

# Fasteners | catalogue



[www.haspl.eu](http://www.haspl.eu)

**HASPL®**

we live  
for fastening

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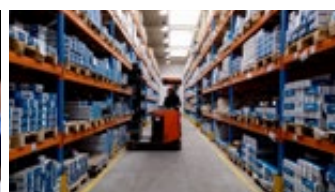
# HASPL®



Hašpl a.s. is one of the leading European companies specialized in the nail production as well as the sale of other fasteners in the field of construction industry and wooden packaging. Over 25 years we are the reliable partner for the producers of wooden pallets, wholesalers, retails, but also small-sized craftsmen. We supply the fasteners of our standard production range, but we also make products that are tailor-made to customer's requirement.

The main idea and purpose of our work is to connect, bring together - literally, by what we produce and deliver, as well as how we treat our employees, our partners and our neighbourhood. This is why we have chosen as our motto the phrase **... we live for fastening.**

- 1991** Mr. Václav Hašpl establishes a family production of nails in Machov.
- 1993** Moving the company into larger rented premises in Hronov.
- 1999** The company moved to its own premises in Velké Poříčí.
- 2003** We started the second production unit in Hronov.
- 2005** The legal form changed from the original natural person Václav Hašpl to the joint stock company Hašpl a.s.
- 2011** On the occasion of the 20th anniversary of the founding of the company we introduced a new logo and a new visual style of Hašpl a.s.
- 2012** We are expanding our range! Now we offer a wide variety of fasteners starting from nails, over screws up to timber connectors. The company has grown to a qualified team of 180 employees with a production capacity of 22 000 tons of nails per year.
- 2016** In the year when the company celebrated 25 years since its establishment, we launched a central warehouse and shipping point of the complete product range in Hynčice, where the factory shop was also moved from Velké Poříčí.
- 2018** We lay stress on the communication with the customers - we created an up-to-date web presentation, we prepared an innovated E-shop, and we added new communication channels (social media).





# 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, to release the free trade of building materials in the EU.

In 1989 took over this task the European Committee for Standardization (CEN), which set the rules for the design and construction of civil buildings, so called Eurocodes, which replace existing national standards.

### EN1995, EUROCODE 5

Standard EN 1995, including her belonging National annex (NA), applies to the design of high-rise engineering of wood and wood materials. EUROCODE 5 specifies the requirements for a variety of fasteners (nails, staples, screws) and fix the capacity and strength of individual connections based on relevant standards. For requirements of EUROCODE 5 is determining the standard EN 14592.

### EN 14592

Standard EN 14592 defines the material properties, geometry and test methods for determination of mechanical properties of fasteners. On the basis of fulfilling these requirements, the product can be marked with CE.

### CE

By means of the symbol CE the manufacturer declares that the product is in conformity with given properties by EU regulation no. 765/2008 and by using safely corresponds its purpose.

### SERVICE CLASS

For the design and construction of wooden structures are wood moisture and external climatic conditions very important factors.

#### SERVICE CLASS 1



for environments with balanced moisture, mostly indoors

humidity in coniferous woods up to 12%

by the fasteners is not necessary any protection against corrosion, nails without any surface treatment and nails galvanized with layer thinner than 8  $\mu\text{m}$

#### SERVICE CLASS 2

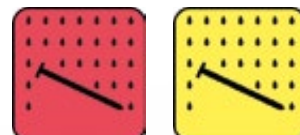


for environments with balanced moisture, for example the roof structure

humidity in coniferous woods up to 20%

by the fasteners is required surface treatment by galvanized layer not thinner than 12  $\mu\text{m}$  and yellow passivation or any other equivalent zincing

#### SERVICE CLASS 3



for environments with high humidity and aggressive climatic conditions

outdoor use

coniferous woods humidity greater than 20%

by the fasteners is required hot-dipped zinc coating with layer thickness higher than 50  $\mu\text{m}$ , or stainless steel material



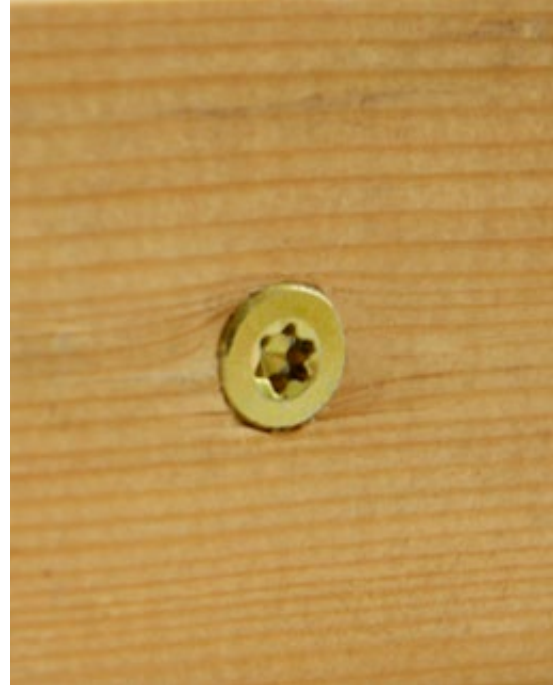
# CONSTRUCTION SCREWS

## 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**

Size	Bit	Pcs/box
3,0x30	TX10	1000
3,0x35	TX10	1000
3,0x40	TX10	1000
3,0x45	TX10	500
3,5x30	TX15	1000
3,5x35	TX15	1000
3,5x40	TX15	1000
3,5x50	TX15	1000
4,0x30	TX20	500
4,0x40	TX20	500
4,0x45	TX20	500
4,0x50	TX20	500
4,0x60	TX20	200
4,0x70	TX20	200
4,5x40	TX25	500
4,5x45	TX25	500
4,5x50	TX25	500
4,5x60	TX25	200
4,5x70	TX25	200
4,5x80	TX25	200
5,0x40	TX25	500
5,0x50	TX25	200
5,0x60	TX25	200
5,0x70	TX25	200
5,0x80	TX25	200
5,0x90	TX25	200
5,0x100	TX25	200

Size	Bit	Pcs/box
5,0x120	TX25	200
6,0x50	TX30	200
6,0x60	TX30	200
6,0x70	TX30	200
6,0x80	TX30	100
6,0x90	TX30	100
6,0x100	TX30	100
6,0x120	TX30	100
6,0x140	TX30	100
6,0x160	TX30	100
6,0x180	TX30	100
6,0x200	TX30	100
8,0x80	TX40	50
8,0x100	TX40	50
8,0x120	TX40	50
8,0x140	TX40	50
8,0x160	TX40	50
8,0x180	TX40	50
8,0x200	TX40	50
8,0x220	TX40	50
8,0x240	TX40	50
8,0x260	TX40	50
8,0x280	TX40	50
8,0x300	TX40	50
8,0x320	TX40	50
8,0x340	TX40	50
8,0x360	TX40	50

Size	Bit	Pcs/box
8,0x380	TX40	50
8,0x400	TX40	50
10,0x80	TX40	50
10,0x100	TX50	50
10,0x120	TX50	50
10,0x140	TX50	50
10,0x160	TX50	50
10,0x180	TX50	50
10,0x200	TX50	50
10,0x220	TX50	50
10,0x240	TX50	50
10,0x260	TX50	50
10,0x280	TX50	50
10,0x300	TX50	25
10,0x320	TX50	25
10,0x340	TX50	25
10,0x360	TX50	25
10,0x380	TX50	25
10,0x400	TX50	25



CE



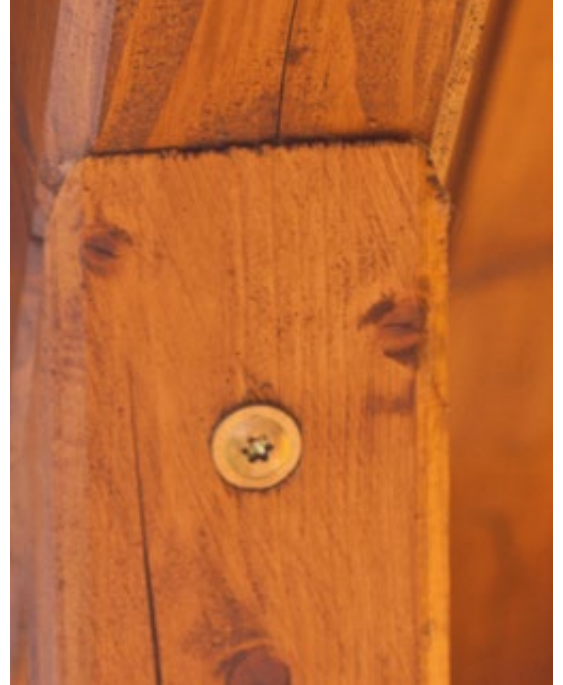
# CONSTRUCTION SCREWS

## 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

Size	Bit	Pcs/box
5x40	TX25	200
5x50	TX25	200
5x60	TX25	200
5x70	TX25	200
5x80	TX25	100
5x90	TX25	100
5x100	TX25	100
5x120	TX25	100
5x140	TX25	100
6,0x40	TX30	200
6,0x50	TX30	100
6,0x60	TX30	200
6,0x70	TX30	200
6,0x80	TX30	100
6,0x100	TX30	100
6,0x120	TX30	100
6,0x140	TX30	100
6,0x160	TX30	100
6,0x180	TX30	100
6,0x200	TX30	100
8,0x60	TX40	100
8,0x80	TX40	50
8,0x100	TX40	50
8,0x120	TX40	50
8,0x140	TX40	50
8,0x160	TX40	50
8,0x180	TX40	50
8,0x200	TX40	50

