (F)
7473	24x60x1,0	10,0	7474	54x90x1,0	10,0	7476	105x210x1,5	15,0
7477	24x105x1,0	10,0	9315	54x195x1,0	10,0	7481	126x252x1,5	15,0
7478	24x210x1,0	10,0	7475	70x168x1,5	15,0			
7480	35x126x1,5	15,0	7479	72x210x1,0	10,0			

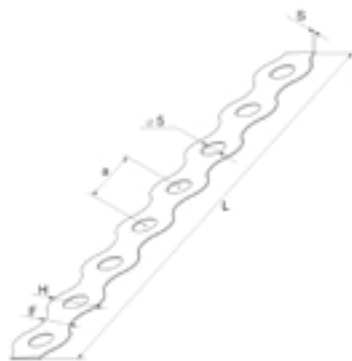
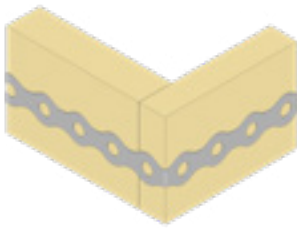
JOINTING PLATE - DOUBLE SPIKES



CE

Art. No.	Sizes (HxBxS)	Spike's height (F)
7482	35x84x15 double sided	15,0

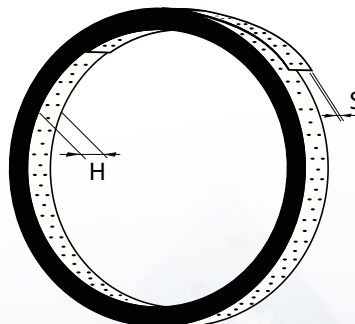
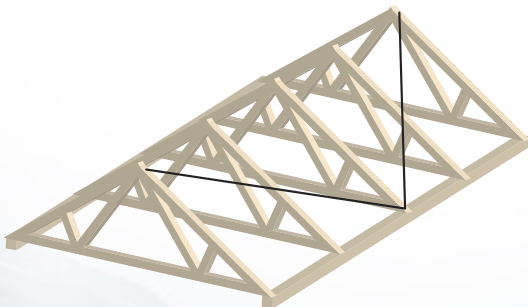
MOUNTING STRIP



Art. No.	Sizes (HxL)	Thickness (S)
11604	12x3000	1,0
11605	12x5000	1,0

Art. No.	Sizes (HxL)	Thickness (S)
11606	12x10000	1,0

BRACING STRIP

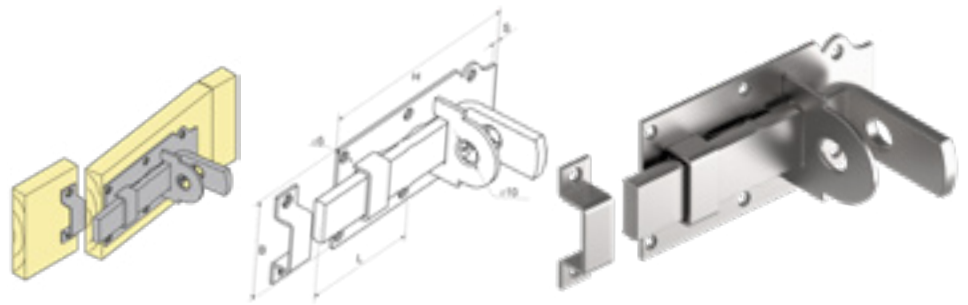


Art. No.	Sizes (HxLxS)
7051	40x12000x2,0
7052	40x25000x2,0

Art. No.	Sizes (HxLxS)
7053	40x50000x2,0

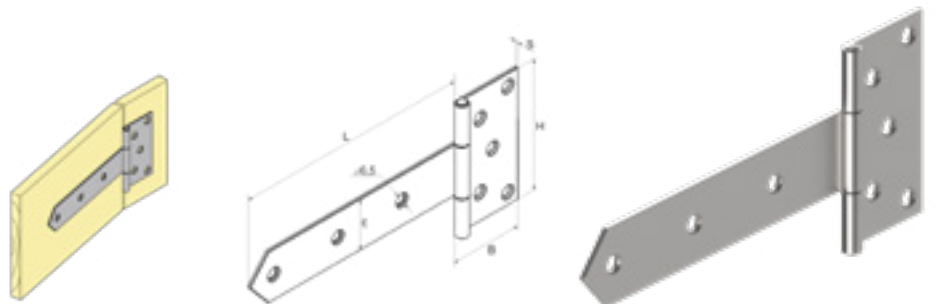
DOOR BOLT

Art. No.	Sizes (HxB)	Additional (L)
9756	100x49	50



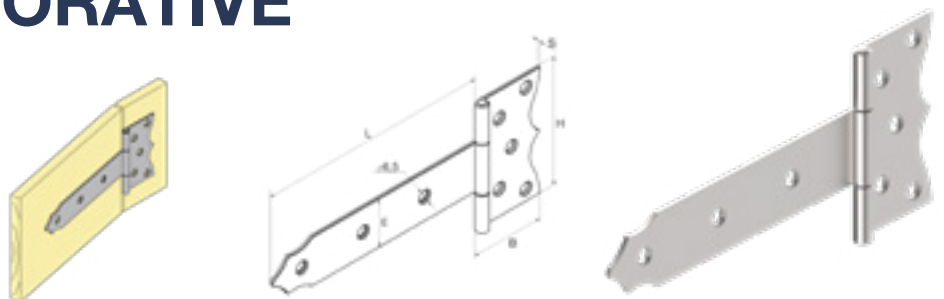
HINGE I

Art. No.	Sizes (HxB)	Additional (LxExS)
9754	90x50	195x35x2,5



HINGE II DECORATIVE

Art. No.	Sizes (HxB)	Additional (LxExS)
9755	90x50	195x35x2,5



PROFILE CLAW

Art. No.	Thickness (S)
10009	2,0
9465	3,0
9467	4,0
9534	5,0
10010	6,0

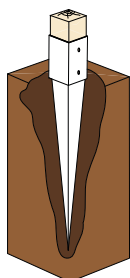




FENCE POST SPIKE ANCHORS | GROUND SCREWS

FENCE POST SPIKE ANCHOR FOR SQUARE TIMBER

Art. No.	Sizes (HxBxV)	Additional (LxS)
7493	50x50x600	120x2,0
7494	70x70x750	150x2,0
7495	90x90x750	150x2,0
14335	100x100x750	150x2,0
7496	100x100x900	150x2,0
7497	120x120x900	150x2,0



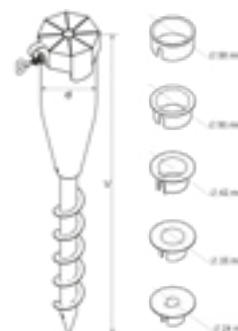
FENCE POST SPIKE ANCHOR FOR ROUND TIMBER

Art. No.	Sizes (DxV)	Additional (LxS)
7499	80x750	150x2,0
7500	100x750	150x2,0
7501	120x900	150x2,0



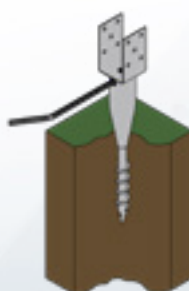
GROUND SCREW ROUND

Art. No.	Sizes (DxV)	Diameter (d)
12502	68x560	24-58



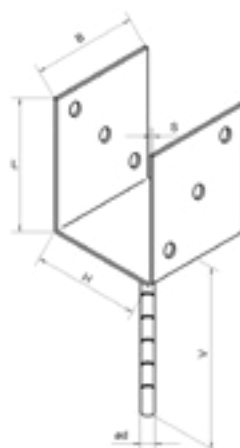
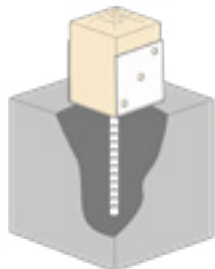
GROUND SCREW TYPE U

Art. No.	Sizes (HxBxV)	Additional (L)
12503	80x75x700	80-135
12504	100x75x900	80-135
12505	120x75x900	80-135



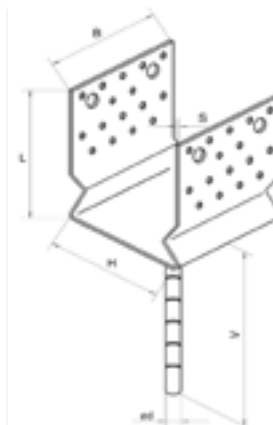
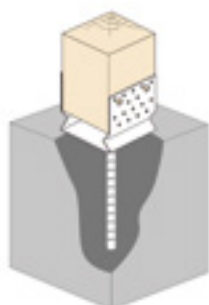
ANCHOR BASE TO CONCRETE TYPE U

Art. No.	Sizes (HxBxS)	Additional (LxVxD)
7059	60x60x4,0	125x250x16
11800	80x60x4,0	125x250x16
7058	80x80x4,0	125x250x16
7065	90x80x4,0	125x250x16
9493	100x60x4,0	125x250x16
7066	100x80x4,0	125x250x16
7054	100x100x4,0	125x250x16
9494	120x60x4,0	125x250x16
7067	120x100x4,0	125x250x20
7055	120x120x4,0	125x250x20
11802	140x60	125x250x16
11964	140x100	125x250x20
7056	140x120x4,0	125x250x20



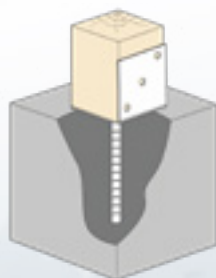
PRESSED ANCHOR BASE TO CONCRETE TYPE U

Art. No.	Sizes (HxBxS)	Additional (LxVxD)
7829	60x60x4,0	125x250x16
7830	80x80x4,0	125x250x16
10099	90x80x4,0	125x250x16
10100	100x80x4,0	125x250x16
7831	100x100x4,0	125x250x16
10101	120x100x4,0	125x250x16
7832	120x120x4,0	125x250x16
13699	120x140x4,0	125x250x16

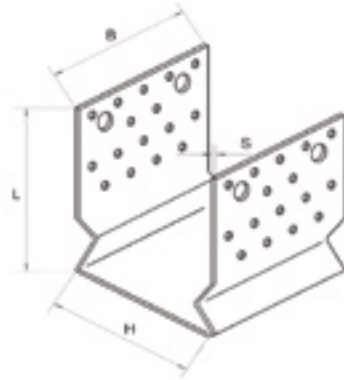
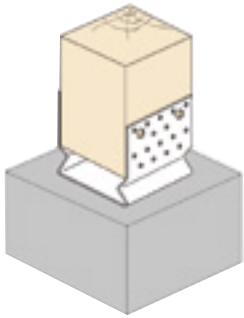


ANCHOR BASE TO CONCRETE TYPE L

Art. No.	Sizes (HxBxS)	Additional (LxVxD)
7060	80x80x4,0	125x250x16
14403	100x80x4,0	125x250x16
7061	100x100x4,0	125x250x16
7068	120x100x4,0	125x250x16
7069	120x120x4,0	125x250x16



