

hengsen  
construction

FASTENERS

# Content

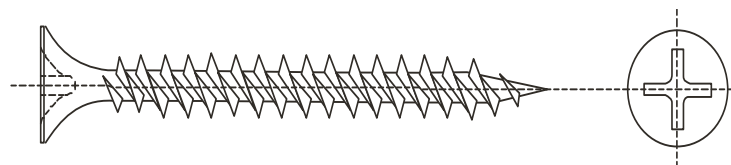
<b>Self Tapping Screws.....</b>	<b>4</b>
DW - Self Tapping Drywall Screw .....	5
PW - Self Tapping Drywall Screw .....	6
WSPC - Self Tapping Screw with Press-Washer .....	7
WDPC - Self Drilling Screw with Press-Washer.....	8
HWC - Hex Head Self Drilling Roofing Screw.....	9
HWCRAL - Hex Head Self Drilling Roofing Screw.....	10
HWF - Hex Head Self Drilling Roofing Screw.....	11
HWFRAL - Hex Head Self Drilling Roofing Screw.....	12
KSTEX - Pan Head Farming Self Drilling Screw.....	13
KSTEXF - Pan Head Farming Self Drilling Screw.....	14
LI - Pan Head Farming Self Tapping Screw.....	15
LIF - Pan Head Farming Self Tapping Screw .....	16
KDH - Chipboard Needle Point Screw .....	17
WHO - Needle Point Concrete Screw.....	19
OKS - Self Drilling Window Screw.....	20
SHG - Steel Nylon Hammer fix Screw.....	21
DSHG - Steel Hammer fix Screw.....	22
<b>Anchors.....</b>	<b>23</b>
LSI - Sleeve Anchor With Hex Nut .....	24
LO - Metal Frame Anchor .....	25
AD - Double Expansion Wedge Anchor .....	26
AKK - Eye Anchor.....	27
AKPK - Hook (semi-ring) Anchor.....	28
AKP - Hook (right angle) Anchor .....	29
KRW - Ceiling Anchor.....	30
LSIB- Anchor- bolt .....	31

<b>Dowels.....</b>	<b>32</b>
KMG – Dowel for cellular concrete.....	33
SMM - Drop In metal Dowel-nail .....	34
<b>Metric fastening.....</b>	<b>35</b>
PGO - Threaded Rod .....	36
BL –Hex Bolt DIN 933.....	37
GO – Hex Nut DIN 934.....	40
SHBU – Washer Flat Increased DIN 9021.....	41
SHB – Washer Flat DIN 125A.....	42

# Self Tapping Screws



- **Self Tapping Screws** are fasteners which form is corresponding to determination of screw. They have fundamental design improvements - form of thread, tip, heads and slit.



**DW - Self Tapping Drywall Screw (for metal frames),  
Fine Thread, Countersunk Head, PH-2, Black  
Phosphate Coating**

The screw is made of steel, phosphate coating. Sharp point, fine thread, countersunk head with PH-2. Designed for fixing plasterboards to metal frames.

**Application:** Tighten the screw using the The screw is made of steel, phosphate coating. Sharp point, fine thread, countersunk head with PH-2. Designed for fixing plasterboards to metal frames.

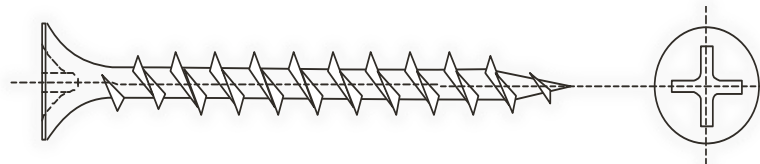
screwdriver or the drill with the cross-shaped nozzle of PH-2. The phosphate surface simplifies slip of the tightened screw.

**Material:** steel ASTM 1022, ГОСТ 1050 Ст3Cp

**Approximate period of production:** 30 days

**Note:** Other dimensions are also available

Dimension, mm	Weight 1000 PCS/kg
DW 3,5x16	0,86
DW 3,5x19	0,98
DW 3,5x25	1,23
DW 3,5x31	1,47
DW 3,5x35	1,64
DW 3,5x41	1,88
DW 3,5x45	2,05
DW 3,5x51	2,29
DW 3,5x55	2,54
DW 4,2x64	4,08
DW 4,2x70	4,50
DW 4,2x75	4,80
DW 4,2x90	5,70
DW 4,8x90	7,83
DW 4,8x95	8,24
DW 4,8x102	8,69
DW 4,8x127	10,80
DW 4,8x152	12,87



**PW - Self Tapping Drywall Screw (for wood frames), Coarse Thread, Countersunk Head, PH-2, Black Phosphate Coating**

The screw is made of steel, phosphate coating. Sharp point, coarse thread, countersunk head with PH-2. Designed for fixing plasterboards to wood frames.

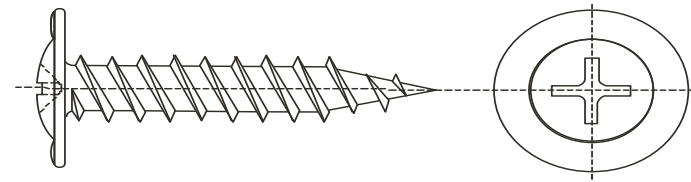
**Application:** Tighten the screw using the screwdriver or the drill with the cross-shaped nozzle of PH-2. The phosphate surface simplifies slip of the tightened screw.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 30 days

**Note:** Other dimensions are also available

Dimension, mm	Weight 1000 PCS/kg
PW 3,5x16	0,86
PW 3,5x19	0,98
PW 3,5x25	1,23
PW 3,5x31	1,47
PW 3,5x35	1,64
PW 3,5x41	1,88
PW 3,5x45	2,05
PW 3,5x51	2,29
PW 3,5x55	2,54
PW 4,2x64	4,08
PW 4,2x70	4,50
PW 4,2x75	4,80
PW 4,2x90	5,70
PW 4,8x90	7,83
PW 4,8x95	8,24
PW 4,8x102	8,69
PW 4,8x114	10,35
PW 4,8x127	10,80
PW 4,8x152	13,87



**WSPC - Self Tapping Screw with Press-Washer, Wafer Head PH-2, White Zink Coating**

The screw is made of steel, Zink coating. Sharp point, wafer head with PH-2. Designed for fixing elements of sheet metal and thin sheet steel.

