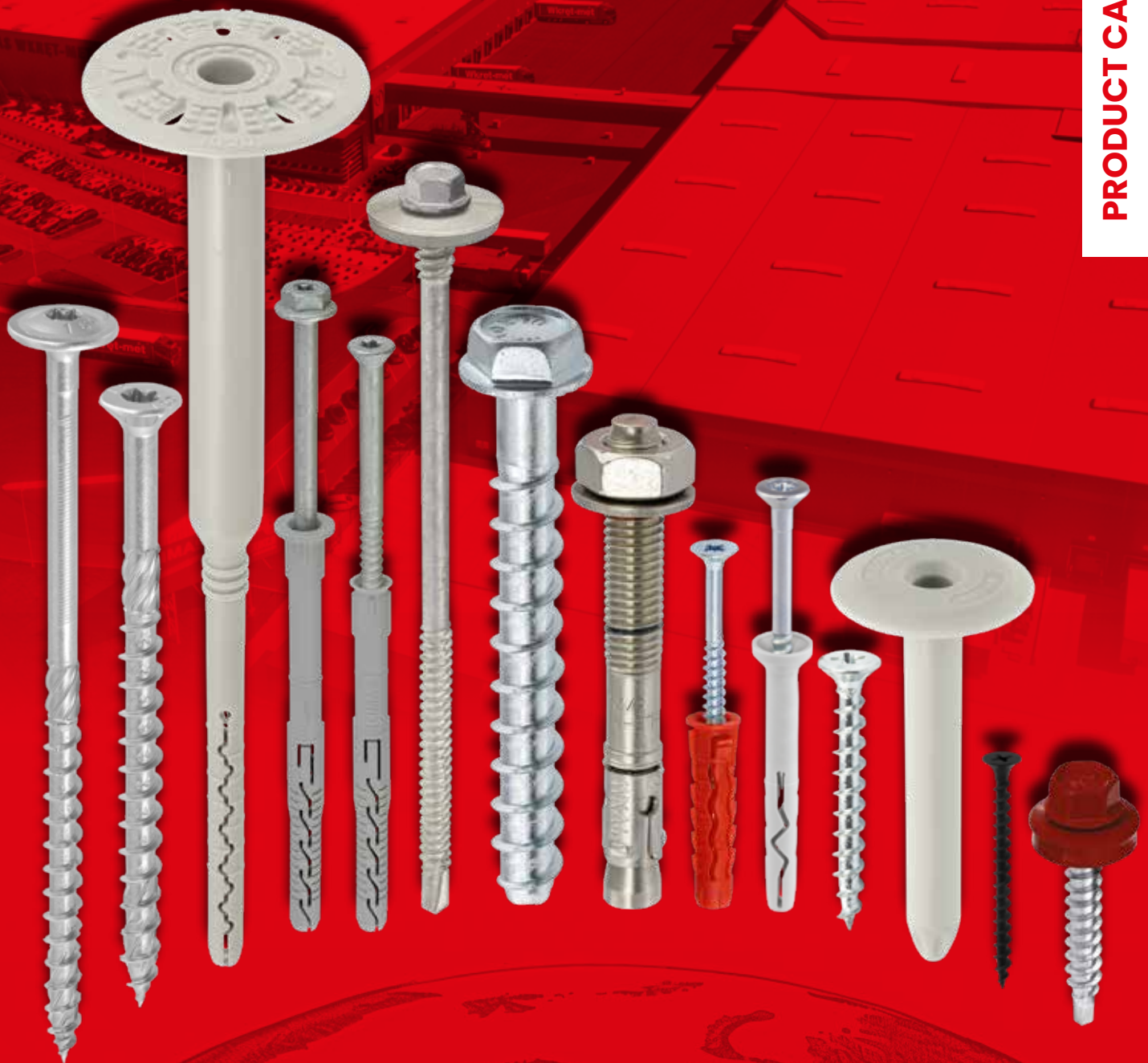


STRONG FOR GENERATIONS

PRODUCT CATALOG



35
YEARS

Wkręt-met®
KLIMAS



Production facility no. 2 and central warehouse – area of 30,000 m²
 New investment: plants no. 3 and 4 – area of 30,000 m²



Production facility no. 1 – area of 20,000 m²



4 PRODUCTION AND
STORAGE FACILITIES
OF TOTAL AREA OF

80 000 m²

OWN PRODUCTION
OF FASTENER TECHNOLOGIES

Production of Klimas Wkręt-met fastening technologies is held in 4 modern facilities, located in Kuźnica Kiedrzyńska and Wanaty near Częstochowa. The Company has launched production in its third facility in Wanaty which, with use of state-of-the-art technologies and applications, implements the assumptions of the Industry 4.0. programme.

INDEPENDENT AND FLEXIBLE PRODUCTION

PRODUCTS DEVELOPED BY THE R&D DEPARTMENT
WIDE RANGE OF SIZES
TOP-QUALITY PRODUCTS

OVER
400
CUTTING-EDGE MACHINES

- Extensive machine park.
- In-house product R&D department.
- Quality control at every stage of production.
- Top-quality materials from European steel mills.
- Various types of steel (low-carbon, stainless A2 AISI 304, acid-resistant A4 AISI 316, heat-treatable steel).
- Hardening (heat treatment).
- Application of protective coatings to prevent corrosion (galvanic coating, SQ Ceramic).
- Option to paint heads and washers to RAL colour chart.
- Variety of solutions - to suit the mounted material and substrate.
- Option to manufacture bolts in classes 10.9 and 12.9.
- Polish and European technical approvals.



WE PRODUCE

30 000 000 **SCREWS**
A DAY



COATINGS AS REQUIRED



White zinc



Yellow zinc



SQ Ceramic



- **Advanced machine park:**
 - ZN yellow zinc plating, free of CR6+ (hexavalent chromium).**
 - Advanced process line for SQ Ceramic coating.
 - Automatic line for passivation (application of a corrosion-resistant layer) and top coat (additional coatings).
 - State-of-the-art machinery that guarantees the quality of the coatings applied.



ADVANCED PROCESSING LINE – HARDENING AND GALVANIZING SHOP

PRECISION
HIGH QUALITY
HIGH CAPACITY

HARDENING FURNACES

WE HARDEN

21 000 000

SCREWS
A DAY



- Sophisticated machine park comprising 7 hardening furnaces.
- 2 cutting-edge furnaces for hardening screws over 200 mm while maintaining quality parameters - no crookedness.
- Automated hardening line - high productivity.



WE PRODUCE

9 000 000

FASTENERS
(PLASTIC)
A DAY

- Top-quality production materials: polyamide, polyethylene, polypropylene.
- Conditioning (a process to improve properties) of polyamide products guarantees adequate flexibility.
- A wide range of products for all-purpose or specialized use.
- In-house production of top-quality robotic hybrid injection molding machines.
- Automatic packaging process: from cardboard box/blister pack to pallet wrapping.



INDEPENDENT AND FLEXIBLE PRODUCTION
OVER

PRODUCTS DEVELOPED BY
THE R&D DEPARTMENT
WIDE RANGE OF SIZES
TOP-QUALITY PRODUCTS

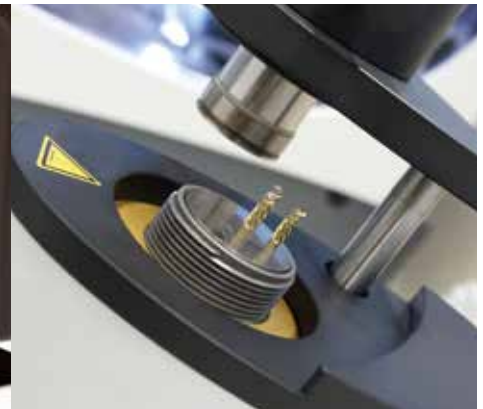
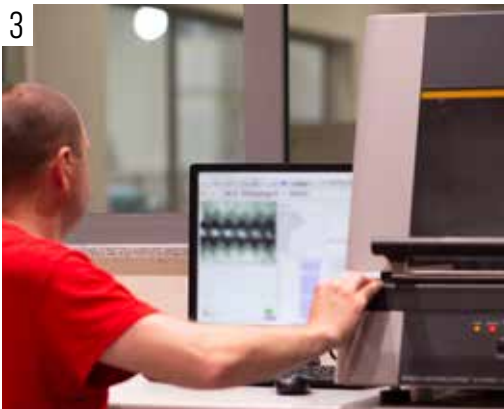
120

CUTTING-EDGE MOLDING INJECTION MACHINES

APPROVALS CERTIFICATES AWARDS



1. Vickers hardness and microhardness testing.
2. Assembly and load-bearing tests in all substrate categories according to ETAG.
3. Testing the thickness of anti-corrosion coatings using an X-ray fluorescence spectrometer - Fischerscope X-RAY XDL. Chemical composition analysis of alloy steels.
4. Preparation of metallographic specimens - metallographic testing of alloy steels.
5. Testing of assembly torque.



23

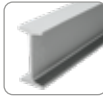


EUROPEAN TECHNICAL ASSESSMENTS

6. Determination of tensile strength of wire and finished products.
7. Metallographic testing - control of the heat and chemical treatment process, hardness, structure.
8. Corrosion resistance testing in a cyclic/salt chamber.
9. Accelerated aging testing of paint coatings in a UV chamber.
10. Fastener load capacity testing - pull-out force from the substrate.



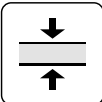
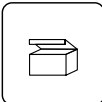
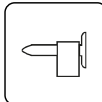
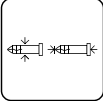
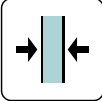
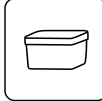
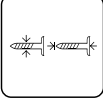
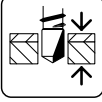
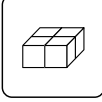
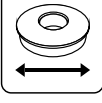
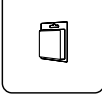
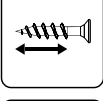
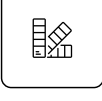
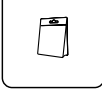
LEGEND

SUBSTRATES				ASSEMBLY METHOD	
	Concrete		Autoclaved aerated concrete AAC2 - AAC7		Profiled steel sheet
	Cracked concrete		Plasterboard		Profiled sheets
	Solid clay brick, Solid calcium silicate brick		Fiber-cement board		Steel
	Hollow or perforated clay brick		Solid wood		OSB board
	Elements on LAC lightweight aggregate concrete		Glued wood		
	Calcium silicate hollow block		Plywood		
					Screw-in fastener
					Hammer-in fastener

MATERIAŁ / POWŁOKA

	Poliamid (NYLON)		Yellow zinc		Anti Corrosion protection - Zinc flakes		Fire reaction class A1
	Polypropylene		A4 stainless steel		Zinc + aluminum		Fire resistance class
	Polyethylene		A2 stainless steel		Phosphated		25-year warranty
	White zinc		SQ Ceramic		Czernione		Corrosion class C4

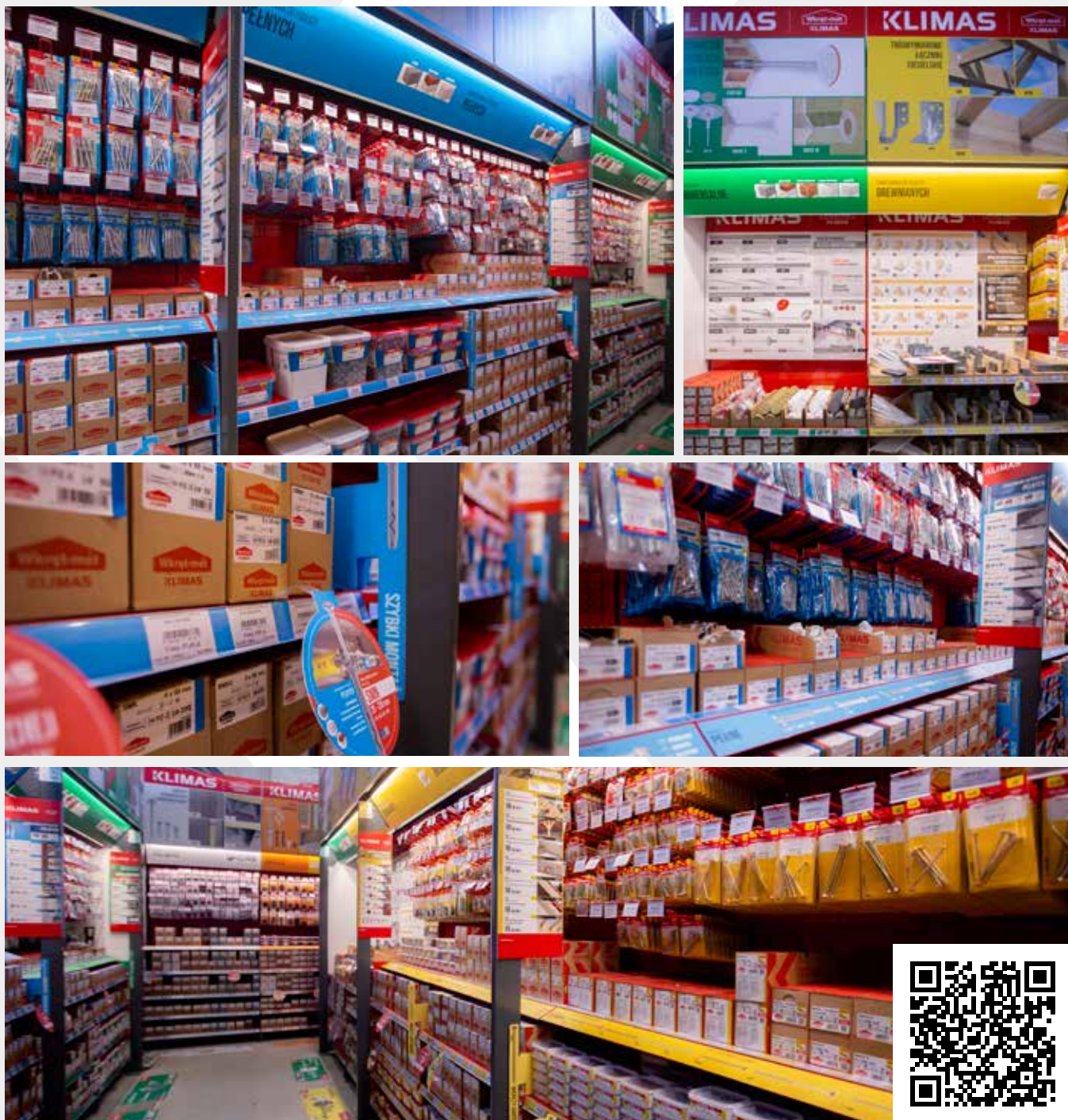
PIKTOGRAMY PARAMETRYCZNE

	Dimensions [mm]		Sheet thickness [mm]		Box quantity		Labeled product
	Plug dimension [mm]		Plasterboard thickness [mm]		Box weight		Quantity in Master Box
	Screw dimension [mm]		Drilling capacity [mm]		Number of pieces in a carton		Quantity in bucket
	Capacity [ml]		Washer diameter [mm]		Pieces per blister		
	Thread length [mm]		Colour		Pieces per bag		
	Compatible						

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WHY NEW PACKAGING?

TO MEET CUSTOMER EXPECTATIONS, KLIMAS WKREĆ-MET IS INTRODUCING NEW TYPES OF PACKAGING, CUSTOMIZATIONS AND QUANTITIES.



SEE HOW WE'RE CHANGING OUR DISPLAYS

STRONG FOR GENERATIONS



ONLINE
CATALOG

EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM ETICS

ThermoDrive V2

SCREWED-IN FASTENER WITH METAL PIN AND UNIVERSAL EXPANSION ZONE DEDICATED TO WIDE RANGE OF APPLICATIONS



VARIABLE UNIVERSAL EXPANSION ZONE 25-65 mm

Only one correctly selected length on the scaffolding possible in case of majority types and/or uneven substrates and/or different thermal insulation thickness.



VERY LOW POINT THERMAL CONDUCTIVITY COEFFICIENT

Minimum point thermal conductivity of 0,001 W/K over the entire thickness of thermal insulation material in immersed installation.



VERY HIGH PLATE STIFFNESS

1 kN/mm meets the requirements of ETICS systems and provides their durability and safety.



SCREWED-IN (TX-30) METAL PIN

It is possible to install polystyrene and mineral wool (including ETICS on ETICS).

VERY HIGH PULL-OUT RESISTANCE ON EVERY SUBSTRATE

PODŁOŻA [EAD 330196-01-0604]				
Concrete	Solid clay brick	Hollow or perforated clay brick	Elements on lightweight aggregate concrete	Autoclaved aerated concrete



EUROPEAN TECHNICAL ASSESSMENT
ETA-22/0611

EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM – ETICS DEDICATED TO THE PROFESSIONAL CLIENT MARKET

KLIMAS

FASTENER TECHNOLOGIES

Sales service provided by KLIMAS Wkręt-met Investment Sales Advisors.

For inquiries to the appropriate Investment Sales Advisor, please contact Customer Support at mailto: CustomerService@klimas.com or by phone at +48 34 326 13 00.

THERMODRIVE-V2 8

NEW

Ø8

Screwed-in fastener with metal pin and universal expansion zone dedicated to wide range of applications



Ø8		
THERMODRIVE-V2-08135(200)	8,0×135	200 szt.
THERMODRIVE-V2-08155(200)	8,0×155	200 szt.
THERMODRIVE-V2-08175(200)	8,0×175	200 szt.
THERMODRIVE-V2-08195(200)	8,0×195	200 szt.
THERMODRIVE-V2-08215(100)	8,0×215	100 szt.
THERMODRIVE-V2-08235(100)	8,0×235	100 szt.
THERMODRIVE-V2-08255(100)	8,0×255	100 szt.
THERMODRIVE-V2-08275(100)	8,0×275	100 szt.
THERMODRIVE-V2-08295(100)	8,0×295	100 szt.
THERMODRIVE-V2-08315(100)	8,0×315	100 szt.
THERMODRIVE-V2-08335(100)	8,0×335	100 szt.
THERMODRIVE-V2-08355(100)	8,0×355	100 szt.
THERMODRIVE-V2-08375(100)	8,0×375	100 szt.
THERMODRIVE-V2-08395(100)	8,0×395	100 szt.
THERMODRIVE-V2-08415(100)	8,0×415	100 szt.
THERMODRIVE-V2-08435(100)	8,0×435	100 szt.
THERMODRIVE-V2-08455(100)	8,0×455	100 szt.

The fastener is complete with a metal pin



ACCESSORIES - THERMODRIVE-V2

See more at page 24-26.

WK-FT - Plastic cutter for cutting holes in polystyrene EPS



KS, KSG - Polystyrene disc



TOOL THERMODRIVE V2



WK-FM - Metal cutter for mineral wool



EDMW - Mineral wool disc



Polystyrene plug KSV



Product code	Dimen- sions	Substrate cat. ABCD (t _{adhesive} layer of 10 mm*)		Substrate cat. E (t _{adhesive} layer of 10 mm)		Pack unit [pcs.]
		Thickness of insulation material [mm]	Effective anchorage depth [mm]	Thickness of insulation material [mm]	Effective anchorage depth [mm]	
SURFACE MOUNT - SELECTION TABLE						
THERMODRIVE-V2-08135(200)	8×135	80-100	45-25	80	45	200
THERMODRIVE-V2-08155(200)	8×155	80-120	65-25	80-100	65-45	200
THERMODRIVE-V2-08175(200)	8×175	100-140	65-25	100-120	65-45	200
THERMODRIVE-V2-08195(200)	8×195	120-160	65-25	120-140	65-45	200
THERMODRIVE-V2-08215(100)	8×215	140-180	65-25	140-160	65-45	100
THERMODRIVE-V2-08235(100)	8×235	160-200	65-25	160-180	65-45	100
THERMODRIVE-V2-08255(100)	8×255	180-220	65-25	180-200	65-45	100
THERMODRIVE-V2-08275(100)	8×275	200-240	65-25	200-220	65-45	100
THERMODRIVE-V2-08295(100)	8×295	220-260	65-25	220-240	65-45	100
THERMODRIVE-V2-08315(100)	8×315	240-280	65-25	240-260	65-45	100
THERMODRIVE-V2-08335(100)	8×335	260-300	65-25	260-280	65-45	100
THERMODRIVE-V2-08355(100)	8×355	280-320	65-25	280-300	65-45	100
THERMODRIVE-V2-08375(100)	8×375	300-340	65-25	300-320	65-45	100
THERMODRIVE-V2-08395(100)	8×395	320-360	65-25	320-340	65-45	100
THERMODRIVE-V2-08415(100)	8×415	340-380	65-25	340-360	65-45	100
THERMODRIVE-V2-08435(100)	8×435	360-400	65-25	360-380	65-45	100
THERMODRIVE-V2-08455(100)	8×455	380-420	65-25	380-400	65-45	100

IMMERGED MOUNT - SELECTION TABLE						
THERMODRIVE-V2-08135(200)	8×135	100-120	45-25	100	45	200
THERMODRIVE-V2-08155(200)	8×155	100-140	65-25	100-120	65-45	200
THERMODRIVE-V2-08175(200)	8×175	120-160	65-25	120-140	65-45	200
THERMODRIVE-V2-08195(200)	8×195	140-180	65-25	140-160	65-45	200
THERMODRIVE-V2-08215(100)	8×215	160-200	65-25	160-180	65-45	100
THERMODRIVE-V2-08235(100)	8×235	180-220	65-25	180-200	65-45	100
THERMODRIVE-V2-08255(100)	8×255	200-240	65-25	200-220	65-45	100
THERMODRIVE-V2-08275(100)	8×275	220-260	65-25	220-240	65-45	100
THERMODRIVE-V2-08295(100)	8×295	240-280	65-25	240-260	65-45	100
THERMODRIVE-V2-08315(100)	8×315	260-300	65-25	260-280	65-45	100
THERMODRIVE-V2-08335(100)	8×335	280-320	65-25	280-300	65-45	100
THERMODRIVE-V2-08355(100)	8×355	300-340	65-25	300-320	65-45	100
THERMODRIVE-V2-08375(100)	8×375	320-360	65-25	320-340	65-45	100
THERMODRIVE-V2-08395(100)	8×395	340-380	65-25	340-360	65-45	100
THERMODRIVE-V2-08415(100)	8×415	360-400	65-25	360-380	65-45	100
THERMODRIVE-V2-08435(100)	8×435	380-420	65-25	380-400	65-45	100
THERMODRIVE-V2-08455(100)	8×455	400-440	65-25	400-420	65-45	100

IMMERGED MOUNT WITH TOOL THERMODRIVE-V2 - SELECTION TABLE						
THERMODRIVE-V2-08135(200)	8×135	100	25	-	-	200
THERMODRIVE-V2-08155(200)	8×155	100-120	45-25	100	45	200
THERMODRIVE-V2-08175(200)	8×175	120-140	45-25	110-120	55-45	200
THERMODRIVE-V2-08195(200)	8×195	120-160	65-25	120-140	65-45	200
THERMODRIVE-V2-08215(100)	8×215	140-180	65-25	140-160	65-45	100
THERMODRIVE-V2-08235(100)	8×235	160-200	65-25	160-180	65-45	100
THERMODRIVE-V2-08255(100)	8×255	180-220	65-25	180-200	65-45	100
THERMODRIVE-V2-08275(100)	8×275	200-240	65-25	200-220	65-45	100
THERMODRIVE-V2-08295(100)	8×295	220-260	65-25	220-240	65-45	100
THERMODRIVE-V2-08315(100)	8×315	240-280	65-25	240-260	65-45	100
THERMODRIVE-V2-08335(100)	8×335	260-300	65-25	260-280	65-45	100
THERMODRIVE-V2-08355(100)	8×355	280-320	65-25	280-300	65-45	100
THERMODRIVE-V2-08375(100)	8×375	300-340	65-25	300-320	65-45	100
THERMODRIVE-V2-08395(100)	8×395	320-360	65-25	320-340	65-45	100
THERMODRIVE-V2-08415(100)	8×415	340-380	65-25	340-360	65-45	100
THERMODRIVE-V2-08435(100)	8×435	360-400	65-25	360-380	65-45	100
THERMODRIVE-V2-08455(100)	8×455	380-420	65-25	380-400	65-45	100

*with the thickness of the glue >10 mm to take into consideration when choosing a fastener

Sales service provided by KLIMAS Wkręt-met Investment Sales Advisors. For inquiries to the appropriate Investment Sales Advisor, please contact Customer Support at dws@wkręt-met.com or by phone at +48 801 477 477.

WK THERM-8

Ø8

Hammer driven fastener with metal pin and short expansion zone



ETAG 014
ABC



Ø8			
	WK THERM08095(200)	8,0×95	200
	WK THERM08115(200)	8,0×115	200
	WK THERM08135(200)	8,0×135	200
	WK THERM08155(200)	8,0×155	200
	WK THERM08175(200)	8,0×175	200
	WK THERM08195(200)	8,0×195	200
	WK THERM08215(100)	8,0×215	100
	WK THERM08235(100)	8,0×235	100
	WK THERM08255(100)	8,0×255	100
	WK THERM08275(100)	8,0×275	100
	WK THERM08295(100)	8,0×295	100

Insulation material thickness t_{ix} [mm]				
New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster*		
Without cutter				
	NO	YES	NO	YES
WK THERM08095(200)	60	80	40	60
WK THERM08115(200)	80	100	60	80
WK THERM08135(200)	100	120	80	100
WK THERM08155(200)	120	140	100	120
WK THERM08175(200)	140	160	120	140
WK THERM08195(200)	160	180	140	160
WK THERM08215(100)	180	200	160	180
WK THERM08235(100)	200	220	180	200
WK THERM08255(100)	220	240	200	220
WK THERM08275(100)	240	260	220	240
WK THERM08295(100)	260	280	240	260

* approximate thickness

ACCESSORIES - WK THERM 8

See more at page 24-26.

WK-FT - Plastic cutter for cutting holes in polystyrene EPS

KS, KSG - Polystyrene disc for WK-FT cutter



WK-FM - Metal cutter for mineral wool

EDMW - Mineral wool disc for WK-FM cutter

TDX-90, TDX-140
Additional collar



WK THERM S-8

Ø8

Screwed-in fastener with metal pin and short expansion zone



ETAG 014
ABCDE



Ø8			
	WK THERM-S-08095(200)	8,0×95	200
	WK THERM-S-08115(200)	8,0×115	200
	WK THERM-S-08135(200)	8,0×135	200
	WK THERM-S-08155(200)	8,0×155	200
	WK THERM-S-08175(200)	8,0×175	200
	WK THERM-S-08195(200)	8,0×195	200
	WK THERM-S-08215(100)	8,0×215	100
	WK THERM-S-08235(100)	8,0×235	100
	WK THERM-S-08255(100)	8,0×255	100
	WK THERM-S-08275(100)	8,0×275	100
	WK THERM-S-08295(100)	8,0×295	100

Insulation material thickness t _{fix} [mm]				
New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster**		
Without cutter				
	NO	YES	NO	YES
WK THERM-S-08095(200)	60/20*	80/40*	40/-*	60/20*
WK THERM-S-08115(200)	80/40*	100/60*	60/20*	80/40*
WK THERM-S-08135(200)	100/60*	120/80*	80/40*	100/60*
WK THERM-S-08155(200)	120/80*	140/100*	100/60*	120/80*
WK THERM-S-08175(200)	140/100*	160/120*	120/80*	140/100*
WK THERM-S-08195(200)	160/120*	180/140*	140/100*	160/120*
WK THERM-S-08215(100)	180/140*	200/160*	160/120*	180/140*
WK THERM-S-08235(100)	200/160*	220/180*	180/140*	200/160*
WK THERM-S-08255(100)	220/180*	240/200*	200/160*	220/180*
WK THERM-S-08275(100)	240/200*	260/220*	220/180*	240/200*
WK THERM-S-08295(100)	260/220*	280/240*	240/200*	260/220*

*for substrate use category E (Autoclaved aerated concrete) / ** approximate thickness

ACCESSORIES - WK THERM S-8

See more at page 24-26.

WK-FT - Plastic cutter for cutting holes in polystyrene EPS

KS, KSG - Polystyrene disc for WK-FT cutter



WK-FM - Metal cutter for mineral wool

EDMW - Mineral wool disc for WK-FM cutter

TDX-90, TDX-140
Additional collar



EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM – ETICS

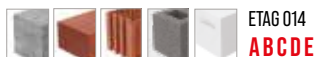
KLIMAS

FASTENER TECHNOLOGIES

ECO-DRIVE 8

Ø8

Screwed-in fastener with metal pin and telescopic support collar



ECO-DRIVE S 8

Ø8

Screwed-in fastener with metal pin and telescopic support collar



Ø8	ECODRIVE-08150(100)	8,0×150	100
	ECODRIVE-08170(100)	8,0×170	100
	ECODRIVE-08190(100)	8,0×190	100
	ECODRIVE-08210(100)	8,0×210	100
	ECODRIVE-08230(100)	8,0×230	100
	ECODRIVE-08250(100)	8,0×250	100
	ECODRIVE-08270(100)	8,0×270	100
	ECODRIVE-08290(100)	8,0×290	100
	ECODRIVE-08310(100)	8,0×310	100
	ECODRIVE-08330(100)	8,0×330	100
	ECODRIVE-08350(100)	8,0×350	100
	ECODRIVE-08370(100)	8,0×370	100
	ECODRIVE-08390(100)	8,0×390	100
	ECODRIVE-08410(100)	8,0×410	100
	ECODRIVE-08430(100)	8,0×430	100

Ø8	ECODRIVE-S-08150(100)	8,0×150	100
	ECODRIVE-S-08170(100)	8,0×170	100
	ECODRIVE-S-08190(100)	8,0×190	100
	ECODRIVE-S-08210(100)	8,0×210	100
	ECODRIVE-S-08230(100)	8,0×230	100
	ECODRIVE-S-08250(100)	8,0×250	100
	ECODRIVE-S-08270(100)	8,0×270	100
	ECODRIVE-S-08290(100)	8,0×290	100
	ECODRIVE-S-08310(100)	8,0×310	100
	ECODRIVE-S-08330(100)	8,0×330	100
	ECODRIVE-S-08350(100)	8,0×350	100
	ECODRIVE-S-08370(100)	8,0×370	100
	ECODRIVE-S-08390(100)	8,0×390	100
	ECODRIVE-S-08410(100)	8,0×410	100
	ECODRIVE-S-08430(100)	8,0×430	100

Insulation material thickness t_{ix} [mm]			
	New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster*
	Utility category		
	A B C D	E	A B C D
ECODRIVE-08150(100)	80	—	—
ECODRIVE-08170(100)	100	80	80
ECODRIVE-08190(100)	120	100	100
ECODRIVE-08210(100)	140	120	120
ECODRIVE-08230(100)	160	140	140
ECODRIVE-08250(100)	180	160	160
ECODRIVE-08270(100)	200	180	180
ECODRIVE-08290(100)	220	200	200
ECODRIVE-08310(100)	240	220	220
ECODRIVE-08330(100)	260	240	240
ECODRIVE-08350(100)	280	260	260
ECODRIVE-08370(100)	300	280	280
ECODRIVE-08390(100)	320	300	300
ECODRIVE-08410(100)	340	320	320
ECODRIVE-08430(100)	360	340	340

* approximate thickness

Insulation material thickness t_{ix} [mm]			
	New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster*
	Utility category		
	A B C D	E	A B C D
ECODRIVE-S-08150(100)	80	—	—
ECODRIVE-S-08170(100)	100	80	80
ECODRIVE-S-08190(100)	120	100	100
ECODRIVE-S-08210(100)	140	120	120
ECODRIVE-S-08230(100)	160	140	140
ECODRIVE-S-08250(100)	180	160	160
ECODRIVE-S-08270(100)	200	180	180
ECODRIVE-S-08290(100)	220	200	200
ECODRIVE-S-08310(100)	240	220	220
ECODRIVE-S-08330(100)	260	240	240
ECODRIVE-S-08350(100)	280	260	260
ECODRIVE-S-08370(100)	300	280	280
ECODRIVE-S-08390(100)	320	300	300
ECODRIVE-S-08410(100)	340	320	320
ECODRIVE-S-08430(100)	360	340	340

* approximate thickness

ACCESSORIES - ECO-DRIVE 8

See more at page 24-26.