Size	Bit	Pcs/box
8,0x220	TX40	50
8,0x240	TX40	50
8,0x260	TX40	50
8,0x280	TX40	50
8,0x300	TX40	50
8,0x320	TX40	50
8,0x340	TX40	50
8,0x360	TX40	50
8,0x380	TX40	50
8,0x400	TX40	50
10,0x80	TX40	50
10,0x100	TX50	50
10,0x120	TX50	50
10,0x140	TX50	50
10,0x160	TX50	50
10,0x180	TX50	50
10,0x200	TX50	50
10,0x220	TX50	50
10,0x240	TX50	50
10,0x260	TX50	50
10,0x280	TX50	50
10,0x300	TX50	25
10,0x320	TX50	25
10,0x340	TX50	25
10,0x360	TX50	25
10,0x380	TX50	25
10,0x400	TX50	25



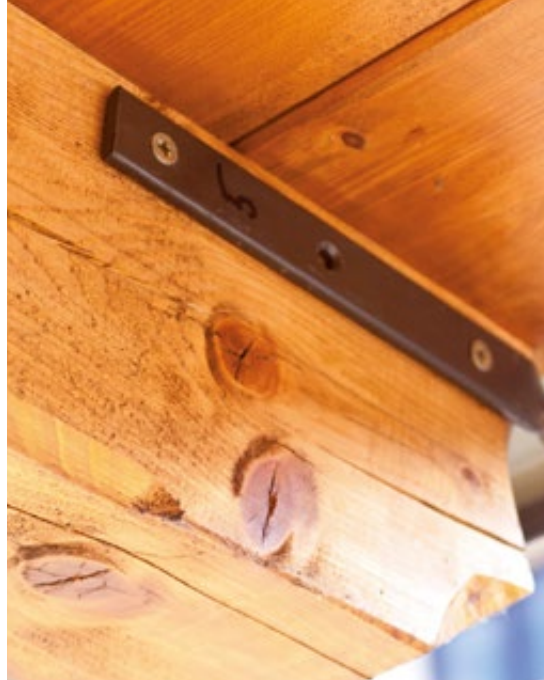
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# CHIPBOARD SCREWS

## 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 high-strength and durable materials and they are yellow or silver galvanized.



**FeZn | yellow galvanized**

Size	Bit	Pcs/box
2,5x10	PZ1	2000
2,5x12	PZ1	2000
2,5x16	PZ1	2000
2,5x20	PZ1	2000
2,5x25	PZ1	2000
2,5x30	PZ1	1000
3,0x10	PZ1	2000
3,0x12	PZ1	2000
3,0x16	PZ1	2000
3,0x20	PZ1	2000
3,0x25	PZ1	1000
3,0x30	PZ1	1000
3,0x35	PZ1	1000
3,0x40	PZ1	1000
3,0x45	PZ1	1000
3,0x50	PZ1	500
3,5x10	PZ2	2000
3,5x12	PZ2	2000
3,5x16	PZ2	2000
3,5x20	PZ2	2000
3,5x25	PZ2	1000
3,5x30	PZ2	1000
3,5x35	PZ2	1000
3,5x40	PZ2	1000
3,5x45	PZ2	500
3,5x50	PZ2	500
4,0x12	PZ2	2000

Size	Bit	Pcs/box
4,0x16	PZ2	1000
4,0x20	PZ2	1000
4,0x25	PZ2	1000
4,0x30	PZ2	1000
4,0x35	PZ2	500
4,0x40	PZ2	500
4,0x45	PZ2	500
4,0x50	PZ2	500
4,0x60	PZ2	400
4,0x70	PZ2	250
4,5x16	PZ2	500
4,5x20	PZ2	500
4,5x25	PZ2	500
4,5x30	PZ2	500
4,5x35	PZ2	500
4,5x40	PZ2	500
4,5x45	PZ2	500
4,5x50	PZ2	250
4,5x60	PZ2	250
4,5x70	PZ2	250
4,5x80	PZ2	200
5,0x20	PZ2	500
5,0x25	PZ2	500
5,0x30	PZ2	500
5,0x35	PZ2	500
5,0x40	PZ2	500
5,0x45	PZ2	400

Size	Bit	Pcs/box
5,0x50	PZ2	250
5,0x60	PZ2	250
5,0x70	PZ2	200
6,0x40	PZ3	250
6,0x45	PZ3	250
6,0x50	PZ3	250
6,0x60	PZ3	200
6,0x70	PZ3	200
6,0x80	PZ3	150





# 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 high-strength and durable materials and they are yellow or silver galvanized.



### FeZn | yellow galvanized

Size	Bit	Pcs/box
3,0x30/18	PZ1	1000
3,0x40/24	PZ1	1000
3,0x45/30	PZ1	1000
3,0x50/30	PZ1	500
3,5x45/30	PZ2	500
3,5x50/30	PZ2	500
3,5x60/36	PZ2	500
4,0x30/18	PZ2	1000
4,0x40/24	PZ2	500
4,0x45/30	PZ2	400
4,0x50/30	PZ2	500
4,0x60/36	PZ2	400
4,0x70/42	PZ2	250
4,0x80/50	PZ2	200
4,5x30/18	PZ2	500
4,5x35/24	PZ2	500
4,5x40/24	PZ2	500
4,5x45/30	PZ2	500
4,5x50/30	PZ2	400
4,5x60/36	PZ2	250
4,5x70/42	PZ2	250
4,5x80/50	PZ2	200
4,5x90/60	PZ2	100
5,0x40/24	PZ2	500
5,0x45/30	PZ2	400
5,0x50/30	PZ2	400
5,0x60/36	PZ2	250

Size	Bit	Pcs/box
5,0x70/42	PZ2	200
5,0x80/50	PZ2	200
5,0x90/60	PZ2	100
5,0x100/60	PZ2	100
5,0x120/70	PZ2	100
5,0x140/70	PZ2	100
6,0x50/30	PZ3	250
6,0x60/36	PZ3	200
6,0x70/42	PZ3	200
6,0x80/50	PZ3	150
6,0x90/60	PZ3	100
6,0x100/60	PZ3	100
6,0x110/70	PZ3	100
6,0x120/70	PZ3	100
6,0x130/70	PZ3	100
6,0x140/70	PZ3	100
6,0x150/70	PZ3	100
6,0x160/70	PZ3	100
6,0x180/70	PZ3	100
6,0x200/70	PZ3	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 high-strength and durable materials and they are yellow or silver galvanized.



**FeZn | yellow galvanized**

Size	Bit	Pcs/box
3,0x12	TX10	2000
3,0x16	TX10	2000
3,0x20	TX10	2000
3,0x25	TX10	1000
3,0x30	TX10	1000
3,0x35	TX10	1000
3,0x40	TX10	1000
3,0x45	TX10	1000
3,5x16	TX20	2000
3,5x20	TX20	2000
3,5x25	TX20	1000
3,5x30	TX20	1000
3,5x35	TX20	1000
3,5x40	TX20	500
3,5x45	TX20	500
3,5x50	TX20	500
4,0x16	TX20	1000
4,0x20	TX20	1000
4,0x25	TX20	1000
4,0x30	TX20	1000
4,0x35	TX20	500
4,0x40	TX20	500
4,0x45	TX20	400
4,0x50	TX20	500

Size	Bit	Pcs/box
4,0x60	TX20	400
4,0x70	TX20	250
4,5x20	TX20	500
4,5x25	TX20	500
4,5x30	TX20	500
4,5x35	TX20	500
4,5x40	TX20	500
4,5x45	TX20	500
4,5x50	TX20	400
4,5x60	TX20	250
5,0x20	TX25	500
5,0x25	TX25	500
5,0x30	TX25	500
5,0x35	TX25	500
5,0x40	TX25	500
5,0x45	TX25	400
5,0x50	TX25	250
5,0x60	TX25	250
5,0x70	TX25	200
6,0x40	TX30	250
6,0x50	TX30	250
6,0x60	TX30	200
6,0x70	TX30	200
6,0x80	TX30	150



CE

# 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 high-strength and durable materials and they are yellow or silver galvanized.