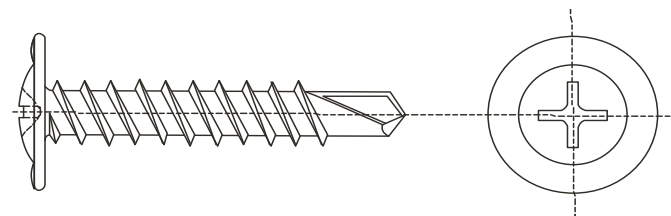
**Application:** Tighten the screw using the screwdriver or the drill with the cross-shaped nozzle of PH-2.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 30 days

Dimension, MM	Weight 1000 PCS/kg
WSPC 4,2x13	1,36
WSPC 4,2x16	1,54
WSPC 4,2x19	1,72
WSPC 4,2x25	2,08
WSPC 4,2x32	2,49
WSPC 4,2x41	3,02
WSPC 4,2x51	3,62
WSPC 4,2x76	5,17

**Note:** Other dimensions are also available



**WDPC - Self Drilling Screw with Press-Washer,  
Wafer Head PH-2, White Zink Coating**

The screw is made from steel, Zink coating. Self-drill point, wafer head with PH-2. Designed for fixing elements of sheet metal and thin sheet steel.

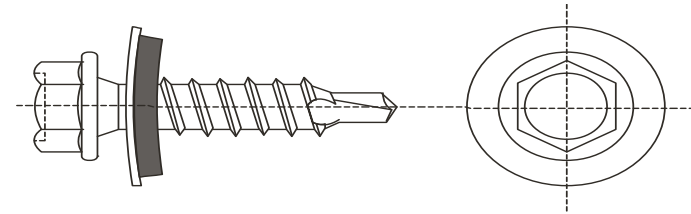
**Application:** Tighten the screw using the screwdriver or the drill with the cross-shaped nozzle of PH-2.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 30 days

Dimension, MM	Weight 1000 PCS/kg
WDPC 4,2x13	1,47
WDPC 4,2x16	1,66
WDPC 4,2x19	1,86
WDPC-4,2x25	2,24
WDPC 4,2x32	2,69
WDPC 4,2x41	3,26
WDPC 4,2x51	3,90
WDPC 4,2x76	5,50

**Note:** Other dimensions are also available



**HWC - Hex Head Self Drilling Roofing Screw  
(for fastening to wood lathing), with EPDM  
Washer, White Zink Coating**

The screw is made of steel, Zink coating. Self-drill point, coarse thread, hex head with EPDM washer. Designed for fastening roofing and facade metal sheets to wood frames.

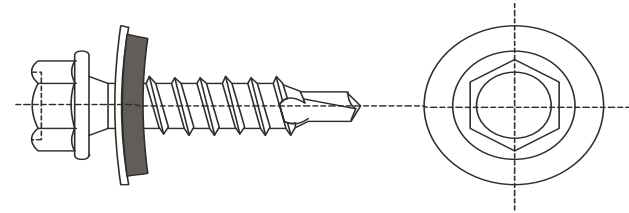
**Application:** Preliminarily mark fixing point. Tighten the screw with the screwdriver or drills with the special nozzle of Hex.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 60 days

Dimension, MM	Weight 1000 PCS/kg
HWC 4,8x28	5,30
HWC 4,8x35	6,00
HWC 4,8x51	7,20
HWC 4,8x64	8,30
HWC 4,8x70	8,80
HWC 4,8x76	9,55
HWC 4,8x80	10,00

**Note:** Other dimensions are also available



**HWCRAL - Hex Head Self Drilling Roofing  
Screw (for fastening to wood lathing), with  
EPDM Washer, White Zink Coating, Head and  
Washer RAL colored**

The screw is made of steel, Zink coating, Ral colored. Self-drill point, coarse thread, hex head with EPDM washer. Designed for fastening roofing and facade metal sheets to wood frames.

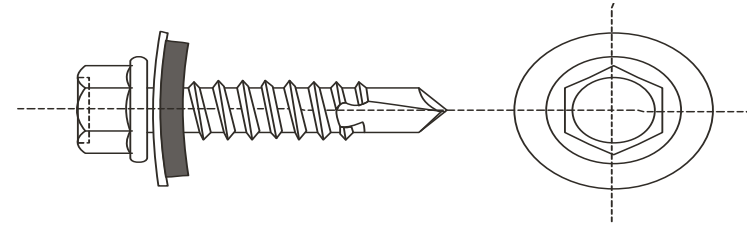
**Application:** Preliminarily mark fixing point. Tighten the screw with the screwdriver or drills with the special nozzle of Hex.

**Material:** steel ASTM 1022, ГОСТ 1050 Ст3Ср

**Approximate period of production:** 60 days

Dimension, MM	Weight 1000 PCS/kg
HWCRAL 4,8x28	5,30
HWCRAL 4,8x35	6,00
HWCRAL 4,8x51	7,20
HWCRAL 4,8x64	8,30
HWCRAL 4,8x70	8,80
HWCRAL 4,8x76	9,55
HWCRAL 4,8x80	10,00

**Note:** Other dimensions are also available



**HWF - Hex Head Self Drilling Roofing Screw  
(for fastening to metal structures), with EPDM  
Washer, White Zink Coating**

The screw is made of steel, Zink coating. Self-drill point, fine thread, hex head with EPDM washer. Designed for fastening roofing and facade metal sheets to wood frames or metal structures.

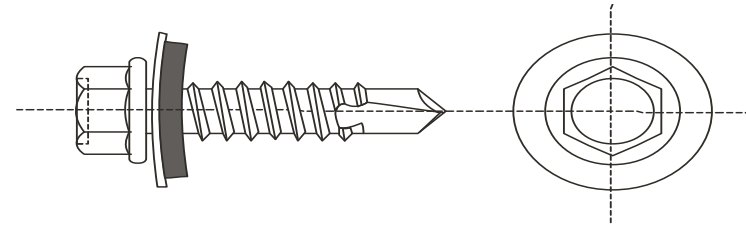
**Application:** Preliminarily mark fixing point. Tighten the screw with the screwdriver or drills with the special nozzle of Hex.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, mm	Weight 1000 PCS/kg
HWF 5,5x19	6,03
HWF 5,5x25	6,73
HWF 5,5x32	7,53
HWF 5,5x38	8,23
HWF 5,5x45	9,03
HWF 5,5x51	9,73
HWF 5,5x64	11,13
HWF 5,5x76	12,53
HWF 6,3x19	8,43
HWF 6,3x25	9,43
HWF 6,3x32	10,43
HWF 6,3x38	11,33
HWF 6,3x45	12,53
HWF 6,3x51	13,63
HWF 6,3x64	15,23
HWF 6,3x76	17,68
HWF 6,3x102	21,83
HWF 6,3x127	26,23
HWF 6,3x152	29,63



**HWFRAL - Hex Head Self Drilling Roofing Screw (for fastening to metal structures), with EPDM Washer, White Zink Coating, Head and Washer RAL colored**

The screw is made of steel, Zink coating, Ral colored. Self-drill point, fine thread, hex head with EPDM washer. Designed for fastening roofing and facade metal sheets to wood frames or metal structures.