EDST - Setting tool ECO-DRIVE[®]
8, ECO-DRIVE S 8, DRIVE S



EDKSG - Graphite
styrofoam disc
(for ECO-DRIVE 8, DRIVE S)



ACCESSORIES - ECO-DRIVE S 8

See more at page 24-26.

EDST - Setting tool ECO-DRIVE 8,
ECO-DRIVE S 8, DRIVE S



ECO-DRIVE W 8

Ø8

Screwed-in fastener with metal pin and telescopic support collar for mineral wool MW



ETAG 014
ABCDE



LMX-8

Ø8

Universal hammer driven fastener with metal pin and short expansion zone



ETAG 014
ABCDE



Ø8	ECO-DRIVE-W-08150(50)	8,0×150	50
	ECO-DRIVE-W-08170(50)	8,0×170	50
	ECO-DRIVE-W-08190(50)	8,0×190	50
	ECO-DRIVE-W-08210(50)	8,0×210	50
	ECO-DRIVE-W-08230(50)	8,0×230	50
	ECO-DRIVE-W-08250(50)	8,0×250	50
	ECO-DRIVE-W-08270(50)	8,0×270	50
	ECO-DRIVE-W-08290(50)	8,0×290	50
	ECO-DRIVE-W-08310(50)	8,0×310	50
	ECO-DRIVE-W-08330(50)	8,0×330	50
	ECO-DRIVE-W-08350(50)	8,0×350	50
	ECO-DRIVE-W-08370(50)	8,0×370	50
	ECO-DRIVE-W-08390(50)	8,0×390	50
	ECO-DRIVE-W-08410(50)	8,0×410	50
	ECO-DRIVE-W-08430(50)	8,0×430	50

Ø8	LMX08095(200)	8,0×95	200
	LMX08115(200)	8,0×115	200
	LMX08135(200)	8,0×135	200
	LMX08155(200)	8,0×155	200
	LMX08175(200)	8,0×175	200
	LMX08195(200)	8,0×195	200

	Insulation material thickness t_{ix} [mm]		
	New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster*
	Kategoria użytkowa		
	A B C D	E	A B C D
ECODRIVE-W-08150(50)	80	—	—
ECODRIVE-W-08170(50)	100	80	80
ECODRIVE-W-08190(50)	120	100	100
ECODRIVE-W-08210(50)	140	120	120
ECODRIVE-W-08230(50)	160	140	140
ECODRIVE-W-08250(50)	180	160	160
ECODRIVE-W-08270(50)	200	180	180
ECODRIVE-W-08290(50)	220	200	200
ECODRIVE-W-08310(50)	240	220	220
ECODRIVE-W-08330(50)	260	240	240
ECODRIVE-W-08350(50)	280	260	260
ECODRIVE-W-08370(50)	300	280	280
ECODRIVE-W-08390(50)	320	300	300
ECODRIVE-W-08410(50)	340	320	320
ECODRIVE-W-08430(50)	360	340	340

* approximate thickness

ACCESSORIES - ECO-DRIVE W 8

See more at page 24-26.

EDST-W - Setting tool
ECO-DRIVE W 8,
DRIVE W



EDKW - Mineral wool disc
(ECO-DRIVE W 8, DRIVE W)



ACCESSORIES - LMX-8

See more at page 24-26.

WK-FT - Plastic cutter for
cutting holes
in polystyrene EPS



KS, KSG - Polystyrene disc for
WK-FT cutter



WK-FM - Metal cutter
for mineral wool



EDMW - Mineral wool disc
for WK-MF cutter



TDX-90, TDX-140
Additional collar



EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM – ETICS

KLIMAS

FASTENER TECHNOLOGIES

LMX-10

Ø10

Universal hammer driven fastener with metal pin and short expansion zone



LFMG-10

Ø10

Hammer driven fastener with metal pin and extended expansion zone



			
Ø10	LMX10070(200)	10×70	200
	LMX10090(200)	10×90	200
	LMX10110(200)	10×110	200
	LMX10120(200)	10×120	200
	LMX10140(200)	10×140	200
	LMX10160(200)	10×160	200
	LMX10180(200)	10×180	200
	LMX10200(200)	10×200	200
	LMX10220(100)	10×220	100
	LMX10240(100)	10×240	100
	LMX10260(100)	10×260	100

Ø10	LFMG10140(200)	10×140	200
	LFMG10160(200)	10×160	200
	LFMG10180(200)	10×180	200
	LFMG10200(200)	10×200	200
	LFMG10220(100)	10×220	100
	LFMG10240(100)	10×240	100
	LFMG10260(100)	10×260	100
	LFMG10300(100)	10×300	100

Insulation material thickness t _{fix} [mm]				
New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster**		
With cutter				
	NO	YES	NO	YES
LMX10070(200)	30/10*	50/30*	10/-*	30/10*
LMX10090(200)	50/30*	70/50*	30/10*	50/30*
LMX10110(200)	70/50*	90/70*	50/30*	70/50*
LMX10120(200)	80/60*	100/80*	60/40*	80/60*
LMX10140(200)	100/80*	120/100*	80/60*	100/80*
LMX10160(200)	120/100*	140/120*	100/80*	120/100*
LMX10180(200)	140/120*	160/140*	120/100*	140/120*
LMX10200(200)	160/140*	180/160*	140/120*	160/140*
LMX10220(100)	180/160*	200/180*	160/140*	180/160*
LMX10240(100)	200/180*	220/200*	180/160*	200/180*
LMX10260(100)	220/200*	240/220*	200/180*	220/200*

* for substrate use category E (Autoclaved aerated concrete) / ** approximate thickness

ACCESSORIES - LMX-10

See more at page 24-26.

WK-FT - Plastic cutter for
cutting holes
in polystyrene EPS



KS, KS6 - Polystyrene disc for
WK-FT cutter

WK-FM - Metal cutter
for mineral wool



EDMW - Mineral wool disc
for WK-FM cutter

TDX-90, TDX-140
Additional collar



ACCESSORIES - LFMG-10

See more at page 24-26.

WK-FT - Plastic cutter for
cutting holes
in polystyrene EPS



KS, KS6 - Polystyrene disc for
WK-FT cutter



WK-FM - Metal cutter
for mineral wool



EDMW - Mineral wool disc
for WK-FM cutter



TDX-90, TDX-140
Additional collar



LGX-10

Ø10

Universal hammer driven fastener with steel pin for fixing polystyrene foam and mineral wool - short expansion zone



MLN

Ø8

Special hammer driven metal fastener for mineral wool MW



Ø10	LGX10070(200) LGX10090(200) LGX10110(200) LGX10120(200) LGX10140(200) LGX10160(200) LGX10180(200) LGX10200(200) LGX10220(100) LGX10260(100)	10×70 10×90 10×110 10×120 10×140 10×160 10×180 10×200 10×220 10×260	200 200 200 200 200 200 200 200 100 100

Ø8	MLN-08110 MLN-08140 MLN-08170 MLN-08200 MLN-08210 MLN-08230 MLN-08250 MLN-08260 MLN-08300	8×110 8×140 8×170 8×200 8×210 8×230 8×250 8×260 8×300	50 50 50 50 50 50 50 50 50

	Insulation material thickness t_{ix} [mm]			
	New buildings 10 mm glue		Old buildings 10 mm glue + 20 mm old plaster*	
	unmilled	milled	unmilled	milled
LGX10070(200)	30/10*	50/30*	10/-*	30/10*
LGX10090(200)	50/30*	70/50*	30/10*	50/30*
LGX10110(200)	70/50*	90/70*	50/30*	70/50*
LGX10120(200)	80/60*	100/80*	60/40*	80/60*
LGX10140(200)	100/80*	120/100*	80/60*	100/80*
LGX10160(200)	120/100*	140/120*	100/80*	120/100*
LGX10180(200)	140/120*	160/140*	120/100*	140/120*
LGX10200(200)	160/140*	180/160*	140/120*	160/140*
LGX10220(100)	180/160*	200/180*	160/140*	180/160*
LGX10260(100)	220/200*	240/220*	200/180*	220/200*

* approximate thickness

	Insulation material thickness t_{ix} [mm]	
	New buildings adhesive layer of 10 mm	Old buildings adhesive layer of 10 mm + 20 mm of old plaster**
MLN-08110	50	30
MLN-08140	80	60
MLN-08170	110	90
MLN-08200	140	120
MLN-08210	150	130
MLN-08230	170	150
MLN-08250	190	170
MLN-08260	200	180
MLN-08300	240	220

**approximate thickness

ACCESSORIES - LGX-10

WK-FT - Plastic cutter for cutting holes in polystyrene EPS



KS, KSG - Polystyrene disc for WK-FT cutter

WK-FM - Metal cutter for mineral wool



EDMW - Mineral wool disc for WK-FM cutter



TDX-90, TDX-140
Additional collar



EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM – ETICS

KLIMAS

FASTENER TECHNOLOGIES

DRIVE W

Ø6

Screwed-in fastener for fastening of mineral wool MW in wooden substrate



		Insulation thickness [mm]	
Ø6	DRIVE-W-06120(50)	6,0×110	50
	DRIVE-W-06140(50)	6,0×130	50
	DRIVE-W-06160(50)	6,0×150	50
	DRIVE-W-06180(50)	6,0×170	50
	DRIVE-W-06200(50)	6,0×190	50
	DRIVE-W-06220(50)	6,0×210	50
	DRIVE-W-06240(50)	6,0×230	50
	DRIVE-W-06260(50)	6,0×250	50
	DRIVE-W-06280(50)	6,0×270	50
	DRIVE-W-06300(50)	6,0×290	50
	DRIVE-W-06320(50)	6,0×310	50

ACCESSORIES - DRIVE W

See more at page 24-26.



EDST-W - Setting tool ECO-DRIVE W 8, DRIVE W



EDKW - Mineral wool disc (ECO-DRIVE W 8, DRIVE W)

DRIVE S

Ø6

Screwed-in fastener for fastening of polystyrene EPS foam in wooden substrate



		Insulation thickness [mm]	
Ø6	DRIVE-S-06120(100)	6,0×110	100
	DRIVE-S-06140(100)	6,0×130	100
	DRIVE-S-06160(100)	6,0×150	100
	DRIVE-S-06180(100)	6,0×170	100
	DRIVE-S-06200(100)	6,0×190	100
	DRIVE-S-06220(100)	6,0×210	100
	DRIVE-S-06240(100)	6,0×230	100
	DRIVE-S-06260(100)	6,0×250	100
	DRIVE-S-06280(100)	6,0×270	100
	DRIVE-S-06300(100)	6,0×290	100
	DRIVE-S-06320(100)	6,0×310	100

ACCESSORIES - DRIVE S

See more at page 24-26.



EDST - Setting tool ECO-DRIVE 8, ECO-DRIVE S 8, DRIVE S



EDKS6 - Polystyrene disc (ECO-DRIVE 8, DRIVE S)

TD, TDP

Ø60 | 90

Special screwed-in fastener with screw



	PA 100% NYLON	PP POLYPROPYLENE			
Ø60	TD060	TDP060	60	100	600
Ø90	TD090	TDP090	90	100	600

COMPATIBLE SHEET METAL SCREWS



WDB-T - FOR THE STEEL PROFILE SHEETS o gr. 0,5÷0,75 mm



WSR-T - FOR STEEL PROFILE SHEETS o gr. 0,5÷1,25 mm

COMPATIBLE WOOD SCREWS



KDH - COUNTERSUNK SCREWS (PZ)

FIXPLUG FASTENERS A BREAKTHROUGH IN THERMAL INSULATION INSTALLATION TECHNOLOGY!

FIXPLUG-8 / FIXPLUG-10

PREVENTS INSTALLATION ERRORS

The telescopic design of the FIXPLUG guarantees proper seating in the substrate and controlled penetration of the pressure flange into the insulation material. Installation is much easier and failure-free.

EASY, QUICK, AND **RELIABLE** INSTALLATION

The telescopic design of the fastener ensures proper seating in the substrate and proper flush fit of the pressure flange with the insulation material used.

SAFE DESIGN

The pins do not break during installation, even when hammered in hard. The large pin head facilitates mounting.

INCREASED BOND

A large number of “adhesive pockets and moldings” on the pressure flange increases the bond of the adhesive mortar.

FIXPLUG-8 / FIXPLUG-10

FASTENERS WITH PLASTIC PIN

FIXPLUG-8

Ø8

Hammer driven fastener with plastic pin and telescopic collar



FIXPLUG-10

Ø10

Hammer driven fastener with plastic pin and telescopic collar



Ø8			
	FIXPLUG08110(200)	8,0×110	200
	FIXPLUG08130(200)	8,0×130	200
	FIXPLUG08150(200)	8,0×150	200
	FIXPLUG08170(200)	8,0×170	200
	FIXPLUG08190(200)	8,0×190	200
	FIXPLUG08210(100)	8,0×210	100

Ø10			
	FIXPLUG10120(200)	10×120	200
	FIXPLUG10140(200)	10×140	200
	FIXPLUG10160(200)	10×160	200
	FIXPLUG10180(200)	10×180	200
	FIXPLUG10200(200)	10×200	200
	FIXPLUG10220(100)	10×220	100
	FIXPLUG10260(100)	10×260	100

	Insulation material thickness t_{ix} [mm]	
	New buildings adhesive layer of 10 mm	Old buildings adhesive layer of 10 mm + 20 mm of old plaster*
FIXPLUG08110(200)	60	40
FIXPLUG08130(200)	80	60
FIXPLUG08150(200)	100	80
FIXPLUG08170(200)	120	100
FIXPLUG08190(200)	140	120
FIXPLUG08210(100)	160	140

* approximate thickness

	Insulation material thickness t_{fix} [mm]			
	New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster*	
	Utility category			
	A B	C D E	A B	C D E
	FIXPLUG10120(200)	80	60	60
FIXPLUG10140(200)	100	80	80	60
FIXPLUG10160(200)	120	100	100	80
FIXPLUG10180(200)	140	120	120	100
FIXPLUG10200(200)	160	140	140	120
FIXPLUG10220(100)	180	160	160	140
FIXPLUG10260(100)	220	200	200	180

* approximate thickness



LFN-10

Ø10

Hammer driven fastener with plastic pin and extended expansion zone



ETAG 014
BCE



Ø10	LFN10140(200)	10×140	200
	LFN10160(200)	10×160	200
	LFN10180(200)	10×180	200
	LFN10200(200)	10×200	200
	LFN10220(100)	10×220	100
	LFN10260(100)	10×260	100
	LFN10300(100)	10×300	100

	Insulation material thickness t_{fix} [mm]			
	New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster**	
	With cutter			
	NO	YES	NO	YES
LFN10140(200)	60	80	40	60
LFN10160(200)	80	100	60	80
LFN10180(200)	100	120	80	100
LFN10200(200)	120	140	100	120
LFN10220(100)	140	160	120	140
LFN10260(100)	180	200	160	180
LFN10300(100)	220	240	200	220

** approximate thickness

ACCESSORIES - LFN-10

See more at page 24-26.

WK-FT - Plastic cutter for cutting holes
in polystyrene EPS

KS, KSG - Polystyrene disc



EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM – ETICS

KLIMAS

FASTENER TECHNOLOGIES

LTX-8

Ø8

Universal hammer driven fastener with plastic pin and short expansion zone



Ø8			
	LTX08095(200)	8×95	200
	LTX08115(200)	8×115	200
	LTX08135(200)	8×135	200
	LTX08155(200)	8×155	200
	LTX08175(200)	8×175	200
	LTX08195(200)	8×195	200

Insulation material thickness t _{fix} [mm]				
New buildings adhesive layer of 10 mm			Old buildings adhesive layer of 10 mm + 20 mm of old plaster**	
With cutter				
	NO	YES	NO	YES
LTX08095(200)	60/20*	80/40*	40/-*	60/20*
LTX08115(200)	80/40*	100/60*	60/20*	80/40*
LTX08135(200)	100/60*	120/80*	80/40*	100/60*
LTX08155(200)	120/80*	140/100*	100/60*	120/80*
LTX08175(200)	140/100*	160/120*	120/80*	140/100*
LTX08195(200)	160/120*	180/140*	140/100*	160/120*

* for substrate use category E (Autoclaved aerated concrete)

** approximate thickness

ACCESSORIES - LTX-8

See more at page 24-26.

WK-FT - Plastic cutter for cutting holes
in polystyrene EPS



KS, KSG - Polystyrene disc
for WK-FT cutter



LTX-10

Ø10

Universal hammer driven fastener with plastic pin and short expansion zone



Ø10			
	LTX10070(200)	10×70	200
	LTX10090(200)	10×90	200
	LTX10110(200)	10×110	200
	LTX10120(200)	10×120	200
	LTX10140(200)	10×140	200
	LTX10160(200)	10×160	200
	LTX10180(200)	10×180	200
	LTX10200(200)	10×200	200
	LTX10220(100)	10×220	100
	LTX10260(100)	10×260	100

	Insulation material thickness t_{fix} [mm]			
	New buildings adhesive layer of 10 mm		Old buildings adhesive layer of 10 mm + 20 mm of old plaster**	
	With cutter			
	NO	YES	NO	YES
LTX10070(200)	30/10*	50/30*	10/-*	30/10*
LTX10090(200)	50/30*	70/50*	30/10*	50/30*
LTX10110(200)	70/50*	90/70*	50/30*	70/50*
LTX10120(200)	80/60*	100/80*	60/40*	80/60*
LTX10140(200)	100/80*	120/100*	80/60*	100/80*
LTX10160(200)	120/100*	140/120*	100/80*	120/100*
LTX10180(200)	140/120*	160/140*	120/100*	140/120*
LTX10200(200)	160/140*	180/160*	140/120*	160/140*
LTX10220(100)	180/160*	200/180*	160/140*	180/160*
LTX10260(100)	220/200*	240/220*	200/180*	220/200*

* for substrate use category E (Autoclaved aerated concrete)

** approximate thickness

ACCESSORIES - LTX-10

See more at page 24-26.

WK-FT - Plastic cutter for cutting holes
in polystyrene EPS



KS, KSG - Polystyrene disc for WK-FT cutter



TOOL THERMODRIVE V2

Setting tool for THERMODRIVE V2



				
Ø 120	TOOL-THERMODRIVE-V2	120	1	6

WK-FT

Plastic cutter for cutting holes in polystyrene EPS



				
Ø 66,7	WK-FT	66,7	1	30
				
Ø 66,7	W-WK-FT	66,7	1	20

EDST-W

Setting tool ECO-DRIVE W 8, DRIVE W



			
EDST-W		1	16

EDST

Setting tool ECO-DRIVE 8, ECO-DRIVE S 8, DRIVE S



			
EDST		1	12

KS, KSG

KS, KSG - Polystyrene disc for WK-FT cutter



					
Ø 67	KS(100)	67	□	100	1000
	KSG(100)	67	■	100	1000

EDKSG

Polystyrene disc (ECO-DRIVE 8, DRIVE S)



			
EDKSG(100)		100	1000

EDKW

Mineral wool disc (ECO-DRIVE W 8, DRIVE W)



				
Ø 67	EDKW(50)	67	50	1000

WK-FM

Metal cutter for mineral wool



				
Ø 66,7	WK-FM	66,7	1	30

EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM – ETICS

KLIMAS
FASTENER TECHNOLOGIES

EDMW

Mineral wool disc for WK-MF cutter



Ø 67	EDMW(100)	67	100	1000
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KSV

Polystyrene plug for THERMODRIVE-V2



Ø 13	KSV(100)	13×20	100	1000
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DW

Spacer and levelling washers



		Grubość	
DW-02(50)		2 mm	50
DW-03(50)		3 mm	50
DW-04(50)		4 mm	50
DW-05(50)		5 mm	50
DW-08(50)		8 mm	50
DW-10(50)		10 mm	50
DW-15(50)		15 mm	50

TDX, TDXP

Ø 90 | 140

Additional collar



Ø 90	TDX-90	90	nylon	100	600
Ø 140	TDX140	140	nylon	200	200
Ø 140	TDXP140	140	polietylen	200	200

WK-DS

Screwed-in helical fastener



WK-DS050(10)(X12)	50	10	200
WK-DS085(10)(X12)	85	10	150

HOX

Ø 14 | 16

Expansion plug with eye-bolt



ITB-K0T-2018/0528

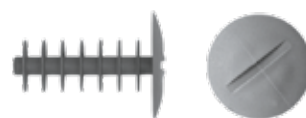


		14×80	10×165	20	160
Ø 14	HOX-14120	14×80	10×205	20	80
	HOX-14160	14×80	10×235	20	80
	HOX-14230	14×80	10×275	20	80
	HOX-14230	14×80	10×275	20	80
Ø 16	HOX-16160	16×100	12×210	15	60
	HOX-16190	16×100	12×240	15	60
	HOX-16230	16×100	12×280	15	60
	HOX-16300	16×100	12×350	15	60
	HOX-16350	16×100	12×400	10	50

Ø 16		16×100	12×280	15	60
	HOX-16230-E	16×100	12×350	15	60

ZHO

Plastic cup for covering HOX eye-hook holes



ZHO-BI		100	800
ZHO-SZ		100	800
ZHO-PI		100	800

SMNKC

Ø5 | 6

Expansion plug with collar



ETA-19/0156



KST-750

PU adhesive for foamed polystyrene THERMO STYRO FIX



KST-750(X12)

750 ml

12

SD4

Sds plus drill bits



SD4-08460

8,0×460

400

1

SWS-SMART-145

Glassfibre mesh

ETA-16/0765



g/m²

m²

SWS-SMART-145

110 cm×50 mb

145 g/m²

55

SWS-SMART-145Z

Glassfibre mesh

ETA-16/0765



g/m²

m²

SWS-SMART-145Z

110 cm×50 mb

145 g/m²

55

SWS-145, SWS-160

Glassfibre mesh

ETA-13/0392



g/m²

m²

SWS-145

110 cm×50 mb

145 g/m²

55

SWS-160

110 cm×50 mb

160 g/m²

55

SWS-145 Z, SWS-160 Z

Glassfibre mesh

ETA-13/0392



g/m²

m²

SWS-145Z

110 cm×50 mb

145 g/m²

55

SWS-160Z

110 cm×50 mb

160 g/m²

55



MORE
ONLINE

FRAME FIXINGS,
UNIVERSAL FIXINGS

PACKAGING

FRAME FIXINGS, UNIVERSAL FIXINGS



PRODUCT NAME / PACKAGING	CARTON BOX	LABELLED PIECE	BLISTER	SMALL / MEDIUM BAGS	MASTER BOX	BUCKET
KPS-FAST K 	KPS-FAST K		BKPS			
KPS-FAST S 	KPS-FAST S		BKPS			
KPR-FAST K 	KPR-FAST K	KPR-FAST K-E	BKPR	W-KPR-FAST K		WI-KPR-FAST K
KPD 	KPD	KPD-E				
KPK 	KPK					
KPR 	KPR					
KPR-PIKE K 	KPR-PIKE-K	KPR-PIKE-K-E		W-KPR-PIKE-K		
KPR-PIKE SK 	KPR-PIKE-SK	KPR-PIKE-SK-E		W-KPR-PIKE-SK		
SFX 	SFX		BSFX		MB-SFX	
SFXC 	SFXC		BSFXC			
SFXK 	SFXK		BSFXK			
SFXL 	SFXL		BSFXL			
SFXO 	SFXO		BSFXO			
SFXP 	SFXP		BSFXP		MB-SFXP	
KPW 	KPW					
RUL 	RUL		BRUL			
KW 	KW					
RU 	RU		BRU		MB-RU	
RUO 	RUO		BRUO			
RUC 	RUC		BRUC			
KPU 	KPU					

MERCHANDISING SOLUTIONS



PIECES, BLISTERS AND CARTON BOXES



BAGS, BIG BAGS AND BUCKETS



MASTER BOX (MB)



MIXED BLISTER AND CARTON BOX SHELVES, MOBILE AND ROTATING, ENHANCED WITH NEW MASTERBOX PACKAGING, BUCKETS, AND BAGS – THIS SET WILL SATISFY THE EXPECTATIONS OF ALL CUSTOMERS, FROM CONTRACTORS AND DIY ENTHUSIASTS TO INDIVIDUAL CUSTOMERS.



CHECK:



FRAME FIXINGS

KPS-FAST K / KPR-FAST K / KPS-FAST S

RELIABLE AND SECURE

FASTENING

ZINC FLAKE COATING

Zinc flake coating offers two times better corrosion resistance compared to standard zinc. The klimas Wkręt-met laboratory has confirmed an excellent quality of the coating by testing in salt spray chamber.

RESISTANCE TO FIRE

(Ø10 in accordance with TR 020)

For assembling facade systems the fastener has a sufficient fire resistance of at least 90 minutes (R90) if the admissible load for a single anchorage ≤ 0.8 kN no permanent centric tension load.



KPR-FAST K

KPS-FAST S



EUROPEAN TECHNICAL ASSESSMENT
ETA-12/0272

KPS-FAST 8 S BKPS WI-KPS-FAST S

Ø8

Frame plug with countersunk head screw



Ø8	KPS-FAST-08060S	8,0×60	6,0×65	50	400
	KPS-FAST-08080S	8,0×80	6,0×85	50	400
	KPS-FAST-08100S	8,0×100	6,0×105	50	400
	KPS-FAST-08120S	8,0×120	6,0×125	50	200
	KPS-FAST-08140S	8,0×140	6,0×145	50	200
Ø8	BKPS-08065(X9)	8,0×60	6,0×70	6	9
	BKPS-08080(X9)	8,0×80	6,0×85	6	9
	BKPS-08100(X9)	8,0×100	6,0×105	5	9
Ø8	WI-KPS-FAST-08080S(150)	8,0×80	6,0×85	150	4
	WI-KPS-FAST-08100S(150)	8,0×100	6,0×105	150	4

KPS-FAST 8 K BKPK WI-KPS-FAST K

Ø8

Frame plug with countersunk head screw



Ø8	KPS-FAST-08060K	8,0×60	6,0×65	50	400
	KPS-FAST-08080K	8,0×80	6,0×85	50	400
	KPS-FAST-08100K	8,0×100	6,0×105	50	400
	KPS-FAST-08120K	8,0×120	6,0×125	50	200
	KPS-FAST-08140K	8,0×140	6,0×145	50	200
Ø8	BKPK-08065	8,0×60	6,0×70	6	9
	BKPK-08080	8,0×80	6,0×85	6	9
	BKPK-08100	8,0×100	6,0×105	5	9
Ø8	WI-KPS-FAST-08080K(150)	8,0×80	6,0×85	150	4
	WI-KPS-FAST-08100K(100)	8,0×100	6,0×105	150	4

KPS-FAST 10 S KPS-FAST 10 S-E BKPS

Ø10

Frame plug with hex & TX head screw



Ø10	KPS-FAST-10060S	10×60	7,0×65	50	200
	KPS-FAST-10080S	10×80	7,0×85	50	200
	KPS-FAST-10100S	10×100	7,0×105	50	200
	KPS-FAST-10120S	10×120	7,0×125	50	200
	KPS-FAST-10140S(25)	10×140	7,0×145	25	100
	KPS-FAST-10160S(25)	10×160	7,0×165	25	100
	KPS-FAST-10180S(25)	10×180	7,0×185	25	100
	KPS-FAST-10200S	10×200	7,0×205	25	100
	KPS-FAST-10230S	10×230	7,0×235	25	100
	KPS-FAST-10260S	10×260	7,0×265	25	100
Ø10	KPS-FAST-10300S	10×300	7,0×305	25	100
	KPS-FAST-10080S-E	10×80	7,0×85	1	200
	KPS-FAST-10100S-E	10×100	7,0×105	1	200
	KPS-FAST-10120S-E	10×120	7,0×125	1	200
	KPS-FAST-10140S-E(25)	10×140	7,0×145	1	100
	KPS-FAST-10160S-E(25)	10×160	7,0×165	1	100
	KPS-FAST-10180S-E(25)	10×180	7,0×185	1	100
	KPS-FAST-10200S-E	10×200	7,0×205	1	100
Ø10	BKPS-10100(X9)	10×100	7,0×105	4	9
	BKPS-10115(X9)	10×115	7,0×120	3	9

Ø10	BKPS-10100(X9)	10×100	7,0×105	4	9
	BKPS-10115(X9)	10×115	7,0×120	3	9

KPS-FAST 12 S-E

Ø12

Frame plug with hex & TX head screw



Ø12	KPS-FAST-12140S-E	12×140	8×145	1	100
	KPS-FAST-12160S-E	12×160	8×165	1	100

-  **KPR-FAST 10 K**
-  **KPR-FAST 10 K-E**
-  **BKPK**
-  **W-KPR-FAST 10 K**
-  **WI-KPR-FAST K**

Ø10

Frame plug with hex & TX head screw



etag
ABCD



					
Ø10	KPR-FAST-10060K	10×60	7,0×65	50	200
	KPR-FAST-10080K	10×80	7,0×85	50	200
	KPR-FAST-10100K	10×100	7,0×105	50	200
	KPR-FAST-10120K	10×120	7,0×125	50	200
	KPR-FAST-10140K(25)	10×140	7,0×145	25	100
	KPR-FAST-10160K(25)	10×160	7,0×165	25	100
	KPR-FAST-10180K	10×180	7,0×185	25	100
	KPR-FAST-10200K	10×200	7,0×205	25	100
	KPR-FAST-10230K	10×230	7,0×235	25	100
	KPR-FAST-10260K	10×260	7,0×265	25	100
	KPR-FAST-10300K	10×300	7,0×305	25	100

					
Ø10	KPR-FAST-10080K-E	10×80	7,0×85	1	200
	KPR-FAST-10100K-E	10×100	7,0×105	1	200
	KPR-FAST-10120K-E	10×120	7,0×125	1	200
	KPR-FAST-10140K-E(25)	10×140	7,0×145	1	100
	KPR-FAST-10160K-E(25)	10×160	7,0×165	1	100
	KPR-FAST-10180K-E	10×180	7,0×185	1	100
	KPR-FAST-10200K-E	10×200	7,0×205	1	100
	KPR-FAST-10230K-E	10×230	7,0×235	1	100
	KPR-FAST-10260K-E	10×260	7,0×265	1	100
	KPR-FAST-10300K-E	10×300	7,0×305	1	100