### Stainless steel | A2

Size	Bit	Pcs/box
3,0x16	TX10	1000
3,0x20	TX10	1000
3,0x25	TX10	500
3,0x30	TX10	500
3,0x35	TX10	500
3,0x40	TX10	500
3,5x16	TX20	1000
3,5x20	TX20	1000
3,5x25	TX20	500
3,5x30	TX20	200
3,5x35	TX20	200
3,5x40	TX20	200
3,5x50	TX20	200
4,0x16	TX20	1000
4,0x20	TX20	1000
4,0x25	TX20	500
4,0x30	TX20	200
4,0x35	TX20	200
4,0x40	TX20	200
4,0x45	TX20	200
4,0x50	TX20	200
4,0x60	TX20	200
4,5x20	TX20	500
4,5x25	TX20	500

Size	Bit	Pcs/box
4,5x30	TX20	200
4,5x35	TX20	200
4,5x40	TX20	200
4,5x45	TX20	200
4,5x50	TX20	200
4,5x60	TX20	100
5,0x20	TX25	500
5,0x25	TX25	500
5,0x30	TX25	200
5,0x35	TX25	200
5,0x40	TX25	200
5,0x45	TX25	200
5,0x50	TX25	200
5,0x60	TX25	100
5,0x70	TX25	100
5,0x80	TX25	100
5,0x90	TX25	100
6,0x40	TX30	200
6,0x45	TX30	200
6,0x50	TX30	100
6,0x60	TX30	100
6,0x70	TX30	100
6,0x80	TX30	100
6,0x100	TX30	100



CE

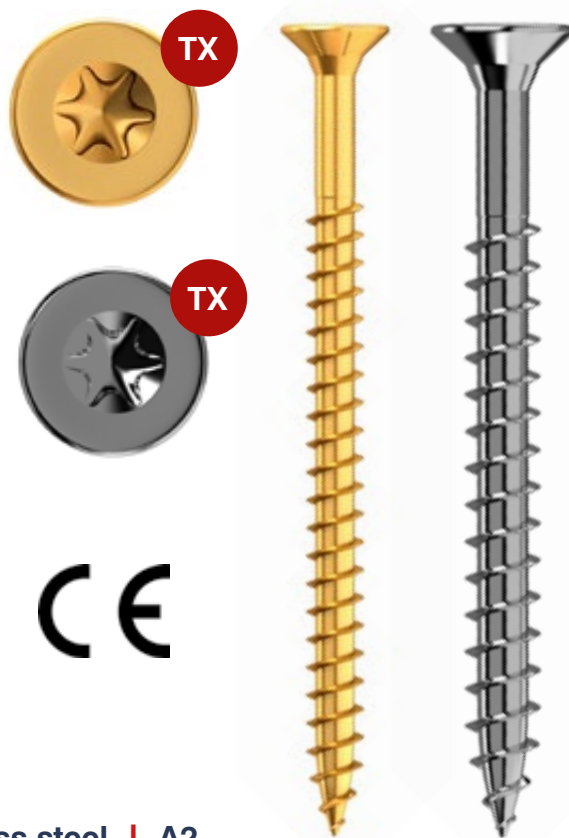


# CHIPBOARD SCREWS

## 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 high-strength and durable materials and they are yellow or silver galvanized.



### FeZn | yellow galvanized

Size	Bit	Pcs/box	Size	Bit	Pcs/box
3,0x30/18	TX10	1000	5,0x40/24	TX25	500
3,0x35/24	TX10	1000	5,0x45/30	TX25	400
3,0x40/24	TX10	1000	5,0x60/36	TX25	200
3,0x45/30	TX10	1000	5,0x70/42	TX25	200
3,5x30/18	TX20	1000	5,0x90/60	TX25	100
3,5x35/24	TX20	1000	5,0x100/60	TX25	100
3,5x40/24	TX20	500	5,0x120/70	TX25	100
3,5x45/30	TX20	500	6,0x50/30	TX30	250
3,5x50/30	TX20	500	6,0x60/36	TX30	200
4,0x30/18	TX20	1000	6,0x70/42	TX30	200
4,0x35/24	TX20	500	6,0x80/50	TX30	150
4,0x40/24	TX20	500	6,0x90/60	TX30	100
4,0x45/30	TX20	400	6,0x100/60	TX30	100
4,0x50/30	TX20	500	6,0x110/70	TX30	100
4,0x60/36	TX20	400	6,0x120/70	TX30	100
4,0x70/42	TX20	250	6,0x130/70	TX30	100
4,5x35/24	TX20	500	6,0x140/70	TX30	100
4,5x40/24	TX20	500	6,0x150/70	TX30	100
4,5x45/30	TX20	500	6,0x160/70	TX30	100
4,5x50/30	TX20	400	6,0x180/70	TX30	100
4,5x60/36	TX20	250	6,0x200/70	TX30	100
4,5x70/42	TX20	200	6,0x280/70	TX30	100
4,5x80/50	TX20	200			

### Stainless steel | A2

Size	Bit	Pcs/box	Size	Bit	Pcs/box
3,0x35/24	TX10	500	5,0x50/30	TX25	200
3,0x40/24	TX10	500	5,0x60/36	TX25	100
3,5x30/18	TX20	200	5,0x70/42	TX25	100
3,5x35/24	TX20	200	5,0x80/50	TX25	100
3,5x40/24	TX20	200	5,0x90/60	TX25	100
3,5x50/30	TX20	200	5,0x100/60	TX25	100
4,0x35/24	TX20	200	6,0x40/24	TX30	200
4,0x40/24	TX20	200	6,0x45/30	TX25	200
4,0x45/30	TX20	200	6,0x50/30	TX30	100
4,0x50/30	TX20	200	6,0x60/36	TX30	100
4,0x60/36	TX20	200	6,0x70/42	TX30	100
4,0x70/42	TX20	200	6,0x80/50	TX30	100
4,0x80/50	TX20	100	6,0x90/60	TX30	100
4,5x35/24	TX20	200	6,0x100/60	TX30	100
4,5x40/24	TX20	200	6,0x120/70	TX30	100
4,5x45/30	TX20	200	6,0x140/70	TX30	100
4,5x50/30	TX20	200			
4,5x60/36	TX20	100			
4,5x70/42	TX20	100			
4,5x80/50	TX20	100			
5,0x35/24	TX25	200			
5,0x40/24	TX25	200			
5,0x45/30	TX25	200			

# 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 high-strength and durable materials and they are yellow or silver galvanized.

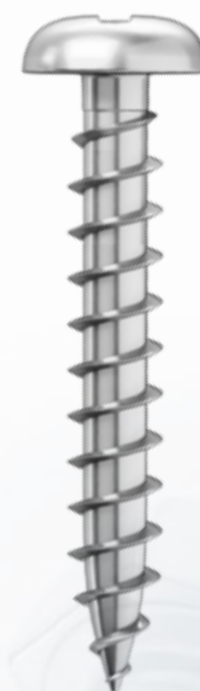


### FeZn | silver galvanized

Size	Bit	Pcs/box
2,5x12	PZ1	2000
2,5x16	PZ1	2000
2,5x20	PZ1	2000
2,5x25	PZ1	2000
2,5x30	PZ1	1000
3,0x12	PZ1	2000
3,0x16	PZ1	2000
3,0x20	PZ1	2000
3,0x25	PZ1	1000
3,0x30	PZ1	1000
3,0x35	PZ1	1000
3,0x40	PZ1	1000
3,5x12	PZ2	2000
3,5x16	PZ2	2000
3,5x20	PZ2	2000
3,5x25	PZ2	1000
3,5x30	PZ2	1000
3,5x35	PZ2	1000
3,5x40	PZ2	1000
3,5x45	PZ2	500
4,0x10	PZ2	2000
4,0x12	PZ2	2000
4,0x16	PZ2	1000
4,0x20	PZ2	1000
4,0x25	PZ2	1000
4,0x30	PZ2	1000
4,0x35	PZ2	500

Size	Bit	Pcs/box
4,0x40	PZ2	500
4,0x45	PZ2	400
4,0x50	PZ2	500
4,0x60	PZ2	400
4,0x70	PZ2	250
4,5x12	PZ2	500
4,5x16	PZ2	500
4,5x20	PZ2	500
4,5x25	PZ2	500
4,5x30	PZ2	500
4,5x35	PZ2	500
4,5x40	PZ2	500
4,5x45	PZ2	500
4,5x50	PZ2	400
4,5x60	PZ2	250
4,5x70	PZ2	250
4,5x80	PZ2	200
5,0x16	PZ2	500
5,0x20	PZ2	500
5,0x25	PZ2	500
5,0x30	PZ2	500
5,0x35	PZ2	500
5,0x40	PZ2	500
5,0x45	PZ2	400
5,0x50	PZ2	250
5,0x60	PZ2	250
5,0x70	PZ2	200

Size	Bit	Pcs/box
5,0x80	PZ2	200
5,0x90	PZ2	100
5,0x100	PZ2	100
6,0x20	PZ3	250
6,0x25	PZ3	250
6,0x30	PZ3	250
6,0x35	PZ3	250
6,0x40	PZ3	250
6,0x45	PZ3	250
6,0x50	PZ3	250
6,0x60	PZ3	200
6,0x70	PZ3	200
6,0x80	PZ3	150
6,0x90	PZ3	100
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 | silver galvanized

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
5,0x20	100	8,0x30	100	10,0x150	50
5,0x25	100	8,0x45	100	10,0x160	50
5,0x30	100	8,0x50	100	10,0x180	50
5,0x35	100	8,0x60	100	10,0x200	50
5,0x40	100	8,0x70	100	10,0x220	50
5,0x50	100	8,0x80	100	10,0x240	50
5,0x60	100	8,0x90	100	10,0x260	50
5,0x70	100	8,0x100	100	12,0x50	50
5,0x80	100	8,0x110	100	12,0x60	50
6,0x20	100	8,0x120	100	12,0x80	50
6,0x25	100	8,0x140	50	12,0x120	50
6,0x30	100	8,0x150	50	12,0x160	25
6,0x35	100	8,0x160	50	12,0x240	25
6,0x40	100	8,0x180	50	12,0x300	25
6,0x45	100	8,0x200	50		
6,0x50	100	10,0x40	100		
6,0x60	100	10,0x45	100		
6,0x70	100	10,0x50	100		
6,0x75	100	10,0x60	100		
6,0x80	100	10,0x70	50		
6,0x90	100	10,0x80	50		
6,0x100	100	10,0x90	50		
6,0x110	100	10,0x100	50		
6,0x120	100	10,0x110	50		
6,0x140	100	10,0x120	50		
6,0x150	100	10,0x130	50		
8,0x25	100	10,0x140	50		