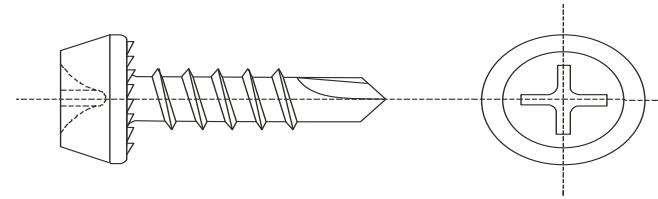
**Application:** Preliminarily mark fixing point. Tighten the screw with the screwdriver or drills with the special nozzle of Hex.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
HWFRAL 5,5x19	6,03
HWFRAL 5,5x25	6,73
HWFRAL 5,5x32	7,53
HWFRAL 5,5x38	8,23
HWFRAL 5,5x45	9,03
HWFRAL 5,5x51	9,73
HWFRAL 5,5x64	11,13
HWFRAL 5,5x76	12,53
HWFRAL 6,3x19	8,43
HWFRAL 6,3x25	9,43
HWFRAL 6,3x32	10,43
HWFRAL 6,3x38	11,33
HWFRAL 6,3x45	12,53
HWFRAL 6,3x51	13,63
HWFRAL 6,3x64	15,23
HWFRAL 6,3x76	17,68
HWFRAL 6,3x102	21,83
HWFRAL 6,3x127	26,23
HWFRAL 6,3x152	29,63



**KSTEX - Pan Head Farming Self Drilling  
Screw, Head PH-2, White Zink Coating**

The screw is made of steel, Zink coating. Self-drill point, pan head with PH-2. Under the head it has incisions, which impede spontaneous unscrewing. Designed for fastening metal frames.

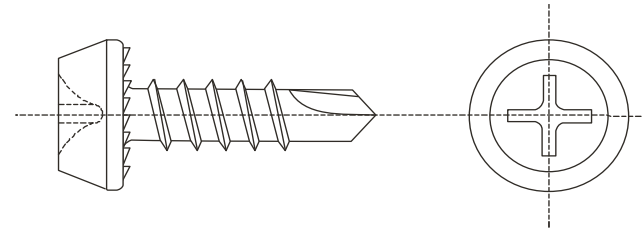
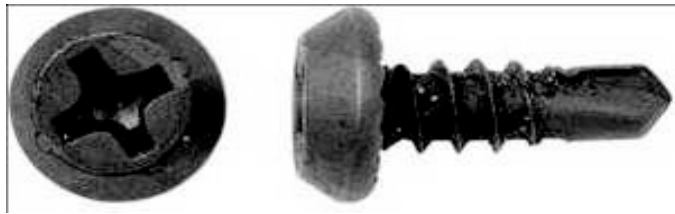
**Application:** Tighten the screw using the drill with the cross-shaped nozzle of PH-2.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 45 days

Dimension, mm	Weight 1000 PCS/kg
KSTEX 3,9x9,5	1,11
KSTEX 3,9x11	1,20

**Note:** Other dimensions are also available



**KSTEXF - Pan Head Farming Self Drilling Screw, Head PH-2, Black Phosphate Coating**

The screw is made of steel, phosphate coating. Self-drill point, pan head with PH-2. Under the head it has incisions, which impede spontaneous unscrewing. Designed for fastening metal frames to wood and metal structures.

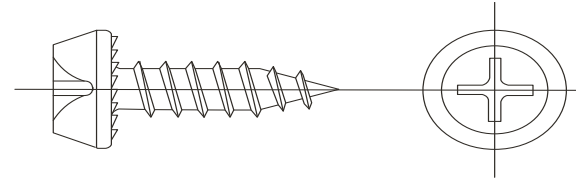
Dimension, MM	Weight 1000 PCS/kg
KSTEXF 3,9x9,5	1,11
KSTEXF 3,9x11	1,20

**Application:** Tighten the screw using the drill with the cross-shaped nozzle of PH-2. The phosphate surface simplifies slip of the tightened screw.

**Material:** steel ASTM 1022, ГОСТ 1050 Ст3Ср

**Approximate period of production:** 45 days

**Note:** Other dimensions are also available



### **LI - Pan Head Farming Self Tapping Screw, Head PH-2, White Zink Coating**

The screw is made of steel, Zink coating. Sharp point, pan head with PH-2. Under the head it has incisions, which impede spontaneous unscrewing. Designed for fastening metal frames.

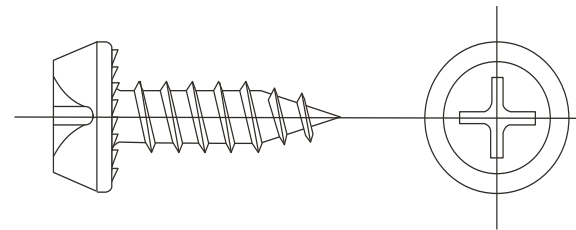
**Application:** Tighten the screw using the drill with the cross-shaped nozzle of PH-2.

**Material:** steel ASTM 1022, ГОСТ 1050 Ст3Ср

**Approximate period of production:** 45 days

<b>Dimension, mm</b>	<b>Weight 1000 PCS/kg</b>
LI 3,8x9,5	0,97
LI 3,8x11	1,05

**Note:** Other dimensions are also available



**LIF - Pan Head Farming Self Tapping Screw,  
Head PH-2, Black Phosphate Coating**

The screw is made of steel, phosphate coating. Sharp point, pan head with PH-2. Under the head it has incisions, which impede spontaneous unscrewing. Designed for fastening metal frames to wood and metal structures.