					
Ø10	BKPK-10100(X9)	10×100	7,0×105	4	9
	BKPK-10115(X9)	10×115	7,0×120	3	9

				
Ø10	W-KPR-FAST-10080K	10×80	7,0×85	10
	W-KPR-FAST-10100K	10×100	7,0×105	6

					
Ø10	WI-KPR-FAST-10080K(100)	8,0×80	6,0×85	100	4
	WI-KPR-FAST-10100K(125)	8,0×100	6,0×105	125	4

-  **KPR-FAST 12 K**
-  **KPR-FAST 12 K-E**
-  **W-KPR-FAST 12 K**

Ø12

Frame plug with hex & TX head screw



etag
ABCD



					
Ø12	KPR-FAST-12080K	12×80	8,0×85	25	200
	KPR-FAST-12100K	12×100	8,0×105	25	200
	KPR-FAST-12120K	12×120	8,0×125	25	100
	KPR-FAST-12140K	12×140	8,0×145	25	100
	KPR-FAST-12160K	12×160	8,0×165	25	100
	KPR-FAST-12180K	12×180	8,0×185	25	100
	KPR-FAST-12200K	12×200	8,0×205	25	100
	KPR-FAST-12230K	12×230	8,0×235	25	100
	KPR-FAST-12260K	12×260	8,0×265	25	100
	KPR-FAST-12300K	12×300	8,0×305	20	80
	KPR-FAST-12330K	12×330	8,0×335	20	80
	KPR-FAST-12360K	12×360	8,0×365	20	80

					
Ø12	KPR-FAST-12080K-E	12×80	8,0×85	1	200
	KPR-FAST-12100K-E	12×100	8,0×105	1	200
	KPR-FAST-12120K-E	12×120	8,0×125	1	100
	KPR-FAST-12140K-E	12×140	8,0×145	1	100
	KPR-FAST-12160K-E	12×160	8,0×165	1	100
	KPR-FAST-12180K-E	12×180	8,0×185	1	100
	KPR-FAST-12200K-E	12×200	8,0×205	1	100
	KPR-FAST-12230K-E	12×230	8,0×235	1	100
	KPR-FAST-12260K-E	12×260	8,0×265	1	100
	KPR-FAST-12300K-E	12×300	8,0×305	1	80
	KPR-FAST-12330K-E	12×330	8,0×335	1	80

				
Ø12	W-KPR-FAST-12100K	12×100	8,0×105	8
	W-KPR-FAST-12120K	12×120	8,0×125	6



KPR-FAST 14 K KPR-FAST 14 K-E

Ø14

Frame plug with hex & TX head screw



Ø14	KPR-FAST-14080K	14×80	10×85	20	160
	KPR-FAST-14100K	14×100	10×105	20	160
	KPR-FAST-14120K	14×120	10×125	20	80
	KPR-FAST-14140K	14×140	10×145	20	80
	KPR-FAST-14160K	14×160	10×165	20	80
	KPR-FAST-14180K	14×180	10×185	20	80
	KPR-FAST-14200K	14×200	10×205	15	60

Ø14	KPR-FAST-14140K-E(20)	14×140	10×145	1	80
	KPR-FAST-14160K-E(20)	14×160	10×165	1	80

KPD KPD-E

Ø10 | 12

Plug with double-threaded screw



Ø10	KPD-10100	10×100	7,0×105	50	400
	KPD-10160	10×160	7,0×165	50	200
	KPD-10200	10×200	7,0×205	25	100
	KPD-12100	12×100	8,0×105	25	300
Ø12	KPD-12160	12×160	8,0×165	25	200
	KPD-12200	12×200	8,0×205	25	100
	KPD-12260	12×260	8,0×265	25	100
	KPD-12300	12×300	8,0×305	25	100

Ø10	KPD-10100-E	10×100	7,0×105	1	400
	KPD-10160-E	10×160	7,0×165	1	200
	KPD-10200-E	10×200	7,0×205	1	100



KPK

Ø12

Frame plug with SW-13 hex head screw



ITB-KOT-2018/0528



Ø12	KPK-12100	12×100	8,0×100	25	200
	KPK-12120	12×120	8,0×120	25	200
	KPK-12140	12×140	8,0×140	25	200
	KPK-12160	12×160	8,0×160	25	200
	KPK-12180	12×180	8,0×180	25	200
	KPK-12200	12×200	8,0×200	25	100

W-KPR

Ø8 | 10 | 12

Frame plug sleeve



Ø8	W-KPR-08065	8,0×60	50
	W-KPR-08080	8,0×80	50
	W-KPR-08100	8,0×100	50
	W-KPR-08120	8,0×120	50
	W-KPR-08140	8,0×140	50



Ø10	W-KPR-10080	10×80	50
	W-KPR-10100	10×100	50
	W-KPR-10120	10×120	50
	W-KPR-10140	10×140	50
	W-KPR-10160	10×160	25
	W-KPR-10180	10×180	25
	W-KPR-10200	10×200	25
	W-KPR-10230	10×230	25



Ø12	W-KPR-12100	12×100	25
	W-KPR-12120	12×120	25
	W-KPR-12140	12×140	25
	W-KPR-12160	12×160	25
	W-KPR-12180	12×180	25
	W-KPR-12200	12×200	25



KPR-PIKE-K
KPR-PIKE-K-E
W-KPR-PIKE-K

Ø8

Frame plug with hex head screw



ITB-KOT-2018/0528



Ø8	KPR-PIKE-08065K	8,0×60	6,0×70	100	800
	KPR-PIKE-08080K	8,0×80	6,0×80	50	600
	KPR-PIKE-08100K	8,0×100	6,0×100	50	600
	KPR-PIKE-08120K	8,0×120	6,0×120	50	400
	KPR-PIKE-08140K	8,0×140	6,0×140	50	400
Ø8	KPR-PIKE-08065K-E	8,0×60	6,0×70	1	800
	KPR-PIKE-08080K-E	8,0×80	6,0×80	1	600
	KPR-PIKE-08100K-E	8,0×100	6,0×100	1	600
	KPR-PIKE-08120K-E	8,0×120	6,0×120	1	400
	KPR-PIKE-08140K-E	8,0×140	6,0×140	1	400
Ø8	W-KPR-PIKE-08080K	8,0×80	6,0×80	10	
	W-KPR-PIKE-08100K	8,0×100	6,0×100	8	

KPR-PIKE-SK
KPR-PIKE-K-E
W-KPR-PIKE-SK

Ø8

Frameplug with countersunk head screw PZ



ITB-KOT-2018/0528



Ø8	KPR-PIKE-08065SK	8,0×60	6,0×70	100	800
	KPR-PIKE-08080SK	8,0×80	6,0×80	50	600
	KPR-PIKE-08100SK	8,0×100	6,0×100	50	600
	KPR-PIKE-08120SK	8,0×120	6,0×120	50	400
	KPR-PIKE-08140SK	8,0×140	6,0×140	50	400
Ø8	KPR-PIKE-08065SK-E	8,0×60	6,0×70	1	800
	KPR-PIKE-08080SK-E	8,0×80	6,0×80	1	600
	KPR-PIKE-08100SK-E	8,0×100	6,0×100	1	600
	KPR-PIKE-08120SK-E	8,0×120	6,0×120	1	400
	KPR-PIKE-08140SK-E	8,0×140	6,0×140	1	400
Ø8	W-KPR-PIKE-08065SK	8,0×60	6,0×70	25	
	W-KPR-PIKE-08080SK	8,0×80	6,0×80	10	



UNIVERSAL FASTENING FOR ALL SUBSTRATE TYPES

SFXP / SFXK

INNOVATIVE SLEEVE DESIGN

Anti-rotation lugs keep the sleeve in place while screwing in the screw and increase expansion force in the substrate. Unique sleeve design is suitable for all substrate types, what makes this fixing solution very universal.

SECURE FASTENING

Unique design of the sleeve guarantees activation of „knotting” function in perforated substrates with voids thus increasing pressing of the sleeve against the wall of the drilled hole.

FAST AND EASY INSTALLATION

Inner shape design of sleeve reduces the possibility of a screw being incorrectly driven inside the sleeve and thus eliminate weak expansion as the screw is guided centrally towards the end of sleeve.



SFX BSFX MB-SFX

Ø5 | 6 | 8 | 10

Universal plug



Ø5	SFX-05025	5,0×25	400	6400
Ø6	SFX-06030	6,0×30	200	3200
Ø8	SFX-08040	8,0×40	200	2400
Ø10	SFX-10050	10×50	100	1200
	SFX-10060	10×60	100	1200
Ø5	BSFX-05025(X10)	5,0×25	35	10
Ø6	BSFX-06030(X10)	6,0×30	35	10
Ø8	BSFX-08040(X10)	8,0×40	14	10
Ø10	BSFX-10050(X10)	10×50	10	10
	BSFX-10060(X10)	10×60	10	10
Ø5	MB-SFX-05025(500)(X6)	5,0×25	500	6
Ø6	MB-SFX-06030(300)(X6)	6,0×30	300	6
Ø8	MB-SFX-08040(100)(X6)	8,0×40	100	6
Ø10	MB-SFX-10050(70)(X6)	10×50	70	6
	MB-SFX-10060(70)(X6)	10×60	70	6

SFXC BSFXC W-SFXC

Ø6 | 8

Universal plug with round hook



ITB-KOT-2021/1847



Ø6	SFXC-06030065	6,0×30	3,5×65	50
Ø8	SFXC-08040083	8,0×40	4,5×83	25
Ø6	BSFXC-06030065(X10)	6,0×30	3,5×65	6
Ø8	BSFXC-08040083(X10)	8,0×40	4,5×83	4
Ø8	W-SFXC-08040083-CL	8,0×40	4,5×83	4

SFXK BSFXK

Ø 10

Universal plug with PZ-2/PZ-3 countersunk head screw



ITB-KOT-2021/1847



Ø10	SFXK-10050060	10×50	6,0×60	25
	SFXK-10050070	10×50	6,0×70	25
	SFXK-10060070	10×60	6,0×70	25
	SFXK-10060080	10×60	6,0×80	25
Ø10	BSFXK-10050060(X10)	10×50	6,0×60	4
	BSFXK-10050070(X10)	10×50	6,0×70	4
	BSFXK-10060070(X10)	10×60	6,0×70	4
	BSFXK-10060080(X10)	10×60	6,0×80	4



SFXL
BSFXL
SFXLC0

Ø 6 | 8

Universal plug with straight hook



ITB-KOT-2021/1847



Ø 6	SFXL-06030048	6,0×30	3,5×48	50	1600
Ø 8	SFXL-08040065	8,0×40	4,5×65	25	800

Ø 6	BSFXL-06030048(X10)	6,0×30	3,5×48	6	10
Ø 8	BSFXL-08040065(X10)	8,0×40	4,5×65	4	10

Ø 6	SFXLC0-MIX-02	6,0×30	3,5×48 / 3,5×65 / 3,5×64	16/8/4	10

SFX0
BSFX0
W-SFX0

Ø 6 | 8

Universal plug with eye-bolt



ITB-KOT-2021/1847



Ø 6	SFX0-06030064	6,0×30	3,5×64	50	1600
Ø 8	SFX0-08040085	8,0×40	4,5×85	25	800

Ø 6	BSFX0-06030064(X10)	6,0×30	3,5×64	6	10
Ø 8	BSFX0-08040085(X10)	8,0×40	4,5×85	4	10

Ø 6	W-SFX0-06030064-CL	6,0×30	[4×] 3,5×64	4	45



SFXP
BSFXP
MB-SFXP
W-SFXP

Ø5 | 6 | 8 | 10

Universal plug Ø10 with hex head screw



ITB-KOT-2021/1847



Ø5	SFXP-05025035	5,0×25	3,5×35	200	3200
	SFXP-05025045	5,0×25	3,5×45	200	3200
Ø6	SFXP-06030040	6,0×30	4,0×40	100	1600
	SFXP-06030050	6,0×30	4,0×50	100	1600
Ø8	SFXP-08040050	8,0×40	5,0×50	100	1200
	SFXP-08040060	8,0×40	5,0×60	100	1200
Ø10	SFXP-10050060	10×50	6,0×60	25	400
	SFXP-10050070	10×50	6,0×70	50	600
	SFXP-10060070	10×60	6,0×70	25	400
	SFXP-10060080	10×60	6,0×80	50	600

Ø5	BSFXP-05025035(X10)	5,0×25	3,5×35	14	10
	BSFXP-05025045(X10)	5,0×25	3,5×45	14	10
Ø6	BSFXP-06030040(X10)	6,0×30	4,0×40	14	10
	BSFXP-06030050(X10)	6,0×30	4,0×50	12	10
Ø8	BSFXP-08040050(X10)	8,0×40	5,0×50	8	10
	BSFXP-08040060(X10)	8,0×40	5,0×60	8	10
Ø10	BSFXP-10050060(X10)	10×50	6,0×60	4	10
	BSFXP-10050070(X10)	10×50	6,0×70	4	10
	BSFXP-10060070(X10)	10×60	6,0×70	4	10
	BSFXP-10060080(X10)	10×60	6,0×80	4	10

Ø6	MB-SFXP-06030050(60)	6,0×30	4,0×40	100	6
	MB-SFXP-08040050(50)	6,0×30	4,0×50	60	6
Ø8	MB-SFXP-08040060(50)	8,0×40	5,0×50	50	6
	MB-SFXP-10050060(25)	8,0×40	5,0×60	50	6
Ø10	MB-SFXP-10060080(25)	10×50	6,0×60	25	6

Ø5-6	SFXP-MIX-01	5×25/6×30/6×30	3,5×35/3×40/5×50	16/8/4	6
Ø6	W-SFXP-06030040(200)	6,0×30	4,0×40	200	8
	W-SFXP-06030040(400)	6,0×30	4,0×40	400	14
	W-SFXP-08040050(100)	8,0×40	5,0×50	100	8
Ø8	W-SFXP-08040050-CL	8,0×40	5,0×50	8	30
	W-SFXP-08040060-CL	8,0×40	5,0×60	8	30
Ø10	W-SFXP-10050060(100)	10×50	6,0×70	100	5
	W-SFXP-10060070(100)	10×60	6,0×70	100	6



KW
BKW
W-KW
MB-KW

Ø6 | 8 | 10

Multi-purpose plug with hardened wood screw, PZ-2/PZ-3



Ø6	KW-06045	6,0×35	3,5×45	100	1600
	KW-06060	6,0×50	3,5×60	100	1600
Ø8	KW-08060	8,0×50	4,5×60	100	1200
	KW-08080	8,0×50	4,5×80	100	1200
Ø10	KW-10080	10×60	6,0×80	100	400
	KW-10100	10×60	6,0×100	100	400

Ø6	BKW-06045(X10)	6,0×35	3,5×45	14	10
	BKW-06060(X10)	6,0×50	3,5×60	12	10
Ø8	BKW-08060(X10)	8,0×50	4,5×60	8	10
Ø10	BKW-10080(X10)	8,0×50	4,5×80	4	10

Ø6	W-KW-06045	6,0×35	3,5×45	80	18
	W-KW-06060	6,0×50	3,5×60	40	22
Ø8	W-KW-08060	8,0×50	4,5×60	25	18

Ø6	MB-KW-06060(40)	6,0×50	3,5×60	40	6
Ø8	MB-KW-08060(50)	8,0×50	4,5×60	50	6
	MB-KW-08080(50)	8,0×50	4,5×80	50	6
Ø10	MB-KW-10080(50)	8,0×50	4,5×80	50	6

RUL
BRUL

Ø6 | 8

Universal plug with straight hook



Ø6	RUL-06048	6,0×35	3,5×48	50	1600
Ø8	RUL-08065	8,0×50	4,5×65	25	400

Ø6	BRUL-06048(X10)	6,0×35	3,5×48	6	10
Ø8	BRUL-08065(X10)	8,0×50	4,5×65	4	10

KPW

Ø 6 | 8 | 10

Universal plug



Ø 6	KPW-06035	6,0×35	500	4000
	KPW-06050	6,0×50	500	2000
Ø 8	KPW-08050	8,0×50	300	1200
Ø 10	KPW-10060	10×60	200	800

- RU
- BRU
- MB-RU
- W-RU

Ø 6 | 8 | 10

Universal plug with hardened wood screw, PZ-2/PZ-3



Ø 6	RU-06045	6,0×35	3,5×45	100
	RU-06060	6,0×35	3,5×60	100
	RU-08060	8,0×50	4,5×60	100
Ø 8	RU-08080	8,0×50	4,5×80	100
Ø 10	RU-10080	10×60	6,0×80	100
	RU-10100	10×60	6,0×100	100

Ø 6	BRU-06045(X10)	6,0×35	3,5×45	14
	BRU-06060(X10)	6,0×35	3,5×60	12
Ø 8	BRU-08060(X10)	8,0×50	4,5×60	8
Ø 10	BRU-10080(X10)	10×60	6,0×80	4

Ø 8	MB-RU-08060(50)	8,0×50	4,5×60	50
	MB-RU-08080(50)	8,0×50	4,5×80	50

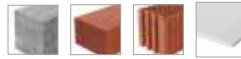
Ø 6	W-RU-06045	6,0×35	3,5×45	50
Ø 8	W-RU-08060	8,0×50	4,5×60	25

RUO

BRUO

Ø 6 | 8

Universal plug with eye hook



Ø 6	RUO-06064	6,0×35	3,5×64	50
Ø 8	RUO-08084	8,0×50	4,5×84	25

Ø 6	BRUO-06064(X10)	6,0×35	3,5×64	6
Ø 8	BRUO-08084(X10)	8,0×50	4,5×84	4

RUC

BRUC

Ø 6 | 8

Universal plug with round hook



Ø 6	RUC-06065	6,0×35	3,5×65	50
Ø 8	RUC-08083	8,0×50	4,5×83	25

Ø 6	BRUC-06065(X10)	6,0×35	3,5×65	6
Ø 8	BRUC-08084(X10)	8,0×50	4,5×83	4

KPU

Ø 6 | 8 | 10

Universal plug

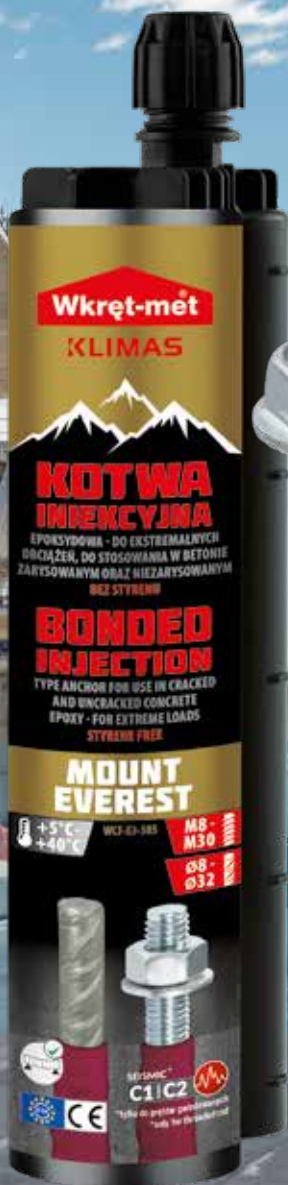


Ø 6	KPU-06035	6,0×35	500	4000
Ø 8	KPU-08050	8,0×50	300	1200
Ø 10	KPU-10060	10×60	200	800



MORE
ONLINE

MECHANICAL ANCHORS
CONCRETE SCREWS
CHEMICAL ANCHORS



Wkręt-met
KLIMAS

WEDGE ANCHORS

for normal weight cracked or uncracked concrete, reinforced or unreinforced of strength class from C20/25 to C50/60

LE-ZNA4 / LE-DA4 / LE-A4

Uncracked concrete C20/25 - C50/60
LE-ZN

NEW IMPROVED FLEXIBLE EDGE & SPACING VALUES

LE anchors have been designed and tested for most demanding applications, where very low edge distances and spacing are required.

The innovative design of anchor's wedge and cone enable installation in a concrete base material while maintaining the minimum edge distances from $C_{min} = 40$ mm for an anchor with a diameter of M8 or $C_{min} = 45$ mm for an anchor with a diameter of M10.

In our Klimas Design Fix software, which can be downloaded free of charge, you can quickly and easily determine all the necessary parameters for the correct design of the fastening in accordance with Eurocode 2 - EN:1992-4:2018.

ANTI-CORROSION PROTECTION

Galvanized steel - Guarantees high degree of anti-corrosion protection

SQ Ceramic - Special anti-scratch multi-layer aluminum-zinc lamellar coating allows the use of the anchors in environments with higher corrosivity classification.

Stainless Steel A4 - Highest level of anti-corrosion protection.

RESISTANCE UNDER FIRE EXPOSURE **R30 - R120**

Anchor's characteristics regarding resistance to load under fire exposure influence the safety of anchorages during a fire. Value of resistance to load under fire exposure determined for particular fire duration from R30 to R120 allows to design optimal fastenings for each type of applications complying with required fire resistance class.



LE-ZN LE-ZN-E B-LE-ZN

M8 | 10 | 12 | 16

Wedge anchors (Galvanized steel)

Application:
Uncracked concrete C20/25-C50/60



ETA 20/0640



LE-ZNA4

M8 | 10 | 12 | 16

Wedge anchors (Galvanized + Stainless steel A4)

Application:
Uncracked and cracked concrete
C20/25-C50/60



ETA 20/0641



M8	LE-ZN-08060(X100)	8×60	100
	LE-ZN-08075(X100)	8×75	100
	LE-ZN-08095(X50)	8×95	50
	LE-ZN-08115(X50)	8×115	50
	LE-ZN-08135(X50)	8×135	50
	LE-ZN-08155(X50)	8×155	50
M10	LE-ZN-10085(X50)	10×85	50
	LE-ZN-10095(X50)	10×95	50
	LE-ZN-10105(X25)	10×105	25
	LE-ZN-10115(X25)	10×115	25
	LE-ZN-10135(X25)	10×135	25
	LE-ZN-10155(X25)	10×155	25
M12	LE-ZN-12085(X40)	12×85	40
	LE-ZN-12095(X50)	12×95	50
	LE-ZN-12105(X50)	12×105	50
	LE-ZN-12115(X40)	12×115	40
	LE-ZN-12125(X25)	12×125	25
	LE-ZN-12145(X25)	12×145	25
M16	LE-ZN-16105(X25)	16×105	25
	LE-ZN-16115(X25)	16×115	25
	LE-ZN-16125(X25)	16×125	25
	LE-ZN-16145(X20)	16×145	20
	LE-ZN-16165(X15)	16×165	15

M8	LE-ZN-08075(25)-E	8×75	1
	LE-ZN-08095(25)-E	8×95	1
M10	LE-ZN-10095(25)-E	10×95	1
	LE-ZN-10105(25)-E	10×105	1
M12	LE-ZN-12105(25)-E	12×105	1
	LE-ZN-12115(25)-E	12×115	1
M16	LE-ZN-16125(25)-E	16×125	1
	LE-ZN-16115(15)-E	16×115	1

M8	B-LE-ZN-08075(X9)	8×75	4
	B-LE-ZN-08095(X9)	8×95	4
M10	B-LE-ZN-10095(X9)	10×95	4
	B-LE-ZN-10105(X5)	10×105	4
M12	B-LE-ZN-12105(X5)	12×105	4

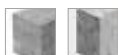
M8	LE-ZNA4-08060(X100)	8×60	100
	LE-ZNA4-08075(X100)	8×75	100
	LE-ZNA4-08095(X50)	8×95	50
	LE-ZNA4-08115(X50)	8×115	50
	LE-ZNA4-08135(X50)	8×135	50
	LE-ZNA4-08155(X50)	8×155	50
M10	LE-ZNA4-10085(X50)	10×85	50
	LE-ZNA4-10095(X50)	10×95	50
	LE-ZNA4-10105(X25)	10×105	25
	LE-ZNA4-10115(X25)	10×115	25
	LE-ZNA4-10135(X25)	10×135	25
	LE-ZNA4-10155(X25)	10×155	25
M12	LE-ZNA4-12085(X40)	12×85	40
	LE-ZNA4-12095(X50)	12×95	50
	LE-ZNA4-12105(X50)	12×105	50
	LE-ZNA4-12115(X40)	12×115	40
	LE-ZNA4-12125(X25)	12×125	25
	LE-ZNA4-12145(X25)	12×145	25
M16	LE-ZNA4-16105(X25)	16×105	25
	LE-ZNA4-16115(X25)	16×115	25
	LE-ZNA4-16125(X25)	16×125	25
	LE-ZNA4-16145(X20)	16×145	20
	LE-ZNA4-16165(X15)	16×165	15



LE-DA4

M8 | 10 | 12 | 16

Wedge anchors (SQ Ceramic + Stainless steel A4)



Application:
Uncracked and cracked concrete
C20/25-C50/60



LE-A4

LE-A4-E

M8 | 10 | 12 | 16

Wedge anchors (Stainless steel A4)



Application:
Uncracked and cracked concrete
C20/25-C50/60



M8	LE-DA4-08060(X100)*	8×60	100
	LE-DA4-08075(X100)*	8×75	100
	LE-DA4-08095(X50)*	8×95	50
	LE-DA4-08115(X50)*	8×115	50
	LE-DA4-08135(X50)*	8×135	50
M10	LE-DA4-08155(X50)*	8×155	50
	LE-DA4-10085(X50)*	10×85	50
	LE-DA4-10095(X50)*	10×95	50
	LE-DA4-10105(X25)*	10×105	25
	LE-DA4-10115(X25)*	10×115	25
M12	LE-DA4-10135(X25)*	10×135	25
	LE-DA4-10155(X25)*	10×155	25
	LE-DA4-12085(X40)*	12×85	40
	LE-DA4-12095(X50)*	12×95	50
	LE-DA4-12105(X50)*	12×105	50
M16	LE-DA4-12115(X40)*	12×115	40
	LE-DA4-12125(X25)*	12×125	25
	LE-DA4-12145(X25)*	12×145	25
	LE-DA4-12165(X25)*	12×165	25
	LE-DA4-16105(X25)*	16×105	25
M16	LE-DA4-16115(X25)*	16×115	25
	LE-DA4-16125(X25)*	16×125	25
	LE-DA4-16145(X20)*	16×145	20
	LE-DA4-16165(X15)*	16×165	15

* on request

M8	LE-A4-08060(X100)	8×60	100
	LE-A4-08075(X100)	8×75	100
	LE-A4-08095(X50)	8×95	50
	LE-A4-08115(X50)	8×115	50
	LE-A4-08135(X50)	8×135	50
M10	LE-A4-08155(X50)	8×155	50
	LE-A4-10085(X50)	10×85	50
	LE-A4-10095(X50)	10×95	50
	LE-A4-10105(X25)	10×105	25
	LE-A4-10115(X25)	10×115	25
M12	LE-A4-10135(X25)	10×135	25
	LE-A4-10155(X25)	10×155	25
	LE-A4-12085(X40)	12×85	40
	LE-A4-12095(X50)	12×95	50
	LE-A4-12105(X50)	12×105	50
M16	LE-A4-12115(X40)	12×115	40
	LE-A4-12125(X25)	12×125	25
	LE-A4-12145(X25)	12×145	25
	LE-A4-12165(X25)	12×165	25
	LE-A4-16105(X25)	16×105	25
M16	LE-A4-16115(X25)	16×115	25
	LE-A4-16125(X25)	16×125	25
	LE-A4-16145(X20)	16×145	20
	LE-A4-16165(X15)	16×165	15



LE-A4 - Wedge anchors (Stainless steel A4) + Clip (Stainless steel A4)

M10	LE-A4-10095(25)-E	100×95	1
M12	LE-A4-10115(25)-E	10×115	1
M12	LE-A4-12115(25)-E	12×115	1



LE-A4 - Wedge anchors (Stainless steel A4) + Clip (Stainless steel A4)



LTP



LTP-E

Ø10 | 12 | 14 | 16 | 20

Double sleeve anchor



Ø10	LTP-10100(X20)	10×100	20	240
	LTP-10150(X20)	10×150	20	200
	LTP-12100(X40)	12×100	40	240
	LTP-12120(X30)	12×120	30	180
Ø12	LTP-12150(X30)	12×150	30	180
	LTP-12180(X20)	12×180	20	120
	LTP-12200(X15)	12×200	15	90
	LTP-12250(X10)	12×250	10	100
	LTP-12330(X15)	12×330	15	30
Ø14	LTP-14100(X25)	14×100	25	100
	LTP-14180(X15)	14×180	15	90
	LTP-14200(X8)	14×200	8	48
	LTP-14250(X6)	14×250	6	36
	LTP-14330(X10)	14×330	10	20
Ø16	LTP-16120(X20)	16×120	20	80
	LTP-16200(X8)	16×200	8	48
	LTP-16250(X5)	16×250	5	30
	LTP-16330(X10)	16×330	10	20
Ø20	LTP-20180(X8)	20×180	8	32
	LTP-20200(X10)	20×200	10	20
	LTP-20250(X10)	20×250	10	20
Ø10	LTP-10100(20)-E	10×100	1	240
	LTP-10150(20)-E	10×150	1	200
	LTP-12100(40)-E	12×100	1	240
Ø12	LTP-12120(30)-E	12×120	1	180
	LTP-12150(30)-E	12×150	1	180
	LTP-12180(20)-E	12×180	1	120
	LTP-12200(15)-E	12×200	1	90



LM

Ø12 | 14

Single sleeve steel machine anchor



Ø12	LM-12080(X40)	12×80	40	160
Ø14	LM-14080(X25)	14×80	25	160



LSI



LSI-E

Ø8 | 10 | 12 | 16

Single sleeve steel anchor with flange nut



Ø8	LSI-08040(X100)	8,0×40	100	400
	LSI-08065(X50)	8,0×65	50	300
	LSI-08085(X50)	8,0×85	50	300
	LSI-10050(X50)	10×50	50	300
Ø10	LSI-10060(X50)	10×60	50	300
	LSI-10077(X50)	10×77	50	300
	LSI-10097(X25)	10×97	25	200
Ø12	LSI-12060(X25)	12×60	25	200
	LSI-12075(X25)	12×75	25	200
	LSI-12100(X20)	12×100	20	160
	LSI-12129(X20)	12×129	20	160
Ø16	LSI-16111(X10)	16×111	10	60
	LSI-16147(X10)	16×147	10	80
Ø8	LSI-08085(50)-E	8,0×85	1	300
Ø10	LSI-10077(50)-E	8,0×85	1	300
	LSI-10097(25)-E	10×97	1	200
Ø12	LSI-12060(25)-E	12×60	1	200
	LSI-12075(25)-E	12×75	1	200
	LSI-12100(20)-E	12×100	1	160
	LSI-12129(20)-E	12×129	1	160
Ø16	LSI-16111(10)-E	16×111	1	60
	LSI-16147(10)-E	16×147	1	80



LHP

Ø10 | 12

Sleeve anchor with straight hook



Ø10	LHP-10090(X20)	10×90	20	180
Ø12	LHP-12120(X25)	12×120	25	150

LHS

Ø8 | 10 | 12

Sleeve anchor with round hook



Ø8	LHS-08085(X25)	8x85	25	200
Ø10	LHS-10115(X30)	10x115	30	180
Ø12	LHS-12130(X15)	12x130	15	90

LHO

Ø12 | 14

Sleeve anchor with eye bolt



Ø12	LHO-12140(X15)	12x140	15	90
Ø14	LHO-14195(X20)	14x195	20	40

LHH

Ø12

Sleeve anchor with pig tail hook



Ø12	LHH-12140(X15)	12x140	15	90

KRM

BKRM

M6 | 8 | 10 | 12

Brass drop-in anchor



M6	KRM-080624	M6 / 8x24	50	2500
M8	KRM-100831	M8 / 10x31	50	2500
M10	KRM-121034	M10 / 12x34	50	1000
M12	KRM-161241	M12 / 16x41	20	1000

M6	BKRM-080624	M6 / 8x24	8	80
M8	BKRM-100831	M8 / 10x31	6	60

TSW

M6 | 8 | 10 | 12 | 16 | 20

Steel drop-in anchor



Zastosowanie:
Beton zarysowany i niezarysowany



M6	TSW-06	M6 / 8,0x25	100	2000
M8	TSW-08	M8 / 10x30	100	1600
M10	TSW-10	M10 / 12x40	50	1000
M12	TSW-12	M12 / 15x50	50	400
M16	TSW-16	M16 / 20x65	25	200
M20	TSW-20	M20 / 25x80	10	80

OTSW

M6 | 8 | 10 | 12 | 16 | 20

Drop-in anchor setting tool



M6	OTSW-06*	TSW-06	1	60
M8	OTSW-08*	TSW-08	1	60
M10	OTSW-10*	TSW-10	1	60
M12	OTSW-12*	TSW-12	1	60
M16	OTSW-16*	TSW-16	1	60
M20	OTSW-20*	TSW-20	1	60

*on request

SMM BSMM

Ø 6

Metal hammer drive anchor



Ø 6	SMM-06040	6,0×40	3,8×50	100	1600
	SMM-06050	6,0×50	3,8×60	100	1200
	SMM-06065	6,0×65	3,8×75	100	800

Ø 6	BSMM-06040(X10)	6,0×40	3,8×50	10	10
	BSMM-06050(X10)	6,0×50	3,8×60	8	10
	BSMM-06065(X9)	6,0×65	3,8×75	6	9

KMG BKMG

Ø 5 | 6 | 8 | 10

Hammer-in anchor for AAC substrates



Ø 5	KMG-05	5,0×30	4,5	200	6400
Ø 6	KMG-06	6,0×32	4,5 - 5,0	200	3200
Ø 8	KMG-08	8,0×36	5,0 - 6,0	100	1600
	KMG-08-D	8,0×60	5,0 - 6,0	50	800
Ø 10	KMG-10	10×60	6,0 - 8,0	50	800

Ø 5	BKMG-05(X10)	5,0×30	4,5	10	10
Ø 6	BKMG-06(X10)	6,0×32	4,5 - 5,0	10	10
Ø 8	BKMG-08(X10)	8,0×36	5,0 - 6,0	7	10
	BKMG-08-D(X10)	8,0×60	5,0 - 6,0	4	10
Ø 10	BKMG-10(X10)	10×60	6,0 - 8,0	4	10

KRW BKRW

Ø 6

Hammer-in expanding metal anchor



Ø 6	KRW-06035	6,0×35	100	1600	
	KRW-06065	6,0×65	100	1200	

Ø 6	BKRW-06035(X10)	6,0×35	5	10	
	BKRW-06065(X10)	6,0×65	3	10	



METAL ANCHORS

Screws and fasteners for installation
of windows and doors

WHO / WHOW

QUICK INSTALLATION

Screws for installation of windows and doors facilitate fastenings and enable efficient series fixings. Compared to expansion type of fasteners, the installation time is reduced.