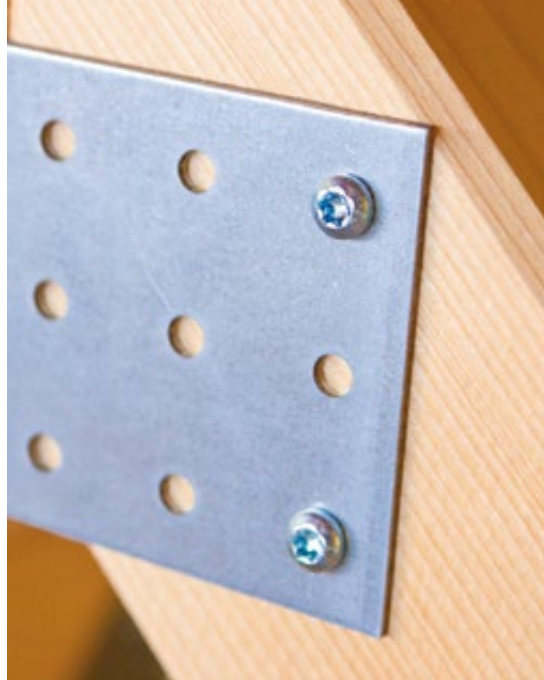
# TIMBER CONNECTOR SCREWS

## 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 | silver galvanized**

### Pan head

Size	Bit	Pcs/box
4,8x25	TX20	500
4,8x35	TX20	500
4,8x40	TX20	500
4,8x45	TX20	500

### Wafer head

Size	Bit	Pcs/box
8,0x40	TX40	50
8,0x50	TX40	50



# 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.

Size	Bit	Pcs/box
5x40	TX25	100
5x50	TX25	100
5x60	TX25	100
5x70	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.

Bit	Size	Pcs/box
TX10	25mm	1
TX15	25mm	1
TX20	25mm	1
TX25	25mm	1

Bit	Size	Pcs/box
TX30	25mm	1
TX40	25mm	1
TX50	25mm	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.

Bit	Size	Pcs/box
PZ1	25mm	1
PZ2	25mm	1
PZ3	25mm	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.

Bit	Size	Pcs/box
PH1	25mm	1
PH2	25mm	1
PH3	25mm	1





# CONFIRMATE SCREWS

## HEXAGON SOCKET HEAD, PARTIAL THREAD

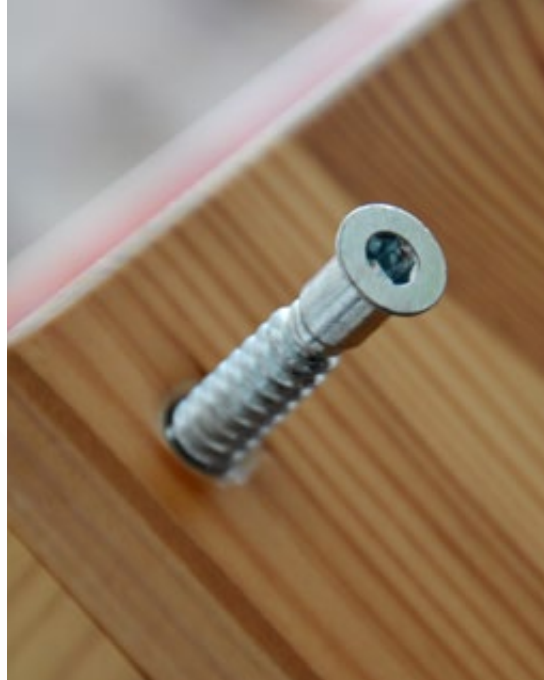
### Application

Mostly used to join chipboards.

FeZn | silver galvanized

Size	Pcs/box
5,0x40	100
5,0x50	100
6,3x50	100
6,3x60	100
6,3x70	100

Size	Pcs/box
7,0x40	100
7,0x50	100
7,0x60	100
7,0x70	100



# HANGER BOLTS

## 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 | silver galvanized

Size	Bit	Pcs/box
6x50	TX15	100
6x60	TX15	100
6x80	TX15	100
6x100	TX15	100
8x50	TX25	100
8x60	TX25	100
8x70	TX25	100
8x80	TX25	100
8x90	TX25	100
8x100	TX25	100
8x110	TX25	100

Size	Bit	Pcs/box
8x120	TX25	100
8x140	TX25	100
8x150	TX25	100
8x160	TX25	100
8x180	TX25	100
8x200	TX25	100
10x60	TX25	100
10x70	TX25	100
10x80	TX25	100
10x100	TX25	100
10x120	TX25	100

Size	Bit	Pcs/box
10x140	TX25	50
10x150	TX25	50
10x160	TX25	50
10x180	TX25	50
10x200	TX25	50
12x100	TX30	50
12x120	TX30	50
12x160	TX30	25
12x180	TX30	25
12x200	TX30	25



# 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 | silver galvanized**

Size	Pcs/box	Color
4,8x20	200	(RAL 3009) red
4,8x35	200	(RAL 3011) red
		(RAL 5010) blue
		(RAL 7016) grey
		(RAL 7024) grey
		(RAL 8004) brown
		(RAL 8017) brown
		(RAL 8019) brown
		(RAL 9005) black
		(RAL 9006) alu white
		(RAL 9010) white



# 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 | silver galvanized**

Size	Bit	Pcs/box
6,0x90	TX25	100
6,0x100	TX25	100
6,0x110	TX25	100
6,0x120	TX25	100

Size	Bit	Pcs/box
6,0x130	TX25	100
6,0x145	TX25	100
6,0x160	TX25	100



# DRYWALL SCREWS

## TN, FINE THREAD, BUGLE HEAD

### Application

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

**Fe** | black phosphated

Size	Bit	Pcs/box
3.5x025	PH	1000
3.5x035	PH	1000
3.5x045	PH	500
3.5x055	PH	500
4.2x070	PH	250
4.2x075	PH	250
4,2x080	PH	200
4,2x090	PH	100



# DRYWALL SCREWS

## SELF DRILL TIP

### Application

To install plaster boards to metal constructions.

**Fe** | black phosphated

Size	Bit	Pcs/box
3,5x025	PH	1000
3,5x038	PH	1000
3,5x045	PH	500
3,5x050	PH	500





# DRYWALL SCREWS

## FN, COARSE THREAD, FLANGE HEAD

### Application

To install plaster boards to wooden constructions.

Fe | black phosphated

Size	Bit	Pcs/box
4,2x35	PH	250
4,2x45	PH	250
4,2x55	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

Size	Bit	Pcs/box
4,2x035	PH	250
4,2x045	PH	250
4,2x055	PH	250



# DRYWALL SCREWS

## TX, COARSE THREAD, BUGLE HEAD

### Application

To install plaster boards to wooden constructions.

Fe | black phosphated

Size	Bit	Pcs/box
3,5x025	PH	1000
3,5x035	PH	1000
3,5x045	PH	500
3,5x055	PH	500

Size	Bit	Pcs/box
4,2x065	PH	250
4,2x075	PH	250
4,2x090	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**

Size	Pcs/box
3,5x025	1000
3,5x035	1000
3,5x045	1000
3,5x055	1000



# DRYWALL SCREWS

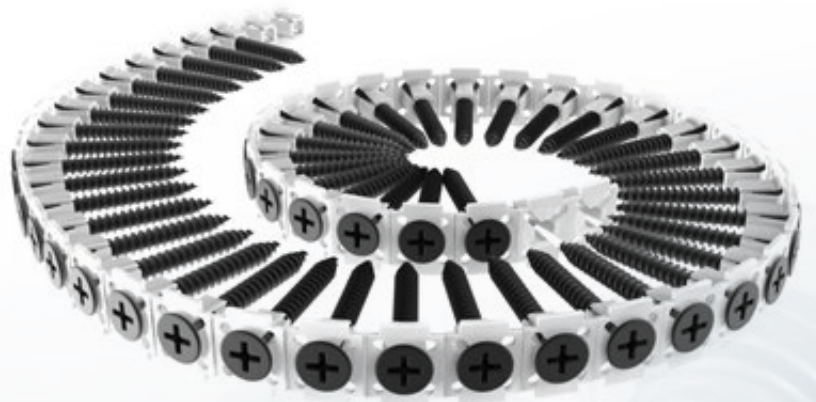
## COLLATED, COARSE THREAD, FLANGE HEAD

### Application

To install plaster boards to wooden constructions.