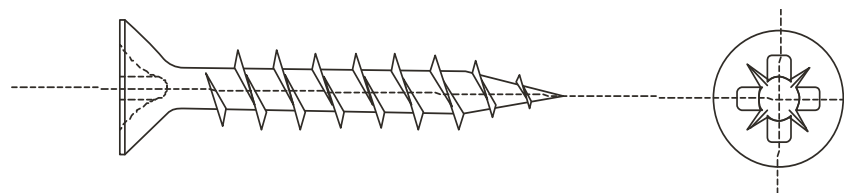
**Application:** Tighten the screw using the drill with the cross-shaped nozzle of PH-2. The phosphate surface simplifies slip of the tightened screw.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 45 days

Dimension, MM	Weight 1000 PCS/kg
LIF 3,8x9,5	0,97
LIF 3,8x11	1,05

**Note:** Other dimensions are also available



**KDH - Chipboard Needle Point Screw,  
Countersunk POZI Head, White or Yellow Zink  
Coating**

The screw is made of steel, Zink coating. Sharp point, countersunk Pozi head. Designed for fixing wood, plasterboards, thin sheet metal and other materials, fastening other different elements of structures to the brick, the concrete bases using dowels. Wood screws are characterized by wider and sharper thread.

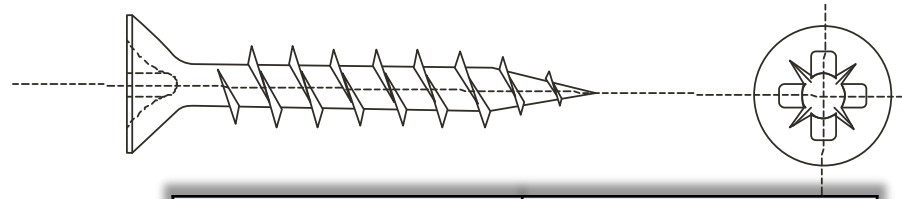
**Application:** Tighten the screw with the screwdriver or drills with the cross-shaped nozzle of Pozi.

**Material:** steel ASTM 1022, ГОСТ 1050 Ст3Ср

**Approximate period of production:** 30 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
KDH 3x12	0,47
KDH 3x16	0,58
KDH 3x20	0,69
KDH 3x25	0,83
KDH 3x30	0,96
KDH 3x35	1,10
KDH 3x40	1,24
KDH 3,5x12	0,61
KDH 3,5x16	0,76
KDH 3,5x20	0,90
KDH 3,5x25	1,08
KDH 3,5x30	1,26
KDH 3,5x35	1,44
KDH 3,5x40	1,62
KDH 3,5x45	1,80
KDH 3,5x50	1,98
KDH 4x12	0,77
KDH 4x16	0,96
KDH 4x20	1,14
KDH 4x25	1,37
KDH 4x30	1,59
KDH 4x35	1,82
KDH 4x40	2,05
KDH 4x45	2,28
KDH 4x50	2,51
KDH 4x60	2,96
KDH 4x70	3,42



**KDH - Chipboard Needle Point Screw,  
Countersunk POZI Head, White or Yellow  
Zink Coating**

The screw is made of steel, Zink coating. Sharp point, countersunk Pozi head. Designed for fixing wood, plasterboards, thin sheet metal and other materials, fastening other different elements of structures to the brick, the concrete bases using dowels. Wood screws are characterized by wider and sharper thread.

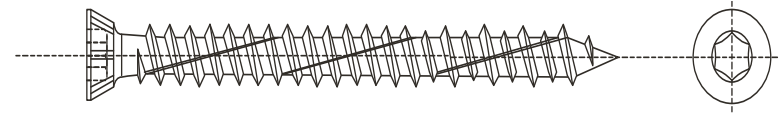
**Application:** Tighten the screw with the screwdriver or drills with the cross-shaped nozzle of Pozi.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 30 days

**Note:** Other dimensions are also available

Dimension, mm	Weight 1000 PCS/kg
KDH 5x16	1,50
KDH 5x20	1,79
KDH 5x25	2,08
KDH 5x30	2,43
KDH 5x35	2,77
KDH 5x40	3,12
KDH-5x45	3,47
KDH 5x50	3,81
KDH 5x60	4,64
KDH 5x70	5,36
KDH 5x80	6,07
KDH 5x90	6,78
KDH 5x100	7,50
KDH-5x120	8,93
KDH 6x30	3,54
KDH 6x40	4,55
KDH 6x50	5,56
KDH 6x60	6,57
KDH 6x70	7,58
KDH 6x80	8,59
KDH 6x90	9,60
KDH 6x100	10,61
KDH 6x110	11,62
KDH 6x120	12,63
KDH 6x140	14,65
KDH 6x160	16,67
KDH 6x180	18,69



**WHO - Needle Point Concrete Screw (for window-frames fastening), Countersunk TORX-30 Head, Aggressive Thread, Yellow Passivated Coating**

The screw is made of steel, phosphate coating. Sharp point, fine thread, countersunk head with incisions under it. Variable thread and incisions along its entire length. Designed for fastening window frames or door casings of wood, plastic, metal, beam, slats and laths to the concrete, the natural building stone, the brickwork, foam concrete, hollow blocks.

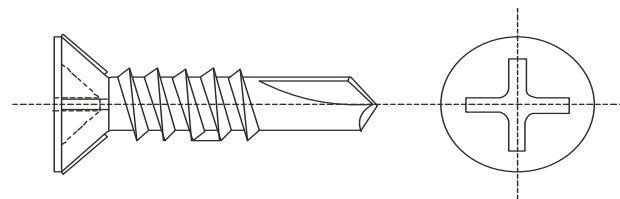
**Application:** Drill a hole and clean it. In the building materials with the small safety factor (cellular concrete, blocks with the voids) is recommended to drill holes only using method of rotation. Screw it into the hole through the mounted component.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of pr-oduction:** 40 days

Dimension, MM	Weight 1000 PCS/kg
WHO 7,5x72	14,80
WHO 7,5x92	18,80
WHO 7,5x112	22,80
WHO 7,5x132	26,80
WHO 7,5x152	30,80
WHO 7,5x182	36,80
WHO 7,5x202	40,80
WHO 7,5x212	42,80

**Note:** Other dimensions are also available



**OKS - Self Drilling Window Screw, Head PH-2,  
Fine Thread, White or Yellow Zink Coating**

The screw is made of steel, Zink coating. Self-drill point, fine thread, countersunk head with PH-2. Designed for fastening the plastic profiles with the amplifying elements and other installation works.