NO TENSILE STRESS GENERATED DURING INSTALLATION

Screws enable to secure the frame to the supporting wall without generating tensile force causing the frame to be pulled against the substrate.

FULL THREAD

Guarantees to maintain secure and reliable fastening while keeping also appropriate distance between the frame and the substrate.

NOTCH ON THREAD

Special notch on thread reduces screwing resistance while setting.

WHO

WHOW





WHO



WHO-E

ø7,5

Frame screw with flat head



ø7,5	WHOW-75042	7,5×42	200	2400
	WHOW-75062	7,5×62	200	2400
	WHOW-75082	7,5×82	100	1200
	WHOW-75102	7,5×102	100	1200
	WHOW-75112	7,5×112	100	1200
	WHOW-75132	7,5×132	100	800
	WHOW-75152	7,5×152	100	800
	WHOW-75182	7,5×182	100	800
	WHOW-75212	7,5×212	100	400

ø7,5	WHOW-75112-E	7,5×112	1	1200
	WHOW-75132-E	7,5×132	1	800
	WHOW-75152-E	7,5×152	1	800
	WHOW-75182-E	7,5×182	1	800



WHOW

ø7,5

Frame screw with cylindrical head



ø7,5	WHOW-75042	7,5×42	200	2400
	WHOW-75062	7,5×62	200	2400
	WHOW-75082	7,5×82	100	1200
	WHOW-75102	7,5×102	100	1200
	WHOW-75112	7,5×112	100	1200
	WHOW-75132	7,5×132	100	800
	WHOW-75152	7,5×152	100	800
	WHOW-75182	7,5×182	100	800
	WHOW-75212	7,5×212	100	400



LO



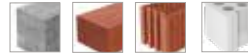
BLO



LO-E

ø10

Metal frame anchor



					
Ø10	LO-10072	10×72	6,0×87	100	600
	LO-10092	10×92	6,0×107	100	600
	LO-10112	10×112	6,0×127	100	600
	LO-10132	10×132	6,0×147	100	400
	LO-10152	10×152	6,0×167	100	400
	LO-10182	10×182	6,0×197	50	300
	LO-10202	10×202	6,0×217	50	200

ø10	LO-10072-E	10×72	6,0×87	1	600
	LO-10092-E	10×92	6,0×107	1	600
	LO-10112-E	10×112	6,0×127	1	600
	LO-10132-E	10×132	6,0×147	1	400
	LO-10152-E	10×152	6,0×167	1	400
	LO-10182-E	10×182	6,0×197	1	300
	LO-10202-E	10×202	6,0×217	1	200

ø10	BLO-10072(X9)	10×72	6,0×87	5	9
	BLO-10092(X9)	10×92	6,0×107	5	9
	BLO-10112(X9)	10×112	6,0×127	4	9



ZB

ø16

Caps for metal frame fixings



ø16	ZB-BI		16	100
	ZB-BR		16	100
	ZB-CZ		16	100
	ZB-SZ		16	100

CONCRETE SCREWS

WDBL / WDBG

SIMPLE AND QUICK INSTALLATION

- Installation by screwing into a pre-drilled cylindrical hole in concrete
- The special thread of concrete screw cuts an internal thread into the concrete member while setting
- Immediate loading capacity

FIRE RESISTANCE:

- R30,
- R60,
- R90,
- R120.

LOW EXPANSION STRESSES

Concrete screws generate much less expanding forces during installation and load is distributed across a larger area of entire length of the anchor. This feature enable even closer edge and spacing distances.



Obciążenia statyczne

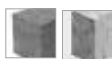


EUROPEAN
TECHNICAL ASSESSMENT

WDBLS

6 | 8 | 10 | 12

Concrete screw with hex washer head



ETA-20/0769: WDBLS 06, WDBLS 08
ETA-20/0768: WDBLS 08, WDBLS 10, WDBLS 12



Application:
Uncracked and cracked concrete



		Hole diameter (mm)		
Ø 6	WDBLS-06040*	6	7,5×40	100
	WDBLS-06060	6	7,5×60	100
	WDBLS-06080	6	7,5×80	100
	WDBLS-06100** NEW	6	7,5×100	100
Ø 8	WDBLS-08050*	8	9,9×50	50
	WDBLS-08060*	8	9,9×60	50
	WDBLS-08070	8	9,9×70	50
	WDBLS-08080	8	9,9×80	50
Ø 8	WDBLS-08100** NEW	8	9,9×100	50
	WDBLS-08130** NEW	8	9,9×130	50
	WDBLS-08150** NEW	8	9,9×150	50
Ø 10	WDBLS-10060*	10	12,5×60	50
	WDBLS-10070*	10	12,5×70	50
	WDBLS-10080	10	12,5×80	50
	WDBLS-10090	10	12,5×90	50
	WDBLS-10100	10	12,5×100	50
	WDBLS-10110	10	12,5×110	50
	WDBLS-10120	10	12,5×120	50
	WDBLS-10130	10	12,5×130	50
Ø 12	WDBLS-10140	10	12,5×140	50
	WDBLS-12100** NEW	12	14,3×100	20
	WDBLS-12110** NEW	12	14,3×110	20
	WDBLS-12130** NEW	12	14,3×130	20
	WDBLS-12150** NEW	12	14,3×150	20

* not covered by ETA

** new products availability - please contact with sales representative

WDBLP

6 | 8 | 10

Concrete screw with countersunk head, TX



ETA-20/0769: WDBLS 06, WDBLS 08
ETA-20/0768: WDBLP 08, WDBLP 10



Application:
Uncracked and cracked concrete



		Hole diameter (mm)		
Ø 6	WDBLP-06060*	6	7,5×60	100
	WDBLP-06080	6	7,5×80	100
	WDBLP-06100	6	7,5×100	100
	WDBLP-06120	6	7,5×120	100
Ø 8	WDBLP-08080	8	9,9×80	50
	WDBLP-08100** NEW	8	9,9×100	50
	WDBLP-08130** NEW	8	9,9×130	50
	WDBLP-08150	8	9,9×150	50
Ø 10	WDBLP-10090	10	12,5×90	50
	WDBLP-10110	10	12,5×110	50
	WDBLP-10130** NEW	10	12,5×130	50
	WDBLP-10150	10	12,5×150	50

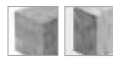
* not covered by ETA

** new products availability - please contact with sales representative

WDBLG

Ø 6

Concrete screw with pan head, TX



Application:
Uncracked and cracked concrete

ETA-20/0769



		Hole diameter (mm)		
Ø 6	WDBLG-06040*	6	7,5×40	100
	WDBLG-06060	6	7,5×60	100
	WDBLG-06080	6	7,5×80	100

* not covered by ETA

WDBGZ

Ø 6

Concrete screw with external metric thread



Application:
Cracked concrete



		Hole diameter (mm)		
Ø 6	WDBGZ-06035	6	7,5×35	100
	WDBGZ-06055	6	7,5×55	100

WDBGW

Ø 6

Concrete screw with internal metric thread



Application:
Uncracked and cracked concrete

ETA-20/0769



		Hole diameter (mm)		
Ø 6	WDBGW-06035*	6	7,5×35	100
	WDBGW-06057	6	7,5×57	100

* not covered by ETA

Pure epoxy injection anchor FOR EXTREME LOADS

WCF-E3-585 - MOUNT EVEREST

C1/C2

SEISMIC APPROVAL

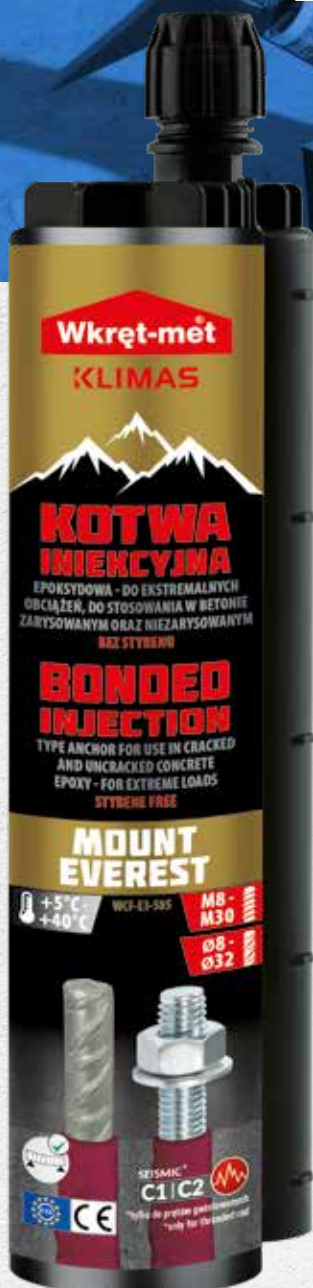
Anchors have been tested for seismic loads, and thus are approved for use in applications in seismically active areas. Seismic approval allows to design reliable fastenings with increased level of safety.

INSTALLATION IN **CRACKED** CONCRETE

Approved for fastening threaded rods and rebars in tension zone of reinforced concrete member. Tension zone, also called cracked zone might occur in all main structural concrete members e.g. beams, slabs, columns.

HIGH LOAD-BEARING PARAMETERS

It is ideally suited for highest load/heavy duty structural anchoring. Offer highest performance for most demanding applications.



ETA 17/0234 z 15/05/2024 - for concrete substrates ASSUMED WORKING LIFE IS 50 YEARS

ETA 15/0681 z dnia 03/05/2022 - for post-installed rebar connections
ASSUMED WORKING LIFE IS 50 and 100 YEARS

50 i 100 LAT
OKRES UŻYTKOWANIA



NEW



BADANIA SEISMICZNE C1/C2



WCF-EASF (MAKALU)

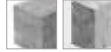
Epoxy Acrylate injection anchors



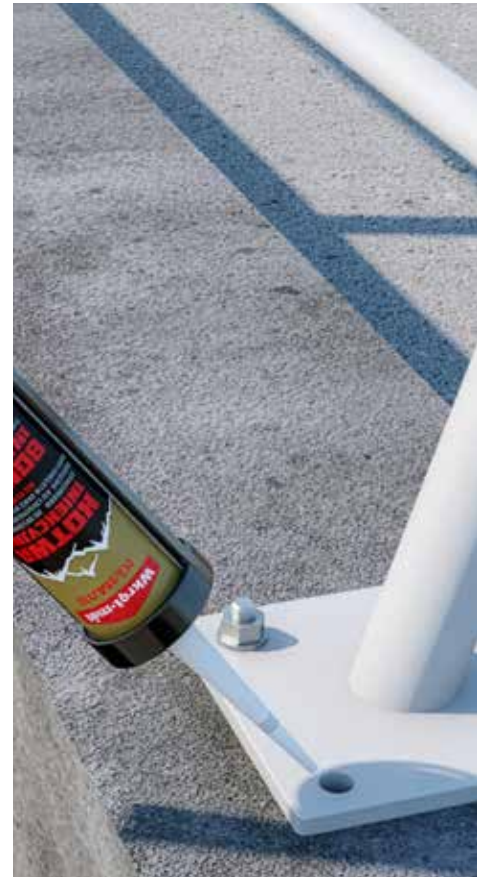
Epoxy Acrylate two-component (10:1 ratio) is universal bonded anchoring system approved for use in cracked & uncracked concrete in anchorages subject to static and quasi-static load and seismic actions in category C1, and also in masonry. For professional use in heavy and medium duty applications.

WCF-E3 (MOUNT EVEREST)

Epoxy injection anchor



Pure epoxy two-component 3:1 ratio bonded injection anchor. For professional use in highest load/heavy duty structural anchoring. Offer highest performance for most demanding applications.



	[° C]		
WCF-EASF-410	-10 ÷ +30	410 ml	12
WCF-EASF-C-410*	-20 ÷ +20	410 ml	12
WCF-EASF-E-410*	+15 ÷ +40	410 ml	12

	[° C]		
WCF-E3-585	+5 ÷ +40	585 ml	12

WCF-XS (NANDA KOT)

Hybrid injection anchors



Hybrid bonded injection anchor system offering very high performance in both cracked & uncracked concrete, along with a very good performance under seismic conditions (C16C2). For professional use in heavy and medium duty applications.

WCF-VESF (ELBRUS)

Vinylester Injection Anchors



Vinylester two-component (10:1 ratio) is styrene-free bonded anchoring system approved for use in uncracked concrete with medium performance level. Suitable for both DIY applications and also professional use.

WCF-PESF (MONT BLANC)

Polyester injection anchors



Polyester is a low to medium performance level, cost effective, general purpose two-component (10:1 ratio), styrene-free chemical anchoring system with unsaturated polyester as chemical base, that has been formulated for anchoring in a wide variety of building materials. Ideal for standard DIY applications in uncracked concrete and masonry substrates.

	[° C]		
WCF-XS-410*	-10 ÷ +30	410 ml	12
WCF-XS-C-410*	-20 ÷ +20	410 ml	12
WCF-XS-E-410*	+15 ÷ +40	410 ml	12

	[° C]		
WCF-VESF-300	+5 ÷ +30	300 ml	12
WCF-VESF-410	+5 ÷ +30	410 ml	12
WCF-VESF-E-300*	+10 ÷ +45	300 ml	12

	[° C]		
WCF-PESF-300	+5 ÷ +30	300 ml	12
WCF-PESF-C-300*	-10 ÷ +30	300 ml	12
WCF-PESF-E-410*	+10 ÷ +45	410 ml	12

* on request

KPG 5.8

M8 | 10 | 12 | 16 | 20 | 24 | 30

Anchor rods for injection anchors

Include:  **Zn**

			length [mm]	l =	class	type	Washer + nut	
M8	KPG5.8-M08090*	8×90	90	5.8	gvz	+	+	20
	KPG5.8-M08110	8×110	110	5.8	gvz	+	+	20
	KPG5.8-M08130*	8×130	130	5.8	gvz	+	+	20
	KPG5.8-M08160	8×160	160	5.8	gvz	+	+	10
M10	KPG5.8-M10090*	10×90	90	5.8	gvz	+	+	10
	KPG5.8-M10110*	10×110	110	5.8	gvz	+	+	10
	KPG5.8-M10130	10×130	130	5.8	gvz	+	+	10
	KPG5.8-M10160	10×160	160	5.8	gvz	+	+	10
M12	KPG5.8-M12090*	12×90	90	5.8	gvz	+	+	10
	KPG5.8-M12110*	12×110	110	5.8	gvz	+	+	10
	KPG5.8-M12130	12×130	130	5.8	gvz	+	+	10
	KPG5.8-M12160	12×160	160	5.8	gvz	+	+	10
M16	KPG5.8-M16090*	16×90	90	5.8	gvz	+	+	10
	KPG5.8-M16110*	16×110	110	5.8	gvz	+	+	10
	KPG5.8-M16130	16×130	130	5.8	gvz	+	+	10
	KPG5.8-M16160	16×160	160	5.8	gvz	+	+	10
M20	KPG5.8-M20090*	20×90	90	5.8	gvz	+	+	10
	KPG5.8-M20110*	20×110	110	5.8	gvz	+	+	10
	KPG5.8-M20130	20×130	130	5.8	gvz	+	+	10
	KPG5.8-M20160	20×160	160	5.8	gvz	+	+	10
M24	KPG5.8-M24090*	24×90	90	5.8	gvz	+	+	10
	KPG5.8-M24110*	24×110	110	5.8	gvz	+	+	10
	KPG5.8-M24130	24×130	130	5.8	gvz	+	+	10
	KPG5.8-M24160	24×160	160	5.8	gvz	+	+	10
M30	KPG5.8-M30090*	30×90	90	5.8	gvz	+	+	10
	KPG5.8-M30110*	30×110	110	5.8	gvz	+	+	10
	KPG5.8-M30130	30×130	130	5.8	gvz	+	+	10
	KPG5.8-M30160	30×160	160	5.8	gvz	+	+	10

* on request

KPG 5.8 1000

M8 | 10 | 12 | 16 | 20 | 24 | 30

Threaded rods for injection anchors (not include washers and nuts)

Not included:  **Zn**

			length [mm]	l =	class	type	Washer + nut	
M8	KPG5.8-M081000	8×1000	1000	5.8	gvz	-	-	1
M10	KPG5.8-M101000	10×1000	1000	5.8	gvz	-	-	1
M12	KPG5.8-M121000	12×1000	1000	5.8	gvz	-	-	1
M16	KPG5.8-M161000	16×1000	1000	5.8	gvz	-	-	1
M20	KPG5.8-M201000	20×1000	1000	5.8	gvz	-	-	1
M24	KPG5.8-M241000	24×1000	1000	5.8	gvz	-	-	1
M30	KPG5.8-M301000	30×1000	1000	5.8	gvz	-	-	1

KPG 8.8

M8 | 10 | 12 | 16 | 20

Anchor rods for injection anchors

Include:  **Zn**

			length [mm]	l =	klasa stali	rodzaj	Washer + nut	
M8	KPG8.8-M08110*	8×110	110	8.8	gvz	+	+	20
	KPG8.8-M08130*	8×130	130	8.8	gvz	+	+	20
M10	KPG8.8-M10160*	10×160	160	8.8	gvz	+	+	10
	KPG8.8-M10200*	10×200	200	8.8	gvz	+	+	10
M12	KPG8.8-M12120*	12×120	120	8.8	gvz	+	+	10
	KPG8.8-M12140*	12×140	140	8.8	gvz	+	+	10
	KPG8.8-M12160*	12×160	160	8.8	gvz	+	+	10
	KPG8.8-M12180*	12×180	180	8.8	gvz	+	+	10
M16	KPG8.8-M16220*	16×220	220	8.8	gvz	+	+	10
	KPG8.8-M16130*	16×130	130	8.8	gvz	+	+	10
	KPG8.8-M16190*	16×190	190	8.8	gvz	+	+	10
	KPG8.8-M16250*	16×250	250	8.8	gvz	+	+	10
M20	KPG8.8-M16300*	16×300	300	8.8	gvz	+	+	5
	KPG8.8-M20245*	20×245	245	8.8	gvz	+	+	5
	KPG8.8-M20290*	20×290	290	8.8	gvz	+	+	5

* on request

KPG 8.8 1000

M8 | 10 | 12 | 16 | 20 | 24 | 30

Threaded rods for injection anchors (not include washers and nuts)

Not included:  **Zn**

			length [mm]	l =	klasa stali	rodzaj	Washer + nut	
M8	KPG8.8-M081000	8×1000	1000	8.8	gvz	-	-	1
M10	KPG8.8-M101000	10×1000	1000	8.8	gvz	-	-	1
M12	KPG8.8-M121000	12×1000	1000	8.8	gvz	-	-	1
M16	KPG8.8-M161000	16×1000	1000	8.8	gvz	-	-	1
M20	KPG8.8-M201000	20×1000	1000	8.8	gvz	-	-	1
M24	KPG8.8-M241000	24×1000	1000	8.8	gvz	-	-	1
M30	KPG8.8-M301000	30×1000	1000	8.8	gvz	-	-	1



KPG A4

M8 | 10 | 12 | 16 | 20

Anchor rods for injection anchors

Include:   **A4** INOX

			length [mm]	class	type	Washer + nut	
M8	KPGA4-M08090*	8x90	90	A4-70	A4	+	20
	KPGA4-M08110	8x110	110	A4-70	A4	+	20
	KPGA4-M08130*	8x130	130	A4-70	A4	+	10
	KPGA4-M08160*	8x160	160	A4-70	A4	+	10
M10	KPGA4-M10110*	10x110	110	A4-70	A4	+	10
	KPGA4-M10130	10x130	130	A4-70	A4	+	10
	KPGA4-M10160*	10x160	160	A4-70	A4	+	10
	KPGA4-M10180*	10x180	180	A4-70	A4	+	10
M12	KPGA4-M12200*	12x200	200	A4-70	A4	+	10
	KPGA4-M12120*	12x120	120	A4-70	A4	+	10
	KPGA4-M12140*	12x140	140	A4-70	A4	+	10
	KPGA4-M12160	12x160	160	A4-70	A4	+	10
M16	KPGA4-M16130*	16x130	130	A4-70	A4	+	10
	KPGA4-M16175*	16x175	175	A4-70	A4	+	10
	KPGA4-M16190*	16x190	190	A4-70	A4	+	10
	KPGA4-M16250*	16x250	250	A4-70	A4	+	10
M20	KPGA4-M20245*	20x245	245	A4-70	A4	+	5
	KPGA4-M20300*	20x300	300	A4-70	A4	+	5

* on request

KPG A4 1000

M8 | 10 | 12 | 16 | 20

Threaded rods for injection anchors (not include washers and nuts)

Not included:   **A4** INOX

			length [mm]	class	type	Washer + nut	
M8	KPGA4-M081000	8x1000	1000	A4-70	A4	-	1
M10	KPGA4-M101000	10x1000		A4-70	A4	-	1
M12	KPGA4-M121000	12x1000		A4-70	A4	-	1
M16	KPGA4-M161000	16x1000		A4-70	A4	-	1
M20	KPGA4-M201000	20x1000		A4-70	A4	-	1

KPG A2 1000

M8 | 10 | 12

Threaded rods for injection anchors (not include washers and nuts)

Not included:   **A2** INOX

			length [mm]	class	type	Washer + nut	
M8	KPGA2-M081000	8x1000	1000	A2-70	A2	-	1
M10	KPGA2-M101000	10x1000		A2-70	A2	-	1
M12	KPGA2-M121000	12x1000		A2-70	A2	-	1
M16	KPGA2-M161000	16x1000		A2-70	A2	-	1

gvz - galvanized carbon steel, A4 - stainless steel A4, A2 - stainless steel A2

NM+PON

M8 - M30

Nut and washer set for meter-long injection anchor rods.



		grade	
M8	W-NM-PON5.8-08-(10)OP	5.8	10
M10	W-NM-PON5.8-10-(10)OP	5.8	10
M12	W-NM-PON5.8-12-(10)OP	5.8	10
M16	W-NM-PON5.8-16-(10)OP	5.8	10
M20	W-NM-PON5.8-20-(5)OP	5.8	5
M24	W-NM-PON5.8-24-(5)OP	5.8	5
M30	W-NM-PON5.8-30-(5)OP	5.8	5

		grade	
M8	W-NM-PON8.8-08-(10)OP	8.8	10
M10	W-NM-PON8.8-10-(10)OP	8.8	10
M12	W-NM-PON8.8-12-(10)OP	8.8	10
M16	W-NM-PON8.8-16-(10)OP	8.8	10
M20	W-NM-PON8.8-20-(5)OP	8.8	5
M24	W-NM-PON8.8-24-(5)OP	8.8	5
M30	W-NM-PON8.8-30-(5)OP	8.8	5

		grade	
M8	W-NM-PONA4-08-(10)OP	A4	10
M10	W-NM-PONA4-10-(10)OP	A4	10
M12	W-NM-PONA4-12-(10)OP	A4	10
M16	W-NM-PONA4-16-(10)OP	A4	10
M20	W-NM-PONA4-20-(5)OP	A4	5

		grade	
M8	W-NM-PONA2-08-(10)OP	A2-70	10
M10	W-NM-PONA2-10-(10)OP	A2-70	10
M12	W-NM-PONA2-12-(10)OP	A2-70	10



DCFA-CG-CA410

Battery-powered dispenser for resin injection, 410 ml.
The kit includes two batteries and a charger.



DCFA-CG-CA410	410 ml	1

DCF-300, DCF-410, DCF-585

Injection anchor dispensers



DCF-300	300 ml	1
DCF-410	410 ml	1
DCF-585	585 ml	1

PCF

Hole cleaning pump



PCF	1

TSM

Ø12 | 16 | 22 | 26

Metal mesh sleeve for hollow materials



			
Ø 12	TSM-12	12×1000	1
Ø 16	TSM-16	16×1000	1
Ø 22	TSM-22	22×1000	1
Ø 26	TSM-26	26×1000	1

DCFA-CG-CA585

Battery-powered dispenser for resin injection, 585 ml.
The kit includes two batteries and a charger.



DCFA-CG-CA585	585 ml	1

TSN

W-TSN

Ø12 | 16 | 20

Nylon mesh sleeves for fastening in hollow base materials



				
Ø12	TSN-01	12×80	50	600
Ø16	TSN-02	16×85	20	240
	TSN-03	16×130	20	160
Ø20	TSN-04	20×85	20	160
				
Ø16	W-TSN-02(4)	16×85	4	56
	W-TSN-03(4)	16×130	4	56

SCF

Hole cleaning brush



		
Ø11	SCF-11	1
Ø13	SCF-13	1
Ø18	SCF-18	1
Ø28	SCF-28	1

MCF

Mixing nozzle



MCF	-	12
MCF-P	-	1
MCF-PK	-	12

Pricing inquiries: export@wkret-met.com



MORE
ONLINE

HAMMER DRIVE FIXINGS, UNIVERSAL FIXINGS

PACKAGING

FIXINGS FOR SOLID SUBSTRATES



PRODUCT NAME / PACKAGING	CARTON BOX	LABELLED PIECE	BLISTER	SMALL / MEDIUM BAGS	MASTER BOX	BUCKET
SM 	SM	SM-E	BSM	W-SM	MB-SM	WI-SM
SMN 	SMN		BSMN			WI-SMN
SMK 	SMK		BSMK	W-SMK	MB-SMK	
SMNK 	SMNK		BSMNK			WI-SMNK
SMKC 	SMKC		BSMKC			
SMNKC 	SMNKC					
HOX 	HOX	HOX-E				
ZHO 	ZHO					
HX 	HX	HX-E				
PR 	PR	PR-E				
WX 	WX		BS	W-WX		
KKX 	KKX		BKKX	W-KKX	MB-KKX	
KPX 	KPX		BKP		MB-KPX	
KNX 	KNX					
KRX 	KRX		BKR	W-KRX	MB-KRX	
PX 	PX		BP			W-PX
BODB 	BODB					

MERCHANDISING SOLUTIONS



PIECES, BLISTERS AND CARTONS



BAGS, BIG BAGS AND BUCKETS



MASTER BOX (MB)



MIXED BLISTER AND CARTON BOX SHELVES, MOBILE AND ROTATING, ENHANCED WITH NEW MASTERBOX PACKAGING, BUCKETS, AND BAGS – THIS SET WILL SATISFY THE EXPECTATIONS OF ALL CUSTOMERS, FROM CONTRACTORS AND DIY ENTHUSIASTS TO INDIVIDUAL CUSTOMERS.



CHECK:



FAST AND EASY PUSH-THROUGH INSTALLATION

SM / SMN

REDUCTION OF INSTALLATION TIME

Special design of hammer drive fixings is allowing their intended use in application requiring fast and easy multiple fastening



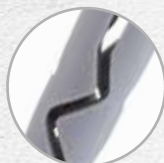
INCREASED HEAD DIAMETER OF SCREW

It exerts greater surface pressure on the elements being fastened.



COUNTERSUNK HEAD OF SCREW

Countersunk head of screw is more massive and shank under head has a significant thickening.



OPTIMUM EXPANSION ZONE

Ensures ideal expansion in wide range of substrates.