**Fe | black phosphated**

Size	Pcs/box
3,5x025	1000
3,5x035	1000
3,5x045	1000
3,5x055	1000







# 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 | silver galvanized**

**FeZn | yellow galvanized**

Size	Bit	Pcs/box
7,5x52	TX30	100
7,5x62	TX30	100
7,5x72	TX30	100
7,5x82	TX30	100
7,5x92	TX30	100
7,5x102	TX30	100
7,5x112	TX30	100
7,5x122	TX30	100
7,5x132	TX30	100
7,5x152	TX30	100
7,5x182	TX30	100
7,5x202	TX30	100
7,5x212	TX30	100



# 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.



FeZn | silver galvanized

Size	Pcs/box
M5x16	500
M5x20	500
M5x25	500
M5x30	500
M5x35	200
M5x40	200
M5x45	200
M5x50	200
M5x60	200
M5x70	200
M5x80	200
M6x16	500
M6x20	500
M6x25	500
M6x30	500
M6x35	200
M6x40	200
M6x45	200
M6x50	200
M6x60	200
M6x65	200
M6x70	200
M6x75	200
M6x80	200
M6x90	100
M6x100	100
M6x110	100

Size	Pcs/box
M6x120	100
M6x130	100
M6x140	100
M8x16	200
M8x20	200
M8x25	200
M8x30	200
M8x35	200
M8x40	200
M8x45	200
M8x50	200
M8x55	200
M8x60	200
M8x65	200
M8x70	200
M8x75	200
M8x80	200
M8x90	100
M8x100	100
M8x110	100
M8x120	100
M8x130	100
M8x140	50
M8x150	50
M8x160	50
M8x180	50
M8x200	50

Size	Pcs/box
M8x220	50
M8x260	50
M10x20	200
M10x25	200
M10x30	200
M10x35	100
M10x40	100
M10x45	100
M10x50	100
M10x55	100
M10x60	100
M10x70	100
M10x80	100
M10x90	100
M10x100	100
M10x110	50
M10x120	50
M10x130	50
M10x140	50
M10x150	50
M10x160	50
M10x180	50
M10x200	50
M10x220	50
M10x240	25
M10x260	25
M10x280	25

Size	Pcs/box
M10x300	25
M12x30	100
M12x35	100
M12x45	100
M12x50	100
M12x55	100
M12x60	100
M12x70	50
M12x80	50
M12x90	50
M12x100	50
M12x120	50
M12x130	50
M12x140	50
M12x160	25
M12x180	25
M12x200	25
M12x220	25
M12x240	25
M12x300	25



# 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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M5x30	500	M8x55	500	M10x95	100	M14x60	50	M16x130	25
M5x35	200	M8x60	500	M10x100	100	M14x65	50	M16x140	25
M5x40	200	M8x65	200	M10x110	50	M14x70	50	M16x150	25
M5x45	200	M8x70	200	M10x120	50	M14x75	50	M20x130	10
M5x50	200	M8x75	200	M10x130	50	M14x80	50	M20x140	10
M5x55	200	M8x80	200	M10x140	50	M14x85	50	M20x150	10
M5x60	200	M8x85	200	M10x150	50	M14x90	50	M20x160	10
M5x65	200	M8x90	100	M12x40	100	M14x95	50	M24x70	10
M5x70	200	M8x95	100	M12x45	100	M14x100	50	M24x75	10
M6x25	500	M8x100	100	M12x50	100	M14x110	50	M24x80	10
M6x30	500	M8x110	50	M12x55	100	M14x120	50	M24x90	10
M6x35	200	M8x120	50	M12x60	100	M14x130	25	M24x100	10
M6x40	200	M8x130	50	M12x65	50	M14x140	25	M24x110	10
M6x45	200	M8x140	50	M12x70	50	M14x150	25	M24x120	10
M6x50	200	M8x150	50	M12x75	50	M16x50	50	M24x130	10
M6x55	200	M10x35	100	M12x80	50	M16x55	50	M24x140	10
M6x60	200	M10x40	100	M12x85	50	M16x60	50	M24x150	10
M6x70	200	M10x45	100	M12x90	50	M16x65	25	M24x160	10
M6x75	200	M10x50	100	M12x95	50	M16x70	25	M24x180	10
M6x80	200	M10x55	100	M12x100	50	M16x75	25	M24x200	10
M6x90	200	M10x60	100	M12x110	50	M16x80	25		
M6x100	100	M10x65	100	M12x120	50	M16x85	25		
M8x30	200	M10x70	100	M12x130	50	M16x90	25		
M8x35	200	M10x75	100	M12x140	50	M16x95	25		
M8x40	200	M10x80	100	M12x150	50	M16x100	25		
M8x45	500	M10x85	100	M14x50	50	M16x110	25		
M8x50	500	M10x90	100	M14x55	50	M16x120	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.

FeZn | silver galvanized

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M4x6	1000	M6x18	500	M10x35	100	M12x95	50	M16x80	25
M4x8	1000	M6x20	500	M10x40	100	M12x100	50	M16x85	25
M4x10	1000	M6x25	500	M10x45	100	M12x110	50	M16x90	25
M4x16	1000	M6x30	500	M10x50	100	M12x120	50	M16x95	25
M4x20	1000	M6x35	200	M10x55	100	M14x30	100	M16x100	25
M4x25	1000	M6x40	200	M10x60	100	M14x35	100	M16x110	25
M4x30	1000	M6x45	200	M10x65	100	M14x40	100	M16x120	25
M4x35	1000	M6x50	200	M10x70	100	M14x45	50	M20x40	25
M4x40	1000	M6x55	200	M10x75	100	M14x50	50	M20x45	25
M4x45	500	M6x60	200	M10x80	100	M14x55	50	M24x45	25
M4x50	500	M8x16	200	M10x85	100	M14x60	50	M24x50	25
M4x60	500	M8x18	200	M10x90	100	M14x65	50	M24x55	25
M5x10	500	M8x20	200	M10x95	100	M14x70	50	M24x60	25
M5x12	500	M8x25	200	M10x100	100	M14x75	50	M24x65	25
M5x14	500	M8x30	200	M12x20	100	M14x80	50	M24x70	10
M5x16	500	M8x35	200	M12x25	100	M14x85	50	M24x75	10
M5x18	500	M8x40	200	M12x30	100	M14x90	50	M24x80	10
M5x20	500	M8x45	200	M12x35	100	M14x95	50	M24x90	10
M5x25	500	M8x50	100	M12x40	100	M14x100	50	M24x100	10
M5x30	500	M8x55	200	M12x45	100	M16x30	50	M24x110	10
M5x35	200	M8x60	200	M12x50	100	M16x35	50	M24x120	10
M5x40	200	M8x65	200	M12x55	100	M16x40	25	M24x130	10
M5x45	200	M8x70	200	M12x60	100	M16x45	50	M24x140	10
M5x50	200	M8x75	200	M12x65	50	M16x50	50	M24x150	10
M5x55	200	M8x80	200	M12x70	50	M16x55	50	M24x160	10
M5x60	200	M8x100	100	M12x75	50	M16x60	50		
M5x65	200	M10x20	200	M12x80	50	M16x65	25		
M5x70	200	M10x25	200	M12x85	50	M16x70	25		
M6x16	500	M10x30	200	M12x90	50	M16x75	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 | silver galvanized**

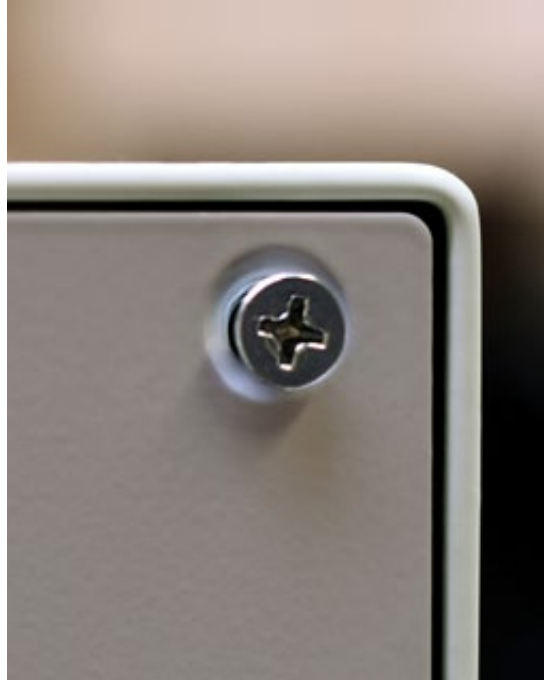
Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M4x6	500	M5x55	500	M6x100	200	M10x35	100	M12x75	50	M16x35	50
M4x8	500	M5x60	500	M8x12	200	M10x40	100	M12x80	50	M16x40	50
M4x10	500	M5x65	500	M8x14	200	M10x45	100	M12x85	50	M16x45	50
M4x12	500	M5x70	200	M8x16	200	M10x50	100	M12x90	50	M16x50	50
M4x14	500	M5x75	200	M8x18	200	M10x55	100	M12x100	50	M16x55	50
M4x16	500	M5x80	200	M8x20	200	M10x60	100	M12x110	25	M16x60	50
M4x18	500	M5x85	200	M8x25	200	M10x65	100	M12x120	25	M16x65	25
M4x20	500	M5x90	200	M8x30	200	M10x70	50	M12x130	25	M16x70	25
M4x25	500	M5x100	200	M8x35	200	M10x75	50	M12x140	25	M16x75	25
M4x30	500	M6x10	500	M8x40	200	M10x80	50	M12x150	25	M16x80	25
M4x35	500	M6x12	500	M8x45	200	M10x85	50	M14x30	100	M16x85	25
M4x40	500	M6x14	500	M8x50	200	M10x90	50	M14x35	100	M16x90	25
M4x45	500	M6x16	500	M8x55	100	M10x100	50	M14x40	100	M16x95	25
M4x50	500	M6x18	500	M8x60	100	M10x110	50	M14x45	50	M16x100	25
M4x55	500	M6x20	500	M8x65	100	M10x120	50	M14x50	50	M16x110	25
M4x60	500	M6x25	500	M8x70	100	M10x130	50	M14x55	50	M16x120	25
M5x8	500	M6x30	500	M8x75	100	M10x140	50	M14x60	50	M16x130	25
M5x10	500	M6x35	200	M8x80	100	M10x150	50	M14x65	50		
M5x12	500	M6x40	200	M8x85	100	M12x20	100	M14x70	50		
M5x14	500	M6x45	200	M8x90	100	M12x25	100	M14x75	50		
M5x16	500	M6x50	200	M8x100	100	M12x30	100	M14x80	50		
M5x18	500	M6x55	200	M8x110	100	M12x35	100	M14x85	50		
M5x20	500	M6x60	200	M8x120	50	M12x40	100	M14x90	50		
M5x25	500	M6x65	200	M8x130	50	M12x45	50	M14x95	50		
M5x30	500	M6x70	200	M8x140	50	M12x50	50	M14x100	50		
M5x35	500	M6x75	200	M8x150	50	M12x55	50	M14x110	50		
M5x40	500	M6x80	200	M10x20	200	M12x60	50	M14x120	50		
M5x45	500	M6x85	200	M10x25	200	M12x65	50	M14x130	25		
M5x50	500	M6x90	200	M10x30	200	M12x70	50	M16x30	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 | silver galvanized