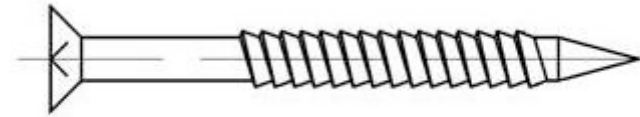
**Application:** Tighten the screw using the screwdriver or the drill with the cross-shaped nozzle of PH-2.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 30 days

Dimension, MM	Weight 1000 PCS/kg
OKS 3,9x13	1,08
OKS 3,9x16	1,26
OKS 3,9x19	1,44
OKS 3,9x22	1,62
OKS 3,9x25	1,80
OKS 3,9x32	2,22
OKS 3,9x35	2,40

**Note:** Other dimensions are also available



**SHG - Steel Nylon Hammer fix Screw,  
Countersunk Pozi Head, Yellow Passivated  
Coating**

The screw is made of steel, Zink coating. Sharp point, countersunk Pozi head. Designed for fastening roofing and setting dowels for quick installation.

**Application:** Drill a hole of required diameter, clear a hole. Put the dowel through the mounted component into the hole. Hammer a nail-screw into the dowel. Tighten the screw with the screwdriver or drills with the cross-shaped nozzle of Pozi.

**Material:** steel ASTM 1022, ГОСТ 1050 Cr3Cp

**Approximate period of production:** 30 days

Dimension, MM	Weight 1000 PCS/kg
SHG 3,8x45	3,24
SHG 3,8x64	4,55
SHG 3,8x84	5,81
SHG 4,8x64	8,03
SHG 4,8x88	10,20
SHG 4,8x104	12,38
SHG 4,8x124	14,55
SHG 4,8x145	16,73
SHG 4,8x162	18,90
SHG 6,8x92	21,59
SHG 6,8x110	24,76
SHG 6,8x124	27,92
SHG 6,8x144	32,14
SHG 6,8x162	36,35

**Note:** Other dimensions are also available



**DSHG - Steel Hammer fix Screw,  
(Countersunk Pozi Head, Yellow Passivated  
Coating) with dowels for quick installation**

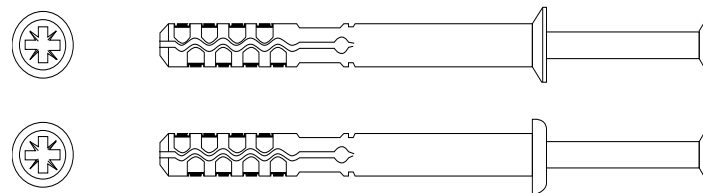
Screw-nails with dowels designed for fastening to the concrete, brick with the voids, foam concrete of all possible wooden components, including lathing structures under the plastering, frame, plinths, wall corners, and also cable channels, clamps for cables, thin sheet steel, etc.

**Application:** Drill a hole of required diameter, clear a hole. Put the dowel through the mounted component into the hole. Hammer a nail-screw into the dowel. Tighten the screw with the screwdriver or drills with the cross-shaped nozzle of Pozi.

**Material:** dowel - nylon; nail - steel (SHG) ASTM 1022, ГОСТ 1050 Ст3Ср

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available



Dimension, MM	Weight 1000 PCS/kg
DSHG 3,8x45	3,94
DSHG 3,8x64	5,70
DSHG 3,8x84	7,05
DSHG 4,8x64	9,58
DSHG 4,8x88	12,20
DSHG 4,8x104	14,63
DSHG 4,8x124	17,35
DSHG 4,8x145	19,63
DSHG 4,8x162	22,20
DSHG 6,8x92	24,09
DSHG 6,8x110	27,89
DSHG 6,8x124	31,67
DSHG 6,8x144	36,54
DSHG 6,8x162	41,35

# Anchors



- **Anchor fastening** is an appliance for fastening heavy construction articles and structures, and also equipments using the distance piece and metric rod.
- Its principle of operation is that after we put the bush sleeve into the drilled hole, the friction appears between the bush sleeve and the material.



### LSI - Sleeve Anchor With Hex Nut, Yellow Zink Coating

It consists of cylindrical movable sleeve with the longitudinal slots, rods with the metric thread and the cone-shaped shank, nuts with flange. It designed for installation of various structures (steel structures, barriers, fences, etc.) in the solid masonry, for fastenings to thin concrete partitions.

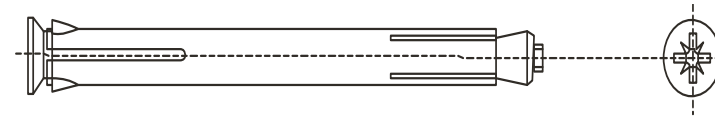
**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole as far as it would go. Tighten nut for 3-5 revolutions.

**Material:** steel GB Q215 ASTM 1017, ГОСТ Cr2Cp

**Approximate period of production:** 45 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
LSI 8x40	16,08
LSI 8x65	23,75
LSI 8x85	29,17
LSI 10x50	27,50
LSI 10x60	36,00
LSI 10x77	45,00
LSI 10x97	55,25
LSI 10x125	71,27
LSI 10x130	74,00
LSI 12x60	55,00
LSI 12x75	68,57
LSI 12x100	83,33
LSI 12x129	99,29
LSI 16x65	48,00
LSI 16x111	160,00
LSI 16x147	194,00
LSI 16x180	236,68
LSI 16x220	288,75
LSI 20x75	157,88
LSI 20x107	276,56
LSI 20x150	350,00



### LO - Metal Frame Anchor, POZI Head, Yellow Zink Coating

Anchor consists of the steel cut bushing, screw with the metric thread, with POZI head. It is designed for the through installation of wooden, metal and plastic window frames and door casings, fastening beams and laths to the concrete base, construction stone, solid and hollow brick.

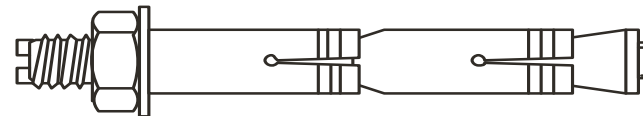
**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole. Tighten nut as far as it would go.

**Material:** Inside - yellow Zink, outside - steel GB Q215 ASTM 1017, GOCT Cr2Cp

**Approximate period of production:** 45 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
LO 8x72	21,00
LO 8x92	26,00
LO 8x112	31,00
LO 8x132	35,80
LO 8x152	38,50
LO 8x172	43,00
LO 10x52	22,50
LO 10x72	29,00
LO 10x92	35,00
LO 10x112	41,00
LO 10x132	42,00
LO 10x152	54,00
LO 10x182	64,00
LO10x202	68,00



### AD - Double Expansion Wedge Anchor, Yellow Zinc Coating

Wedge anchor is a steel rod with two cylindrical movable sleeves, shank with two cones and nuts. It is designed for the through fastening of heavy equipments, structures, cable routes, natural stone, bricks.