Countersunk collar
(SM, SMN)



Flat collar
(SMK, SMNK)



Cylindrical collar
(SMKC, SMNKC)



5 | 6 | 8 | 10

Hammer drive fixing, PZ-2/PZ-3 - sleeve made from polyethylene



Ø 5	SM-05025*	5×25	3,5×30	200	2400
	SM-05030	5×30	3,5×35	200	2400
	SM-05035	5×35	3,5×40	200	2400
	SM-05040*	5×40	3,5×45	200	2400
	SM-05050	5×50	3,5×55	200	2400
Ø 6	SM-06035*	6×35	3,9×40	200	2400
	SM-06040	6×40	3,9×45	200	2400
	SM-06050	6×50	3,9×55	200	1600
	SM-06060	6×60	3,9×65	200	1600
	SM-06080	6×80	3,9×85	100	1200
Ø 8	SM-08050	8×50	4,9×55	100	800
	SM-08060	8×60	4,9×65	100	800
	SM-08080	8×80	4,9×85	100	800
	SM-08100	8×100	4,9×105	100	800
	SM-08120	8×120	4,9×125	100	400
Ø 10	SM-08140	8×140	4,9×145	100	400
	SM-08160	8×160	4,9×165	100	400
	SM-10080	10×80	6,9×90	50	400
	SM-10100	10×100	6,9×110	50	400
	SM-10120	10×120	6,9×130	50	400
	SM-10140	10×140	6,9×150	50	200
	SM-10160	10×160	6,9×170	50	200
	SM-10180	10×180	6,9×190	50	200
	SM-10200	10×200	6,9×210	50	200
	SM-10220	10×220	6,9×230	50	200

* on request



Ø 8	SM-08140-E	8×140	4,9×145	1	50
	SM-08160-E	8×160	4,9×165	1	50
	SM-10120-E	10×120	6,9×130	1	50
	SM-10140-E	10×140	6,9×150	1	50
Ø 10	SM-10160-E	10×160	6,9×170	1	50
	SM-10180-E	10×180	6,9×190	1	50
	SM-10200-E	10×200	6,9×210	1	50
	SM-10220-E	10×220	6,9×230	1	50

Ø 5	BSM-05040(X9)	5×40	3,5×45	22	198
	BSM-06040(X9)	6×40	3,9×45	20	180
	BSM-06050(X9)	6×50	3,9×55	14	126
Ø 6	BSM-06060(X9)	6×60	3,9×65	14	126
	BSM-06080(X9)	6×80	3,9×85	11	99
	BSM-08050(X9)	8×50	4,9×55	12	108
Ø 8	BSM-08060(X9)	8×60	4,9×65	9	81
	BSM-08080(X9)	8×80	4,9×85	7	63
	BSM-08100(X9)	8×100	4,9×105	5	45
	BSM-08120(X9)	8×120	4,9×125	5	45
	BSM-10080(X9)	10×80	6,9×85	9	81
Ø 10	BSM-10100(X9)	10×100	6,9×110	4	36
	BSM-10120(X9)	10×120	6,9×130	3	27

Ø 6	W-SM-06040	6×40	3,9×45	50	500
	W-SM-06040(150)	6×40	3,9×45	150	750
	W-SM-06040(400)	6×40	3,9×45	400	2400
	W-SM-06060	6×60	3,9×65	40	400
	W-SM-06060(150)	6×60	3,9×65	150	750
	W-SM-06060-CL	6×60	3,9×65	14	280
	W-SM-06080	6×80	3,9×85	30	420
	W-SM-06080(100)	6×80	3,9×85	100	500
	W-SM-08050	8×50	4,9×55	30	300
	W-SM-08050(100)	8×50	4,9×55	100	500
Ø 8	W-SM-08050-CL	8×50	4,9×55	12	360
	W-SM-08060	8×60	4,9×65	25	250
	W-SM-08060(200)	8×60	4,9×65	200	1200
	W-SM-08060(80)	8×60	4,9×65	80	400
	W-SM-08080	8×80	4,9×85	20	240
	W-SM-08080(200)	8×80	4,9×85	200	800
	W-SM-08080(80)	8×80	4,9×85	80	480
	W-SM-08100	8×100	4,9×105	16	256
	W-SM-08100(60)	8×100	4,9×105	60	480
	W-SM-10100	10×100	6,9×110	10	180

Ø 6	MB-SM-06040(100)	6×40	3,9×45	100	600
	MB-SM-06060(50)	6×60	3,9×65	50	300
Ø 8	MB-SM-08050(25)	8×50	4,9×55	25	150
	MB-SM-08060(25)	8×60	4,9×65	25	150
	MB-SM-08080(25)	8×80	4,9×85	25	150
	MB-SM-08100(25)	8×100	4,9×105	25	150

Ø 5	WI-SM-05030(600)	5×30	3,5×35	600	2400
	WI-SM-06040(400)	6×40	3,9×45	400	1600
Ø 6	WI-SM-06060(400)	6×60	3,9×65	400	400
	WI-SM-08060(400)	8×60	4,9×65	400	400
Ø 8	WI-SM-08080(300)	8×80	4,9×85	300	300

 **SMN**
 **BSMN**
 **WI-SMN**

Ø5 | 6 | 8 | 10

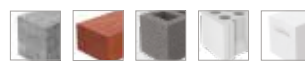
Hammer drive fixing with collar, PZ-2 - sleeve made from polyamide



 **SMK**
 **BSMK**
 **W-SMK**
 **MB-SMK**

Ø5 | 6 | 8

Hammer drive fixing with collar, PZ-2 - sleeve made from polyethylene



						
Ø5	SMN-05025*	5×25	3,5×30	200	2400	
	SMN-05030*	5×30	3,5×35	200	2400	
	SMN-05035*	5×35	3,5×40	200	2400	
	SMN-05040*	5×40	3,5×45	200	2400	
	SMN-05050*	5×50	3,5×55	200	2400	
Ø6	SMN-06035*	6×35	3,9×40	200	2400	
	SMN-06040	6×40	3,9×45	200	2400	
	SMN-06050	6×50	3,9×55	200	1600	
	SMN-06060	6×60	3,9×65	200	1600	
Ø8	SMN-08080	8×80	3,9×85	100	1200	
	SMN-08050	8×50	4,9×55	100	800	
	SMN-08060	8×60	4,9×65	100	800	
	SMN-08080	8×80	4,9×85	100	800	
	SMN-08100	8×100	4,9×105	100	800	
	SMN-08120	8×120	4,9×125	100	400	
	SMN-08140	8×140	4,9×145	100	400	
Ø10	SMN-08160	8×160	4,9×165	100	400	
	SMN-10080	10×80	6,9×90	50	400	
	SMN-10100	10×100	6,9×110	50	400	
	SMN-10120	10×120	6,9×130	50	400	
	SMN-10140	10×140	6,9×150	50	200	
	SMN-10160	10×160	6,9×170	50	200	
	SMN-10180	10×180	6,9×190	50	200	
	SMN-10200	10×200	6,9×210	50	200	
	SMN-10220	10×220	6,9×230	50	200	

* on request

						
Ø6	BSMN-06040(X9)	6×40	3,9×45	20	180	
	BSMN-06060(X9)	6×60	3,9×65	14	126	
Ø8	BSMN-08060(X9)	8×60	4,9×65	10	90	
	BSMN-08080(X9)	8×80	4,9×85	10	90	

						
Ø6	WI-SMN-06040(400)	6×40	3,9×45	400	1600	
Ø8	WI-SMN-08060(400)	8×60	4,9×65	400	400	



						
Ø5	SMK-05025*	5×25	3,5×30	200	2400	
	SMK-05030*	5×30	3,5×35	200	2400	
	SMK-05035*	5×35	3,5×40	200	2400	
	SMK-05040*	5×40	3,5×45	200	2400	
	SMK-05050*	5×50	3,5×55	200	2400	
Ø6	SMK-06035*	6×35	3,9×40	200	2400	
	SMK-06040	6×40	3,9×45	200	2400	
	SMK-06050*	6×50	3,9×55	200	1600	
	SMK-06060	6×60	3,9×65	200	1600	
Ø8	SMK-06080	6×80	3,9×85	100	1200	
	SMK-08050	8×50	4,9×55	100	800	
	SMK-08060	8×60	4,9×65	100	800	
	SMK-08080	8×80	4,9×85	100	800	
	SMK-08100	8×100	4,9×105	100	800	
	SMK-08120	8×120	4,9×125	100	400	

						
Ø6	BSMK-06040(X9)	6×40	3,9×45	20	180	
	BSMK-06060(X9)	6×60	3,9×65	14	126	
	BSMK-06080(X9)	6×80	3,9×85	11	99	

						
Ø6	W-SMK-06040	6×40	3,9×45	40	400	
	W-SMK-06040(150)	6×40	3,9×45	150	750	
	W-SMK-06040(400)	6×40	3,9×45	400	2400	
	W-SMK-06040-CL	6×40	3,9×45	20	320	
	W-SMK-06060	6×60	3,9×65	40	400	
	W-SMK-06060(340)	6×60	3,9×65	340	2040	
	W-SMK-06060-CL	6×60	3,9×65	20	480	

						
Ø6	MB-SMK-06040(100)(X6)	6×40	3,9×45	100	600	
	MB-SMK-06060(50)(X6)	6×60	3,9×65	50	300	
	MB-SMK-06080(50)(X6)	6×80	3,9×85	50	300	

* on request



HAMMER DRIVE FIXINGS, UNIVERSAL FIXINGS

KLIMAS
FASTENER TECHNOLOGIES

 **SMNK**

 **BSMNK**

 **WI-SMNK**

Ø5 | 6 | 8

Hammer drive fixing with cylindrical collar, PZ-2 - sleeve made from polyamide



					
Ø 5	SMNK-05025*	5×25	3,5×30	200	2400
	SMNK-05030*	5×30	3,5×35	200	2400
	SMNK-05035*	5×35	3,5×40	200	2400
	SMNK-05040*	5×40	3,5×45	200	2400
	SMNK-05050*	5×50	3,5×55	200	2400
Ø 6	SMNK-06035*	6×35	3,9×40	200	2400
	SMNK-06040	6×40	3,9×45	200	2400
	SMNK-06050*	6×50	3,9×55	200	1600
	SMNK-06060	6×60	3,9×65	200	1600
	SMNK-06080	6×80	3,9×85	100	1200
Ø 8	SMNK-08050*	8×50	4,9×55	100	800
	SMNK-08060*	8×60	4,9×65	100	800
	SMNK-08080*	8×80	4,9×85	100	800
	SMNK-08100*	8×100	4,9×105	100	800
	SMNK-08120*	8×120	4,9×125	100	400
Ø 6	BSMNK-06040(X9)	6×40	3,9×45	20	180
	BSMNK-08060(X9)	8×60	4,9×65	10	90
Ø 5	WI-SMNK-05025(600)	5×25	3,5×30	600	2400
	WI-SMNK-05030(600)	5×30	3,5×35	600	2400
	WI-SMNK-06035(400)	6×35	3,9×40	400	1600
	WI-SMNK-06040(400)	6×40	3,9×45	400	1600

* on request



Pricing inquiries: export@wkret-met.com

 **SMKC**

 **BSMKC**

 **WI-SMKC**

Ø5 | 6 | 8

Hammer drive fixing with cylindrical collar, PZ-2 - sleeve made from polyethylene



					
Ø 5	SMKC-05025*	5×25	3,5×30	200	2400
	SMKC-05030*	5×30	3,5×35	200	2400
	SMKC-05035	5×35	3,5×40	200	2400
	SMKC-05040*	5×40	3,5×45	200	2400
	SMKC-05050	5×50	3,5×55	200	2400
Ø 6	SMKC-06035*	6×35	3,9×40	200	2400
	SMKC-06040	6×40	3,9×45	200	2400
	SMKC-06050*	6×50	3,9×55	200	1600
	SMKC-06060	6×60	3,9×65	200	1600
	SMKC-06080*	6×80	3,9×85	100	1200
Ø 8	SMKC-08050*	8×50	4,9×55	100	800
	SMKC-08060*	8×60	4,9×65	100	800
	SMKC-08080*	8×80	4,9×85	100	800
	SMKC-08100*	8×100	4,9×105	100	800
	SMKC-08120*	8×120	4,9×125	100	400
Ø 5	BSMKC-05035(X9)	5×35	3,5×40	25	9
	BSMKC-06040(X9)	6×40	3,9×45	20	9
	BSMKC-06060(X9)	6×60	3,9×65	14	9
Ø 5	WI-SMKC-05025(600)	5×25	3,5×30	600	2400
	WI-SMKC-06035(400)	6×35	3,9×40	400	1600

 **SMNKC**

Ø5 | 6 | 8

Hammer drive fixing with cylindrical collar, PZ-2 - sleeve made from polyamide



					
Ø 5	SMNKC-05025*	5×25	3,5×30	200	2400
	SMNKC-05030*	5×30	3,5×35	200	2400
	SMNKC-05035*	5×35	3,5×40	200	2400
	SMNKC-05040*	5×40	3,5×45	200	2400
	SMNKC-05050*	5×50	3,5×55	200	2400
Ø 6	SMNKC-06035*	6×35	3,9×40	200	2400
	SMNKC-06040*	6×40	3,9×45	200	2400
	SMNKC-06050*	6×50	3,9×55	200	1600
	SMNKC-06060*	6×60	3,9×65	200	1600
	SMNKC-06080*	6×80	3,9×85	100	1200
Ø 8	SMNKC-08050*	8×50	4,9×55	100	800
	SMNKC-08060*	8×60	4,9×65	100	800
	SMNKC-08080*	8×80	4,9×85	100	800
	SMNKC-08100*	8×100	4,9×105	100	800
	SMNKC-08120*	8×120	4,9×125	100	400

* on request



HOX-E

Ø14 | 16

Expansion plug with eye-bolt



ITB-KOT-2018/0528



Ø14	HOX-14120	14×80	10×165	20	160
	HOX-14160	14×80	10×205	20	80
	HOX-14190	14×80	10×235	20	80
	HOX-14230	14×80	10×275	20	80
Ø16	HOX-16160	16×100	12×210	15	60
	HOX-16190	16×100	12×240	15	60
	HOX-16230	16×100	12×280	15	60
	HOX-16300	16×100	12×350	15	60
	HOX-16350	16×100	12×400	10	40

Ø16	HOX-16230-E	16×100	12×280	1	60
	HOX-16300-E	16×100	12×350	1	60



PR-E

Ø8 | 10

Expansion plug with pig tail hook



ITB-KOT-2018/0528



Ø8	PR-08080	8,0×80	6,0×105	50	600
	PR-08100	8,0×100	6,0×125	50	600
Ø10	PR-10100	10×100	7,0×125	50	400
	PR-10135	10×140	7,0×165	50	200
	PR-10160	10×160	7,0×185	50	200

Ø8	PR-08080-E	8,0×80	6,0×105	1	600
	PR-08100-E	8,0×100	6,0×125	1	600
Ø10	PR-10100-E	10×100	7,0×125	1	400
	PR-10135-E	10×140	7,0×165	1	200
	PR-10160-E	10×160	7,0×185	1	200



HX-E

Ø12

Frame plug with straight hook



ITB-KOT-2018/0528



Ø12	HX-12	12×60	8,0×130	50	200

Ø12	HX-12-E	12×60	8,0×130	1	200



BS

W-WX

Ø6 | 8 | 10 | 12

Expansion plug with round hook



ITB-KOT-2018/0528



Ø6	WX-06	6,0×30	4,0×55	100	1600
Ø8	WX-08	8,0×40	4,5×65	100	1200
Ø10	WX-10	10×50	5,5×90	100	800
Ø12	WX-12	12×60	7,5×97	100	400

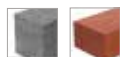
Ø6	BS-06(X10)	6,0×30	4,0×55	12	120
Ø8	BS-08(X10)	8,0×40	4,5×65	7	70
Ø10	BS-10(X10)	10×50	5,5×90	5	50
Ø12	BS-12(X9)	12×60	7,5×97	3	27

Ø8	W-WX-08	8,0×40	4,5×65	20	500

KKX
BK
W-KKX
MB-KKX

Ø 10 | 12 | 14

Expansion plug with hex head screw



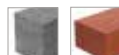
ITB-KOT-2018/0528



KPX
BKP
MB-KPX

Ø 6 | 8 | 10 | 12 | 14 | 16

Universal plug



Ø 10	KKX-10060	10×60	6,0×60	100	800
	KKX-10070	10×60	6,0×70	100	800
	KKX-10080	10×60	6,0×80	100	400
	KKX-10090	10×60	6,0×90	100	400
	KKX-10100	10×60	6,0×100	100	400
	KKX-10120	10×60	6,0×120	100	400
Ø 12	KKX-10140	10×60	6,0×140	100	400
	KKX-12060	12×60	8,0×60	100	400
	KKX-12070	12×60	8,0×70	100	400
	KKX-12080	12×60	8,0×80	100	400
	KKX-12090	12×60	8,0×90	100	400
	KKX-12100	12×80	8,0×100	50	400
Ø 14	KKX-12120	12×80	8,0×120	50	400
	KKX-12140	12×80	8,0×140	50	400
	KKX-12160	12×80	8,0×160	50	400
	KKX-12180	12×80	8,0×180	50	200
	KKX-12200	12×80	8,0×200	50	200
	KKX-14080	14×80	10×80	50	200
Ø 16	KKX-14100	14×80	10×100	50	200
	KKX-14120	14×80	10×120	50	200
	KKX-14140	14×80	10×140	50	200
	KKX-14160	14×80	10×160	25	100
	KKX-14180	14×80	10×180	25	100
	KKX-14200	14×80	10×200	25	100

Ø 10	BK-10060(X9)	10×60	6,0×60	8	72
	BK-10080(X9)	10×60	6,0×80	7	63
	BK-10100(X9)	10×60	6,0×100	6	54
	BK-10120(X9)	10×60	6,0×120	5	45
Ø 12	BK-12060(X9)	12×60	8,0×60	5	45
	BK-12080(X9)	12×60	8,0×80	4	36
	BK-12100(X9)	12×80	8,0×100	3	27
	BK-12120(X9)	12×80	8,0×120	3	27
Ø 14	BK-14100(X9)	14×80	10×100	2	18
	BK-14120(X9)	14×80	10×120	2	18

Ø 10	W-KKX-10060	10×60	6,0×60	20	280
	W-KKX-10080	10×60	6,0×80	16	320
	W-KKX-12060	12×60	8,0×60	10	220
Ø 12	W-KKX-12080	12×60	8,0×80	8	200
	W-KKX-12100	12×80	8,0×100	8	160

Ø 10	MB-KKX-10060(15)(X6)	10×60	6,0×60	15	90
	MB-KKX-10080(25)(X6)	10×60	6,0×80	15	90
	MB-KKX-12060(15)(X6)	12×60	8,0×60	25	150
Ø 12	MB-KKX-12080(15)(X6)	12×60	8,0×80	15	90
	MB-KKX-12100(15)(X6)	12×80	8,0×100	15	90

Ø 6	KPX-06030	6,0×30	1000	4000	
Ø 8	KPX-08040	8,0×40	500	2000	
	KPX-08050	8,0×50	400	1600	
Ø 10	KPX-10050	10×50	300	1200	
	KPX-10060	10×60	200	800	
Ø 12	KPX-12060	12×60	150	600	
	KPX-12080	12×80	100	400	
Ø 14	KPX-14080	14×80	100	400	
Ø 16	KPX-16100	16×100	50	200	

Ø 6	BKP-06030(X20)	6,0×30	35	20	
Ø 8	BKP-08040(X10)	8,0×40	22	10	
	BKP-08050(X10)	8,0×50	14	10	
Ø 10	BKP-10050(X10)	10×50	14	10	
	BKP-10060(X10)	10×60	10	10	
Ø 12	BKP-12060(X9)	12×60	10	9	
	BKP-12080(X9)	12×80	7	9	
Ø 14	BKP-14080(X20)	14×80	6	20	

Ø 10	MB-KPX-10060(30)(X6)	12×60	30	6	
Ø 12	MB-KPX-12080(10)(X6)	12×80	10	6	
Ø 16	MB-KPX-16100(10)(X6)	16×100	10	6	

KNX

Ø 6 | 8 | 10 | 12 | 14 | 16

Universal plug



Ø 6	KNX-06030	6,0×30	1000	4000	
Ø 8	KNX-08040	8,0×40	500	2000	
	KNX-08050	8,0×50	400	1600	
Ø 10	KNX-10050	10×50	300	1200	
	KNX-10060	10×60	200	800	
Ø 12	KNX-12060	12×60	150	600	
	KNX-12080	12×80	100	400	
Ø 14	KNX-14080	14×80	100	400	
Ø 16	KNX-16100	16×100	50	200	

 **KRX**
 **BKR**
 **W-KRX**
 **MB-KRX**

∅6 | 8 | 10

3-Way expansion plug with countersunk wood screw PZ-2/PZ-3



ITB-KOT-2018/0528



					
∅6	KRX-063530	6,0×30	3,5×30	200	3200
	KRX-063535	6,0×30	3,5×35	200	3200
	KRX-063540	6,0×30	3,5×40	200	3200
	KRX-063550	6,0×30	3,5×50	200	3200
	KRX-063560	6,0×30	3,5×60	200	2400
∅8	KRX-084040	8,0×40	4,0×40	100	1600
	KRX-084045	8,0×40	4,0×45	100	1600
	KRX-084050	8,0×40	4,0×50	100	1600
	KRX-084060	8,0×40	4,0×60	100	1600
	KRX-085050	8,0×50	5,0×50	100	1200
	KRX-085060	8,0×50	5,0×60	100	1200
	KRX-085070	8,0×50	5,0×70	100	800
	KRX-085080	8,0×50	5,0×80	100	800
	KRX-085100	8,0×50	5,0×100	100	800
	KRX-105050	10×50	5,0×50	100	1200
∅10	KRX-105060	10×50	5,0×60	100	800
	KRX-105070	10×50	5,0×70	100	800
	KRX-105080	10×50	5,0×80	100	800
	KRX-105100	10×50	5,0×100	100	800
	KRX-106060	10×60	6,0×60	100	800
	KRX-106070	10×60	6,0×70	100	800
	KRX-106080	10×60	6,0×80	100	400
	KRX-106100	10×60	6,0×100	100	400
	KRX-106120	10×60	6,0×120	100	400
∅12	KRX-126060	12×60	6,0×60	100	400

					
∅6	BKR-063530(X10)	6,0×30	3,5×30	25	250
	BKR-063535(X10)	6,0×30	3,5×35	22	220
	BKR-063540(X10)	6,0×30	3,5×40	18	180
∅8	BKR-084045(X10)	8,0×40	4,0×45	14	140
	BKR-084050(X10)	8,0×40	4,0×50	14	140
	BKR-084060(X10)	8,0×40	4,0×60	12	120
	BKR-085060(X10)	8,0×50	5,0×60	8	80
∅10	BKR-105060(X10)	10×50	5,0×60	7	70
	BKR-105080(X10)	10×50	5,0×80	6	60
	BKR-106060(X10)	10×60	6,0×60	5	50
	BKR-106080(X10)	10×60	6,0×80	4	40

					
∅6	W-KRX-063535	6,0×30	3,5×30	30	360
	W-KRX-084045	8,0×40	4,0×45	50	500
∅8	W-KRX-085050(400)	8,0×50	5,0×50	400	2400
	W-KRX-085060	8,0×50	5,0×60	30	300
	W-KRX-085060(400)	8,0×50	5,0×60	400	2400
∅10	W-KRX-105060	10×50	5,0×60	25	250

					
∅8	MB-KRX-084045(100)	8,0×40	4,0×45	100	600
	MB-KRX-085060(50)	10×60	4,0×60	50	300

 **PX**
 **BP**
 **W-PX**

∅6 | 8 | 10 | 12

Expansion plug straight hook



ITB-KOT-2018/0528



					
∅6	PX-06	6,0×30	4,0×40	200	3200
∅8	PX-08	8,0×40	4,5×50	100	1600
∅10	PX-10	10×50	5,5×60	100	800
	PX-100	10×60	6,0×75	100	800
∅12	PX-12	12×60	7,5×75	100	400
	PX-120	12×80	8,0×100	50	400

					
∅6	BP-06(X10)	6,0×30	4,0×40	12	10
∅8	BP-08(X10)	8,0×40	4,5×50	9	10
∅10	BP10(X10)	10×50	5,5×60	6	10
	BP-100(X10)	10×60	6,0×75	5	10
∅12	BP-12(X10)	12×60	7,5×75	4	10
	BP-120(X9)	12×80	8,0×100	2	9

					
∅8	W-PX-08	8,0×40	4,5×50	20	28
∅10	W-PX-10	10×50	5,5×60	15	25

 **BODB**

∅8

Doorstop



				
∅8	BODB-08060B1		1	5
	BODB-08060BR		1	5
	BODB-08060CZ		1	5
	BODB-08060SZ		1	5



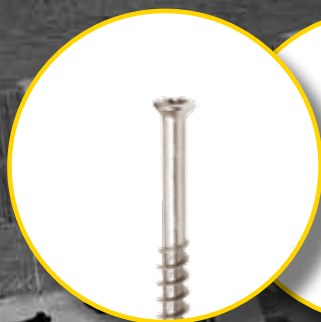
MORE
ONLINE

SCREWS AND FASTENERS FOR WOODEN STRUCTURES



SPACER SCREWS

PAGE 83



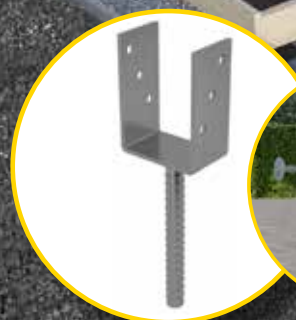
SCREWS FOR FLOORS AND TERRACES

PAGE 84



SCREWS FOR FASTENING STEEL-WOOD CONNECTIONS

PAGE 80



STEEL-WOOD CONNECTORS

PAGE 90

Wkręt-met
KLIMAS

CONSTRUCTION SCREWS

PAGE 73

SCREWS FOR REINFORCEMENTS & ANGLED JOINTS

PAGE 72

SCREWS FOR CONNECTIONS REQUIRING TIGHTENING OF ELEMENTS

PAGE 75

ANGLE BRACKETS

PAGE 92

PACKAGING

FASTENINGS TO WOODEN SUBSTRATES



PRODUCT NAME / PACKAGING	CARTON BOX	LABELLED PIECE	BLISTER	SMALL / MEDIUM BAGS	MASTER BOX	BUCKET
WKFC 	WKFC					
WKFS 	WKFS					
WKCS 	WKCS	WKCS-E	BWKCS	BWHT	MB-WKCS	WI-WKCS
WKCP 	WKCP	WKCP-E		W-WKCP		
PWKCS 	PWKCS					
WKCR 	WKCR					
WKCH 	WKCH					
WKLC 	WKLC			W-WKLC	MB-WKLC	WI-WKLC
KL 	KL					
WKSS 	WKSS			W-WKSS	MB-WKSS	WI-WKSS
WKPC 	WKPC					
WT 	WT					
HNT 	HNT					
WN 	WN					
KDH 	KDH / KMH		BWK			

MERCHANDISING SOLUTIONS



PIECES, BLISTERS AND CARTON BOXES



BAGS, BIG BAGS AND BUCKETS



MASTER BOX (MB)



MIXED BLISTER AND CARTON BOX SHELVES, MOBILE AND ROTATING, ENHANCED WITH NEW MASTERBOX PACKAGING, BUCKETS, AND BAGS – THIS SET WILL SATISFY THE EXPECTATIONS OF ALL CUSTOMERS, FROM CONTRACTORS AND DIY ENTHUSIASTS TO INDIVIDUAL CUSTOMERS.



CHECK:



SCREWS FOR REINFORCEMENTS & ANGLED JOINTS

The perfect solution for reinforcing wooden joints.
Provides an optimal connection between joined elements "without pulling".

EXAMPLES OF USE



Reinforcement with screws in roof ridge area



Protection against failure of notched beam



Reinforcement in the point of support



Reinforcement by coupling of beams



Reinforcement of beam in the point weakened by drill hole



Joint between two girders



Joint between two passing-by beams

WKFS

WKFC

FOR STRUCTURAL REINFORCEMENT AND ANGLED CONNECTIONS

KLIMAS
FASTENER TECHNOLOGIES

WKFC

Ø6 | 8 | 10

Screw for wooden constructions with full thread and cylindrical head



WKFS

Ø8 | 10

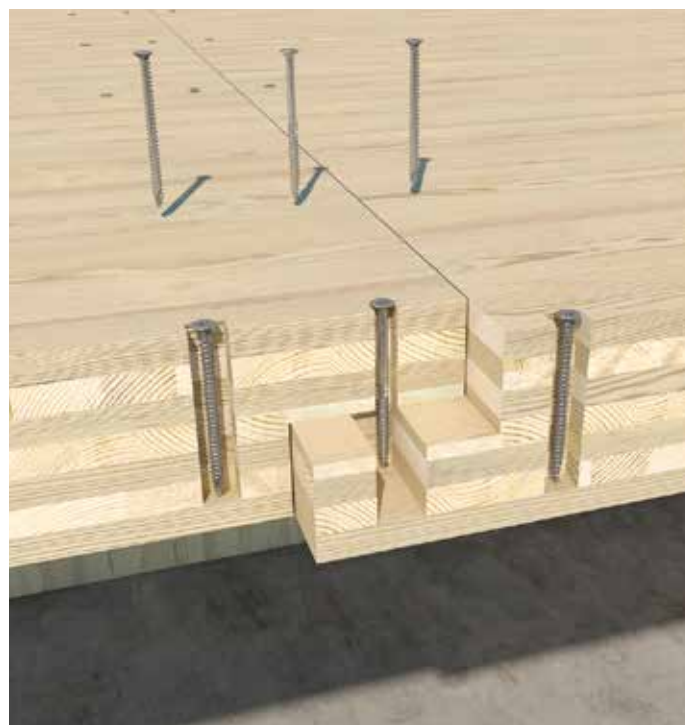
Screw for wooden constructions with full thread and countersunk head



	Zn WHITE	SUPER QUALITY C4 15 YEARS			
Ø6	WKFC-06080-B		6×80	72	100
	WKFC-06100-B	WKFC-06100-D*	6×100	92	100
	WKFC-06120-B	WKFC-06120-D*	6×120	112	100
	WKFC-06140-B		6×140	132	100
	WKFC-06160-B		6×160	152	100
	WKFC-06180-B		6×180	172	100
	WKFC-06200-B	WKFC-06200-D*	6×200	192	100
	WKFC-06220-B	WKFC-06220-D*	6×220	212	100
	WKFC-06240-B	WKFC-06240-D*	6×240	232	100
	WKFC-06260-B	WKFC-06260-D*	6×260	252	100
	WKFC-06280-B		6×280	272	100
	WKFC-06300-B		6×300	292	100
Ø8	WKFC-08120-B		8×120	105	50
	WKFC-08140-B		8×140	125	50
	WKFC-08160-B		8×160	145	50
	WKFC-08180-B		8×180	165	50
	WKFC-08200-B		8×200	185	50
	WKFC-08220-B	WKFC-08220-D*	8×220	205	50
	WKFC-08240-B	WKFC-08240-D*	8×240	225	50
	WKFC-08260-B	WKFC-08260-D*	8×260	245	50
	WKFC-08280-B	WKFC-08280-D*	8×280	265	50
	WKFC-08300-B		8×300	285	50
	WKFC-08350-B	WKFC-08350-D*	8×350	335	50
	WKFC-08400-B	WKFC-08400-D*	8×400	385	50
Ø10	WKFC-08450-B	WKFC-08450-D*	8×450	435	50
	WKFC-08500-B	WKFC-08500-D*	8×500	485	50
	WKFC-10300-B	WKFC-10300-D*	10×300	285	25
	WKFC-10330-B	WKFC-10330-D*	10×330	315	25
	WKFC-10360-B	WKFC-10360-D*	10×360	345	25
	WKFC-10400-B	WKFC-10400-D*	10×400	385	25
	WKFC-10450-B	WKFC-10450-D*	10×450	435	25
	WKFC-10500-B	WKFC-10500-D*	10×500	485	25
	WKFC-10550-B		10×550	535	25
	WKFC-10600-B		10×600	585	25

* on request

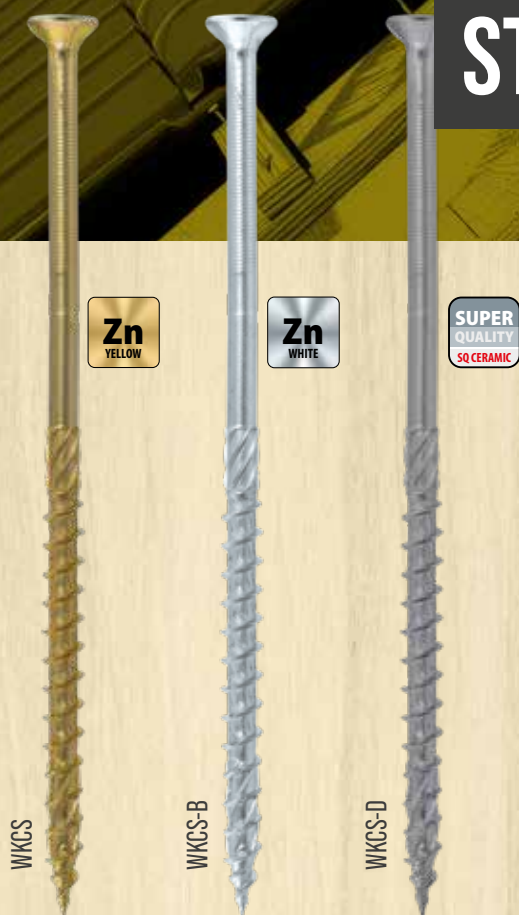
	Zn WHITE	SUPER QUALITY C4 15 YEARS			
Ø8	WKFS-08120-B		8×120	105	50
	WKFS-08140-B		8×140	125	50
	WKFS-08160-B		8×160	145	50
	WKFS-08180-B		8×180	165	50
	WKFS-08200-B		8×200	185	50
	WKFS-08220-B		8×220	205	50
	WKFS-08240-B		8×240	225	50
	WKFS-08260-B		8×260	245	50
	WKFS-08280-B		8×280	265	50
	WKFS-08300-B		8×300	285	50
	WKFS-08350-B		8×350	335	50
	WKFS-08400-B		8×400	385	50
Ø10	WKFS-08450-B		8×450	435	50
	WKFS-08500-B		8×500	485	50
	WKFS-10300-B		10×300	285	25
	WKFS-10330-B	WKFS-10330-D*	10×330	315	25
	WKFS-10360-B	WKFS-10360-D*	10×360	345	25
	WKFS-10400-B	WKFS-10400-D*	10×400	385	25
	WKFS-10450-B		10×450	435	25
	WKFS-10500-B	WKFS-10500-D*	10×500	485	25
	WKFS-10550-B	WKFS-10550-D*	10×550	535	25
	WKFS-10600-B	WKFS-10600-D*	10×600	585	25



WKCS / WKCS-B / WKCS-D

STRUCTURAL TIMBER SCREW

Diameter range: Ø3 mm - 10 mm
Length range: od 30 do 600 mm



Carbon steel
Yellow plate zinc



Carbon steel
White plate zinc



Carbon steel
SQ Ceramic (C4)



KMWHT NAME HAS CHANGED:

WKCS

KMWHT



Example:

Product code **KMWHT-50040** has been changed to: **WKCS-50040**

Sizes and technical parameters stay unchanged.