ANCHOR ELEMENT TYPE U REINFORCED



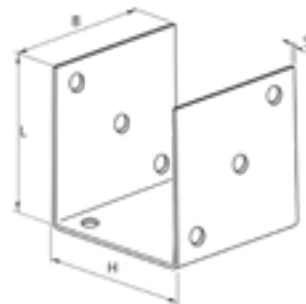
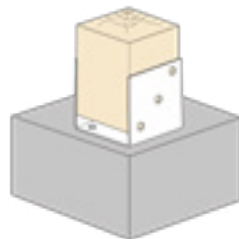
Art. No.	Sizes (HxB)	Additional (LxS)
7837	60x60	125x4
7838	80x80	125x4
10103	90x80	125x4

Art. No.	Sizes (HxB)	Additional (LxS)
10102	100x80	125x4
7839	100x100	125x4
9788	120x100	125x4

Art. No.	Sizes (HxB)	Additional (LxS)
7840	120x120	125x4
13700	140x120	125x4

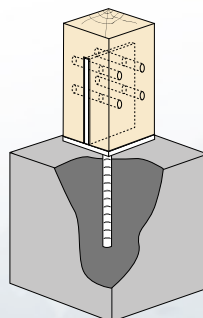
ANCHOR ELEMENT TYPE U

Art. No.	Sizes (HxB)	Additional (LxS)
7833	60x60	125x4
7834	80x80	125x4
7835	100x100	125x4
7836	120x120	125x4
11963	140x100	125x4

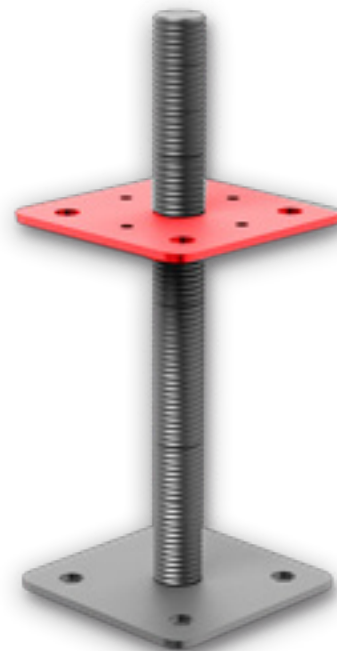
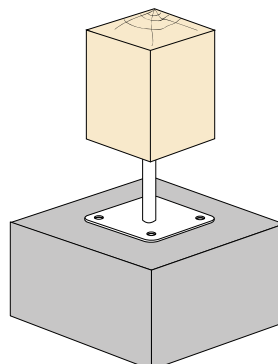
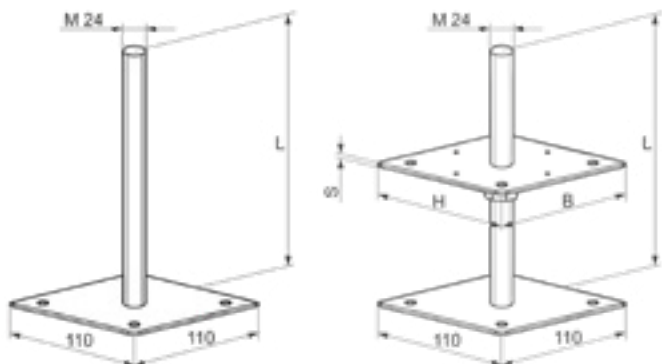


ANCHOR BASE TO CONCRETE TYPE T

Art. No.	Sizes (HxBxV)	Additional (LxVxD)
13483	70x70x4,0	130x200x20
17432	90x90x4,0	130x250x20
14406	100x100x4,0	130x250x18



PILLAR BASE



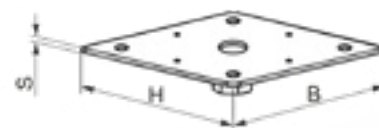
Art. No.	Additional (HxBxLxS)
9389	80x80x200x4,0 M24
9390	80x80x200x4,0 M24 loose nut
9391	80x80x250x4,0 M24
9392	80x80x250x4,0 M24 loose nut
9393	80x80x330x4,0 M24
9394	80x80x330x4,0 M24 loose nut

Art. No.	Additional (HxBxLxS)
7057	110x110x200x4,0 M24
7395	110x110x200x4,0 M24 loose nut
7062	110x110x250x4,0 M24
7717	110x110x250x4,0 M24 loose nut
7063	110x110x330x4,0 M24
7718	110x110x330x4,0 M24 loose nut

Note: The size of bottom plate is always 110x110 mm.

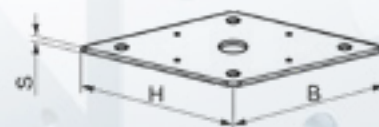
PILLAR BASE PLATE (WITH WELDED NUT)

Art. No.	Sizes (HxBxLxS)
14404	80x80x4,0 M24
11729	110x110x4,0 M24



PILLAR BASE PLATE (WITHOUT WELDED NUT)




















Art. No.	Sizes (HxBxLxS)
14133	110x110x4,0 M24





ANCHORING TECHNIQUE

- Mechanical Anchoring
- Wall Plugs
- Injection Mortars
- PU Foams
- Adhesives

Type	Figure	Concrete	Solid Brick	Honeycombed Brick	Hollow Brick	Lightweight Honeycombed Brick	Limestone/sand Block	Hollow Limestone/sand Block	Porous Concrete	Gypsum Plasterboard / Drywall	Plates and Boards	Solid Stone	Polystyrene	Wood	Page
LSB		●	○	○	○	○	○	○	○	○	○	●	○	○	110
KNO		●	○	○	○	○	○	○	○	○	○	●	○	○	111
KMS		●	◐	○	○	○	◐	○	○	○	○	●	○	●	112
NH		●	●	◐	◐	○	●	○	◐	○	○	●	○	○	114
HKH		●	●	○	○	○	○	○	○	○	○	●	○	○	117
HKN		●	●	○	○	○	○	○	○	○	○	●	○	○	117
UH		◐	◐	◐	●	●	●	●	●	●	◐	◐	○	○	118
HRD		○	○	○	○	○	○	○	○	●	●	○	○	○	119
HSD		○	○	○	●	○	○	◐	○	●	●	○	○	○	119
HOD		○	○	○	◐	○	○	◐	○	●	●	○	○	○	120
RM		○	○	○	○	○	○	◐	●	○	○	●	○	○	121
TURBO		○	○	○	○	○	○	○	○	●	○	○	○	○	123
TURBO AL		○	○	○	○	○	○	○	●	●	◐	○	○	◐	123
GFK		○	○	○	○	○	○	○	◐	●	○	○	○	○	124
UPA, UPP		●	●	●	◐	●	●	●	◐	○	○	●	○	○	125
HDP		○	○	○	○	○	○	○	○	○	○	○	●	○	126
HDP60, 95		○	○	○	○	○	○	○	○	○	●	○	●	○	126
TTH		●	●	●	●	◐	○	○	○	○	○	●	○	○	127
HP		○	●	●	●	●	●	●	●	○	○	○	○	○	128

Recommended Application
 Possible Application
 Inappropriate Application



ANCHORS

LSB - BOLT ANCHOR

Application

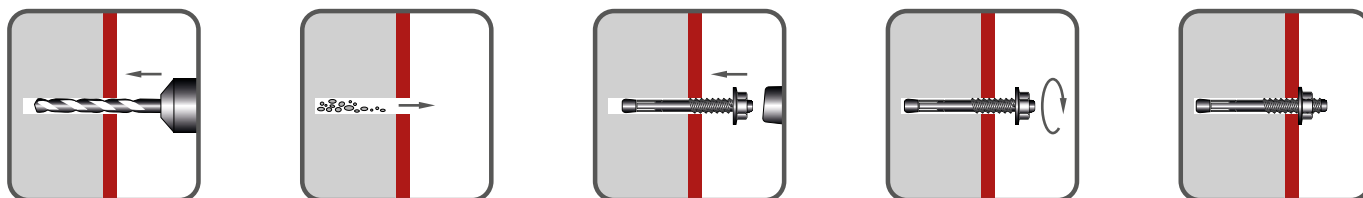
Bolt anchors are used for high-strength fixations of various structures to concrete bases, for fixing racks and shelves in shops, for fixing crush barriers, guardrails, fences, cable lines, etc.

- Concrete, solid brick, stone

Advantages: Easy to mount, various dimensions, very strong anchoring capacity, useable with thicker materials



Application



Fe | steel

Art. No.	Size	Pcs/ Package	Dept of Borehole	Dept of Anchorage	Max. thickness of the material to be attached	Length of Thread in mm	Drill Diameter	Wrench Size	Washer Size	Torsional Moment (Nm)	Recommended Load (Concrete 25)	
											Tension	Shear
10586	M8 x 80	100	60	50	20	50	8	13	16	23	3,4	2,8
14361	M8 x 90	100	60	50	30	50	8	13				
10587	M8 x 100	100	60	50	45	45	8	13				
10588	M8 x 120	100	60	50	60	75	8	13				
10589	M10 x 80	100	70	60	10	40	10	17	20	45	5,6	4,6
11976	M10 x 90	100	70	60	20	50	10	17				
11975	M10 x 95	100	70	60	25	55	10	17				
10575	M10 x 100	100	70	60	30	55	10	17				
10590	M10 x 120	50	70	60	50	70	10	17				
10591	M10 x 140	50	70	60	70	80	10	17	24	65	8,5	6,7
14362	M12 x 70	50	70	60	2	30	12	19				
10592	M12 x 80	50	70	70	5	35	12	19				
10593	M12 x 100	50	70	70	15	40	12	19				
10594	M12 x 120	50	85	70	30	60	12	19				
10595	M12 x 140	25	85	70	50	60	12	19				
10596	M12 x 180	25	85	70	90	50	12	19				
10597	M16 x 100	25	80	80	5	40	16	24	30	110	10,2	10,8
10598	M16 x 145	25	90	80	45	50	16	24				
10599	M16 x 175	25	90	80	75	60	16	24				

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

KNO - DROP-IN ANCHOR (STEEL)

Application

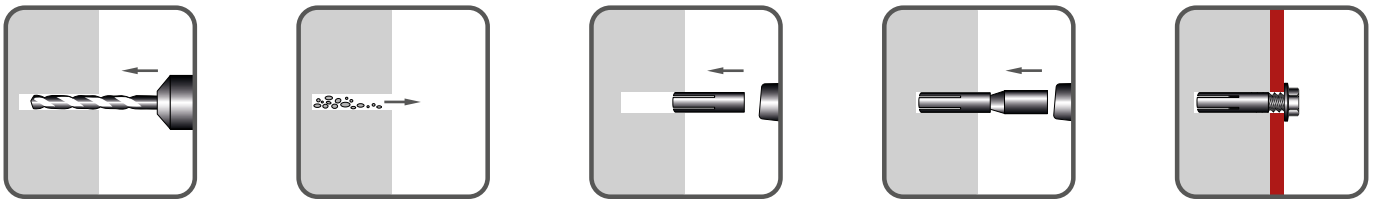
A drop-in anchor to be applied using a puncher. Suitable for installation in solid construction materials.