Size	Pcs/box
M3x6	1000
M3x8	1000
M3x10	1000
M3x12	1000
M3x16	1000
M3x20	1000
M3x25	1000
M3x30	1000
M3x35	1000
M3x40	500
M3x45	500
M3x50	500
M4x6	1000
M4x8	1000
M4x10	1000
M4x12	1000
M4x16	1000
M4x20	1000
M4x25	1000
M4x30	500
M4x35	500
M4x40	500
M4x45	500
M4x50	500
M4x60	200
M4x70	200
M5x8	1000

Size	Pcs/box
M5x10	1000
M5x12	1000
M5x16	1000
M5x20	1000
M5x25	500
M5x30	500
M5x35	500
M5x40	500
M5x45	200
M5x50	200
M5x60	200
M5x70	200
M5x80	200
M6x10	1000
M6x12	1000
M6x16	500
M6x20	500
M6x25	500
M6x30	500
M6x35	200
M6x40	200
M6x45	200
M6x50	200
M6x60	200
M6x70	100
M6x80	100
M6x90	100

Size	Pcs/box
M8x16	500
M8x20	200
M8x25	200
M8x30	200
M8x35	200
M8x40	100
M8x45	100
M8x50	100
M8x60	100
M8x70	100
M8x80	100
M8x90	100
M8x100	100





# 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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box
M3x6	1000	M6x10	1000
M3x16	1000	M6x12	1000
M4x6	1000	M6x16	500
M4x8	1000	M6x20	500
M4x10	1000	M6x25	500
M4x12	1000	M6x30	500
M4x16	1000	M6x35	200
M4x20	1000	M6x40	200
M4x25	1000	M6x45	200
M4x30	500	M6x50	200
M4x45	500	M6x60	200
M4x50	500	M6x80	100
M4x60	200	M8x12	500
M5x8	1000	M8x16	500
M5x10	1000	M8x20	200
M5x12	1000	M8x25	200
M5x16	1000	M8x30	200
M5x20	1000	M8x35	200
M5x25	500	M8x40	100
M5x30	500	M8x45	100
M5x35	500	M8x50	100
M5x40	500	M8x60	100
M5x45	200	M8x70	100
M5x50	200	M8x80	100
M5x60	200	M8x90	100
M5x70	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.

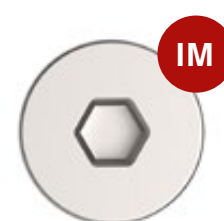
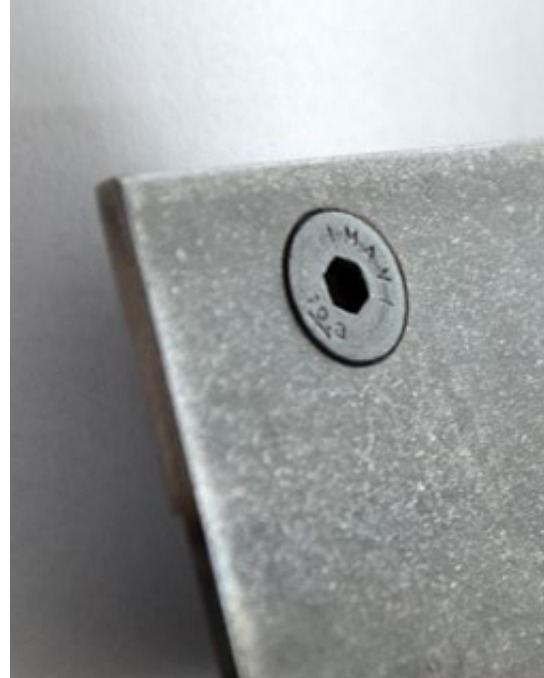
They are most often equipped with a hexagon socket.

**FeZn | silver galvanized**

Size	Pcs/box
M5x10	500
M5x12	500
M5x16	500
M5x20	500
M5x25	500
M5x30	500
M5x35	500
M5x40	500
M5x45	500
M5x50	500
M5x60	500
M6x10	500
M6x12	500
M6x16	500
M6x20	500
M6x25	500
M6x30	200
M6x35	200
M6x40	200
M6x45	200
M6x50	200
M6x55	200
M6x60	200
M6x90	200
M6x100	200

Size	Pcs/box
M8x12	200
M8x16	200
M8x20	200
M8x25	200
M8x30	200
M8x35	200
M8x40	200
M8x45	200
M8x50	200
M8x55	100
M8x60	100
M8x70	100
M8x80	100
M8x90	100
M8x100	100
M10x60	100
M10x70	50
M10x80	50
M12x20	100
M12x25	100
M12x30	100
M12x35	100
M12x40	100
M12x45	50
M12x50	50

Size	Pcs/box
M12x55	50
M12x60	50
M12x70	50
M12x80	50
M12x90	50
M12x100	50



# 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 | silver galvanized

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
2,2x4,5	2000	3,9x45	500	5,5x25	500
2,2x6,5	2000	4,2x9,5	1000	5,5x32	500
2,2x9,5	2000	4,2x13	1000	5,5x38	200
2,2x13	1000	4,2x16	1000	5,5x45	200
2,9x6,5	2000	4,2x19	1000	5,5x50	200
2,9x9,5	1000	4,2x22	1000	5,5x60	200
2,9x13	1000	4,2x25	1000	5,5x70	200
2,9x16	1000	4,2x32	500	6,3x16	500
2,9x19	1000	4,2x38	500	6,3x19	500
2,9x22	1000	4,2x45	500	6,3x22	500
2,9x25	1000	4,2x50	500	6,3x25	500
3,5x9,5	1000	4,2x60	200	6,3x32	200
3,5x13	1000	4,8x9,5	1000	6,3x38	200
3,5x16	1000	4,8x13	1000	6,3x45	200
3,5x19	1000	4,8x16	1000	6,3x50	200
3,5x22	1000	4,8x19	500	6,3x60	200
3,5x25	1000	4,8x22	500	6,3x80	200
3,5x32	500	4,8x25	500	6,3x100	100
3,9x6,5	1000	4,8x32	500		
3,9x9,5	1000	4,8x38	500		
3,9x13	1000	4,8x45	200		
3,9x16	1000	4,8x50	200		
3,9x19	1000	4,8x60	200		
3,9x22	1000	5,5x13	1000		
3,9x25	1000	5,5x16	1000		
3,9x32	500	5,5x19	500		
3,9x38	500	5,5x22	500		





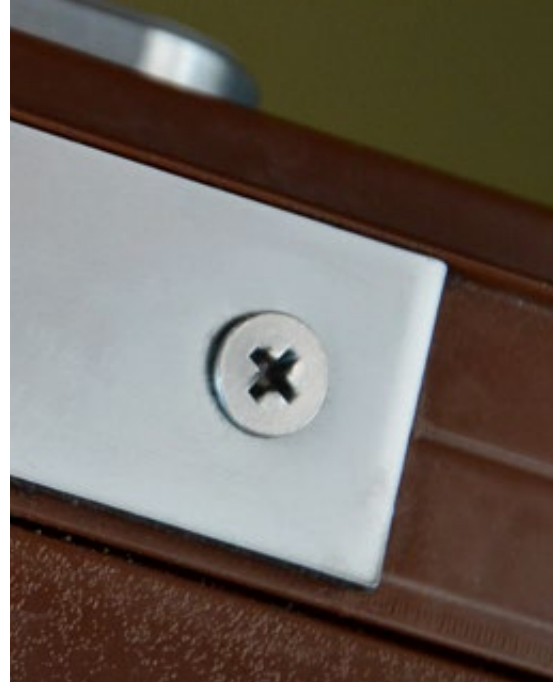
# COUNTERSUNK HEAD TAPPING SCREWS

**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 | silver galvanized**

Size	Pcs/box
2,2x4,5	2000
2,2x6,5	2000
2,2x9,5	2000
2,2x13	1000
2,2x16	1000
2,9x9,5	1000
2,9x13	1000
2,9x16	1000
2,9x19	1000
2,9x22	1000
2,9x25	1000
2,9x32	1000
3,5x9,5	1000
3,5x13	1000
3,5x16	1000
3,5x19	1000
3,5x22	1000
3,5x25	1000
3,5x32	500
3,5x38	500
3,9x13	1000
3,9x16	1000
3,9x19	1000
3,9x22	1000
3,9x25	1000
3,9x32	500
3,9x38	500

Size	Pcs/box
4,2x13	1000
4,2x16	1000
4,2x19	1000
4,2x22	1000
4,2x25	1000
4,2x32	500
4,2x38	500
4,2x45	500
4,2x50	500
4,2x60	200
4,2x70	200
4,8x13	1000
4,8x16	1000
4,8x19	500
4,8x22	500
4,8x25	500
4,8x32	500
4,8x38	500
4,8x45	200
4,8x50	200
4,8x60	200
4,8x70	200
5,5x16	1000
5,5x19	500
5,5x22	500
5,5x25	500
5,5x32	500