DEAR CLIENT

We politely inform you that we are undertaking structural timber screw name unification.

SCREWS FOR CONNECTIONS REQUIRING TIGHTENING OF ELEMENTS

KLIMAS
FASTENER TECHNOLOGIES

 WKCS (KMWHT)

 WKCS-E

 BWKCS

 BWHT

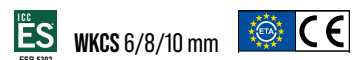
 MB-WKCS

 WI-WKCS

 KWKCS

Ø3 | 3,5 | 4 | 4,5 | 5 | 6 | 8 | 10

Flange head construction screw, TX



	 Zn YELLOW	 Zn WHITE	 SUPER QUALITY C4 CERAMIC				
Ø3	KMWHT-30030/WKCS-30030	KMWHT-30030-B/WKCS-30030-B		3,0×30	17	500	8000
	KMWHT-30035/WKCS-30035	KMWHT-30035-B/WKCS-30035-B		3,0×35	17	500	8000
	KMWHT-30040/WKCS-30040	KMWHT-30040-B/WKCS-30040-B		3,0×40	22	500	8000
Ø3,5	KMWHT-35030/WKCS-35030	KMWHT-35030-B/WKCS-35030-B		3,5×30	17	500	8000
	KMWHT-35035/WKCS-35035	KMWHT-35035-B/WKCS-35035-B		3,5×35	17	500	8000
	KMWHT-35040/WKCS-35040	KMWHT-35040-B/WKCS-35040-B		3,5×40	22	500	8000
Ø4	KMWHT-35050/WKCS-35050	KMWHT-35050-B/WKCS-35050-B		3,5×50	30	400	6400
	KMWHT-40030/WKCS-40030	KMWHT-40030-B/WKCS-40030-B	KMWHT-40030-D/WKCS-40030-D	4,0×30	17	500	8000
	KMWHT-40035/WKCS-40035	KMWHT-40035-B/WKCS-40035-B	KMWHT-40035-D/WKCS-40035-D	4,0×35	17	500	8000
	KMWHT-40040(400)/WKCS-40040(400)	KMWHT-40040(400)-B/WKCS-40040(400)-B	KMWHT-40040(400)-D/WKCS-40040(400)-D	4,0×40	22	400	6400
	KMWHT-40045/WKCS-40045	KMWHT-40045-B/WKCS-40045-B	KMWHT-40045-D/WKCS-40045-D	4,0×45	30	300	4800
	KMWHT-40050/WKCS-40050	KMWHT-40050-B/WKCS-40050-B	KMWHT-40050-D/WKCS-40050-D	4,0×50	30	300	4800
	KMWHT-40060/WKCS-40060	KMWHT-40060-B/WKCS-40060-B	KMWHT-40060-D/WKCS-40060-D	4,0×60	35	250	4000
	KMWHT-40070(200)/WKCS-40040(200)	KMWHT-40070(200)-B/WKCS-40040(200)-B	KMWHT-40070(200)-D/WKCS-40040(200)-D	4,0×70	40	200	2400
	KMWHT-45040/WKCS-45040	KMWHT-45040-B/WKCS-45040-B	KMWHT-45040-D/WKCS-45040-D	4,5×40	22	250	4000
Ø4,5	KMWHT-45050/WKCS-45050	KMWHT-45050-B/WKCS-45050-B	KMWHT-45050-D/WKCS-45050-D	4,5×50	30	250	4000
	KMWHT-45060/WKCS-45060	KMWHT-45060-B/WKCS-45060-B	KMWHT-45060-D/WKCS-45060-D	4,5×60	35	250	4000
	KMWHT-45070/WKCS-45070	KMWHT-45070-B/WKCS-45070-B	KMWHT-45070-D/WKCS-45070-D	4,5×70	40	250	4000
	KMWHT-45080/WKCS-45080	KMWHT-45080-B/WKCS-45080-B	KMWHT-45080-D/WKCS-45080-D	4,5×80	50	250	3000
Ø5	KMWHT-50040/WKCS-50040	KMWHT-50040-B/WKCS-50040-B	KMWHT-50040-D/WKCS-50040-D	5,0×40	22	500	6000
	KMWHT-50050/WKCS-50050	KMWHT-50050-B/WKCS-50050-B	KMWHT-50050-D/WKCS-50050-D	5,0×50	30	300	3600
	KMWHT-50060/WKCS-50060	KMWHT-50060-B/WKCS-50060-B	KMWHT-50060-D/WKCS-50060-D	5,0×60	35	200	2400
	KMWHT-50070/WKCS-50070	KMWHT-50070-B/WKCS-50070-B	KMWHT-50070-D/WKCS-50070-D	5,0×70	40	200	2400
	KMWHT-50080/WKCS-50080	KMWHT-50080-B/WKCS-50080-B	KMWHT-50080-D/WKCS-50080-D	5,0×80	50	200	2400
	KMWHT-50090/WKCS-50090	KMWHT-50090-B/WKCS-50090-B	KMWHT-50090-D/WKCS-50090-D	5,0×90	50	200	2400
	KMWHT-50100/WKCS-50100	KMWHT-50100-B/WKCS-50100-B	KMWHT-50100-D/WKCS-50100-D	5,0×100	60	200	2400
	KMWHT-50120/WKCS-50120	KMWHT-50120-B/WKCS-50120-B	KMWHT-50120-D/WKCS-50120-D	5,0×120	70	200	1600
	KMWHT-60050/WKCS-60050	KMWHT-60050-B/WKCS-60050-B	KMWHT-60050-D/WKCS-60050-D	6,0×50	30	200	2400
Ø6	KMWHT-60060(100)/WKCS-60060(100)	KMWHT-60060(100)-B/WKCS-60060(100)-B	KMWHT-60060(100)-D/WKCS-60060(100)-D	6,0×60	35	100	1200
	KMWHT-60070(100)/WKCS-60070(100)	KMWHT-60070(100)-B/WKCS-60070(100)-B	KMWHT-60070(100)-D/WKCS-60070(100)-D	6,0×70	40	100	1200
	KMWHT-60080(100)/WKCS-60080(100)	KMWHT-60080(100)-B/WKCS-60080(100)-B	KMWHT-60080(100)-D/WKCS-60080(100)-D	6,0×80	50	100	1200
	KMWHT-60090/WKCS-60090	KMWHT-60090-B/WKCS-60090-B	KMWHT-60090-D/WKCS-60090-D	6,0×90	50	100	1200
	KMWHT-60100/WKCS-60100	KMWHT-60100-B/WKCS-60100-B	KMWHT-60100-D/WKCS-60100-D	6,0×100	60	100	1200
	KMWHT-60120/WKCS-60120	KMWHT-60120-B/WKCS-60120-B	KMWHT-60120-D/WKCS-60120-D	6,0×120	70	100	800
	KMWHT-60140/WKCS-60140	KMWHT-60140-B/WKCS-60140-B	KMWHT-60140-D/WKCS-60140-D	6,0×140	70	100	800
	KMWHT-60160/WKCS-60160	KMWHT-60160-B/WKCS-60160-B	KMWHT-60160-D/WKCS-60160-D	6,0×160	75	100	800
	KMWHT-60180/WKCS-60180	KMWHT-60180-B/WKCS-60180-B	KMWHT-60180-D/WKCS-60180-D	6,0×180	75	100	800

							
Ø6	KMWHT-60200/WKCS-60200	KMWHT-60200-B/WKCS-60200-B	KMWHT-60200-D/WKCS-60200-D	6,0×200	75	100	400
	KMWHT-60220/WKCS-60220	KMWHT-60220-B/WKCS-60220-B	KMWHT-60220-D/WKCS-60220-D	6,0×220	75	100	400
	KMWHT-60240/WKCS-60240	KMWHT-60240-B/WKCS-60240-B	KMWHT-60240-D/WKCS-60240-D	6,0×240	75	100	400
	KMWHT-60260/WKCS-60260	KMWHT-60260-B/WKCS-60260-B	KMWHT-60260-D/WKCS-60260-D	6,0×260	75	100	400
	KMWHT-60280/WKCS-60280	KMWHT-60280-B/WKCS-60280-B	KMWHT-60280-D/WKCS-60280-D	6,0×280	75	100	400
Ø8	KMWHT-60300/WKCS-60300	KMWHT-60300-B/WKCS-60300-B	KMWHT-60300-D/WKCS-60300-D	6,0×300	75	100	400
	WKCS-08080(50)	WKCS-08080-B	WKCS-08080-D	8,0×80	50	50	400
	WKCS-08100(50)	WKCS-08100-B	WKCS-08100-D	8,0×100	50	50	400
	WKCS-08120(50)	WKCS-08120-B	WKCS-08120-D	8,0×120	80	50	400
	WKCS-08140(50)	WKCS-08140-B	WKCS-08140-D	8,0×140	100	50	400
	WKCS-08160(50)	WKCS-08160-B	WKCS-08160-D	8,0×160	100	50	400
	WKCS-08180(50)	WKCS-08180-B	WKCS-08180-D	8,0×180	100	50	400
	WKCS-08200(50)	WKCS-08200-B	WKCS-08200-D	8,0×200	100	50	200
	WKCS-08220(50)	WKCS-08220-B	WKCS-08220-D	8,0×220	100	50	200
	WKCS-08240(50)	WKCS-08240-B	WKCS-08240-D	8,0×240	100	50	200
	WKCS-08260(50)	WKCS-08260-B	WKCS-08260-D	8,0×260	100	50	200
	WKCS-08280(50)	WKCS-08280-B	WKCS-08280-D	8,0×280	100	50	200
	WKCS-08300(50)	WKCS-08300-B	WKCS-08300-D	8,0×300	100	50	200
	WKCS-08320(50)	WKCS-08320-B	WKCS-08320-D	8,0×320	100	50	200
	WKCS-08340(50)	WKCS-08340-B	WKCS-08340-D	8,0×340	100	50	200
	WKCS-08360(50)	WKCS-08360-B	WKCS-08360-D	8,0×360	100	50	200
	WKCS-08380(50)	WKCS-08380-B	WKCS-08380-D	8,0×380	100	50	-
	WKCS-08400(50)	WKCS-08400-B	WKCS-08400-D	8,0×400	100	50	-
	WKCS-08440(50)	WKCS-08440-B	WKCS-08440-D	8,0×440	100	50	-
	WKCS-08480(50)	WKCS-08480-B	WKCS-08480-D	8,0×480	100	50	-
Ø10	WKCS-08520(50)	WKCS-08520-B	WKCS-08520-D	8,0×520	100	50	-
	WKCS-08560(50)	WKCS-08560-B	WKCS-08560-D	8,0×560	100	50	-
	WKCS-08600(50)	WKCS-08600-B	WKCS-08600-D	8,0×600	100	50	-
	WKCS-10120	WKCS-10120-B	WKCS-10120-D	10×120	80	50	400
	WKCS-10140	WKCS-10140-B	WKCS-10140-D	10×140	80	50	400
	WKCS-10160(25)	WKCS-10160(25)-B	WKCS-10160(25)-D	10×160	100	25	200
	WKCS-10180(25)	WKCS-10180(25)-B	WKCS-10180(25)-D	10×180	100	25	200
	WKCS-10200(25)	WKCS-10200(25)-B	WKCS-10200(25)-D	10×200	100	25	100
	WKCS-10220	WKCS-10220-B	WKCS-10220-D	10×220	100	25	100
	WKCS-10240	WKCS-10240-B	WKCS-10240-D	10×240	100	25	100
	WKCS-10260	WKCS-10260-B	WKCS-10260-D	10×260	100	25	100
	WKCS-10280	WKCS-10280-B	WKCS-10280-D	10×280	100	25	100
	WKCS-10300	WKCS-10300-B	WKCS-10300-D	10×300	100	25	100
	WKCS-10320	WKCS-10320-B	WKCS-10320-D	10×320	100	25	100
	WKCS-10340	WKCS-10340-B	WKCS-10340-D	10×340	100	25	100
	WKCS-10360	WKCS-10360-B	WKCS-10360-D	10×360	100	25	100
	WKCS-10380	WKCS-10380-B	WKCS-10380-D	10×380	100	25	-
	WKCS-10400	WKCS-10400-B	WKCS-10400-D	10×400	100	25	-
	WKCS-10440	WKCS-10440-B	WKCS-10440-D	10×440	100	25	-
	WKCS-10480	WKCS-10480-B	WKCS-10480-D	10×480	100	25	-
Ø5	WI-WKCS-50080(700)-B	5,0×80	50	700	1400		
	WI-WKCS-50090(600)-B	5,0×90	50	600	1200		
	WI-WKCS-50100(500)-B	5,0×100	60	500	1000		
	WI-WKCS-60080(500)-B	6,0×80	50	500	1000		
Ø6	WI-WKCS-60100(500)-B	6,0×100	60	500	1000		
	WI-WKCS-60120(400)-B	6,0×120	70	400	800		
Ø8	WKCS-08080(50)-E	8×80	50	50	400		
	WKCS-08120(50)-E	8×120	80	50	400		
Ø8	BWKCS-08080-B(X10)	8,0×80	50	10	10		
	BWKCS-08100-B(X10)	8,0×100	50	10	10		
	BWKCS-08120-B(X10)	8,0×120	80	10	10		

SCREWS FOR CONNECTIONS REQUIRING TIGHTENING OF ELEMENTS

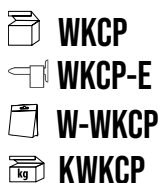
				
Ø3	KWKCS-30030	3,0×30	17	5
	KWKCS-30035	3,0×35	17	5
	KWKCS-30040	3,0×40	22	5
Ø3,5	KWKCS-35030	3,5×30	17	5
	KWKCS-35035	3,5×35	17	5
	KWKCS-35040	3,5×40	22	5
Ø4	KWKCS-35050	3,5×50	30	5
	KWKCS-40030	4,0×30	17	5
	KWKCS-40035	4,0×35	17	5
	KWKCS-40040	4,0×40	22	5
	KWKCS-40045	4,0×45	30	5
	KWKCS-40050	4,0×50	30	5
	KWKCS-40060	4,0×60	35	5
Ø4,5	KWKCS-40070	4,0×70	40	5
	KWKCS-45040	4,5×40	22	5
	KWKCS-45050	4,5×50	30	5
	KWKCS-45060	4,5×60	35	5
Ø5	KWKCS-45070	4,5×70	40	5
	KWKCS-45080	4,5×80	50	5
	KWKCS-50040	5,0×40	22	5
	KWKCS-50050	5,0×50	30	5
	KWKCS-50060	5,0×60	35	5
	KWKCS-50070	5,0×70	40	5
	KWKCS-50080	5,0×80	50	5
	KWKCS-50090	5,0×90	50	5
	KWKCS-50100	5,0×100	60	5
	KWKCS-50120	5,0×120	70	5
Ø6	KWKCS-60050	6,0×50	30	5
	KWKCS-60060	6,0×60	35	5
	KWKCS-60070	6,0×70	40	5
	KWKCS-60080	6,0×80	50	5
	KWKCS-60090	6,0×90	50	5
	KWKCS-60100	6,0×100	60	5
	KWKCS-60120	6,0×120	70	5
	KWKCS-60140	6,0×140	70	5
	KWKCS-60160	6,0×160	75	5
	KWKCS-60180	6,0×180	75	5
	KWKCS-60200	6,0×200	75	5
	KWKCS-60220	6,0×220	75	5
	KWKCS-60240	6,0×240	75	5
	KWKCS-60260	6,0×260	75	5
	KWKCS-60280	6,0×280	75	5
	KWKCS-60300	6,0×300	75	5

					
Ø3	BWHT-30030(X10)	3,0×30	17	42	10
	BWHT-30040(X10)	3,0×40	22	34	10
	BWHT-35035(X10)	3,5×35	17	36	10
Ø3,5	BWHT-35040(X10)	3,5×40	22	32	10
	BWHT-35050(X10)	3,5×50	30	26	10
	BWHT-40040(X10)	4,0×40	22	26	10
Ø4	BWHT-40050(X10)	4,0×50	30	20	10
	BWHT-40060(X10)	4,0×60	35	18	10
	BWHT-40070(X10)	4,0×70	40	16	10
Ø4,5	BWHT-45040(X10)	4,5×40	22	20	10
	BWHT-45050(X10)	4,5×50	30	16	10
	BWHT-45060(X10)	4,5×60	35	14	10
	BWHT-45070(X10)	4,5×70	40	12	10
Ø5	BWHT-45080(X10)	4,5×80	50	10	10
	BWHT-50040(X10)	5,0×40	22	16	10
	BWHT-50050(X10)	5,0×50	30	14	10
	BWHT-50060(X10)	5,0×60	35	12	10
	BWHT-50070(X10)	5,0×70	40	10	10
	BWHT-50080(X10)	5,0×80	50	10	10
	BWHT-50090(X9)	5,0×90	50	8	9
	BWHT-50100(X9)	5,0×100	60	8	9
	BWHT-50120(X9)	5,0×120	70	6	9
	BWHT-60060(X10)	6,0×60	35	8	10
Ø6	BWHT-60070(X10)	6,0×70	40	8	10
	BWHT-60080(X10)	6,0×80	50	6	10
	BWHT-60090(X9)	6,0×90	50	6	9
	BWHT-60100(X9)	6,0×100	60	6	9
	BWHT-60120(X9)	6,0×120	70	6	9

					
Ø3,5	MB-WKCS-35050(200)(X6)	3,5×50	30	200	6
	MB-WKCS-40040(130)(X6)	4,0×30	17	130	6
	MB-WKCS-40045(100)(X6)	4,0×45	30	100	6
Ø4	MB-WKCS-40050(100)(X6)	4,0×50	30	100	6
	MB-WKCS-40060(60)(X6)	4,0×60	35	60	6
	MB-WKCS-40070(60)(X6)	4,0×70	40	60	6
Ø4,5	MB-WKCS-45050(60)(X6)	4,5×50	30	60	6
	MB-WKCS-45060(60)(X6)	4,5×60	35	60	6
	MB-WKCS-45070(60)(X6)	4,5×70	40	60	6
	MB-WKCS-45080(60)(X6)	4,5×80	50	60	6
Ø5	MB-WKCS-50050(70)(X6)	5,0×50	30	70	6
	MB-WKCS-50060(40)(X6)	5,0×60	35	40	6
	MB-WKCS-50070(40)(X6)	5,0×70	40	40	6
	MB-WKCS-50080(40)(X6)	5,0×80	50	40	6
	MB-WKCS-50090(40)(X6)	5,0×90	50	40	6
	MB-WKCS-50100(40)(X6)	5,0×100	60	40	6
	MB-WKCS-50120(40)(X6)	5,0×120	70	40	6
	MB-WKCS-60080(40)(X6)	6,0×80	50	40	6
Ø6	MB-WKCS-60090(40)(X6)	6,0×90	50	40	6
	MB-WKCS-60100(40)(X6)	6,0×100	60	40	6
	MB-WKCS-60120(40)(X6)	6,0×120	70	40	6
	MB-WKCS-60140(40)(X6)	6,0×140	70	40	6
	MB-WKCS-60160(40)(X6)	6,0×160	75	40	6

					
Ø8	MB-WKCS-08080-B(40)(X6)	8,0×80	50	40	6
	MB-WKCS-08100-B(40)(X6)	8,0×100	50	40	6
	MB-WKCS-08120-B(40)(X6)	8,0×120	80	40	6
	MB-WKCS-08140-B(40)(X6)	8,0×140	100	40	6
	MB-WKCS-08160-B(40)(X6)	8,0×160	100	40	6





ø5 | 6 | 8 | 10

Screws with double thread for over-rafter insulation, TX



	Zn YELLOW	Zn WHITE	SUPER QUALITY C4 CERAMIC				
ø5	WKCP-05040	WKCP-05040-B	WKCP-05040-D	5,0×40	22	400	3200
	WKCP-05050	WKCP-05050-B	WKCP-05050-D	5,0×50	30	250	3000
	WKCP-05060	WKCP-05060-B	WKCP-05060-D	5,0×60	40	150	1800
	WKCP-05070	WKCP-05070-B	WKCP-05070-D	5,0×70	40	150	1800
	WKCP-05080	WKCP-05080-B	WKCP-05080-D	5,0×80	50	150	1800
	WKCP-05090	WKCP-05090-B	WKCP-05090-D	5,0×90	50	150	1200
	WKCP-05100	WKCP-05100-B	WKCP-05100-D	5,0×100	60	150	1200
	WKCP-05120	WKCP-05120-B	WKCP-05120-D	5,0×120	60	150	1200
ø6	WKCP-06050	WKCP-06050-B	WKCP-06050-D	6,0×50	30	100	800
	WKCP-06060	WKCP-06060-B	WKCP-06060-D	6,0×60	30	100	800
	WKCP-06070	WKCP-06070-B	WKCP-06070-D	6,0×70	40	100	800
	WKCP-06080	WKCP-06080-B	WKCP-06080-D	6,0×80	50	100	800
	WKCP-06090(100)	WKCP-06090(100)-B	WKCP-06090(100)-D	6,0×90	50	100	1200
	WKCP-06100(100)	WKCP-06100(100)-B	WKCP-06100(100)-D	6,0×100	60	100	800
	WKCP-06120(100)	WKCP-06120(100)-B	WKCP-06120(100)-D	6,0×120	70	100	800
	WKCP-06140(100)	WKCP-06140(100)-B	WKCP-06140(100)-D	6,0×140	70	100	800
	WKCP-06160(100)	WKCP-06160(100)-B	WKCP-06160(100)-D	6,0×160	75	100	800
	WKCP-06180(100)	WKCP-06180(100)-B	WKCP-06180(100)-D	6,0×180	75	100	800
	WKCP-06200(100)	WKCP-06200(100)-B	WKCP-06200(100)-D	6,0×200	75	100	400
	WKCP-06220(100)	WKCP-06220(100)-B	WKCP-06220(100)-D	6,0×220	75	100	400
	WKCP-06240(100)	WKCP-06240(100)-B	WKCP-06240(100)-D	6,0×240	75	100	400
	WKCP-06260(100)	WKCP-06260(100)-B	WKCP-06260(100)-D	6,0×260	75	100	400
	WKCP-06280(100)	WKCP-06280(100)-B	WKCP-06280(100)-D	6,0×280	75	100	400
	WKCP-06300(100)	WKCP-06300(100)-B	WKCP-06300(100)-D	6,0×300	75	100	400
ø8	WKCP-08040	WKCP-08040-B	WKCP-08040-D	8,0×40	40	50	400
	WKCP-08050	WKCP-08050-B	WKCP-08050-D	8,0×50	50	50	400
	WKCP-08060	WKCP-08060-B	WKCP-08060-D	8,0×60	60	50	400
	WKCP-08080	WKCP-08080-B	WKCP-08080-D	8,0×80	50	50	400
	WKCP-08100	WKCP-08100-B	WKCP-08100-D	8,0×100	50	50	400
	WKCP-08120	WKCP-08120-B	WKCP-08120-D	8,0×120	80	50	400
	WKCP-08140(25)	WKCP-08140(25)-B	WKCP-08140(25)-D	8,0×140	100	25	200
	WKCP-08160(25)	WKCP-08160(25)-B	WKCP-08160(25)-D	8,0×160	100	25	200
	WKCP-08180	WKCP-08180-B	WKCP-08180-D	8,0×180	100	50	200
	WKCP-08200	WKCP-08200-B	WKCP-08200-D	8,0×200	100	50	200
	WKCP-08220	WKCP-08220-B	WKCP-08220-D	8,0×220	100	50	200
	WKCP-08240	WKCP-08240-B	WKCP-08240-D	8,0×240	100	50	200
	WKCP-08260	WKCP-08260-B	WKCP-08260-D	8,0×260	100	50	200
	WKCP-08280	WKCP-08280-B	WKCP-08280-D	8,0×280	100	50	200
	WKCP-08300	WKCP-08300-B	WKCP-08300-D	8,0×300	100	50	200
	WKCP-08320	WKCP-08320-B	WKCP-08320-D	8,0×320	100	50	200
	WKCP-08340	WKCP-08340-B	WKCP-08340-D	8,0×340	100	50	200
	WKCP-08360	WKCP-08360-B	WKCP-08360-D	8,0×360	100	50	200
	WKCP-08380	WKCP-08380-B	WKCP-08380-D	8,0×380	100	50	-
	WKCP-08400	WKCP-08400-B	WKCP-08400-D	8,0×400	100	50	-
	WKCP-08440	WKCP-08440-B	WKCP-08440-D	8,0×440	100	50	50
	WKCP-08480	WKCP-08480-B	WKCP-08480-D	8,0×480	100	50	50
	WKCP-08520	WKCP-08520-B	WKCP-08520-D	8,0×520	100	50	50
	WKCP-08560	WKCP-08560-B	WKCP-08560-D	8,0×560	100	50	50
	WKCP-08600	WKCP-08600-B	WKCP-08600-D	8,0×600	100	50	50
ø10	WKCP-10120(25)	WKCP-10120(25)-B	WKCP-10120(25)-D	10×120	80	25	200
	WKCP-10140(25)	WKCP-10140(25)-B	WKCP-10140(25)-D	10×140	80	25	200
	WKCP-10160(25)	WKCP-10160(25)-B	WKCP-10160(25)-D	10×160	100	25	200
	WKCP-10180(25)	WKCP-10180(25)-B	WKCP-10180(25)-D	10×180	100	25	100
	WKCP-10200(25)	WKCP-10200(25)-B	WKCP-10200(25)-D	10×200	100	25	100

SCREWS FOR CONNECTIONS REQUIRING TIGHTENING OF ELEMENTS

KLIMAS
FASTENER TECHNOLOGIES

							
Ø 10	WKCP-10220	WKCP-10220-B	WKCP-10220-D	10×220	100	25	100
	WKCP-10240	WKCP-10240-B	WKCP-10240-D	10×240	100	25	100
	WKCP-10260	WKCP-10260-B	WKCP-10260-D	10×260	100	25	100
	WKCP-10280	WKCP-10280-B	WKCP-10280-D	10×280	100	25	100
	WKCP-10300	WKCP-10300-B	WKCP-10300-D	10×300	100	25	100
	WKCP-10320	WKCP-10320-B	WKCP-10320-D	10×320	100	25	100
	WKCP-10340	WKCP-10340-B	WKCP-10340-D	10×340	100	25	100
	WKCP-10360	WKCP-10360-B	WKCP-10360-D	10×360	100	25	100
	WKCP-10380	WKCP-10380-B	WKCP-10380-D	10×380	100	25	-
	WKCP-10400	WKCP-10400-B	WKCP-10400-D	10×400	100	25	-
	WKCP-10440 *	WKCP-10440-B *	WKCP-10440-D *	10×440	100	25	-
	WKCP-10480 *	WKCP-10480-B *	WKCP-10480-D *	10×480	100	25	-
	WKCP-10520 *	WKCP-10520-B *	WKCP-10520-D *	10×520	100	25	-
	WKCP-10560 *	WKCP-10560-B *	WKCP-10560-D *	10×560	100	25	-
	WKCP-10600 *	WKCP-10600-B *	WKCP-10600-D *	10×600	100	25	-

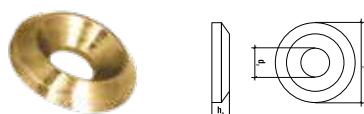
									
Ø 6	WKCP-06050-E	6,0×50	30	100	800				
	WKCP-06060-E	6,0×60	35	100	800				
	WKCP-06070-E	6,0×70	40	100	800				
	WKCP-06080-E	6,0×80	50	50	400				
	WKCP-06100-E	6,0×100	60	100	800				
	WKCP-06120-E	6,0×120	80	50	400				
	WKCP-06140-E	6,0×140	80	50	200				
	WKCP-08080-E	8,0×80	50	50	400				
	WKCP-08100-E	8,0×100	50	50	400				
	WKCP-08120-E	8,0×120	80	50	400				
Ø 8	WKCP-08140-E	8,0×140	100	50	200				
	WKCP-08160-E	8,0×160	100	50	200				
	WKCP-08180-E	8,0×180	100	50	200				
	WKCP-08200-E	8,0×200	100	50	200				
	WKCP-08220-E	8,0×220	100	50	200				
	WKCP-08240-E	8,0×240	100	50	200				
	WKCP-08260-E	8,0×260	100	50	200				
	WKCP-08280-E	8,0×280	100	50	200				
	WKCP-08300-E	8,0×300	100	50	200				
Ø 6	W-WKCP-06050(10)(X9)	6,0×50	30	10	9				
	W-WKCP-06060(10)(X9)	6,0×60	35	10	9				
	W-WKCP-06070(10)(X9)	6,0×70	40	10	9				
	W-WKCP-06080(10)(X9)	6,0×80	50	10	9				
	W-WKCP-06090(10)(X9)	6,0×90	50	10	9				
	W-WKCP-06100(10)(X9)	6,0×100	60	10	9				
	W-WKCP-06120(6)(X9)	6,0×120	70	6	9				
	W-WKCP-08040(10)(X9)	6,0×140	70	10	9				
	W-WKCP-08050(10)(X9)	8,0×40	40	10	9				
	W-WKCP-08060(10)(X9)	8,0×60	60	10	9				
Ø 8	W-WKCP-08080(8)(X9)	8,0×80	50	8	9				
	W-WKCP-08100(8)(X9)	8,0×100	50	8	9				
	W-WKCP-08120(6)(X9)	8,0×120	80	6	9				

* Product available upon request and order

PWKCS

Ø 6 | 8 | 10

Washer for countersunk head timber screw



ICC
ES

						
Ø 6	PWKCS-6	PWKCS-6-B	PWKCS-6-D	7,5	20×4	100
Ø 8	PWKCS-8(100)	PWKCS-8(100)-B	PWKCS-8(100)-D	8,5	25×5	100
Ø 10	PWKCS-10	PWKCS-10-B	PWKCS-10-D	11	32×6	50

NEW

SCREWS FOR STEEL-WOOD CONNECTIONS

WKLC, WKCR, WKCH

UNDERHEAD REINFORCEMENT

The wider diameter of the screw under the head increases the screw's shear strength.