- Concrete, stone

Advantages: Easy and quick application, fire resistant, shallow drillhole



Application



Fe | steel

Art. No.	Size	Pcs/ Package	Drill Diameter	Max. dept of Borehole	Length of Wall Plug	Dept of Anchorage	Thread Diameter	Torsional Moment (Nm)	Recommended Load (Concrete 25)	
									Tension	Shear
16211	8 x 25 M6	100	8	30	25	25	M6	2,5	1,5	6,7
16212	10 x 30 M8	100	10	35	30	30	M8	3	2,35	6,7
16213	12 x 40 M10	50	12	45	40	40	M10	4,75	2,7	6,7
16214	15 x 50 M12	50	15	55	50	50	M12	6,8	5,12	6,7

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

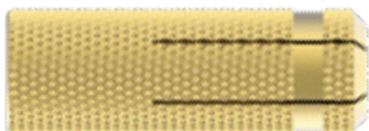
KMS - EXPANSION ANCHOR (BRASS)

Application

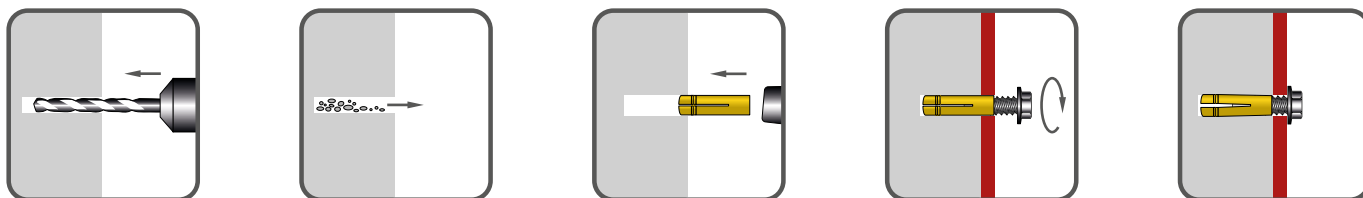
A brass expansion anchor with a metric conical thread. Suitable for installation in solid construction materials, in wood and chipboards.

- Concrete, wood, stone, solid brick

Advantages: Corrosion resistant, fire resistant, shallow borehole



Application



Ms | brass

Art. No.	Size	Pcs/ Package	Drill Diameter	Min. dept of Borehole	Length of Wall Plug	Dept of Anchorage	Thread	Recommended Tensile Load	
								Concrete 25	Brick
16215	8 x 24 M6	300	8	30	24	24	M6	0,85	0,7
16216	10 x 30 M8	200	10	35	30	30	M8	1,5	1,2
16217	12 x 35 M10	100	12	40	35	35	M10	2,5	2
16218	15 x 40 M12	50	16	45	40	40	M12	3,9	3,1

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)



WALL PLUGS

HAMMER DRIVE WALL PLUGS

Application

Hammer drive wall plugs are suitable for quick and easy attachment of various things such as lathes, strips, trims, frames, metal profiles etc. to walls and other solid construction materials.

Easy to use (the screw is not screwed but driven in).

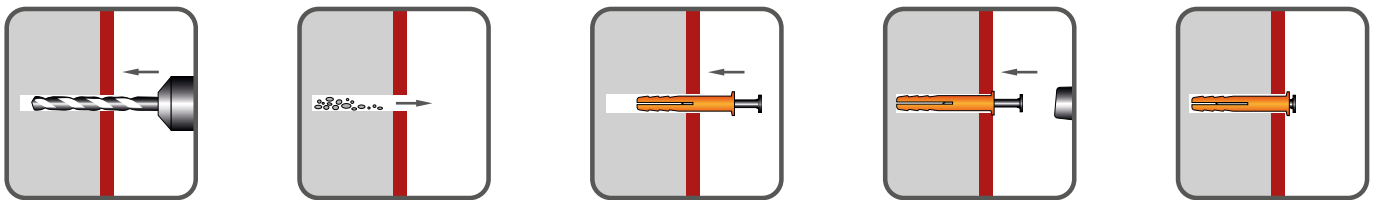
- Concrete, solid brick, stone

Advantages: Quick and easy mounting, can be dismantled if necessary

Types of hammer drive wall plugs:

- **NH** – a hammer drive wall plug with a flat head
- **NHZ** – a hammer drive wall plug with a countersink head
- **NHH** – a hammer drive wall plug with a mushroom head

Application



Size	Pcs/ Package	Drill Diameter	Min. dept of Borehole	Length of Wall Plug	Screw Diameter	Collar Diameter	Maximum thickness of the material to be attached	Recommended Tensile Load
5 x 25	200	5	30	25	3,4	9	3	0,31
5 x 35	200	5	40	35	3,4	9	10	0,31
5 x 45	100	5	50	45	3,4	9	15	0,31
6 x 25	100	6	30	25	3,8	10	3	0,48
6 x 35	100	6	40	35	3,8	10	5	0,48
6 x 40	100	6	45	40	3,8	10	10	0,48
6 x 45	100	6	50	45	3,8	10	15	0,48
6 x 55	50	6	60	55	3,8	10	25	0,48
6 x 60	100	6	65	60	3,8	10	30	0,48
6 x 70	50	6	75	70	3,8	10	40	0,48
6 x 80	50	6	85	80	3,8	10	50	0,48
8 x 45	50	8	50	45	4,8	11	5	0,65
8 x 60	50	8	65	60	4,8	11	20	0,65
8 x 75	50	8	80	75	4,8	11	35	0,65
8 x 80	50	8	85	80	4,8	11	40	0,65
8 x 100	50	8	105	100	4,8	11	60	0,65
8 x 120	50	8	125	120	4,8	11	80	0,65
8 x 135	50	8	140	135	4,8	11	95	0,65

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

NH - HAMMER DRIVE WALL PLUG, FLAT HEAD



Fe | steel
Wall Plug | nylon

Art. No.	Size	pcs/ package
13966	5 x 25	200
13967	5 x 35	100
13968	5 x 45	100
13969	6 x 25	200
13970	6 x 35	100
13971	6 x 40	100

Art. No.	Size	pcs/ package
13972	6 x 45	100
13973	6 x 55	100
13974	6 x 60	50
13975	6 x 70	50
13976	6 x 80	50
13980	8 x 45	50

Art. No.	Size	pcs/ package
13981	8 x 60	50
13982	8 x 75	50
13983	8 x 80	50
13977	8 x 100	50
13978	8 x 120	50
13979	8 x 135	50

NHH - HAMMER DRIVE WALL PLUG, MUSHROOM HEAD



Fe | steel
Wall Plug | nylon

Art. No.	Size	pcs/ package
13946	5 x 25	200
13947	5 x 35	100
13948	5 x 45	100
13951	6 x 35	100
13952	6 x 40	100
13953	6 x 45	100

Art. No.	Size	pcs/ package
13954	6 x 55	100
13955	6 x 60	50
13956	6 x 70	50
13957	6 x 80	50
13961	8 x 45	50
13962	8 x 60	50

Art. No.	Size	pcs/ package
13963	8 x 75	50
13964	8 x 80	50
13958	8 x 100	50
13959	8 x 120	50
13960	8 x 135	50

NHZ - HAMMER DRIVE WALL PLUG, COUNTERSUNK HEAD



Fe | steel
Wall Plug | nylon

Art. No.	Size	pcs/ package
13929	5 x 25	200
13930	5 x 35	100
13931	5 x 45	100
13932	6 x 35	100
13933	6 x 40	100
13934	6 x 45	100

Art. No.	Size	pcs/ package
13935	6 x 55	100
13936	6 x 60	50
13937	6 x 70	50
13938	6 x 80	50
13942	8 x 45	50
13943	8 x 60	50

Art. No.	Size	pcs/ package
13944	8 x 75	50
13945	8 x 80	50
13939	8 x 100	50
13940	8 x 120	50
13941	8 x 135	50

HAMMER DRIVE WALL PLUG, COUNTERSUNK HEAD

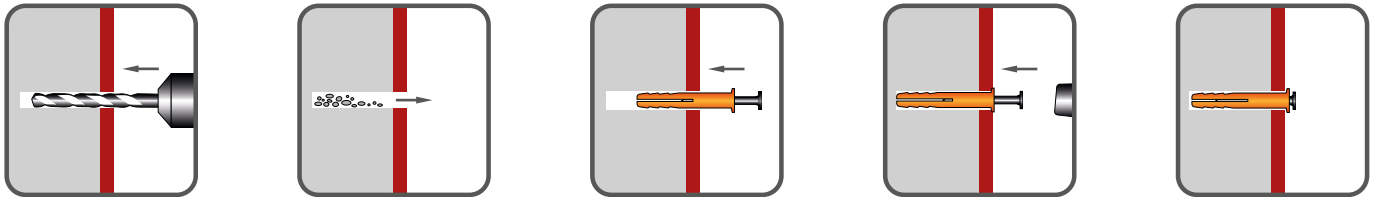
Application

Hammer drive wall plugs are suitable for quick and easy attachment of various things such as lathes, strips, trims, frames, metal profiles etc. to walls and other solid construction materials. Easy to use (the screw is not screwed but driven in).



- Concrete, solid brick, stone

Application



Fe | steel

Wall Plug | polypropylene

Art. No.	Size	Pcs/Package	Drill Diameter	Min. dept of Borehole	Length of Wall Plug	Screw Diameter	Collar Diameter	Maximum thickness of the material to be attached	Recommended Tensile Load
10230	6 x 40	200	6	45	40	3,8	10	10	0,41
9734	6 x 60	200		65	60			30	
9735	6 x 80	100		85	80			50	
10231	8 x 45	100	8	50	45	4,8	12	5	0,7
10232	8 x 60	100		65	60			20	
10233	8 x 80	100		85	80			40	
10119	8 x 100	100		105	100			60	
10120	8 x 120	100		125	120			80	
10234	8 x 140	100		145	140			100	
10235	8 x 160	100	165	160	120				
10236	10 x 80	50	10	85	80	6,8	14	30	1,71
10237	10 x 100	50		105	100			50	
10238	10 x 120	50		125	120			70	
10239	10 x 140	50		145	140			90	
10240	10 x 160	50		165	160			110	
10241	10 x 180	50		185	180			130	
10242	10 x 200	50		205	200			150	

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

HKH - NAIL-IN ANCHOR

Application

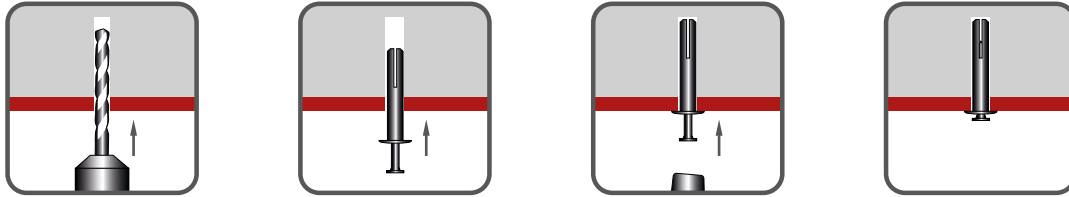
A wide scope of applications, quick mounting, the nail is to be just driven in. The wall plug is, before all, intended for ceiling installations.