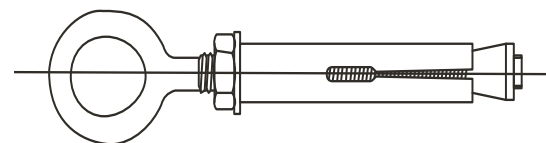
**Application:** Drill a hole of the necessary diameter. Hammer the anchor through mounted component into the hole. Tighten a nut.

Material: Q215 (ASTM1017) ГОСТ 380 Cr2cp

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, mm	Weight 1000 PCS/kg
AD M6X10x100	37,64
AD M6X10x150	56,89
AD M8X12x100	60,83
AD M8X12X120	72,43
AD M8X12X150	90,06
AD M8X12X180	106,83
AD M8X12X200	118,33
AD M8X12X250	147,61
AD M8X12X330	193,03
AD M10X14X100	99,70
AD M10X14X120	113,24
AD M10X14X140	130,48
AD M10X14X150	138,91
AD M10X14X180	164,88
AD M10X14X200	182,12
AD M10X14X250	225,37
AD M10X14X330	294,74
AD M12X16X120	170,57
AD M12X16X160	215,97
AD M12X16X200	262,67
AD M12X16X250	324,53
AD M12X16X330	423,37
AD M16X20X160	350,50
AD M16X20X180	390,10
AD M16X20X200	429,70
AD M16X20X250	528,70
AD M16X20X330	687,70
AD M20X25X210	687,93
AD M20X25X250	811,26
AD M20X25X330	1057,91
AD M24X30X200	895,80
AD M24X30X250	1103,10
AD M24X30X300	1448,90



### AKK - Eye Anchor, Yellow Zink Coating

Anchor consists of screw bolt with the form of ring, with the metric thread, movable coupling with the longitudinal slots, washers, and conical nuts. It is designed for fastening heavy constructions to the concretes, building stones and bricks.

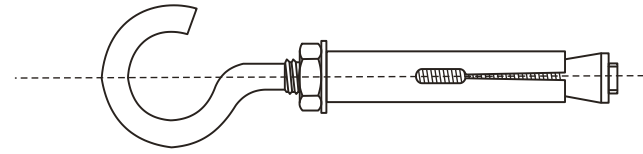
**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole as far as it would go. Tighten nut for 3-5 revolutions.

**Material:** steel GB Q215 ASTM 1017, ГОСТ Cr2Cp

**Approximate period of production:** 45 days

Dimension, MM	Weight 1000 PCS/kg
AKK M6X8x85	38,00
AKK M8x10x90	63,00
AKK M8x10x115	76,00
AKK M10x12x130	150,00

**Note:** Other dimensions are also available



### **AKPK - Hook (semi-ring) Anchor, Yellow Zink Coating**

Anchor consists of screw bolt with the form of round hook, with the metric thread, movable coupling with the longitudinal slots, washers, and conical nuts. It is designed for fastening heavy constructions to the concretes, building stones and bricks.

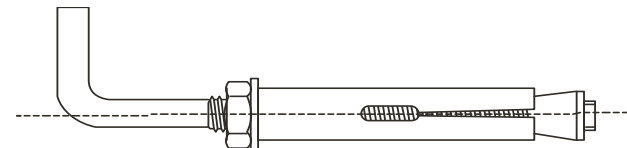
**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole as far as it would go. Tighten nut for 3-5 revolutions.

**Material:** steel GB Q215 ASTM 1017, ГОСТ Cr2Cp

**Approximate period of production:** 45 days

Dimension, MM	Weight 1000 PCS/kg
AKPK M6X8x85	36,00
AKPK M8X10x90	61,00
AKPK M10X12x70	94,00
AKPK M10X12x120	128,00

**Note:** Other dimensions are also available



**AKP - Hook (right angle) Anchor, Yellow Zink Coating**

Anchor consists of screw bolt of the form of the right angle, with the metric thread, movable coupling with the longitudinal slots, washers, and conical nuts. It is designed for fastening heavy constructions to the concretes, the building stones and the bricks.

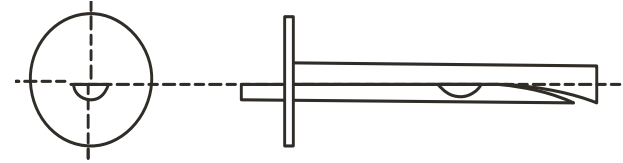
**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole as far as it would go. Tighten nut for 3-5 revolutions.

**Material:** steel GB Q215 ASTM 1017, ГОСТ Cr2Cp

**Approximate period of production:** 45 days

Dimension, MM	Weight 1000 PCS/kg
AKP M10X12x140	142,00
AKP M10x14x195	182,00
AKP M12X16x380	440,00

**Note:** Other dimensions are also available



### KRW - Ceiling Anchor, Yellow Zink Coating

Anchor consists of metal core with the stopping cap and the tapered shank, and expansion wedge. It is intended for quick fastening to the concrete, the natural stone, the solid brick, laths, metallic components, profiles, suspension ceilings and, etc.

**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole.

**Material:** steel GB Q215 ASTM 1017, ГОСТ Cr2Cp

**Approximate period of production:** 45 days

Dimension, MM	Weight 1000 PCS/kg
KRW 6x35	11,00
KRW 6x65	16,00

**Note:** Other dimensions are also available



### LSI B- Anchor- bolt, Yellow Zink

It designed for fastening heavy to the concretes, stones and bricks. Can be used for fastening to the thin concrete partitions.

**Application:** Drill a hole of the necessary diameter, clean it. Hammer the anchor through mounted component into the hole as far as it would go. Tighten nut for 3-5 revolutions.