WKLC



WKCR



WKCH



NEW CUTTING EDGE

New special design of cutting edge with added milling reduces screwing resistance by 20%. This helps to extend the life of batteries and power tools.



DOUBLE THREAD

Additional recessed second thread improve remarkably a speed of timber penetration and reaction time of first grip into the wood.



WAX COATING

With a special wax coating needed torque has been reduced significantly. This provides faster and easier installation in same time extending the battery life of power tools.

FOR STEEL-WOOD CONNECTIONS (ANGLE BRACKETS, SUPPORTS)

KLIMAS
FASTENER TECHNOLOGIES

WKCR

Ø8 | 10

Screw with a round head for steel-wood connections



WKCH

Ø6 | 8 | 10

Screw with a hexagonal head for steel-wood connections



Ø8	WKCR-08040-B	8×40	35	50
	WKCR-08050-B	8×50	45	50
	WKCR-08060-B	8×60	50	50
	WKCR-08070-B	8×70	50	50
	WKCR-08080-B	8×80	50	50
	WKCR-08100-B	8×100	50	50
	WKCR-08120-B	8×120	80	50
	WKCR-08140-B	8×140	100	50
	WKCR-08160-B	8×160	100	50
	WKCR-08180-B	8×180	100	50
Ø10	WKCR-08200-B	8×200	100	50
	WKCR-10060-B*	10×60	50	50
	WKCR-10070-B*	10×70	50	50
	WKCR-10080-B*	10×80	50	50
	WKCR-10100-B*	10×100	50	50
	WKCR-10120-B*	10×120	80	50
	WKCR-10140-B*	10×140	80	50
	WKCR-10160-B*	10×160	100	50
	WKCR-10180-B*	10×180	100	50
	WKCR-10200-B*	10×200	100	25

* Product available upon request and order

Ø6	WKCH-06050-B*	6×50	30	100
	WKCH-06060-B*	6×60	40	100
	WKCH-06070-B*	6×70	50	100
	WKCH-06080-B*	6×80	60	100
	WKCH-06100-B*	6×100	60	100
Ø8	WKCH-08040-B	8×40	35	50
	WKCH-08050-B	8×50	45	50
	WKCH-08060-B	8×60	50	50
	WKCH-08070-B	8×70	50	50
	WKCH-08080-B	8×80	50	50
	WKCH-08100-B	8×100	50	50
	WKCH-08120-B	8×120	80	50
	WKCH-08140-B	8×140	100	50
	WKCH-08160-B	8×160	100	50
	WKCH-08180-B	8×180	100	50
	WKCH-08200-B	8×200	100	50
	WKCH-08220-B	8×220	100	50
	WKCH-08240-B	8×240	100	50
	WKCH-08260-B	8×260	100	50
	WKCH-08280-B	8×280	100	50
Ø10	WKCH-08300-B	8×300	100	50
	WKCH-10060-B*	10×60	50	50
	WKCH-10070-B*	10×70	50	50
	WKCH-10080-B*	10×80	50	50
	WKCH-10100-B*	10×100	50	50
	WKCH-10120-B*	10×120	80	25
	WKCH-10140-B*	10×140	80	25
	WKCH-10160-B*	10×160	100	25
	WKCH-10180-B*	10×180	100	25
	WKCH-10200-B*	10×200	100	25
	WKCH-10220-B*	10×220	100	25
	WKCH-10240-B*	10×240	100	25
	WKCH-10260-B*	10×260	100	25
	WKCH-10280-B*	10×280	100	25
	WKCH-10300-B*	10×300	100	25
	WKCH-10320-B*	10×320	100	25
	WKCH-10340-B*	10×340	100	25
	WKCH-10360-B*	10×360	100	25
	WKCH-10380-B*	10×380	100	25
	WKCH-10400-B*	10×400	100	25

* Product available upon request and order



 WKLC

 W-WKLC

 MB-WKLC

 WI-WKLC

Ø5

Round head screws for metal plates, TX



	 Zn WHITE				
Ø5	WKLC-50030-B	5×30	22	250	32
	WKLC-50035-B	5×35	30	250	16
	WKLC-50040-B	5×40	30	250	16
	WKLC-50050-B	5×50	40	250	12
	WKLC-50060-B	5×60	50	250	12
	WKLC-50070-B	5×70	60	250	12

	 SUPER QUALITY C4 Zn CERAMIC				
Ø5	WKLC-50030-D	5×30	22	250	32
	WKLC-50035-D	5×35	30	250	16
	WKLC-50040-D	5×40	30	250	16
	WKLC-50050-D	5×50	40	250	12
	WKLC-50060-D	5×60	50	250	12
	WKLC-50070-D	5×70	60	250	12

	 Zn WHITE				
Ø5	W-WKLC-50030-B(20)(X9)	5×30	22	70	9
	W-WKLC-50035-B(20)(X9)	5×35	30	70	9
	W-WKLC-50040-B(20)(X9)	5×40	30	70	9
	W-WKLC-50050-B(20)(X9)	5×50	40	70	9
	W-WKLC-50060-B(20)(X9)	5×60	50	40	9
	W-WKLC-50070-B(20)(X9)	5×70	60	40	9

	 Zn WHITE				
Ø5	MB-WKLC-50030-B(70)(X6)	5×30	22	70	6
	MB-WKLC-50035-B(70)(X6)	5×35	30	70	6
	MB-WKLC-50040-B(70)(X6)	5×40	30	70	6
	MB-WKLC-50050-B(70)(X6)	5×50	40	70	6
	MB-WKLC-50060-B(40)(X6)	5×60	50	40	6
	MB-WKLC-50070-B(40)(X6)	5×70	60	40	6

	 Zn WHITE				
Ø5	WI-WKLC-50040-B(1000)	5×40	30	1000	1
	WI-WKLC-50050-B(1000)	5×50	40	1000	1



 **K**

Ø6 | 8 | 10 | 12

Hex head wood screw



 **Zn**
WHITE



			
Ø 6	K-06060(X5)	6,0×60	5
	K-06070(X5)	6,0×70	5
	K-06080(X5)	6,0×80	5
	K-06090(X5)	6,0×90	5
	K-06100(X5)	6,0×100	5
	K-06120(X5)	6,0×120	5
Ø 8	K-06140(X5)	6,0×140	5
	K-08060(X5)	8,0×60	5
	K-08070(X5)	8,0×70	5
	K-08080(X5)	8,0×80	5
	K-08090(X5)	8,0×90	5
	K-08100(X5)	8,0×100	5
	K-08120(X5)	8,0×120	5
	K-08140(X5)	8,0×140	5
	K-08160(X5)	8,0×160	5
	K-08180(X5)	8,0×180	5
Ø 10	K-08200(X5)	8,0×200	5
	K-10080(X5)	10×80	5
	K-10100(X5)	10×100	5
	K-10120(X5)	10×120	5
	K-10140(X5)	10×140	5
	K-10160(X5)	10×160	5
	K-10180(X5)	10×180	5
Ø 12	K-10200(X5)	10×200	5
	K-12120(X5)	12×120	5
	K-12140(X5)	12×140	5
	K-12160(X5)	12×160	5
	K-12180(X5)	12×180	5
	K-12200(X5)	12×200	5
	K-12220(X5)	12×220	5
	K-12240(X5)	12×240	5
	K-12260(X5)	12×260	5

- WKSS
- W-WKSS
- MB-WKSS
- WI-WKSS

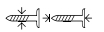
Ø6

Spacer screws, TX



Ø6	WKSS-60060-B	6×60	30	200	12
	WKSS-60070-B	6×70	40	200	8
	WKSS-60080-B	6×80	50	200	8
	WKSS-60090-B	6×90	60	100	12
	WKSS-60100-B	6×100	60	100	8
	WKSS-60110-B	6×110	60	100	8
	WKSS-60120-B	6×120	75	100	8
	WKSS-60130-B	6×130	75	100	8
	WKSS-60145-B	6×145	75	100	8
	WKSS-60160-B	6×160	75	100	8

					
Ø 6	W-WKSS-60060-B(20)(X5)	6×100	60	20	5
	W-WKSS-60070-B(20)(X5)	6×120	75	20	5
	W-WKSS-60080-B(20)(X5)	6×130	75	20	5
	W-WKSS-60090-B(20)(X5)	6×145	75	20	5
	W-WKSS-60100-B(20)(X5)	6×160	75	20	5

						
Ø6	MB-WKSS-60060-B(40)(X6)	6×60	30	40	6	
	MB-WKSS-60070-B(40)(X6)	6×70	40	40	6	
	MB-WKSS-60080-B(40)(X6)	6×80	50	40	6	
	MB-WKSS-60090-B(40)(X6)	6×90	60	40	6	
	MB-WKSS-60100-B(40)(X6)	6×100	60	40	6	
	MB-WKSS-60110-B(40)(X6)	6×110	60	40	6	
	MB-WKSS-60120-B(40)(X6)	6×120	75	40	6	
	MB-WKSS-60130-B(40)(X6)	6×130	75	40	6	
	MB-WKSS-60145-B(40)(X6)	6×145	75	40	6	
	MB-WKSS-60160-B(40)(X6)	6×160	75	40	6	

					
Ø6	WI-WKSS-60100-B(300)	6×100	60	300	1
	WI-WKSS-60120-B(300)	6×120	75	300	1
	WI-WKSS-60130-B(300)	6×130	75	300	1
	WI-WKSS-60145-B(300)	6×145	75	300	1
	WI-WKSS-60160-B(300)	6×160	75	300	1

- DW

Spacer and levelling washers



		Grubość	
DW-02(50)		2 mm	50
DW-03(50)		3 mm	50
DW-04(50)		4 mm	50
DW-05(50)		5 mm	50
DW-08(50)		8 mm	50
DW-10(50)		10 mm	50
DW-15(50)		15 mm	50

**FOR FASTENING
OVER-RAFTER INSULATION**

- WKPC

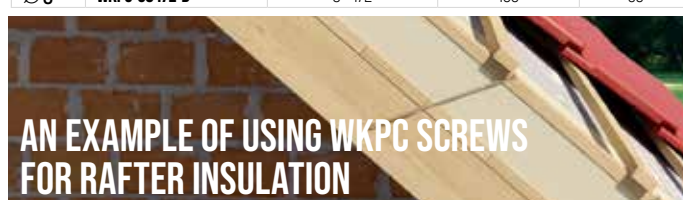
Ø8

Screws with double thread for over-rafter insulation, TX



				
Ø8	WKPC-08165-B	8×165	100	50
	WKPC-08195-B	8×195	100	50
	WKPC-08225-B	8×225	100	50
	WKPC-08235-B	8×235	100	50
	WKPC-08255-B	8×255	100	50
	WKPC-08275-B	8×275	100	50
	WKPC-08302-B	8×302	100	50
	WKPC-08335-B	8×335	100	50
	WKPC-08365-B	8×365	100	50
	WKPC-08397-B	8×397	100	50
	WKPC-08435-B	8×435	100	50
	WKPC-08472-B	8×472	100	50

Ø8	WKPC-08472-D	8×472	100	50
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**AN EXAMPLE OF USING WKPC SCREWS
FOR RAFTER INSULATION**

SCREWS FOR FASTENING CLADDINGS OF TERRACES AND FLOORS

WN / HNT / WT

Group of screws designed for wooden flooring construction and for fastening claddings of terraces. Their special design prevents wood from breaking or splitting during installation.

These products have many features that make the installation quicker. Some of them improve aesthetics of flooring, allowing for e.g. concealed fixing.



25-YEAR WARRANTY

We offer a 25-year warranty on all our floor and deck screws.



TX DRIVE

TX drive guarantees optimum torque transfer.



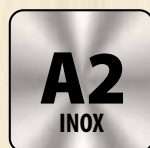
SERRATED THREAD

Special cutting notches integrated on the thread cut wood fibres structure while screwing in.



SPECIAL CUTTING POINT

Special design of cutting point enables quick initiation of screwing and prevents splitting of wooden elements



A2 STAINLESS STEEL

Greater corrosion protection.



SCREWS FOR FASTENING CLADDINGS OF TERRACES AND FLOORS

KLIMAS
FASTENER TECHNOLOGIES



WT

Ø4

Screw with countersunk head, TX



Ø4	WT-40045-A2	4,0×45	200	1200
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HNT

Ø5

Screw with cylindrical head and underhead thread, TX



Ø5	HNT-50050-A2	5,0×50	100	600
	HNT-50060-A2	5,0×60	100	600
	HNT-50070-A2	5,0×70	100	600
	HNT-50080-A2	5,0×80	100	600



WN

Ø4 | 5

Screw with cone-shaped concealed head, TX



Ø4	WN-40040-A2	4,0×40	200	1200
	WN-40045-A2	4,0×45	200	1200
	WN-40050-A2	4,0×50	200	1200
	WN-40060-A2	4,0×60	200	1200
Ø5	WN-50050-A2	5,0×50	100	600
	WN-50060-A2	5,0×60	100	600
	WN-50070-A2	5,0×70	100	600
	WN-50080-A2	5,0×80	100	600





KDH

Ø3 | 3,5 | 4 | 4,5 | 5 | 6

Hardened countersunk head wood screw with partial/full thread



				Thread	
Ø3	KDH-30012(X5)	3,0×12	12	Full	5
	KDH-30013(X5)	3,0×13	13	Full	5
	KDH-30016(X5)	3,0×16	16	Full	5
	KDH-30020(X5)	3,0×20	20	Full	5
	KDH-30025(X5)	3,0×25	25	Full	5
	KDH-30030(X5)	3,0×30	30	Full	5
	KDH-30035(X5)	3,0×35	35	Full	5
	KDH-30040(X5)	3,0×40	40	Full	5
Ø3,5	KDH-35013(X5)	3,5×13	13	Full	5
	KDH-35016(X5)	3,5×16	16	Full	5
	KDH-35020(X5)	3,5×20	20	Full	5
	KDH-35025(X5)	3,5×25	25	Full	5
	KDH-35030(X5)	3,5×30	30	Full	5
	KDH-35035(X5)	3,5×35	35	Full	5
	KDH-35040(X5)	3,5×40	40	Full	5
	KDH-35045(X5)	3,5×45	45	Full	5
Ø4	KDH-40016(X5)	4,0×16	16	Full	5
	KDH-40020(X5)	4,0×20	20	Full	5
	KDH-40025(X5)	4,0×25	25	Full	5
	KDH-40030(X5)	4,0×30	30	Full	5
	KDH-40035(X5)	4,0×35	35	Full	5
	KDH-40040(X5)	4,0×40	40	Full	5
	KDH-40045(X5)	4,0×45	45	Full	5
	KDH-40050(X5)	4,0×50	50	Full	5
Ø4,5	KDH-4005030(X5)	4,0×50	50	Full	5
	KDH-40055(X5)	4,0×55	55	Partial	5
	KDH-40060(X5)	4,0×60	60	Full	5
	KDH-4006035(X5)	4,0×60	60	Full	5
	KDH-40070(X5)	4,0×70	55	Partial	5
	KDH-45016(X5)	4,5×16	16	Full	5
	KDH-45020(X5)	4,5×20	20	Full	5
	KDH-45025(X5)	4,5×25	25	Full	5
Ø5	KDH-45030(X5)	4,5×30	30	Full	5
	KDH-45035(X5)	4,5×35	35	Full	5
	KDH-45040(X5)	4,5×40	40	Full	5
	KDH-45045(X5)	4,5×45	45	Full	5
	KDH-45050(X5)	4,5×50	50	Full	5
	KDH-45060(X5)	4,5×60	60	Full	5
	KDH-45070(X5)	4,5×70	55	Partial	5
	KDH-45080(X5)	4,5×80	55	Partial	5

				Thread	
Ø5	KDH-50020(X5)	5,0×20	20	Full	5
	KDH-50025(X5)	5,0×25	25	Full	5
	KDH-50030(X5)	5,0×30	30	Full	5
	KDH-50035(X5)	5,0×35	35	Full	5
	KDH-50040(X5)	5,0×40	40	Full	5
	KDH-50045(X5)	5,0×45	45	Full	5
	KDH-50050(X5)	5,0×50	50	Full	5
	KDH-5005030(X5)	5,0×50	50	Full	5
Ø6	KDH-60060(X5)	5,0×60	60	Partial	5
	KDH-5006035(X5)	5,0×60	60	Partial	5
	KDH-50070(X5)	5,0×70	55	Partial	5
	KDH-50080(X5)	5,0×80	55	Partial	5
	KDH-50090(X5)	5,0×90	55	Partial	5
	KDH-50100(X5)	5,0×100	55	Partial	5
	KDH-50120(X5)	5,0×120	75	Partial	5
	KDH-60040(X5)	6,0×40	40	Full	5
Ø6	KDH-60050(X5)	6,0×50	50	Full	5
	KDH-60060(X5)	6,0×60	60	Full	5
	KDH-60070(X5)	6,0×70	55	Partial	5
	KDH-60080(X5)	6,0×80	55	Partial	5
	KDH-60090(X5)	6,0×90	55	Partial	5
	KDH-60100(X5)	6,0×100	55	Partial	5
	KDH-60110(X5)	6,0×110	75	Partial	5
	KDH-60120(X5)	6,0×120	75	Partial	5
Ø6	KDH-60140(X5)	6,0×140	75	Partial	5
	KDH-60160(X5)	6,0×160	75	Partial	5
	KDH-60180(X5)	6,0×180	75	Partial	5
	KDH-60200(X5)	6,0×200	75	Partial	5



SCREWS FOR PANEL AND FURNITURE JOINTS



Ø3 | 3,5 | 4 | 4,5 | 5 | 6

Hardened countersunk head wood screw with partial/full thread



				Thread		
Ø3	KMH-30012	3,0×12	12	Full	2000	32000
	KMH-30016	3,0×16	16	Full	2000	32000
	KMH-30020	3,0×20	20	Full	2000	32000
	KMH-30025	3,0×25	25	Full	1500	24000
	KMH-30030	3,0×30	30	Full	1000	16000
	KMH-30035	3,0×35	35	Full	1000	16000
Ø3,5	KMH-30040	3,0×40	40	Full	500	8000
	KMH-35016	3,5×16	16	Full	2000	32000
	KMH-35020	3,5×20	20	Full	1500	24000
	KMH-35025	3,5×25	25	Full	1000	16000
	KMH-35030	3,5×30	30	Full	500	8000
	KMH-35035	3,5×35	35	Full	500	8000
Ø4	KMH-35040	3,5×40	40	Full	500	8000
	KMH-35045	3,5×45	45	Full	500	8000
	KMH-35050	3,5×50	50	Full	400	6400
	KMH-35060	3,5×60	60	Full	400	6400
	KMH-40016	4,0×16	16	Full	1000	16000
	KMH-40020	4,0×20	20	Full	1000	16000
Ø4,5	KMH-40025	4,0×25	25	Full	1000	16000
	KMH-40030	4,0×30	30	Full	500	8000
	KMH-40035	4,0×35	35	Full	500	8000
	KMH-40040	4,0×40	40	Full	500	8000
	KMH-40045	4,0×45	45	Full	300	4800
	KMH-40050	4,0×50	50	Full	300	4800
Ø5	KMH-40060	4,0×60	60	Full	250	4000
	KMH-40070	4,0×70	55	Partial	250	4000
	KMH-45016	4,5×16	16	Full	1000	16000
	KMH-45020	4,5×20	20	Full	1000	16000
	KMH-45025	4,5×25	25	Full	500	8000
	KMH-45030	4,5×30	30	Full	500	8000
Ø6	KMH-45035	4,5×35	35	Full	500	8000
	KMH-45040	4,5×40	40	Full	300	4800
	KMH-45045	4,5×45	45	Full	300	4800
	KMH-45050	4,5×50	50	Full	250	4000
	KMH-45060	4,5×60	60	Full	250	4000
	KMH-45070	4,5×70	55	Partial	250	4000
Ø6	KMH-45080	4,5×80	55	Partial	250	3000
	KMH-50025	5,0×25	25	Full	500	8000
	KMH-50030	5,0×30	30	Full	500	8000
	KMH-50035	5,0×35	35	Full	500	6000
	KMH-50040	5,0×40	40	Full	500	6000
	KMH-50045	5,0×45	45	Full	300	3600
Ø6	KMH-50050	5,0×50	50	Full	300	3600
	KMH-50060	5,0×60	60	Full	200	2400
	KMH-50070	5,0×70	55	Partial	200	2400
	KMH-50080	5,0×80	55	Partial	200	2400
	KMH-50090	5,0×90	55	Partial	200	2400
	KMH-50100	5,0×100	55	Partial	200	2400

				Thread		
Ø6	KMH-60060	6,0×60	60	Full	200	2400
	KMH-60070	6,0×70	55	Partial	200	2400
	KMH-60080	6,0×80	55	Partial	200	2400
	KMH-60090	6,0×90	55	Partial	100	1200
	KMH-60100	6,0×100	55	Partial	100	1200
	KMH-60110	6,0×110	75	Partial	100	1200
	KMH-60120	6,0×120	75	Partial	100	800
	KMH-60140	6,0×140	75	Partial	100	800
	KMH-60160	6,0×160	75	Partial	100	800
	KMH-60180	6,0×180	75	Partial	100	800
	KMH-60200	6,0×200	75	Partial	100	400

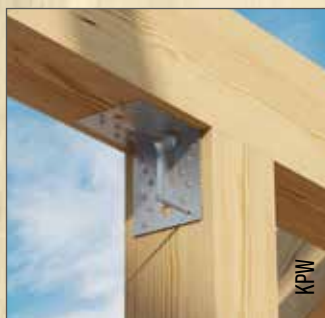
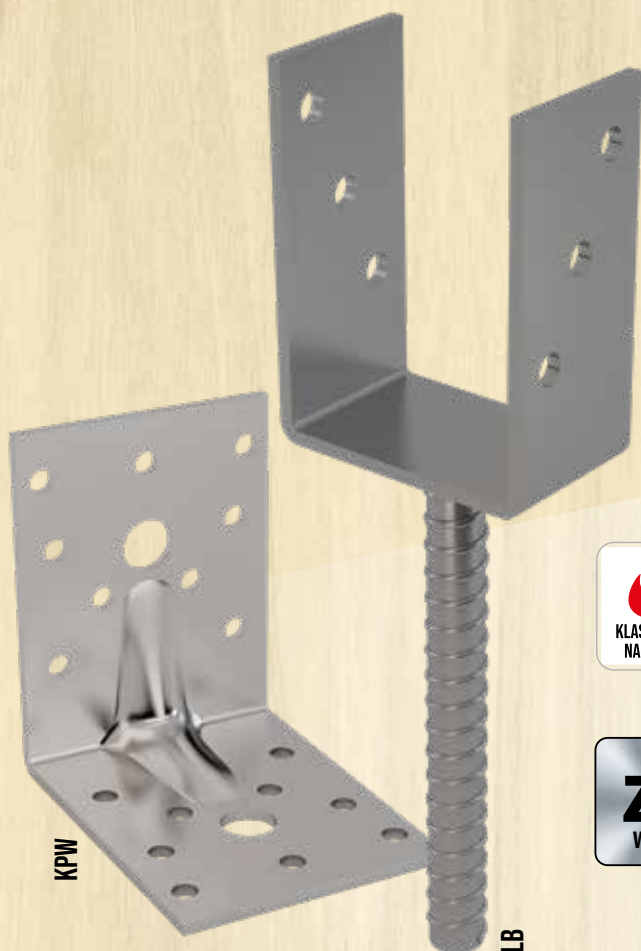
				Thread		
Ø3	BWK-30012(X10)	3,0×12	12	Full	65	10
	BWK-30016(X10)	3,0×16	16	Full	60	10
	BWK-30020(X10)	3,0×20	20	Full	60	10
	BWK-30025(X10)	3,0×25	25	Full	50	10
	BWK-30030(X10)	3,0×30	30	Full	45	10
	BWK-30035(X10)	3,0×35	35	Full	40	10
Ø3,5	BWK-30040(X10)	3,0×40	40	Full	35	10
	BWK-35016(X10)	3,5×16	16	Full	50	10
	BWK-35020(X10)	3,5×20	20	Full	45	10
	BWK-35025(X10)	3,5×25	25	Full	45	10
	BWK-35030(X10)	3,5×30	30	Full	35	10
	BWK-35035(X10)	3,5×35	35	Full	32	10
Ø4	BWK-35040(X10)	3,5×40	40	Full	30	10
	BWK-35045(X10)	3,5×45	45	Full	25	10
	BWK-35050(X10)	3,5×50	50	Full	22	10
	BWK-40016(X10)	4,0×16	16	Full	45	10
	BWK-40020(X10)	4,0×20	20	Full	40	10
	BWK-40025(X10)	4,0×25	25	Full	35	10
Ø4,5	BWK-40030(X10)	4,0×30	30	Full	32	10
	BWK-40035(X10)	4,0×35	35	Full	28	10
	BWK-40040(X10)	4,0×40	40	Full	24	10
	BWK-40045(X10)	4,0×45	45	Full	22	10
	BWK-40050(X10)	4,0×50	50	Full	20	10
	BWK-40060(X10)	4,0×60	60	Full	15	10
Ø5	BWK-40070(X10)	4,0×70	55	Partial	14	10
	BWK-45016(X10)	4,5×16	16	Full	40	10
	BWK-45020(X10)	4,5×20	20	Full	36	10
	BWK-45025(X10)	4,5×25	25	Full	32	10
	BWK-45030(X10)	4,5×30	30	Full	28	10
	BWK-45035(X10)	4,5×35	35	Full	26	10
Ø6	BWK-45040(X10)	4,5×40	40	Full	22	10
	BWK-45045(X10)	4,5×45	45	Full	20	10
	BWK-45050(X10)	4,5×50	50	Full	17	10
	BWK-45060(X10)	4,5×60	60	Full	14	10
	BWK-45070(X10)	4,5×70	55	Partial	12	10
	BWK-45080(X10)	4,5×80	55	Partial	9	10
Ø6	BWK-50025(X10)	5,0×25	25	Full	22	10
	BWK-50030(X10)	5,0×30	30	Full	20	10
	BWK-50035(X10)	5,0×35	35	Full	18	10
	BWK-50040(X10)	5,0×40	40	Full	16	10
	BWK-50045(X10)	5,0×45	45	Full	15	10
	BWK-50050(X10)	5,0×50	50	Full	12	10
Ø6	BWK-50060(X10)	5,0×60	60	Full	11	10
	BWK-50070(X10)	5,0×70	55	Partial	9	10
	BWK-50080(X10)	5,0×80	55	Partial	7	10
	BWK-60040(X10)	6,0×40	40	Partial	10	10
	BWK-60050(X10)	6,0×50	50	Partial	9	10
	BWK-60060(X10)	6,0×60	60	Partial	8	10
Ø6	BWK-60070(X10)	6,0×70	55	Partial	6	10
	BWK-60080(X10)	6,0×80	55	Partial	5	10

NOWOŚĆ

PLATES & BRACKETS FOR WOODEN STRUCTURES

KPW, LB

HIGH STRENGTH



FIRE REACTION CLASS A1

In accordance with EN 13501-1+A1:2010 and European Commission Decision 96/606/EC, our anchoring brackets are classified as non-combustible and meet the requirements of class A1.



DURABLE ZINC COATING

Zinc coatings of no less than 200 g/m² and with a thickness of no less than 14 µm.