- Concrete, solid brick, stone

Advantages: Quick and easy mounting, corrosion resistance, high thermal resistance



Application



Hammer | zamac

Art. No.	Size	Pcs/ Package	Length of Wall Plug	Minimum Length of the Screw	Maximum thickness of the material to be attached	Nail Diameter	Drill Diameter	Recommended Tensile Load	
								Concrete 25	Brick
21079	6 x 30	100	32	35	5	4	6	0,8	0,7
21078	6 x 40	100	42	45	15	4	6	0,8	0,7
21080	6 x 50	100	52	55	20	4	6	0,8	0,7

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

HKN - CEILING ANCHOR

Application

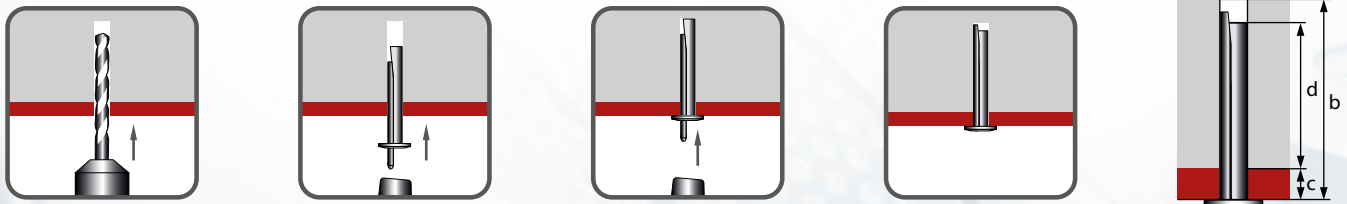
This anchor serves for attachment of various profiles or lathes, strips or trims to concrete and other solid materials. Very easy and quick mounting. This wall plug is, before all, intended for ceiling applications due to fire safety.

- Concrete

Advantages: Easy to mount, excellent tensile strength, economical anchorage, fire resistance



Application



Fe | steel

Art. No.	Size	Pcs/ Package	Drill Diameter (a)	Minimum Length of the Screw (b)	Wedge Length (c+d)	Maximum thickness of the material to be attached©	Min. anchorage length (d)	Recommended Load
16336	6 x 40	100	6	45	37	5	32	2

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

HOLLOW WALL PLUGS

UH – HOLLOW WALL PLUG

UHL - HOLLOW WALL PLUG WITH A RIM

Application

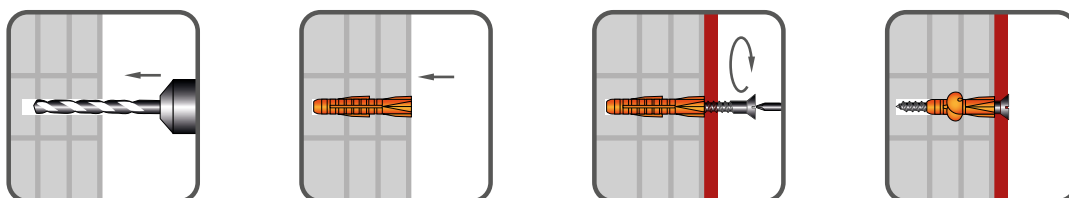
Hollow wall plugs are suitable for attaching things to hollow bricks. When tightened up, it forms a knot in the cavities of the material. The length of the screw must always be longer than the wall plug including the material to be attached.

- *Not intended for concrete and solid masonry*

Advantages: Top quality, quick installation, low price



Application



Wall Plug | polyethylene

Art. No.	Size	Pcs/ Package	Drill	Min. dept of Borehole	Length of Wall Plug	Screw	Recommended Tensile Load
16201	6 x 37	100	6	50	37	4-4,5	0,35
16206	6 x 38 (rim)	100	6	50	38	4-4,5	0,35
16202	6 x 50	100	6	60	50	4-4,5	0,35
16207	6 x 51 (rim)	100	6	60	51	4-4,5	0,35
16203	8 x 50	50	8	60	50	5-6	0,48
16208	8 x 51 (rim)	50	8	60	51	5-6	0,48
16204	10 x 60	50	10	70	60	5-6	0,6
16209	10 x 61 (rim)	50	10	70	61	5-6	0,6
16210	12 x 71 (rim)	25	12	80	71	7-8	0,87

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

HOLLOW WALL FIXINGS

HRD - EXPANSION DRYWALL ANCHOR

Application

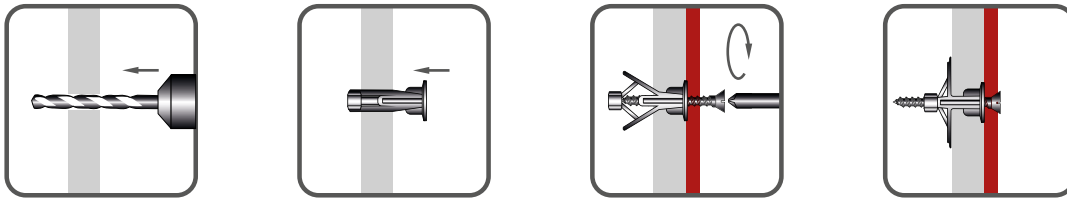
A plastic wall plug intended for attaching things to hollow materials. The length of the screw must always be longer than the wall plug including the material to be attached.

- *Plasterboard, hollow bricks, chipboard*

Advantages: Easy installation, economical anchorage, very strong connection



Application



Wall Plug | polyamide

Art. No.	Size	Pcs/ Package	Drill Diameter	Length of Wall Plug	Wall Thickness	Screw Diameter	Minimum Length of the Screw	Recommended Tensile Load	
								Plasterboard	Chipboard
16219	10 x 12	50	10	40	4 - 12	4	45	0,25	0,3
16220	10 x 19	50	10	46	13 - 19	4	50	0,25	0,3

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

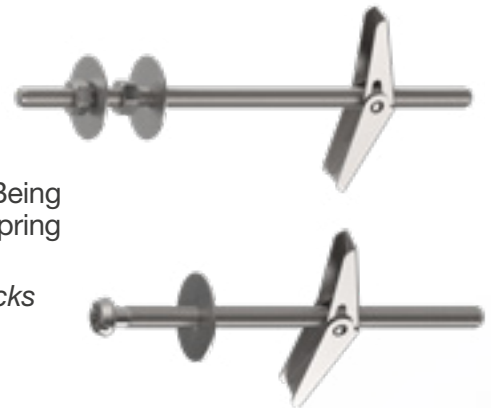
HSD - SPRING TOGGLE HSD-M with a nut / HSD-S with a bolt

Application

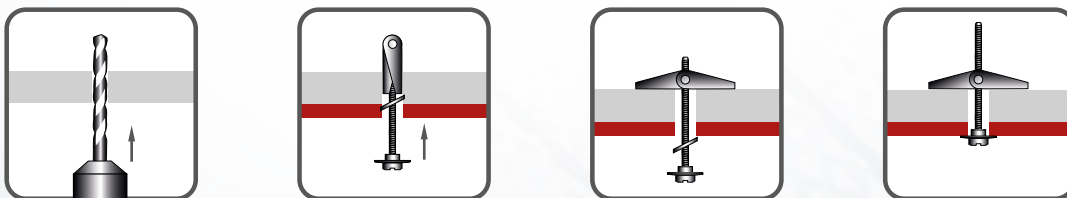
This wall fixing serves for attaching things to hollow ceiling spaces. Being inserted in the hole, the plug anchors itself automatically due to the spring built in the plug. Very easy installation without the use of any tools.

- *Plasterboard, hollow bricks, chipboards, hollow clay (hourdis) blocks*

Advantages: Fire resistant, no tools needed



Application



Fe | steel

Art. No. HSD-M	Art. No. HSD-S	Size	Pcs/ Package	Drill Diameter	Usable Length	Max. hollow depth	Thread	Orientation loads (tension)	
								Plasterboard	Chipboard
16330	16333	M4	25	14	30	35	M4	0,2	0,35
16331	16334	M5	25	16	60	46	M5	0,22	0,38
16332	16335	M6	10 (HSD-M); 20 (HSD-S)	16	30	46	M6	0,24	0,41

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

HOD-S - HOLLOW WALL ANCHOR WITH SCREW AND LENS HEAD, POZIDRIVE

Application

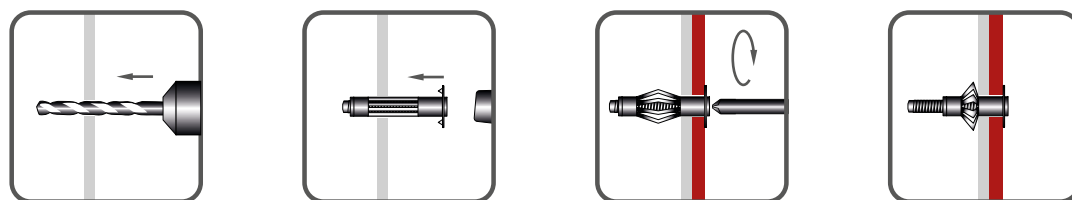
This steel wall anchor is intended for attaching things to hollow materials. It is to be mounted using a screwdriver or special pliers. Owing to its serrated rim, the plug will not be slipping when being mounted.

- *Plasterboard, hollow bricks, chipboard*

Advantages: Easy to mount, optimum anchoring properties



Application



Fe | steel

Art. No.	Size	Pcs/ Package	Drill Diameter	Length of Wall Plug	Maximum thickness of the material to be attached	Thread	Recommended Tensile Load	
							Plasterboard	Chipboard
16327	8 x 38, M4	100	7 - 8	38	10 - 16	M4	0,25	0,28
16328	10 x 52, M5	50	9 - 10	52	3 - 16	M5	0,30	0,50
16329	12 x 52, M6	50	10 - 12	52	3 - 16	M6	0,40	0,60

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

FRAME FIXINGS

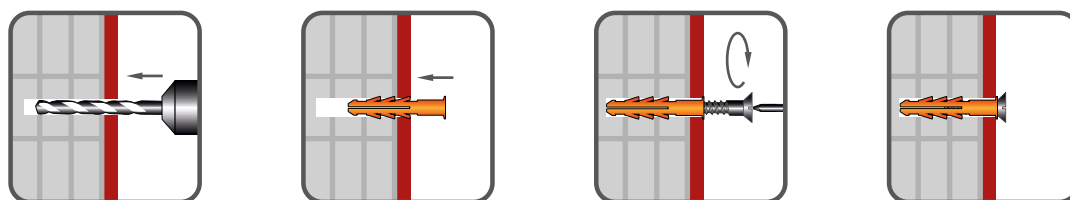
Application

Frame fixings are intended for anchorage into concrete, bricks, moulded bricks, masonry blocks etc. Mechanically stable from -40°C to +120°C. The complete set consists of a wall plug and a screw that guarantee easy and reliable installation. The fixing is to be applied through the material to be attached.