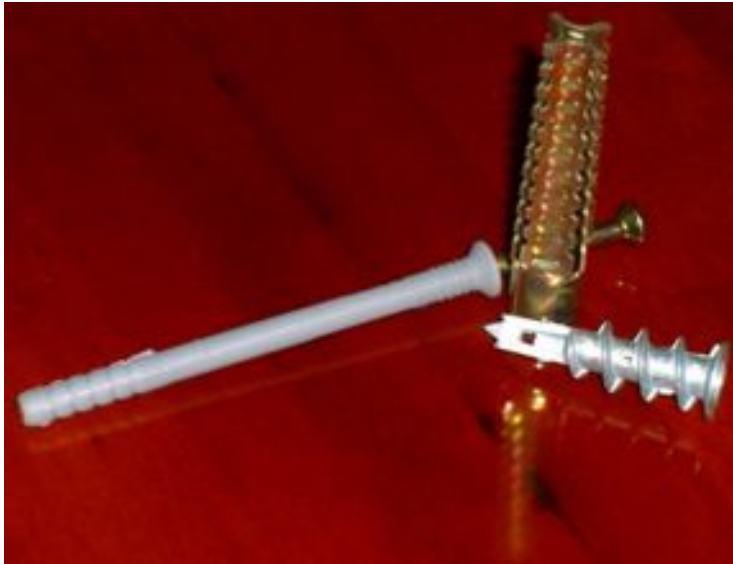
**Material:** steel GB Q215 ASTM 1017, ГОСТ Cr2Cp

**Approximate period of production:** 45days

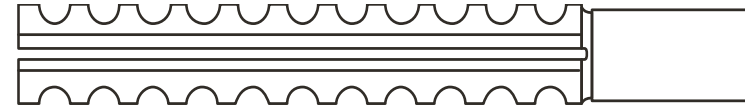
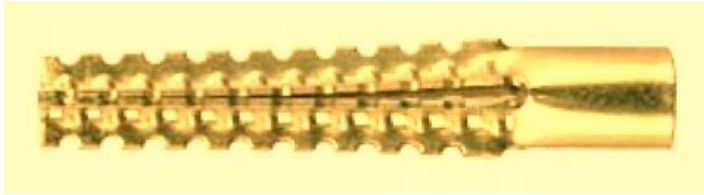
**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
LSIB M6*8*45	17,20
LSIB M6*8*60	22,00
LSIB M6*8*80	28,00
LSIB M8*10*55	34,00
LSIB M8*10*60	37,00
LSIB M8*10*80	46,00
LSIB M8*10*85	49,00
LSIB M8*10*100	57,00
LSIB M8*10*130	72,00
LSIB M10*12*70	66,00
LSIB M10*12*100	88,90
LSIB M10*12*120	104,00
LSIB M12*16*110	157,00
LSIB M12*16*130	183,00
LSIB M12*16*150	208,00

# Dowels



- **Dowel** is the fastener, intended for fastening in the solid wall or ceiling materials (wood, plasterboard and other), it is made of the soft and elastic material and usually is mounted into the preliminarily prepared hole in the basic material.
- **Dowel** is attached due to the friction, which appears with its thrust in the process of the installation of screw in it.



### KMG – Dowel for cellular concrete, Yellow Zink

It designed for the fixing gas pipelines, water supply systems and other building constructions using screws.

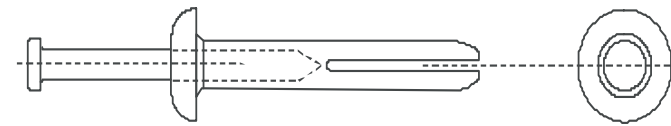
**Application:** Drill a hole of the required dimensions, clean it. Hammer the anchor into the hole and tighten the screw into it. It is recommended to drill light building materials only by method of rotation.

**Material:** steel GB Q195/Q215 ASTM 1017 ГОСТ Cr2Cp

**Approximate period of production:** 45 days

Dimension, mm	Weight 1000 PCS/kg
KMG 6x32	2,30
KMG 8x38	5,30
KMG 8x60	9,00
KMG 10x60	10,70

**Note:** Other dimensions are also available



**SMM - Drop In metal Dowel-nail, (anchor - aluminum alloy, nail-steel, Zink)**

It is designed for the quick through, non-removable fixing of profiles and different thin-sheet-materials to the concrete, stone and brick.

**Application:** Drill a hole of the necessary diameter, clean it. Put the dowel into the hole. Hammer the dowel-nail into the hole.

**Material:** dowel - Zink alloy N3, nail – steel GB Q195/Q215 ASTM 1017 ГОСТ Cr2Cp, Zink

**Approximate period of production:** 45 days

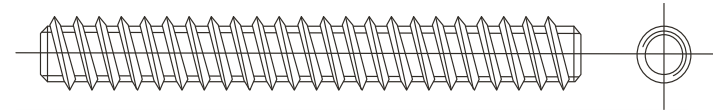
Dimension, mm	Weight 1000 PCS/kg
SMM 6x30	8,00
SMM 6x40	9,70

**Note:** Other dimensions are also available

# Metric fastening



- **Metric fastening** is a production intended for connection or fastening machine parts, building and other constructions. It includes the metric articles: screws, threaded rods, bolts, nuts, etc.



### PGO - Threaded Rod, White Zink Coating

The rod is a fastener without the cap or the bolt, it does not have a head, but has threads from both ends. It is designed for fixing fastening constructions with the metric thread. It is also possible to fasten timbers, boards, etc.

**Installation:** For installation of threaded rod, it is necessary to fasten a collet in the wall, to cut off necessary length and strengthen the material of necessary thickness in accordance with the permissible load.

**Material:** GB Q235, ГОСТ Ст3Срх

**Strength class:** 4,8

**Approximate period of production:** 20 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
PGO 5x1000	141.0
PGO 6x1000	155,5
PGO 8x1000	276
PGO 10x1000	444,6
PGO 12x1000	639
PGO 14x1000	877
PGO 16x1000	1197,5
PGO 18x1000	1562.5
PGO 20x1000	1845
PGO 24x1000	2790
PGO 30x1000	4686.0
PGO 36x1000	6900.0
PGO 5x2000	282.0
PGO 6x2000	310,9
PGO 8x2000	567,2
PGO 10x2000	923
PGO 12x2000	1334
PGO 14x2000	1842
PGO 16x2000	2469
PGO 18x2000	3125.0
PGO 20x2000	3892
PGO 24x2000	5570



**BL –Hex Bolt DIN 933. Full Thread. Class of Strength 8,8**

It is made of steel, Zink coating. It is designed for fastening sheet metal in machinery construction, for connecting different structures in the engineering and furniture industry.

**Installation:** Drill a hole of a bolt diameter in the mounted components, put the bolt in, put the washer on and then tighten the nut.