Size	Pcs/box
5,5x38	200
5,5x45	200
5,5x50	200
5,5x60	200
6,3x16	500
6,3x19	500
6,3x22	500
6,3x25	500
6,3x32	200
6,3x38	200
6,3x45	200
6,3x50	200
6,3x60	200
6,3x80	200
6,3x100	100



# SELF DRILLING SCREWS TEX HEXAGON HEAD

**DIN 7504K**

## Application

These screws tap while screwing, thanks to a special pre-drilling 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 | silver galvanized**

Size	Pcs/box
3,5x9,5	1000
3,5x13	1000
3,5x16	1000
3,5x19	1000
3,5x22	1000
3,5x25	1000
3,9x9,5	1000
3,9x13	1000
3,9x16	1000
3,9x19	1000
3,9x22	1000
3,9x25	1000
3,9x32	500
3,9x38	500
3,9x45	500
3,9x50	500
4,2x13	1000
4,2x16	1000
4,2x19	1000
4,2x22	1000
4,2x25	1000
4,2x32	500
4,2x38	500
4,2x45	500
4,2x50	500
4,8x13	1000
4,8x16	1000

Size	Pcs/box
4,8x19	500
4,8x22	500
4,8x25	500
4,8x32	500
4,8x38	500
4,8x45	200
4,8x50	200
4,8x60	200
4,8x70	200
4,8x80	200
4,8x90	100
4,8x100	100
5,5x25	500
5,5x32	500
5,5x38	200
5,5x45	200
5,5x50	200
5,5x60	200
5,5x70	200
5,5x80	200
5,5x90	100
5,5x100	100
6,3x22	500
6,3x25	500
6,3x32	200
6,3x38	200
6,3x45	200

Size	Pcs/box
6,3x50	200
6,3x60	100
6,3x70	100
6,3x80	100
6,3x90	100
6,3x100	100
6,3x110	100
6,3x120	100
6,3x150	100



# SELF DRILLING SCREWS TEX PAN HEAD

**DIN 7504N**

## Application

These screws tap while screwing, thanks to a special pre-drilling 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 | silver galvanized**

Size	Pcs/box
3,5x9,5	1000
3,5x13	1000
3,5x16	1000
3,5x19	1000
3,5x22	1000
3,5x25	1000
3,5x32	500
3,9x9,5	1000
3,9x13	1000
3,9x16	1000
3,9x19	1000
3,9x22	1000
3,9x25	1000
3,9x32	500
3,9x38	500
3,9x45	500
3,9x50	500
4,2x13	1000
4,2x16	1000
4,2x19	1000
4,2x22	1000
4,2x25	1000
4,2x32	500
4,2x38	500
4,2x45	500
4,2x50	500
4,8x13	1000

Size	Pcs/box
4,8x16	1000
4,8x19	500
4,8x22	500
4,8x25	500
4,8x32	500
4,8x38	500
4,8x45	200
4,8x50	200
4,8x60	200
4,8x70	200
4,8x80	200
4,8x90	100
4,8x100	100
5,5x25	500
5,5x32	500
5,5x38	200
5,5x45	200
5,5x50	200
5,5x60	200
5,5x70	200
5,5x80	200
5,5x90	100
5,5x100	100
6,3x22	500
6,3x25	500
6,3x32	200
6,3x38	200

Size	Pcs/box
6,3x45	200
6,3x50	200
6,3x60	100
6,3x70	100
6,3x80	100
6,3x90	100
6,3x100	100
6,3x110	100
6,3x120	100
6,3x150	100

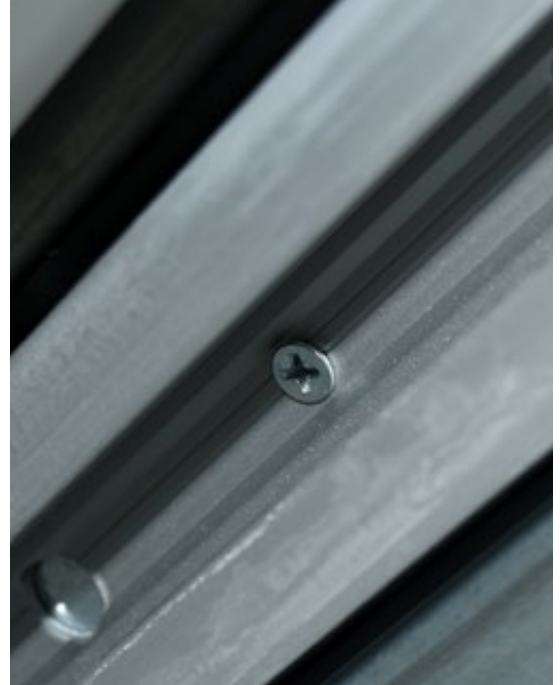


# SELF DRILLING SCREWS TEX COUNTERSUNK HEAD

**DIN 7504P**

## Application

These screws tap while screwing, thanks to a special pre-drilling 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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
3,5x9,5	1000	4,8x19	500	6,3x50	200
3,5x13	1000	4,8x22	500	6,3x60	100
3,5x16	1000	4,8x25	500	6,3x70	100
3,5x19	1000	4,8x32	500	6,3x80	100
3,5x22	1000	4,8x38	500	6,3x90	100
3,5x25	1000	4,8x45	200	6,3x100	100
3,9x9,5	1000	4,8x50	200	6,3x110	100
3,9x13	1000	4,8x60	200	6,3x120	100
3,9x16	1000	4,8x70	200	6,3x150	100
3,9x19	1000	4,8x80	200		
3,9x22	1000	4,8x90	100		
3,9x25	1000	4,8x100	100		
3,9x32	500	5,5x25	500		
3,9x38	500	5,5x32	500		
3,9x45	500	5,5x38	200		
3,9x50	500	5,5x45	200		
4,2x13	1000	5,5x50	200		
4,2x16	1000	5,5x60	200		
4,2x19	1000	5,5x70	200		
4,2x22	1000	5,5x80	200		
4,2x25	1000	5,5x90	100		
4,2x32	500	5,5x100	100		
4,2x38	500	6,3x22	500		
4,2x45	500	6,3x25	500		
4,2x50	500	6,3x32	200		
4,8x13	1000	6,3x38	200		
4,8x16	1000	6,3x45	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 | silver galvanized**

Size	Pcs/box
M6	1
M8	1
M10	1
M12	1
M14	1
M16	1
M20	1
M24	1
M30	1



# THREADED RODS

DIN 976, 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 | silver galvanized no surface treatment**

Size	Length/mm
M4	1000
M5	1000
M6	1000
M8	1000
M10	1000
M12	1000
M14	1000
M16	1000
M18	1000
M20	1000
M22	1000
M24	1000
M27	1000
M30	1000

Size	Length/mm
M6	2000
M8	2000
M10	2000
M12	2000
M14	2000
M16	2000
M18	2000
M20	2000



# THREADED RODS

DIN 976, 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 | silver galvanized**

Size	Length/mm
M5	1000
M6	1000
M8	1000
M10	1000

Size	Length/mm
M12	1000
M14	1000
M16	1000
M18	1000

Size	Length/mm
M20	1000
M24	1000
M30	1000



# THREADED RODS

DIN 976, 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

Size	Length/mm
M5	1000
M6	1000
M8	1000
M10	1000
M12	1000

Size	Length/mm
M14	1000
M16	1000
M18	1000
M20	1000
M22	1000

Size	Length/mm
M24	1000
M27	1000
M30	1000



# THREADED RODS

DIN 976, 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

Size	Length/mm
M8	1000
M10	1000
M12	1000

Size	Length/mm
M14	1000
M16	1000
M18	1000

Size	Length/mm
M20	1000
M24	1000
M30	1000



# THREADED RODS

STAINLESS STEEL, A2

## Application

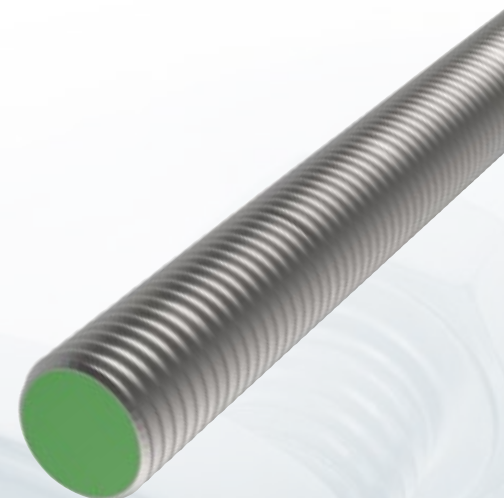
Most often used fastener, applied not only to connect the components of roofing and building structures, but also to anchor the machines. For these purposes they are usually used along with chemical anchors.

### Stainless steel | AISI 304, A2

Size	Length/mm
M6	1000
M8	1000
M10	1000

Size	Length/mm
M12	1000
M14	1000
M16	1000

Size	Length/mm
M18	1000
M20	1000



# WASHERS FOR WOOD CONSTRUCTIONS

**DIN 440**

## Application

Round washer for wood construction strength 4.8.