- *Hollow bricks, bricks, concrete, stone*

Advantages: Strong anchorage, high thermal resistance, easy application

Application



Size	Drill Diameter	Min. dept of Borehole	Length of Wall Plug	Screw Diameter	Maximum thickness of the material to be attached	Recommended Tensile Load
8 x 60	8	70	60	5 - 5,5	5	0,75
8 x 80	8	90	80	5 - 5,5	25	0,75
8 x 100	8	110	100	5 - 5,5	45	0,75
8 x 120	8	130	120	5 - 5,5	65	0,75
8 x 140	8	150	140	5 - 5,5	85	0,75
8 x 160	8	170	160	5 - 5,5	105	0,75
10 x 80	10	90	80	6 - 7	15	0,92
10 x 100	10	110	100	6 - 7	35	0,92
10 x 120	10	130	120	6 - 7	55	0,92
10 x 140	10	150	140	6 - 7	75	0,92
10 x 160	10	170	160	6 - 7	95	0,92

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

RM - FRAME FIXING



Wall Plug | nylon

Art. No	Size	pcs/ package	Art. No	Size	pcs/ package	Art. No	Size	pcs/ package
16314	8 x 60	100	16318	8 x 140	50	16322	10 x 120	25
16315	8 x 80	100	16319	8 x 160	50	16323	10 x 140	25
16316	8 x 100	50	16320	10 x 80	50	16324	10 x 160	25
16317	8 x 120	50	16321	10 x 100	25			

RMS - FRAME FIXING WITH HEXAGON HEAD SCREW



Fe | steel
Wall Plug | nylon

Art. no.	Size	pcs/ package
16290	8 x 60	50
16291	8 x 80	50
16292	8 x 100	25
16293	8 x 120	25
16294	8 x 140	25
16295	8 x 160	25

Art. no.	Size	pcs/ package
16296	10 x 80	25
16297	10 x 100	25
16298	10 x 120	20
16299	10 x 140	20
16300	10 x 160	20

RMT - FRAME FIXING WITH COUNTERSUNK HEAD TORX SCREW



Fe | steel
Wall Plug | nylon

Art. no.	Size	pcs/ package
16301	8 x 60	50
16302	8 x 80	50
16303	8 x 100	25
16304	8 x 120	25
16305	8 x 140	25
16306	8 x 160	25

Art. no.	Size	pcs/ package
16307	10 x 80	25
16308	10 x 100	25
16309	10 x 120	20
16310	10 x 140	20
16311	10 x 160	20

PLASTERBOARD FIXINGS

PLASTERBOARD FIXING NYLON

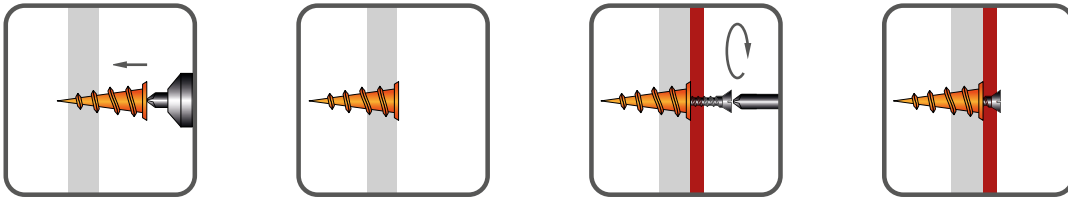
Application

A special fixing to be used for plasterboard. Being screwed in, the plug simply cuts itself into the plasterboard. The material is then attached using screws for wood, chipboard or plasterboard.

Advantages: Easy to mount, quick application, low price



Application



Wall Plug | nylon

Art. No.	Size	Pcs/Package	Length of Wall Plug	Screw Diameter	Recommended Tensile Load
16325	10 x 35	100	35	3,5 - 4	0,15

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

PLASTERBOARD FIXING ALUMINIUM

Application

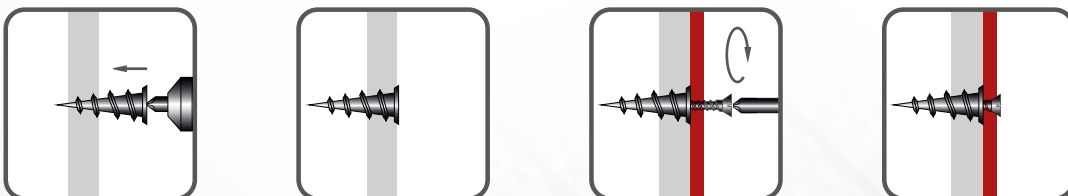
A special fixing to be used for plasterboard, porous concrete and/or chipboard. Being screwed in, the plug simply cuts itself into the plasterboard. The material is then attached using screws for wood or chipboard.

- *Plasterboard, porous concrete, chipboard*

Advantages: Non-flammable, easy application



Application



Al | aluminium

Art. No.	Size	Pcs/Package	Length of Wall Plug	Screw Diameter	Recommended Tensile Load		
					Plasterboard	Porous Concrete	Chipboard
16326	10 x 35	100	34	4 - 4,5	0,10	0,30	0,25

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

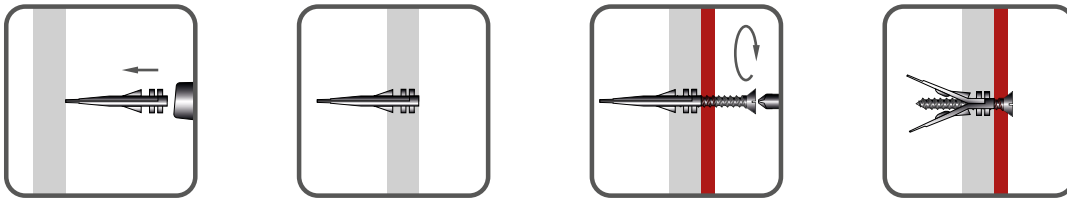
GFK - HAMMER-IN PLASTERBOARD FIXING WITH PZ SCREW

Application

A hammer-in metal fixing for plasterboard or, as the case may be, for porous concrete (the FK45 type only) to attach various construction or decorative elements in applications where the load is not so high. Suitable for fixing lighting, wiring, pipes, pictures, decorative finishing strips, etc. Quick assembly without pre-drilling. Recommended especially in areas with strict fire safety requirements.



Application



Fe | steel

Art. No.	Marking	Pcs/ Package	Fixing Length	Fixing Width	Screw Diameter	Screw Length	Base Width	Maximum Width of the Element to be Attached
21304	GFK30 with the PZ screw	100	30	12	4	30	9-13	5
21305	GFK40 with the PZ screw	100	40	12	4	40	13-26	5
21306	GFK45 with the PZ screw	100	45	16	4,5	45	16-26	5

The values are in millimetres.

Recommended Load						
Material	Recommended Load to Prevent Tearing Out (Nk in kg) (daN/kgf)*			Recommended Load to Prevent Shear (Nk in kg) (daN/kgf)*		
	Simple Plasterboard	Double Plasterboard	Porous Concrete	Simple Plasterboard	Double Plasterboard	Porous Concrete
GFK30 with the PZ screw	4	-	-	10	-	-
GFK40 with the PZ screw	-	20	-	-	24	-
GFK45 with the PZ screw	-	20	28	-	36	60

* 1daN = 10N = 1kg; with the 2.5 safety factor

NYLON WALL PLUGS

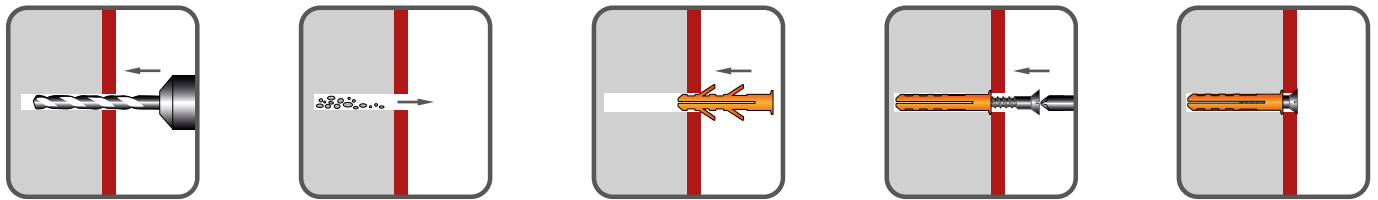
Application

A classic expanding wall plug (a standard wall plug with a rim) for standard applications into solid construction materials with wood screws or self-drilling screws. Made of high-quality material (Polyamide (Nylon 6)). Thermal resistant from -40°C to +100°C.

- Concrete, solid brick, natural stone, sandstone

Advantages: Wide range of applications, high thermal resistance, wings to prevent slipping

Application



UPA - NYLON WALL PLUG



Wall Plug | nylon

Art. No.	Size	Pcs/ Package	Drill Diameter	Min. dept of Borehole	Wall Plug Length	Screw Diameter	Recommended Tensile Load
16059	5 x 25	200	5	30	25	2,5 - 4	0,32
16055	6 x 30	100	6	35	30	3,5 - 5	0,53
21837	8 x 40	100	8	45	40	4,5 - 6	0,75
16056	10 x 50	50	10	55	50	6 - 8	0,92
16057	10 x 60	50	10	65	60	6 - 8	0,92
16058	12 x 60	25	12	65	60	8 - 10	1,33
16054	16 x 90	10	16	95	90	12	2,90

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

UPA-L - NYLON WALL PLUG WITH A RIM



Wall Plug | nylon

Art. No.	Size	Pcs/ Package	Drill Diameter	Min. dept of Borehole	Wall Plug Length	Screw Diameter	Recommended Tensile Load
16060	5 x 25	200	5	30	25	2,5 - 4	0,26
16062	6 x 30	100	6	35	30	3,5 - 5	0,42
16061	8 x 40	100	8	45	40	4,5 - 6	0,52
16071	10 x 50	50	10	55	50	6 - 8	0,41
16063	12 x 60	25	12	65	60	8 - 10	1,06

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

SPIRAL INSULATION ANCHORS

HDP – SPIRAL INSULATION ANCHOR

Application

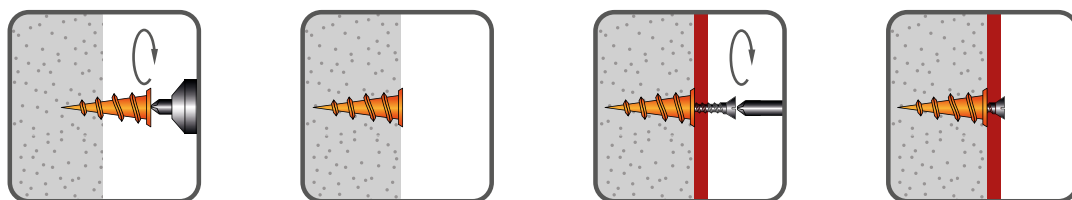
A special anchor for polystyrene. Easy application using an electric or hand-operated screwdriver. Intended for light anchorage. The material is to be fixed by means of screws.