**Material:** Steel, Zink

**Strength class:** 8,8

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
BL 6x20	5,80
BL 6x25	6,65
BL 6x30	8,06
BL 6x40	10,20
BL 6x45	11,30
BL 6x50	12,30
BL 6x60	14,40
BL 6x70	16,50
BL 6x80	18,60
BL 6x90	21,00
BL 6x100	23,10
BL 8x20	12,30
BL 8x25	13,90
BL 8x30	15,50
BL 8x35	18,20
BL 8x40	20,70
BL 8x45	22,20
BL 8x50	24,20
BL 8x60	28,08
BL 8x70	32,70
BL 8x80	35,70
BL 8x90	39,70
BL 8x100	43,70
BL 8x110	46,00
BL 8x120	5,80



**BL –Hex Bolt DIN 933. Full Thread. Class of Strength 8,8**

It is made of steel, Zink coating. It is designed for fastening sheet metal in machinery construction, for connecting different structures in the engineering and furniture industry.

**Installation:** Drill a hole of a bolt diameter in the mounted components, put the bolt in, put the washer on and then tighten the nut.

**Material:** Steel, Zink

**Strength class:** 8,8

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
BL10x25	25,70
BL 10x30	28,20
BL 10x35	30,75
BL 10x40	35,00
BL 10x50	41,10
BL 10x60	46,90
BL 10x70	53,10
BL 10x80	59,30
BL 10x90	65,50
BL 10x100	71,70
BL 10x110	78,00
BL 10x120	84,30
BL 10x160	103,00
BL 10x200	128,00
BL 12x20	33,00
BL 12x30	40,20
BL 12x40	47,40
BL 12x45	53,60
BL 12x50	58,10
BL 12x60	67,00



**BL –Hex Bolt DIN 933. Full Thread. Class of Strength 8,8**

It is made of steel, Zink coating. It is designed for fastening sheet metal in machinery construction, for connecting different structures in the engineering and furniture industry.

**Installation:** Drill a hole of a bolt diameter in the mounted components, put the bolt in, put the washer on and then tighten the nut.

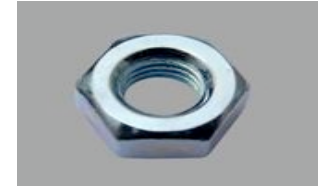
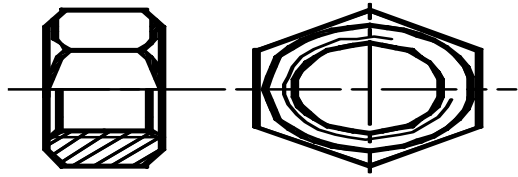
**Material:** Steel, Zink

**Strength class:** 8,8

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
BL 12x70	74,70
BL 12x80	83,60
BL 12x90	92,40
BL 12x100	101,00
BL 12x120	118,00
BL 12x130	127,00
BL 12x140	136,00
BL 16x40	90,20
BL 16x50	103,00
BL 16x60	123,00
BL 16x70	139,00
BL 16x80	155,00
BL 16x100	186,00
BL 16x110	202,00
BL 16x180	300,00
BL 16x200	332,00
BL 20x40	157,00
BL 20x50	178,00
BL 20x60	199,00
BL 20x70	231,00
BL 20x75	243,00
BL 20x80	255,00
BL 20x90	279,00
BL 20x100	303,00
BL 20x120	351,00
BL 20x140	399,00
BL 20x180	494,00
BL 20x200	545,00



**GO – Hex Nut DIN 934. Zink, Class of Strength 8,8**

It is made of steel, Zink coating. It is designed for fastening and connecting units and components together with the bolts, the screws and other fastening elements in engineering, construction and furniture industry and other branches of the national economy .

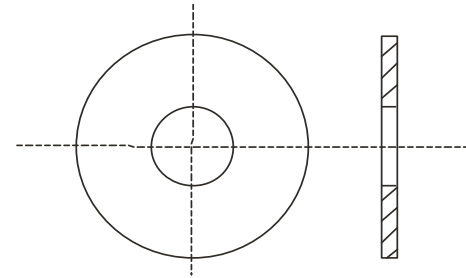
**Material:** Steel, Zink GB 35

**Strength class:** 8,8

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
GO M4	0,84
GO M5	1,23
GO M6	2,32
GO M8	5,67
GO M10	10,99
GO M12	16,32
GO M14	25,28
GO M16	34,12
GO M18	44,19
GO M20	61,91
GO M24	111,90
GO M27	168,00
GO M30	234,20
GO M33	370,90
GO M36	371,00



### SHBU – Washer Flat Increased DIN 9021

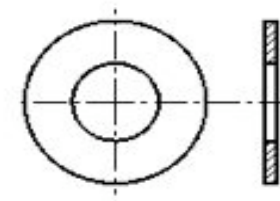
It is made of steel, Zink coating. It is used with thin sheet materials in the engineering, construction and furniture industry, and other branches of the national economy. The diameter of the hole of washer is a little more than the diameter of thread of the corresponding metric fastening.

**Material:** Steel, Zink Q 235

**Approximate period of production:** 60 days

**Note:** Other dimensions are also available

Dimension, MM	Weight 1000 PCS/kg
SHBU M6	2,79
SHBU M8	6,23
SHBU M10	12,20
SHBU M12	22,20
SHBU M14	31,60
SHBU M16	40,90
SHBU M18	67,40
SHBU M20	76,80
SHBU M24	139,00
SHBU M30	273,00



### SHB – Washer Flat DIN 125A

It is made of steel, Zink coating. It is used with the bolts, the screws and other fastening elements in the engineering, construction and furniture industry, and other branches of the national economy. The diameter of the hole of washer is a little more than the diameter of thread of the corresponding metric fastening.

**Material:** Steel, Zink Q 235

**Approximate period of production:** 60 days

Dimension, MM	Weight 1000 PCS/kg
SHB M6	1,02
SHB M8	1,83
SHB M10	3,57
SHB M12	6,27
SHB M14	8,62
SHB M16	11,30
SHB M18	14,70
SHB M20	17,20
SHB M24	32,30
SHB M30	53,60

**Note:** Other dimensions are also available



# 上海华熙贸易有限公司

HENGSEN (SHANGHAI) Co., LTD.



Suite 10D, Union Square,  
999 Pudong Road(s),  
Shanghai, China, 200120

Tel: +86 21 51388355

Fax: +86 21 51388333

E-mail: [construction@hengsen.biz](mailto:construction@hengsen.biz)