**FeZn | silver galvanized**

Size	Pcs/box
M5	1000
M6	1000
M8	500
M10	200
M12	200
M14	100
M16	100

Size	Pcs/box
M18	50
M20	50
M22	25
M24	25
M27	20
M30	20



# SPRING LOCK WASHERS

**DIN 127B**

## Application

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

**FeZn | silver galvanized**

Size	Pcs/box
M4	5000
M5	2000
M6	2000
M8	1000
M10	1000
M12	500
M14	500

Size	Pcs/box
M16	500
M18	300
M20	200
M22	200
M24	100
M27	100





# FLAT WASHERS

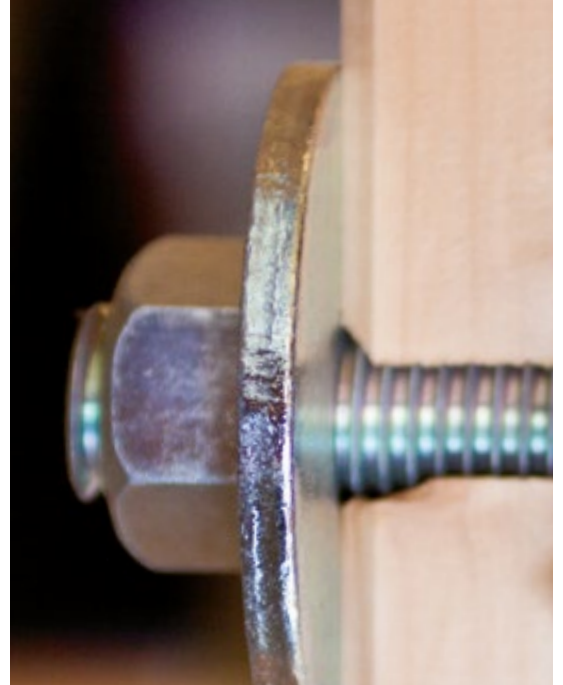
DIN 125

## Application

Classic and the most popular washers.

FeZn | silver galvanized

Size	Pcs/box	Size	Pcs/box
M5	2000	M18	200
M6	2000	M20	200
M8	1000	M22	100
M10	1000	M24	100
M12	500	M27	100
M14	500	M30	100
M16	300		



# 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 | silver galvanized

Size	Pcs/box	Size	Pcs/box
M4	3000	M14	500
M5	2000	M16	500
M6	2000	M18	200
M8	1000	M20	200
M10	1000	M24	100
M12	1000		



# 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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box
M5	1000	M14	150
M6	1000	M16	100
M8	500	M20	100
M10	400	M24	50
M12	200	M30	25



# 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**

Size	Pcs/box	Size	Pcs/box
M6	1000	M14	150
M8	500	M16	100
M10	400	M18	100
M12	200	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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box
M5	100	M14	100
M6	100	M16	100
M8	100	M18	100
M10	100	M20	100
M12	100	M24	100



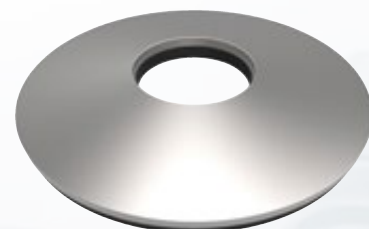
# EPDM BONDED WASHERS

## Application

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

**FeZn | silver galvanized**

Size	Pcs/box	Size	Pcs/box
M4x14	800	M6x19	400
M4x16	500	M6x25	200
M5x14	800	M8x19	400
M5x16	500	M8x25	200
M6x16	500		



# NUTS

DIN 934, 6; DIN 934, 8; DIN 934, 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.

FeZn | silver galvanized

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M5	2000	M14	200	M24	50
M6	1000	M16	100	M27*	25
M8	500	M18	100	M30	25
M10	200	M20	50		
M12	200	M22*	50		

\*Only in DIN 934, 8.



# 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 | silver galvanized

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M5x15	500	M10x30	50	M16x48	25
M6x18	200	M12x36	50	M20x60	20
M8x24	100	M14x42	50	M24x72	15



# HEXAGON CASTLE NUTS

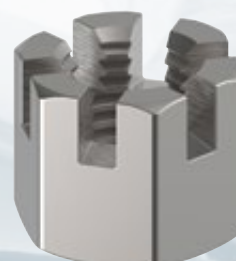
DIN 935, 6

## Application

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

FeZn | silver galvanized

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M6	1000	M12	150	M20	25
M8	500	M14	100	M24	25
M10	200	M16	50		





# 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 | silver galvanized

Size	Pcs/box	Size	Pcs/box
M5	1000	M14	100
M6	1000	M16	100
M8	500	M18	50
M10	200	M20	50
M12	100	M24	25



# HEXAGON DOMED CAP NUTS

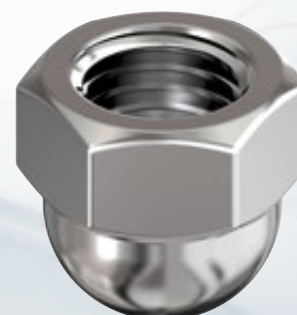
DIN 1587, 6

## 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 | silver galvanized

Size	Pcs/box	Size	Pcs/box
M5	1000	M12	150
M6	1000	M14	100
M8	500	M16	50
M10	200	M20	25



# HEXAGON FLANGE NUT WITH SERRATION

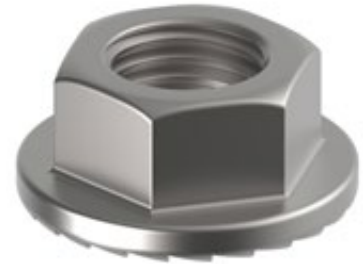
**DIN 6923, 8**

## 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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M4	2000	M8	250	M14	50
M5	1000	M10	100	M16	30
M6	500	M12	100	M20	30



# 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 | silver galvanized**

Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M5	500	M10	150	M16	25
M6	300	M12	50	M20	20
M8	250	M14	25		



# 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 | silver galvanized**

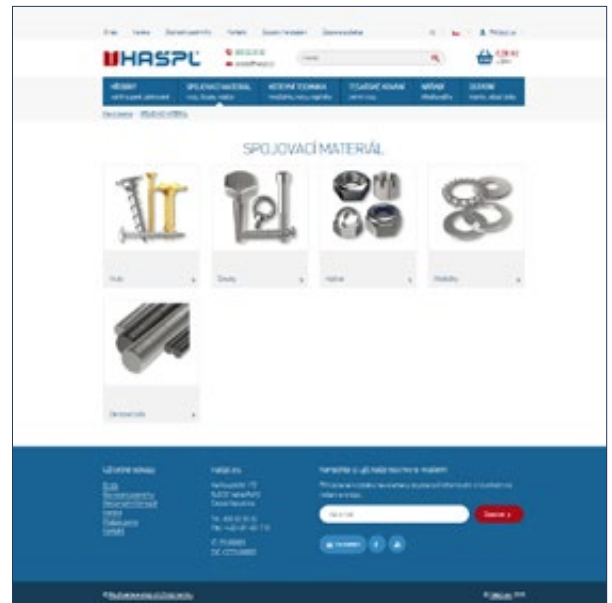
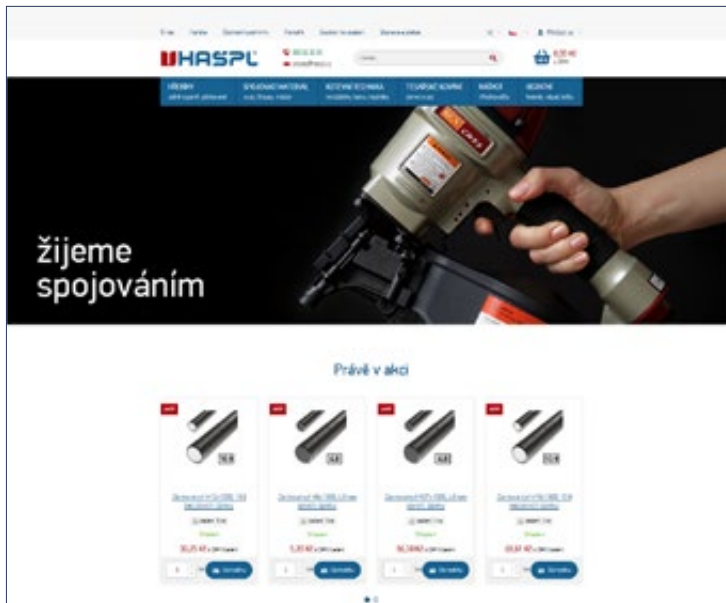
Size	Pcs/box	Size	Pcs/box	Size	Pcs/box
M6	25	M12	20	M20	5
M8	25	M14	10	M24	5
M10	25	M16	10	M30	2



# SALES SUPPORT

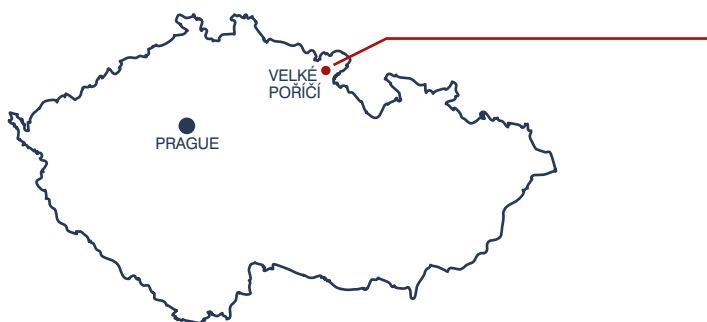
We emphasize communication with customers - we created an up-to-date web presentation, prepared an innovative e-shop, added communication channels (social networks).

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





**[www.haspl.eu](http://www.haspl.eu)**



**Hašpl a.s.**

Ke Koupališti 172, 549 32 Velké Poříčí

Tel.: +420 491 401 711

GSM: +420 737 261 588

Fax: +420 491 401 710

e-mail: [haspl@haspl.cz](mailto:haspl@haspl.cz)

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