- Polystyren

Advantages: Easy to mount, quick application, low price



Application



Wall Plug | polyamide

Art. No.	Size	Pcs/Package	Wall Plug Length	Screw Diameter	Recommended Tensile Load
21064	23 x 50	25	50	4,0 - 4,5	0,15

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

HDP 60, 95 – SPIRAL INSULATION ANCHOR

Application

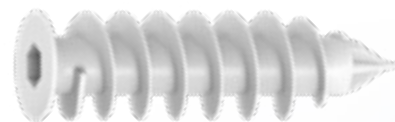
A special anchor for thermal insulation and composite systems. Anchorage without a thermal bridge. Owing to its sharp tip, no preboring is necessary even in the hard WDVS plaster. Made of top-quality nylon.

- Polystyrene boards, thermal insulation and WDVS composite systems, hard-foam boards, styropor boards, woodwool panels

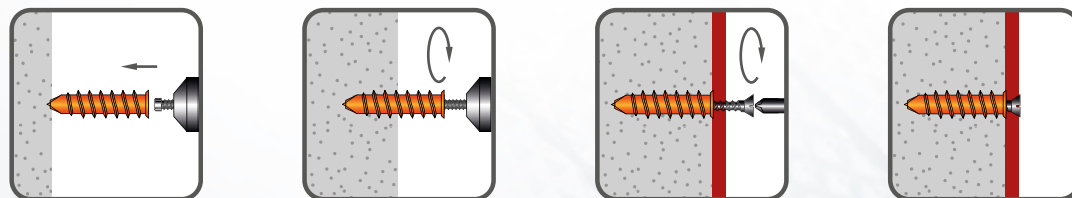
Advantages: Easy and quick application, high loading capacity

HDP60 - It is necessary to use the Torx40 adapter for screwing in

HDP95 - It is necessary to use the M8x30 metric bolt with a hexagonal head as an anchoring tool



Application



Wall plug | polyamide

Art. No.	Size	Pcs/ Package	Wall Plug Length	Screw Diameter	Screwing depth	Recommended Tensile Load
21065	23 x 58 (HDP60)	20	58	4,5 - 5,0	30	0,08
21066	32 x 95 (HDP95)	5	95	8 - 10 / M8	40	0,18

The values are in millimetres.

Values of recommended load in kN (1 kN 100 kg)

INSULATION PLUGS

TTH – INSULATION PLUG WITH POLYAMIDE PIN

Application

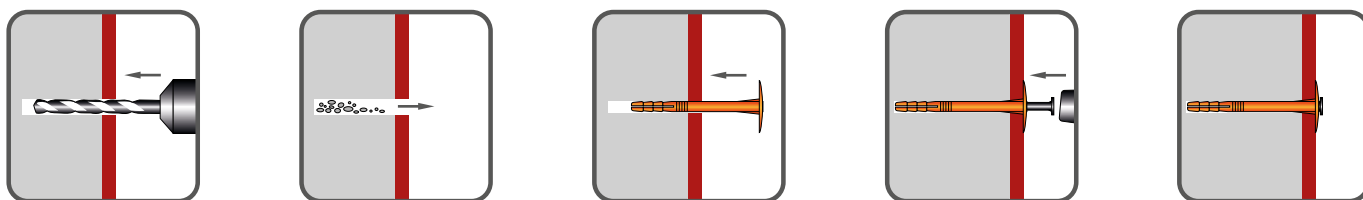
Intended for all kinds of construction materials. It is widely used for anchoring insulation boards under the plaster.

- Concrete, solid brick, natural stone, hollow brick, porous concrete

Advantages: High weather resistance, no thermal bridge, easy application



Application



Wall plug | copolymer
Pin | PA6 polyamide with glass

Art. No.	Size	Pcs/ Package	Drill Ø	Minimum screw depth	Fixing depth	Wall Plug Length	Disc diameter	Thickness of the attached material
21067	10/60 - 90	200	10	45	40	90	60	40
21068	10/60 - 110	200	10	45	40	110	60	60
21069	10/60 - 120	200	10	45	40	120	60	70
21070	10/60 - 130	200	10	45	40	130	60	80
21071	10/60 - 140	200	10	45	40	140	60	90
21072	10/60 - 150	200	10	45	40	150	60	100
21073	10/60 - 160	200	10	45	40	160	60	110
21074	10/60 - 170	200	10	45	40	170	60	120
21075	10/60 - 180	200	10	45	40	180	60	130
21076	10/60 - 190	200	10	45	40	190	60	140
21077	10/60 - 210	200	10	45	40	210	60	160

The values are in millimetres.

Characteristic and Recommended Tensile Strength		
Material	NRk (kN)	Recommended Load
C 12/15	0,4	0,2
C 16/20	0,6	0,3
C 50/60	0,6	0,3
Full fired brick	0,75	0,37
Perforated brick ONORM B6124	0,4	0,2
Perforated brick POROTHERM P+D 44	0,4	0,2
Hollow blocks made of lightweight concrete	0,4	0,2
Lightweight Aerated Concrete (LAC)	0,6	0,3
Aerated concrete (AAC 4)	0,5	0,25

Recommended load - safety factor 2 (1kN = 100 kg)

AERATED CONCRETE METAL DOWELS

HP – METAL DOWEL

Application

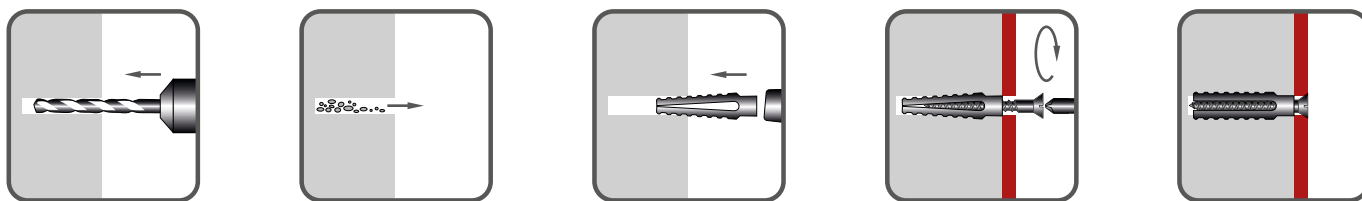
This dowel serves for attaching various things to hollow bricks as well as to solid materials. If used with porous concrete, the dowel can only be hammered in. If used with other materials, the hole should be prebored.

- Porous concrete, hollow brick, brick

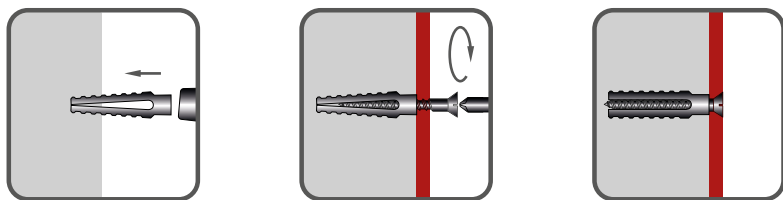
Advantages: Quick and easy application, excellent direction-keeping properties



Application | to solid materials



Application | into aerated concrete



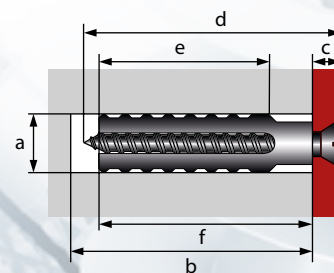
Fe | steel

Art. No.	Size	Pcs/ Package	Drill Diameter (a)	Screw Diameter	Min. dept of Borehole (b)	Wall Plug Length (f)	Expansion Length (e)
21813	5 x 30	200	6	3,5 - 5	40	30	25
21814	6 x 32	200	8	4,5 - 6	42	32	21
21815	8 x 38	100	10	6 - 8	48	38	31
21816	8 x 60	50	10	6 - 8	70	60	46
21817	10 x 60	50	12	8 - 10	70	60	46

The values are in millimetres.

Recommended Tensile Load				
Size	Porous Concrete G2	Porous Concrete G4	Concrete 250	Hollow Brick
5 x 30	0,8	1,6	1,8	1,4
6 x 32	0,9	1,7	2	1,5
8 x 38	1,6	2,9	3	2,1
8 x 60	1,9	3,9	4,7	2,2
10 x 60	2,1	4,6	5,5	2,2

Recommended load values in kN without safety factor (1kN = 100 kg)





INJECTION MORTARS | PU FOAMS | ADHESIVES

INJECTION MORTARS

INJECTION MORTAR BOSSONG BCR POLY SF

Bossong POLY SF is a high-quality two-component polyester styrene-free injection mortar for lower to medium loads. It has been CE and ETA certified for use in concrete and solid and hollow masonry. It is intended for interior installations in dry holes.



The ETA Certificate for installations into concrete

- Class 5.8 – 8.8 threaded rods, stainless steel A4 50-70-80
- M8 – M16 for concrete which is free of cracks "Option 7"
- The maximum depth of anchorage is up to twenty times the nominal diameter of the threaded rod.
- The operational temperature in the place of installation should, for a short time, be within the range of -40°C to + 50°C. For the long time up to + 40°C.

The ETA Certificate for installations into solid and hollow masonry

- Class 5.8 – 6.8 threaded rods, stainless steel A4 70
- M8 – M12 for solid masonry
- M8 – M12 for hollow masonry with the use of plastic screens/sieves 12x80, 15x85, 20x85
- The operational temperature in the place of installation should, for a short time, be within the range of -40°C to + 50°C. For the long time up to +40°C.

Application

Elements intended for wood, louvres, roll-up shutters, doors, fences, satellite dishes, municipal equipment, alarm systems, traffic signs, advertising boards, etc.

Art. No.	Name	Content	pcs/ package
21942	BCR POLY SF	300 ml	1
21945	BCR POLY SF	400 ml	1



INJECTION MORTAR BOSSONG BCR V-PLUS

Bosong BCR V-PLUS is a styrene-free professional vinyl-ester injection mortar for heavy loads with the CE and ETA Certificates for use in concrete. This injection mortar is intended for both interior and exterior installations in dry and wet concrete (threaded rods can be used even in submerged holes). The hardening reaction takes place even in the presence of water. Suitable for installations in concrete and in solid or hollow masonry.

The EOTA Certificate for use in seismically active zones, fire resistance up to R240

The ETA Certificate for reinforcing rods 8 mm to 32 mm in diameter

The ETA Certificate for Class 4,8 –12.9 threaded rods, stainless steel A4 70 – 80

- M8 – M30 for concrete which is free of cracks "Option 7"
- M10 – M20 for concrete with cracks "Option 1"

The operational temperature in the place of installation should, for a short time, be within the range of -40°C to + 120°C. For the long time up to +72°C. The maximum depth of anchorage is up to twenty times the nominal diameter of the threaded rod.

Application

Fences, guardrails, metal installations, concrete casts with supporting steel, cooling units, traffic signs, sunshades, ventilated façades, etc.

Art. No.	Name	Content	pcs/ package
21943	BCR V-PLUS	300 ml	1
21944	BCR V-PLUS	400 ml	1



ACCESSORIES

Art. No.	Name	Size
21165	Plastic screen/sieve 12x50	12x50 mm
21166	Plastic screen/sieve 15x85	15x85 mm
21167	Plastic screen/sieve 15x125	15x125 mm
21946	Plastic screen/sieve 15x135	15x135 mm
21168	Plastic screen/sieve 20x85	20x85 mm
22084	Metal screen/sieve 1000 mm	For the M6 – M8 diameter
21169	Metal screen/sieve 1000 mm	For the M8 - M10 diameter
21170	Metal screen/sieve 1000 mm	For the M12 diameter
21171	Metal screen/sieve 1000 mm	For the M16 diameter
21172	Metal screen/sieve 1000 mm	For the M20 diameter
21330	Metal brush to clean holes	M8/M
21331	Metal brush to clean holes	M10/M
21332	Metal brush to clean holes	M12/M
21333	Metal brush to clean holes	M16/M
21334	Metal brush to clean holes	M20/M
21335	Metal brush to clean holes	M26/M
21336	Metal brush to clean holes	M30/M
21328	Dosing gun	280/300 ml
21948	Dosing gun	400 ml
21337	Pump to blow out drillings	



INJECTION MORTARS

PU MOUNTING FOAMS

- The low expansion of the foam prevents materials from undesirable expansion
- Quick curing makes work more effective
- Suitable for year-round use
- High density of foam in the crack

Application

- Installation of windows, door frames and window sills
- Excellent adherence to various building materials
- Filling gaps, construction and other holes
- Good acoustic- and thermal insulation properties

Application Temperatures

Air temperature during application: - 10°C to +35°C

Temperature of the container during application

The best results at +20°C

WOLF LOW-EXPANSION FOAM, 750 ML (TUBULAR)

- Container: 1000 ml
- Filling: 750 ml

Art. No.	Packing
23204	1 pc / 12 pcs in outercarton



WOLF MAXX 65 L LOW-EXPANSION FOAM, 850 ML (GUN)

- Increased filling capacity 65 l, i. e . 30 % more if compared with common foams
- Filling: 850 ml
- Time of creation of a non-sticking layer: 10 minutes
- The foam can be cut after: 25 minutes

Art. No.	Packing
23309	1 pc / 12 pcs in outercarton



WOLF HIGH-EXPANSION FOAM, 700 ML (TUBULAR)

- Filling capacity: 35 to 40 litres
- Time of creation of a non-sticking layer: 12 minutes
- The foam can be cut after: 25 minutes

Art. No.	Packing
23307	1 pc / 12 pcs in outercarton



WOLF ALPIN 50 L WINTER LOW-EXPANSION FOAM, 750 ML (GUN)

- PU foam for winter use with a special formula intended for extreme frosts up to -18°C
- Very comfortable application even with the undercooled container
- Increased filling capacity up to 50 litres
- Decreasing temperature decreases the filling capacity and extends the drying time
- Time of creation of a non-sticking layer: 10 minutes
- The foam can be cut after: 25 minutes
- Air temperature during application: -18°C to +30°C

Art. No.	Packing
23311	1 pc / 12 pcs in outercarton



WOLF PROFI LOW-EXPANSION FOAM (GUN)

- Container: 1000 ml
- Filling: 750 ml

Art. No.	Packing
23191	1 pc / 12 pcs in outercarton



WOLF MEGA 70 L LOW-EXPANSION FOAM (GUN)

- Increased filling capacity 70 litres, 50% more if compared with common foams
- Filling: 870 ml
- Flammability class B2 DIN: 4102
- Time of creation of a non-sticking layer: 8 minutes
- The foam can be cut after: 20 minutes

Art. No.	Packing
23310	1 pc / 12 pcs in outercarton



WOLF HIGH-EXPANSION FOAM, 700 ML (TUBULAR)

- Filling capacity: 35 to 40 litres
- Time of creation of a non-sticking layer: 12 minutes
- The foam can be cut after: 30 minutes

Art. No.	Packing
23308	1 pc / 12 pcs in outercarton



ADHESIVES

WOLF FIX POLYSTYREN 78P, 750 ML, ADHESIVE FOR POLYSTYRENE (GUN)

An adhesive intended for glueing the EPS, XPS, TPD polystyrene and mineral wool. Suitable for façades of both new and old buildings as well as for modified asphalt strips used as a base for flat roofs. Owing to its zero expansion, it is suitable for glueing door-lining frames. Fully functional after just 2 hours. Low cost, quick and easy application.

- Glueing capacity (depending on the evenness of the surface): 10 to 12 m²
- Time of creation of a non-sticking layer: 10 minutes
- The adhesive can be cut after: 25 minutes
- Air temperature during application: +5°C to +35°C
- Temperature of the container during application: +5°C to +35°C

Art. No.	Packing
23312	1 pc / 12 pcs in outercarton



WOLF FIX STONE UNI 89B, 750 ML, ADHESIVE FOR BRICKS (GUN)

An adhesive intended for fixing building materials such as porous concrete, bricks, concrete, stone and geopolymer (artificial rock). Lower cost, quick and easy application. The adhesive does not form any thermal bridges.

- Glueing capacity: 50 to 60 running metres depending on the evenness of the surface
- Time of creation of a non-sticking layer: 10 minutes
- The adhesive can be cut after: 25 minutes
- Air temperature during application: +5°C to +35°C
- Temperature of the container during application: +5°C to +35°C

Art. No.	Packing
23313	1 pc / 12 pcs in outercarton



WOLF FIX SPEED 90S, 750 ML, QUICKSETTING ADHESIVE (GUN)

A polyurethane-based adhesive with extreme fast-drying properties. The initial bond is created after 90 seconds. The adhesive is intended for glueing plasterboards and OSB boards, window sills and steps. Lower cost, easy and quick application.

- Glueing capacity: 10 to 12 m² depending on the evenness of the surface
- Application without the use of a primer
- Time of creation of a non-sticking layer: 5 minutes
- The adhesive can be cut after: 10 minutes
- Air temperature during application: +5°C to +35°C
- Temperature of the container during application: +5°C to +35°C

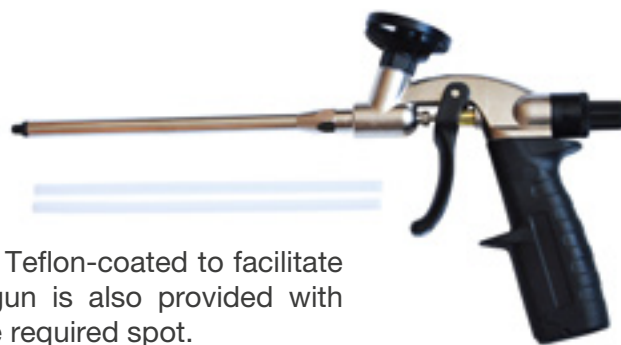
Art. No.	Packing
23314	1 pc / 12 pcs in outercarton



PROFI PU DISPENSING GUN TEFLON COATED

A professional gun with a control valve to apply expansion (montage) foam. The body of the gun is made of high-quality steel, the surface of the gun is Teflon-coated to facilitate cleaning the gun from remaining PU foam. The gun is also provided with application tubes to apply the foam accurately to the required spot.

Art. No.	Packing
22017	1 pc



ECONOMY PU DISPENSING GUN

A high-quality foam gun with a control valve. The gun is provided with application tubes to apply the foam accurately to the required spot.

Art. No.	Packing
22018	1 pc



WOLF GUN AND FOAM CLEANER, 500 ML (GUN)

The PU cleaner is a mixture of organic solvents and propelling gas. It is intended for removing non-cured foam from various surfaces. It is also an excellent agent to clean the inside of foam guns. After attaching the spraying adapter, the foam gun can be cleaned from the outside or the adapter can be used for cleaning surfaces spattered with fresh PU foam. The PU cleaner cleans and degreases. Cured foam can only be removed mechanically.

- Caution – owing to its dissolving capacity, the cleaner can damage (by etching) some plastic surfaces (e.g. Plexiglass, Perspex)

Art. No.	Packing
23311	1 pc / 12 pcs in outercarton

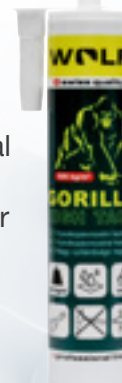


GORILLA HIGH TACK MOUNTING ADHESIVE, 290 ML

A single-component hybrid MS polymer-based adhesive with immediate fixation of up to 500 kg/m².

- Intended for general use in the building industry both in interiors and exteriors.
- It can be used for stainless steel, aluminium, copper, glass, PUR, PVC, plastics, concrete, ceramic tiles, enamel, mirrors, wood, masonry, plasterboard, OSB boards, floor bases, etc.
- It can also be used in the car- and other industries to glue car and trailer bodies and metal containers.
- Excellent adhesion without any primer even to slightly damp surfaces. Humidity and water resistant.
- It can be painted with suitable dispersed paints and varnishes.

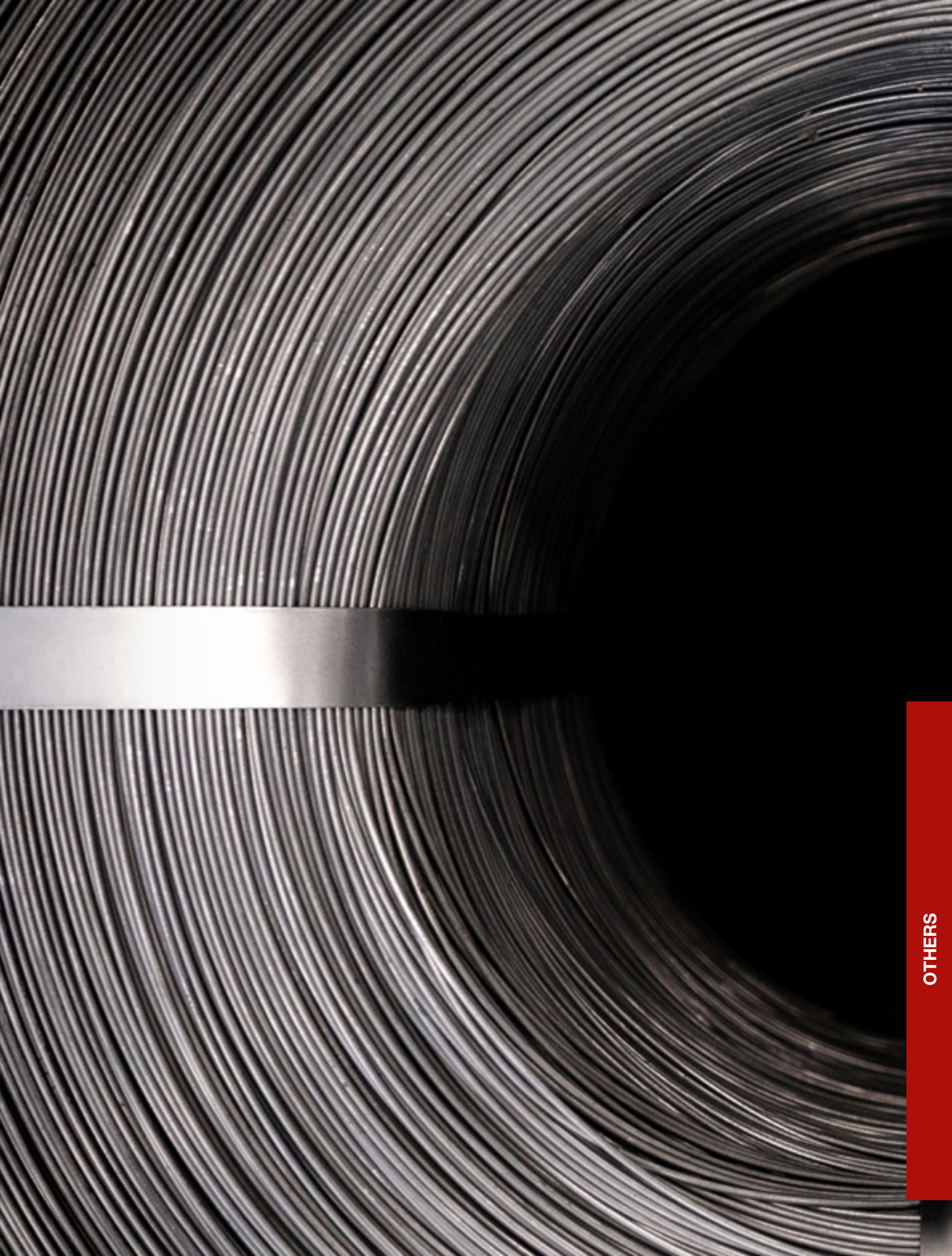
Art. No.	Packing
23999	1 pc / 12 pcs in outercarton





OTHERS

- Cramps
- Binding wires
- Double loop wire ties
- Cutting blades
- Drills



OTHERS

CARPENTER CRAMPS

Description

The connecting part made of steel profile. Cramp ends are bent into "U" shape and formed into a point for easier penetration into the material during hammering. Connecting of e.g. wooden beams.

Fe | steel

Art. No.	Dimensions	pcs/ package
10075	10x200	1
9800	12x250	1
10076	12x300	1
10077	12x350	1
19658	14x250	1



ANNEALED BINDING WIRES

BLACK

Description

Annealed wires are specially heat treated wires which are very easily flexible, unstretchable and are used most often as a binding instrument.

Wire is natural and in moisture oxidizes, rusts. Rolls are sold with a mild preservative oil or galvanized.

Steel wire soft, annealed, galvanized is thanks to galvanizing more resistant to weather effects and its service life is significantly extended.

Application: Wire is used for binding paper, metal, wood, for the manufacture of valves, tied to hops, wine, flower arrangement, plastic waste, etc...

Fe | steel

Art. No.	Diameter	pcs/ package
20909	0,8 mm NO NAME	1 pc
8891	1 mm	Coil 2 kg
14472	1,2 mm	Coil 2 kg
14181	1,4 mm	Coil 2 kg
8566	1,6 mm	Coil 2 kg
8664	1,8 mm	Coil 2 kg
9196	2,0 mm	Coil 5 kg
9413	2,2 mm	Coil 5 kg
8665	2,5 mm	Coil 5 kg
22500	2,8 mm	Coil 5 kg
8567	3,1 mm	Coil 5 kg
9414	3,8 mm	Coil 5 kg



ANNEALED BINDING WIRES

GALVANIZED

Description

Annealed wires are specially heat treated wires which are very easily flexible, unstretchable and are used most often as a binding instrument.

Wire is natural and in moisture oxidizes, rusts. Rolls are sold with a mild preservative oil or galvanized.

Steel wire soft, annealed, galvanized is thanks to galvanizing more resistant to weather effects and its service life is significantly extended.

Application: Wire is used for binding paper, metal, wood, for the manufacture of valves, tied to hops, wine, flower arrangement, plastic waste, etc...

Fe | steel, galvanized

Art. No.	Diameter	pcs/ package
8763	1 mm	Coil 2 kg
8666	1,2 mm	Coil 2 kg
9415	1,4 mm	Coil 2 kg
8568	1,6 mm	Coil 2 kg
8765	1,8 mm	Coil 2 kg
9306	2,0 mm	Coil 5 kg
9416	2,2 mm	Coil 5 kg
9419	2,5 mm	Coil 5 kg
8768	2,8 mm	Coil 5 kg
8569	3,1 mm	Coil 5 kg
8769	3,4 mm	Coil 5 kg



DOUBLE LOOP WIRE TIES

Application

Black annealed double loop ties, (wire bag ties), are an alternative to standard tying wire. Specifically designed to bent around the reinforcing bar or to bind bags.

Wire Fe | diameter 1,25 mm

Art. No.	Length	pcs/ package
22935	100	1000
22936	125	1000
22937	140	1000
22938	160	1000



CUTTING BLADES

Application

Cutting blades for angle grinders to cut steel, stainless steel, metal sheets, profiles, etc.

Made in accordance with safety standards. A dense mesh with a top-quality bonding agent to extend the service life.

Grit: A46

Speed: 13,300 /minute

Suitable for steel /stainless steel

Art. No.	Dimensions	pcs/ package
23453	115x1,0x22,23	1
23454	125x1,0x22,23	1
23455	150x1,6x22,23	1
23456	230x2,0x22,23	1



SDS PLUS DRILLS FOR MASONRY, CONCRETE AND STONE

Application

Intended for drilling bricks, masonry, masonry units and granite. The drill is provided with a hardened-metal point to increase the power and wear stability. The steel chrome-vanadium shaft is fully hardened to have the best possible bending strength and longer service life.

Self-centering point to facilitate the beginning of drilling.

Owing to enlarged helix, the drill penetrates the material better and can be more easily pulled out. It also carries drills and crushed material away very quickly.

Its extra-short drilling head prevents clogging the helix.

Art. No.	Dimensions	pcs/ package
23564	10x100/160 – 2 blades	1
23565	10x150/210 – 2 blades	1
23566	10x200/260 – 2 blades	1
23567	10x250/310 – 2 blades	1
23580	10x50/110 – 2 blades	1
23568	12x100/160 – 2 blades	1
23569	12x150/210 – 2 blades	1
23570	12x200/260 – 2 blades	1
23571	12x250/310 – 2 blades	1
23572	14x100/160 – 2 blades	1
23573	14x150/210 – 2 blades	1
23574	14x200/260 – 2 blades	1
23575	14x250/310 – 2 blades	1
23576	16x100/160 – 2 blades	1
23577	16x150/210 – 2 blades	1
23578	16x200/260 – 2 blades	1
23579	16x250/310 – 2 blades	1
23548	5x50/110 – 2 blades	1
23549	5x100/160 – 2 blades	1
23550	5x150/210 – 2 blades	1
23551	6x50/110 – 2 blades	1
23552	6x100/160 – 2 blades	1
23553	6x150/210 – 2 blades	1
23554	6x200/260 – 2 blades	1
23555	6x250/310 – 2 blades	1
23556	6,5x150/210 – 2 blades	1

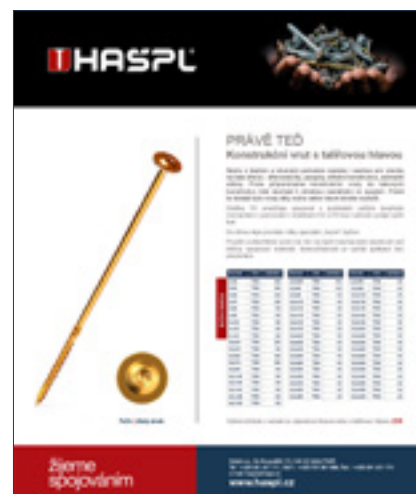
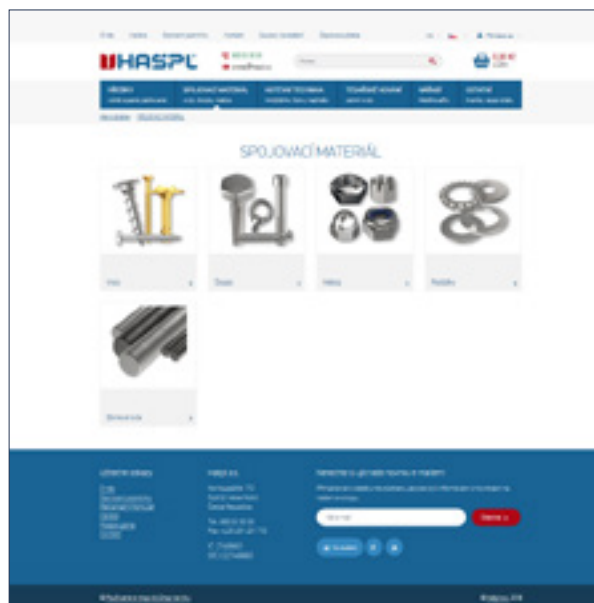
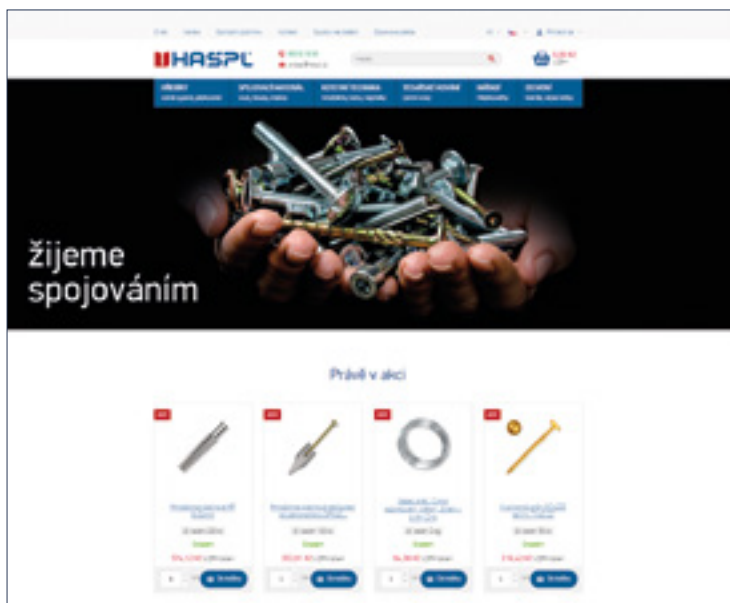
Art. No.	Dimensions	pcs/ package
23557	6,5x200/260 – 2 blades	1
23558	6,5x250/210 – 2 blades	1
23559	8x50/110 – 2 blades	1
23560	8x100/160 – 2 blades	1
23561	8x150/210 – 2 blades	1
23562	8x200/260 – 2 blades	1
23563	8x250/310 – 2 blades	1

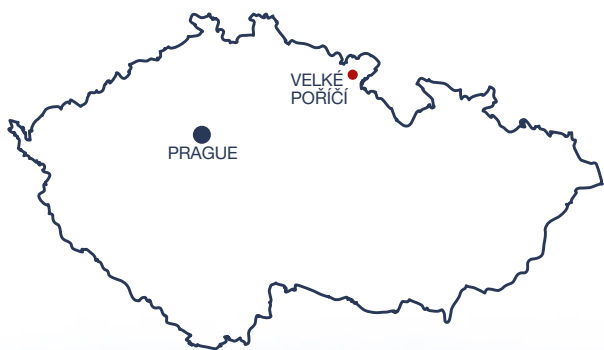


SALES SUPPORT

We emphasize communication with customers - we created an up-to-date web presentation, prepared an innovative e-shop, added communication channels (social networks).

We help our customers with the sales support of Hašpl products at their sales points.





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