WOODEN CONSTRUCTION CONNECTING ELEMENTS

FLAT PLATES

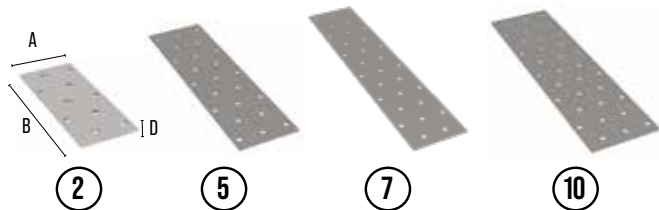
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FASTENER TECHNOLOGIES

FLAT PLATES



LP

Basic perforated plate



		A	B	D	
1	LP-01(X50)	80	40	2	50
2	LP-02(X50)	100	40	2	50
3	LP-03(X50)	120	40	2	50
4	LP-04(X50)	160	40	2	50
5	LP-06(X50)	200	50	2	50
6	LP-08(X50)	140	60	2	50
7	LP-09(X50)	160	60	2	50
8	LP-10(X50)	180	60	2	50
9	LP-11(X50)	200	60	2	50
10	LP-12(X50)	220	60	2	50
11	LP-13(X50)	240	60	2	50



		A	B	D	
12	LP-15(X50)	140	80	2	50
13	LP-17(X25)	200	80	2	25
14	LP-19(X25)	240	80	2	25
15	LP-20(X25)	300	80	2	25
16	LP-21(X25)	200	100	2	25
17	LP-23(X25)	240	100	2	25
18	LP-25(X20)	300	100	2	20
19	LP-26(X25)	240	120	2	25
20	LP-27(X25)	300	120	2	25



LPS

Special purpose plate

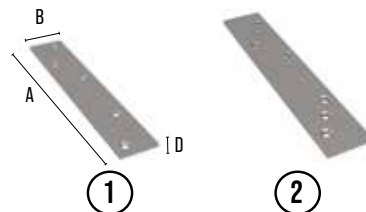


		A	B	D	
1	LPS-01(X50)	100	35	2,5	50
2	LPS-02(X50)	140	55	2,5	50
3	LPS-03(X50)	180	40	2,5	50
4	LPS-04(X50)	180	65	2,5	50
5	LPS-05(X50)	210	90	2,5	50



LG

Heavy duty plate

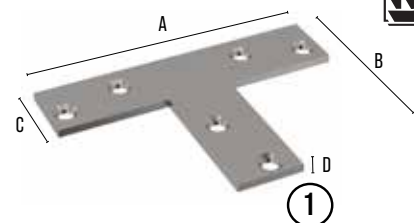


		A	B	D	
1	LG-01(X50)	170	30	2,5	50
2	LG-02(X50)	195	35	4	50



LT

T plate

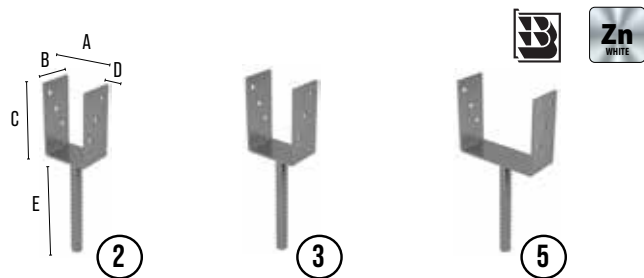


		A	B	C	D	
1	LT-01(X50)	70	50	16	2	50

POSTS BASE

LB

Post base



		A	B	C	D	E	
1	LB-01(X10)	70	60	130	5	200	10
2	LB-02(X10)	80	60	130	5	200	10
3	LB-03(X10)	90	60	130	5	200	10
4	LB-04(X10)	100	60	130	5	200	10
5	LB-05(X10)	150	60	130	5	200	10
6	LB-07(X10)	120	60	130	5	200	10
7	LB-08(X10)	140	60	130	5	200	10



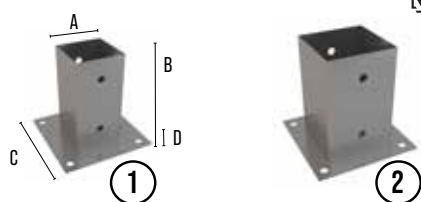
		A	B	C	D	E	
8	LB-06-0T(X10)	84	90	135	5	200	10



		A	B	C	D	E	
9	LB-09(X10)	10 + 160	60	100	5	200	10

KOP

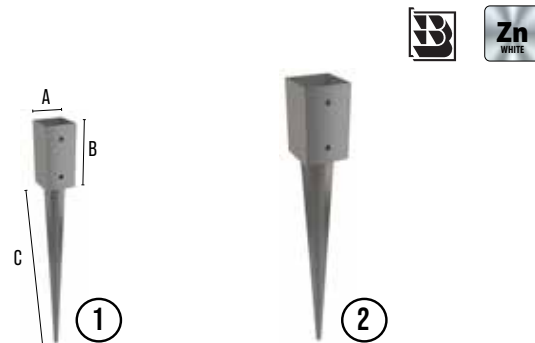
Post base



		A	B	C	D	
1	KOP-01	71	145	150	2	1
2	KOP-02	91	145	170	2	1

KOW

Post base

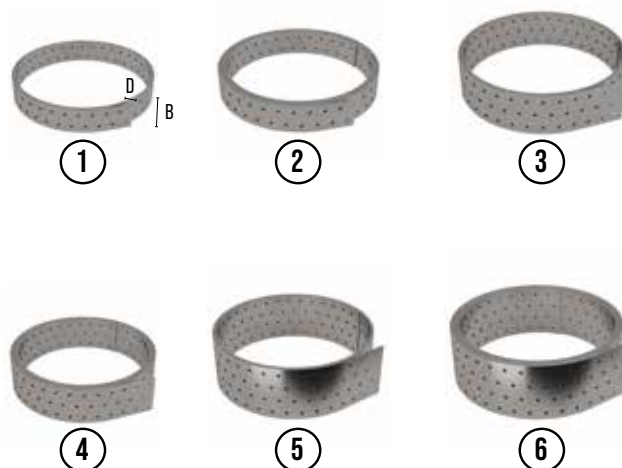


		A	B	C	D	
1	KOW-01	71	145	600	2	1
2	KOW-02	91	145	600	2	1

WIND BRACING - MOUNTING TAPES

TM

Fixing strap



		m	B	D	
1	TM-01010	10	40	2	10
2	TM-01025	25	40	2	25
3	TM-02010	10	60	2	10
4	TM-02025	25	60	2	25
5	TM-03010	10	80	2	10
6	TM-03025	25	80	2	25

WOODEN CONSTRUCTION CONNECTING ELEMENTS

JOIST HANGER, SHELF BRACKET

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JOIST HANGER



WB

Joist hanger



		A	B	C	D	E	
1	WB-03(X20)	40	99	70	2	44	20
2	WB-04(X20)	40	110	70	2	44	20
3	WB-05(X20)	40	140	70	2	44	20
4	WB-06(X20)	45	107	70	2	49	20
5	WB-27(X20)	45	137	70	2	49	20



		A	B	C	D	E	
6	WB-07(X20)	45	167	70	2	49	20
7	WB-08(X20)	48	106	70	2	52	20
8	WB-09(X20)	48	136	70	2	52	20
9	WB-28(X20)	48	166	70	2	52	20
10	WB-29(X20)	51	105	70	2	55	20
11	WB-10(X20)	51	135	70	2	55	20
12	WB-11(X20)	51	165	70	2	55	20
13	WB-12(X20)	60	100	70	2	64	20
14	WB-13(X20)	60	130	70	2	64	20
15	WB-14(X20)	60	160	70	2	64	20
16	WB-15(X20)	64	128	70	2	68	20
17	WB-16(X20)	64	158	70	2	68	20
18	WB-17(X20)	70	155	70	2	74	20
19	WB-18(X20)	70	125	70	2	74	20
20	WB-19(X20)	76	152	70	2	80	20

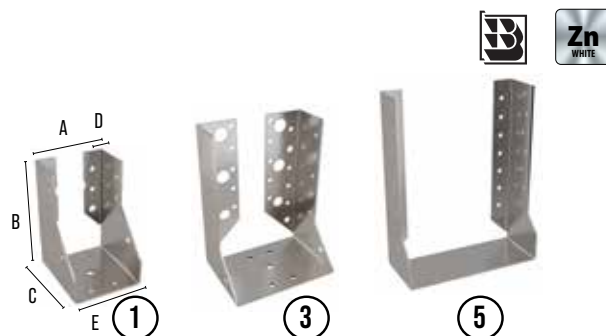


		A	B	C	D	E	
21	WB-20(X20)	76	182	70	2	80	20
22	WB-21(X20)	80	120	70	2	84	20
23	WB-23(X20)	90	145	70	2	94	20
24	WB-24(X20)	100	140	70	2	104	20
25	WB-25(X10)	120	160	60	2	124	10
26	WB-26(X10)	140	180	85	2	144	10



WBW

Internal joist hanger



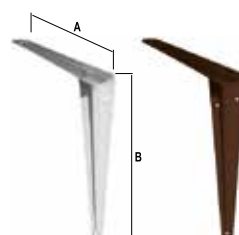
		A	B	C	D	E	
1	WBW-01(X20)	60	100	70	2	64	20
2	WBW-02(X20)	80	120	70	2	84	20
3	WBW-03(X10)	100	140	70	2	104	10
4	WBW-04(X10)	120	160	70	2	124	10
5	WBW-05(X10)	140	180	70	2	144	10

SHELF BRACKET



WP

Shelf bracket



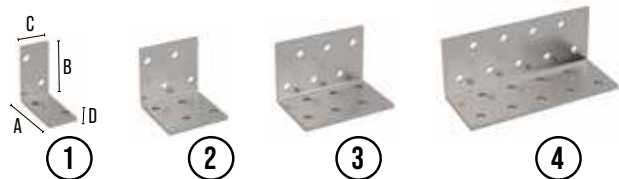
		A	B	C	
WP-01BI(X20)		75	100	□	20
WP-02BI(X20)		100	125	□	20
WP-03BI(X20)		125	150	□	20
WP-04BI(X20)		150	200	□	20
WP-05BI(X20)		175	225	□	20
WP-06BI(X20)		200	250	□	20
WP-07BI(X20)		250	300	□	20
WP-08BI(X20)		300	350	□	20
WP-09BI(X20)		350	400	□	20
WP-01BR(X20)		75	100	■	20
WP-02BR(X20)		100	125	■	20
WP-03BR(X20)		125	150	■	20
WP-04BR(X20)		150	200	■	20
WP-05BR(X20)		175	225	■	20
WP-06BR(X20)		200	250	■	20
WP-07BR(X20)		250	300	■	20
WP-08BR(X20)		300	350	■	20
WP-09BR(X20)		350	400	■	20

ANGLE BRACKETS



KP

Basic angle bracket



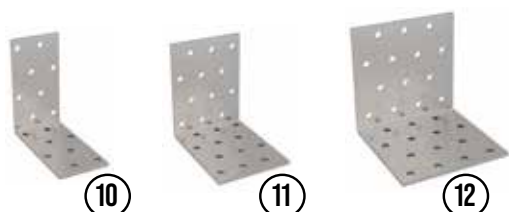
		A	B	C	D	
1	KP-01(X100)	40	40	20	2	100
2	KP-02(X50)	40	40	40	2	50
3	KP-03(X50)	40	40	60	2	50
4	KP-04(X50)	40	40	100	2	50



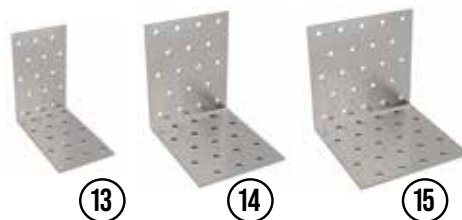
		A	B	C	D	
5	KP-05(X50)	50	50	40	2	50



		A	B	C	D	
6	KP-06(X50)	60	60	40	2	50
7	KP-07(X50)	60	60	60	2	50
8	KP-08(X50)	60	60	80	2	50
9	KP-09(X50)	60	60	100	2	50



		A	B	C	D	
10	KP-11(X50)	80	80	40	2	50
11	KP-12(X50)	80	80	60	2	50
12	KP-13(X25)	80	80	80	2	25



		A	B	C	D	
13	KP-14(X25)	100	100	60	2	25
14	KP-15(X25)	100	100	80	2	25

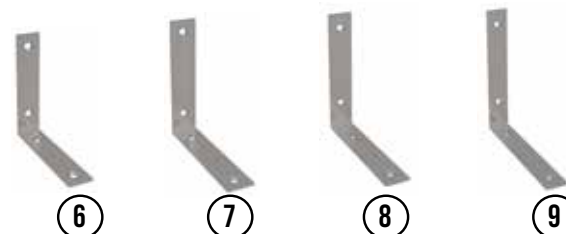


		A	B	C	D	
15	KP-16(X25)	100	100	100	2	25



KW

Narrow angle bracket



		A	B	C	D	
1	KW-01(X100)	27	27	17	2	100
2	KW-02(X100)	32	32	17	2	100
3	KW-03(X100)	42	42	17	2	100
4	KW-04(X100)	52	52	17	2	100
5	KW-05(X100)	62	62	17	2	100
6	KW-06(X100)	77	77	17	2	100
7	KW-07(X100)	92	92	20	2	100
8	KW-08(X50)	102	102	20	2	50
9	KW-09(X50)	104	104	20	4	50

ŁĄCZNIKI DO KONSTRUKCJI DREWNIANYCH

ZŁĄCZA KĄTOWE

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		A	B	C	D	
10	KB-10(X50)	122	122	20	2	50
11	KB-11(X50)	125	125	20	5	50
12	KB-12(X50)	150	150	25	5	50

KB

Joist angle bracket



		A	B	C	D	
1	KB-01(X50)	100	75	30	2,5	50
2	KB-02(X40)	100	50	50	4,0	40
3	KB-03(X20)	120	80	35	4,0	20
4	KB-04(X25)	180	120	40	5,0	25

KS

Wide angle bracket



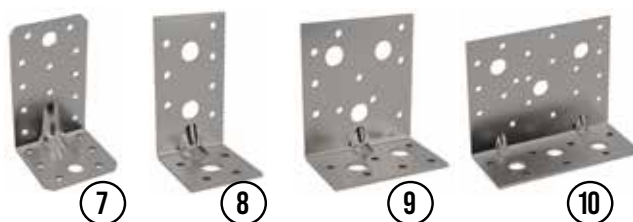
		A	B	C	D	
1	KS-01(X100)	30	32	32	2	100
2	KS-02(X100)	40	42	42	2	100
3	KS-03(X50)	60	60	60	2	50
4	KS-04(X50)	42	27	75	2	50

KPW

Reinforced angle bracket



		A	B	C	D	
1	KPW-01(X50)	72	72	55	2,5	50
2	KPW-01-S(X50)	72	72	55	2,0	50
3	KPW-03(X50)	92	92	65	2,5	50
4	KPW-03-S(X50)	92	92	65	2,0	50
5	KPW-04(X25)	105	105	90	2,5	25
6	KPW-04-S(X25)	105	105	90	2,0	25



		A	B	C	D	
7	KPW-02(X50)	93	53	55	2,5	50
8	KPW-07(X50)	93	53	48	2,5	50
9	KPW-08(X50)	88	50	76	2,5	50
10	KPW-09(X25)	93	53	116	2,5	25



		A	B	C	D	
11	KPW-10(X50)	63	63	90	2,5	50

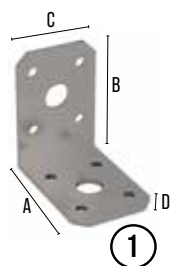


		A	B	C	D	
12	KPW-05(X50)	90	60	60	2,5	50
13	KPW-06(X50)	90	60	60	2,5	50



KL

Connecting angle bracket



1



	A	B	C	D	
1 KL-01(X100)	52	52	35	2,5	100



2



3



4



	A	B	C	D	
2 KL-02(X50)	70	70	55	2,5	50
3 KL-03(X50)	90	90	65	2,5	50
4 KL-04(X50)	105	105	90	2,5	50



5

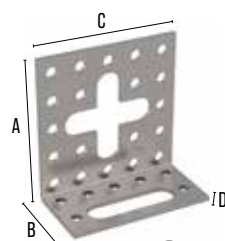


	A	B	C	D	
5 KL-05(X50)	151	51	35	2,5	50



KN

Adjustable angle bracket



1



2



3



	A	B	C	D	
1 KN-01(X50)	61	31	60	2,0	50
2 KN-02(X50)	60	40	60	2,5	50
3 KN-03(X50)	80	65	20	4,0	50

ANGLE BRACKETS FOR ANCHORING



KK

Angle bracket for anchoring



1



2



3



	A	B	C	D	
1 KK-01(X25)	42	202	40	2	25
2 KK-02(X25)	42	302	40	2	25
3 KK-03(X25)	42	402	40	2	25



4



5



	A	B	C	D	
4 KK-04(X50)	97	97	40	2	50
5 KK-05(X50)	122	97	40	2	50

WOODEN CONSTRUCTION CONNECTING ELEMENTS

OTHER CONNECTING ELEMENTS

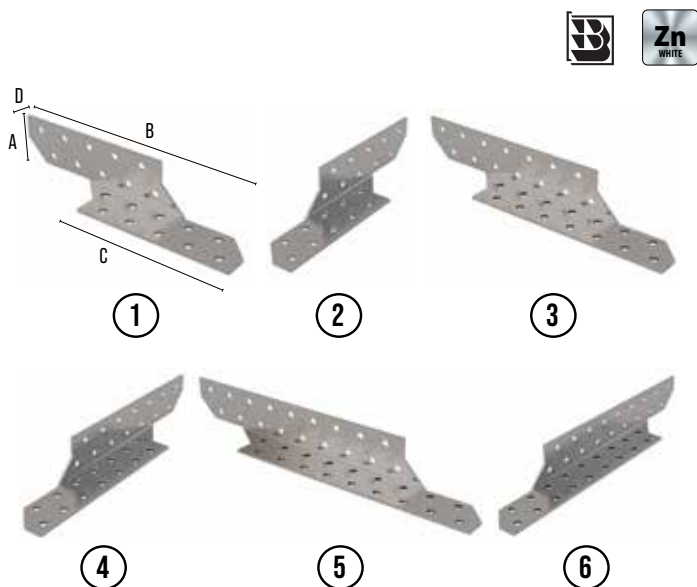
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OTHER CONNECTING ELEMENTS



LK

Rafter connecting plate



		A	B	C	D	
1	LK-01-L(X25)	32	170	100	2	25
2	LK-02-P(X25)	32	170	100	2	25
3	LK-03-L(X25)	32	210	140	2	25
4	LK-04-P(X25)	32	210	140	2	25
5	LK-05-L(X25)	32	250	180	2	25
6	LK-06-P(X25)	32	250	180	2	25



CLG

Skewable angle bracket 135°



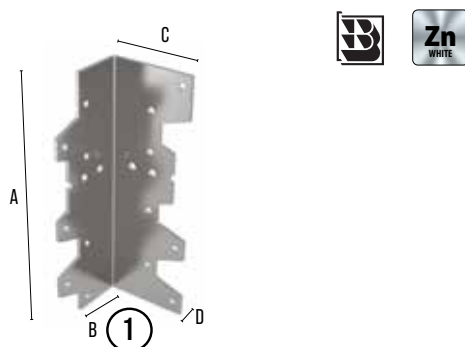
		A	B	C	D	
1	CLG-01*	50	50	35	2,5	25
2	CLG-02*	70	70	55	2,5	25
3	CLG-03*	90	90	65	2,5	25
4	CLG-04*	105	105	90	2,5	25

* Product available upon request and order



KG

Bendable angle bracket

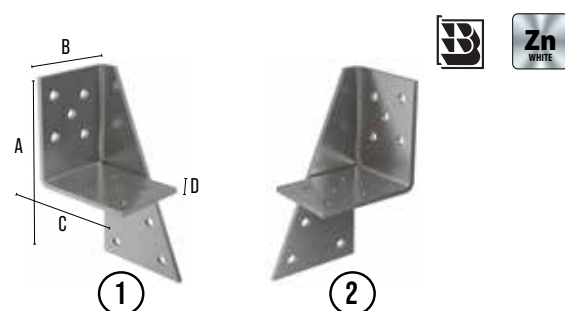


		A	B	C	D	
1	KG-01(X50)	120	27	42	2,0	50



LU

Plate for universal connections

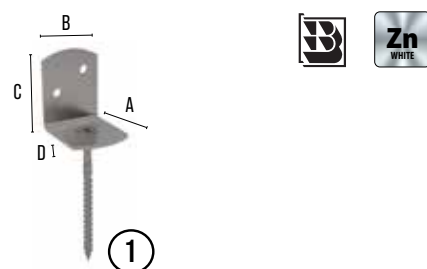


		A	B	C	D	
1	LU-01-L(X20)	100	52	42	2,5	20
2	LU-02-P(X20)	100	52	42	2,5	20



OP1W

Plate clip with screw



		A	B	C	D	
1	OP-01-W(X50)	31	30	27	2	50

GBCZ / GBOC

Ø2-8

Common polished nails



	Zn WHITE	BF BLACK FINISH		
Ø2	GBOC-20040	GBCZ-20040	2,0×40	5
Ø2,2	GBOC-22050	GBCZ-22050	2,2×50	5
Ø2,4	GBOC-24060	GBCZ-24060	2,4×60	5
Ø2,7	GBOC-27065	GBCZ-27065	2,7×65	5
Ø3	GBOC-30070	GBCZ-30070	3,0×70	5
	GBOC-30080	GBCZ-30080	3,0×80	5
Ø3,4	GBOC-34090	GBCZ-34090	3,4×90	5
Ø4,2	GBOC-42100	GBCZ-42100	4,2×100	5
Ø4,6	GBOC-46125	GBCZ-46125	4,6×125	5
Ø5	GBOC-50150	GBCZ-50150	5,0×150	5
Ø6	GBOC-60175	GBCZ-60175	6,0×175	5
	GBOC-70200	GBCZ-70200	7,0×200	5
Ø7	GBOC-70225	GBCZ-70225	7,0×225	5
	GBOC-80250	GBCZ-80250	8,0×250	5
Ø8	GBOC-80280	GBCZ-80280	8,0×280	5
	GBOC-80300	GBCZ-80300	8,0×300	5

GDCZ / GDOC

Ø1,2-1,6

Roofing nails



	Zn WHITE	BF BLACK FINISH		
Ø1,2	GDOC-12025	-	1,2×25	5
Ø1,4	GDOC-14025	GDCZ-14025	1,4×25	5
	GDOC-14030	GDCZ-14030	1,4×30	5
	GDOC-16030	-	1,6×30	5
Ø1,6	GDOC-16035	GDCZ-16035	1,6×35	5
	GDOC-16040	-	1,6×40	5

GSCZ / GSOC

Ø1,2-2

Lost head nails



	Zn WHITE		
Ø1,2	GSOC-12020	1,2×20	5
	GSOC-12025	1,2×25	5
Ø1,4	GSOC-14025	1,4×25	5
	GSOC-14030	1,4×30	5
Ø1,6	GSOC-16035	1,6×35	5
Ø1,8	GSOC-18040	1,8×40	5
Ø2,0	GSOC-20040	2,0×40	5

GPCZ / GPOC

Ø2,5-3

Clout nails



	Zn WHITE	BF BLACK FINISH		
Ø2,5	GPOC-25025	GPCZ-25025	2,5×25	5
	GPOC-25030	-	2,5×30	5
	GPOC-30020	GPCZ-30020	3,0×20	5
	GPOC-30025	GPCZ-30025	3,0×25	5
Ø3	GPOC-30030	GPCZ-30030	3,0×30	5
	GPOC-30035	GPCZ-30035	3,0×35	5
	GPOC-30040	GPCZ-30040	3,0×40	5

GSKCZ / GSKOC

Ø3,1-4,2

Twisted nails



	Zn WHITE		
Ø3,1	GSKOC-31050	3,1×50	5
	GSKOC-31060	3,1×60	5
Ø3,5	GSKOC-35070	3,5×70	5
	GSKOC-35080	3,5×80	5
Ø4,2	GSKOC-42090	4,2×90	5
	GSKOC-42100	4,2×100	5

GHWOC

Ø2,7-4,5

Hardened grooved nails



Ø2,7	GHWOC-27025	2,7×25	3
	GHWOC-27030	2,7×30	3
	GHWOC-27035	2,7×35	3
	GHWOC-27040	2,7×40	3
Ø3,5	GHWOC-35045	3,5×45	3
	GHWOC-35050	3,5×50	3
	GHWOC-35060	3,5×60	3
	GHWOC-35065	3,5×65	3
Ø4,5	GHWOC-45070	4,5×70	3
	GHWOC-45080	4,5×80	3

GPPOC

Ø2,8

Clout nails with washer



Ø2,8	GPPOC-28025	2,8×25	30	5
	GPPOC-28028	2,8×28	30	5
	GPPOC-28038	2,8×38	30	5

GWCZ / GWOC

Ø3,1-4,2

Ring nails



Ø3,1	GWOC-31050	3,1×50	5
	GWOC-35060	3,5×60	5
Ø3,5	GWOC-35070	3,5×70	5
	GWOC-35080	3,5×80	5
Ø4,2	GWOC-42090	4,2×90	5
	GWOC-42100	4,2×100	5

GCOC

Ø4

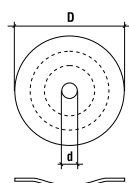
Carpentry nails



Ø4	GCOC-40040	4,0×40	5
	GCOC-40050	4,0×50	5
	GCOC-40060	4,0×60	5
	GCOC-40070	4,0×70	5
	GCOC-40080	4,0×80	5

PGP

Washers for clout nails



D [mm]

d [mm]



PGP-3	27	3,5	1
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GTOC

Ø1,8-2

Upholstery nails



Ø1,8	GTOC-18018	1,8×18	5
Ø2,0	GTOC-20020	2,0×20	5

PACKAGING

ROOFING FASTENERS



PRODUCT NAME / PACKAGING		CARTON BOX	BLISTER	MASTER BOX	BUCKET
WFD		WFD	BWFD	MB-WFD	WI-WFD
WFD0C		WFD0C	BWFD0C	MB-WFD0C	WI-WFD0C
WDD		WDD			
WSBP-T		WSBP-T			
WSBP		WSBP			
WPC		WPC	BWPC		
WPF		WPF	BWPF		
WSPC		WSPC	BWSPC		
WSDSK		WSDSK			
WSDST		WDST			

TABLE OF STANDARD RAL COLOURS for products from the WF, WSS, WSBP groups



MERCHANDISING SOLUTIONS



PIECES, BLISTERS AND CARTON BOXES



BAGS, BIG BAGS AND BUCKETS



MASTER BOX (MB)



MIXED BLISTER AND CARTON BOX SHELVES, MOBILE AND ROTATING, ENHANCED WITH NEW MASTERBOX PACKAGING, BUCKETS, AND BAGS – THIS SET WILL SATISFY THE EXPECTATIONS OF ALL CUSTOMERS, FROM CONTRACTORS AND DIY ENTHUSIASTS TO INDIVIDUAL CUSTOMERS.



CHECK:



SELF-DRILLING SCREWS WITH EPDM WASHERS

WDD / WFD0C / WFD

UV-RESISTANT PAINT COATING



SEALING WASHER WITH
EPDM



ANTI-CORROSION COATING
– GALVANIC ZINC



SELF-DRILLING TIP



WIDE RANGE
OF RAL COLORS

WFD RAL

BWFD RAL

MB-WFD RAL

WI-WFD RAL

Ø4,8

Carbon-steel self-drilling screw in RAL color with EPDM washer for fixing steel sheets and steel roof tiles in timber substrate



ETA-16/0443



		RAL colors																								
		3005	3009	3011	5005	5010	6005	6020	7016	7024	8003	8004	8017	8019	9002	9003	9005	9006	9007						9010	
Ø4,8	WFD-48025-RAL																					4,8×25	≤ 2,5	14	250	3000
	WFD-48035-RAL																					4,8×35	≤ 2,5	14	250	3000
	WFD-48055-RAL																					4,8×55	≤ 2,5	14	200	2400
	WFD-48070-RAL																					4,8×70	≤ 2,5	14	200	1600
	WFD-48080-RAL																					4,8×80	≤ 2,5	14	100	1600
	WFD-48100-RAL																					4,8×100	≤ 2,5	14	100	800

		RAL colors																							
		3005	3009	3011	5005	5010	6005	6020	7016	7024	8003	8004	8017	8019	9002	9003	9005	9006	9007						9010
Ø4.8	BWFD-48035-RAL(X9)*																				4.8×35	≤2.5	14	20	10

		RAL colors																							
		3005	3009	3011	5005	5010	6005	6020	7016	7024	8003	8004	8017	8019	9002	9003	9005	9006	9007						9010
Ø4.8	MB-WFD-48035-RAL(100)*																				4.8×35	≤2.5	14	100	6

		RAL colors																								
		3005	3009	3011	5005	5010	6005	6020	7016	7024	8003	8004	8017	8019	9002	9003	9005	9006	9007							
Ø4.8	WI-WFD-48035-RAL(650)*																				4.8×35	≤2.5	14	650	4	

WSBP RAL

Ø4,8

Carbon-steel self-drilling screw with EPDM washer for making lap joints in steel sheets. Drillability 2,5 mm



ETA-16/0443



		RAL colors																								
		3005	3009	3011	5005	5010	6005	6020	7016	7024	8003	8004	8017	8019	9002	9003	9005	9006	9007	9010			Max. effective length [mm]			
Ø 4,8	WSBP-48019-RAL																				4,8×19	≤ 2,5	1,5	14	250	3000



WFD0C

BWFD0C

MB-WFD0C

WI-WFD0C

Ø4,8

Carbon-steel self-drilling screw with EPDM washer for fixing steel sheets and steel roof tiles in timber substratet



ETA-16/0443



Ø4,8	WFD0C-48025	4,8×25	≤2,5	14	250	3000
	WFD0C-48035	4,8×35	≤2,5	14	250	3000
	WFD0C-48055	4,8×55	≤2,5	14	200	2400
	WFD0C-48070	4,8×70	≤2,5	14	200	1600
	WFD0C-48080	4,8×80	≤2,5	14	100	1600
	WFD0C-48100	4,8×100	≤2,5	14	100	800
Ø4,8	BWFD0C-48035(X9)	4,8×35	≤2,5	14	20	9
Ø4,8	MB-WFD0C-48035(100)	4,8×35	≤2,5	14	100	6
Ø4,8	WI-WFD0C-48035(650)	4,8×35	≤2,5	14	650	4

WDD

Ø4,8

Self-drilling screw with aluminum / EPDM washer for fastening sheet metal to wooden substrate



		Kolory RAL					
Ø4,8	WDD-48035-RAL	RAL 3005	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 3009	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 3011	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 5005	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 5010	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 6005	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 6020	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 7016	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 7024	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 8003	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 8004	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 8017	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 8019	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 9002	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 9003	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 9005	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 9006	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 9007	4,8×35	≤2,5	14	250	3000
	WDD-48035-RAL	RAL 9010	4,8×35	≤2,5	14	250	3000



ETA-16/0443



Ø4,8	WDD-48035	4,8×35	≤2,5	14	250	3000

WSBP

Ø4,8

Carbon-steel self-drilling screw with EPDM washer for making lap joints in steel sheets. Drillability 2,5 mm



ETA-16/0443



Ø4,8	WSBP-48016	-	4,8×16	≤2,5	14	500	6000
	WSBP-48019	WSBP-D-48019*	4,8×19	≤2,5	14	250	3000
	WSBP-48025	WSBP-D-48025*	4,8×25	≤2,5	14	250	3000

*on request and order



KLIMAS
FASTENER TECHNOLOGIES

Ø4.8



					Max. effective length [mm]				
Ø 4,8	WSBT-48019-3005		RAL 3005	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-3009		RAL 3009	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-3011		RAL 3011	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-5005		RAL 5005	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-5010		RAL 5010	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-6005		RAL 6005	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-6020		RAL 6020	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-7016		RAL 7016	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-7024		RAL 7024	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-8003		RAL 8003	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-8004		RAL 8004	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-8017		RAL 8017	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-8019		RAL 8019	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-9002		RAL 9002	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-9003		RAL 9003	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBT-48019-9005		RAL 9005	4,8×19	≤ 2,5	1,5	14	250	3000
WSBT-48019-9006		RAL 9006	4,8×19	≤ 2,5	1,5	14	250	3000	
WSBT-48019-9007		RAL 9007	4,8×19	≤ 2,5	1,5	14	250	3000	
WSBT-48019-9010		RAL 9010	4,8×19	≤ 2,5	1,5	14	250	3000	



		Max. effective length [mm]			
Ø 4.8	WSBP-T-48019	48x19 ≤ 25	1.5	14	250 3000



Ø4,2



PN-EN 145

PN-EN 14566+A1:2010



				
Ø4,2	WPC-42013	4,2×13	1000	16000
	WPC-42016	4,2×16	1000	16000
	WPC-42019	4,2×19	1000	12000
	WPC-42025	4,2×25	500	8000
	WPC-42032	4,2×32	500	6000
	WPC-42040	4,2×40	400	4800
	WPC-42050	4,2×50	300	3600
	WPC-42065	4,2×65	250	3000

				
Ø4,2	BWPC-42013(X10)	4,2×13	40	10
	BWPC-42016(X10)	4,2×16	38	10
	BWPC-42019(X10)	4,2×19	35	10
	BWPC-42025(X10)	4,2×25	30	10
	BWPC-42032(X10)	4,2×32	25	10
	BWPC-42040(X10)	4,2×40	20	10
	BWPC-42050(X10)	4,2×50	15	10
	BWPC-42065(X10)	4,2×65	12	10

Ø4,2



				
Ø4,2	WPF-42013	4,2×13	1000	16000
	WPF-42016	4,2×16	1000	16000
	WPF-42019	4,2×19	1000	12000
	WPF-42025	4,2×25	500	8000
	WPF-42032	4,2×32	500	6000
	WPF-42040	4,2×40	400	4800
	WPF-42050	4,2×50	300	3600
	WPF-42065	4,2×65	250	3000
				
Ø4,2	BWPF-42013(X10)	4,2×13	40	10
	BWPF-42016(X10)	4,2×16	38	10
	BWPF-42019(X10)	4,2×19	35	10
	BWPF-42025(X10)	4,2×25	30	10
	BWPF-42032(X10)	4,2×32	25	10
	BWPF-42040(X10)	4,2×40	20	10
	BWPF-42050(X10)	4,2×50	15	10
	BWPF-42065(X10)	4,2×65	12	10



WSPC BWSPC

Ø4,2

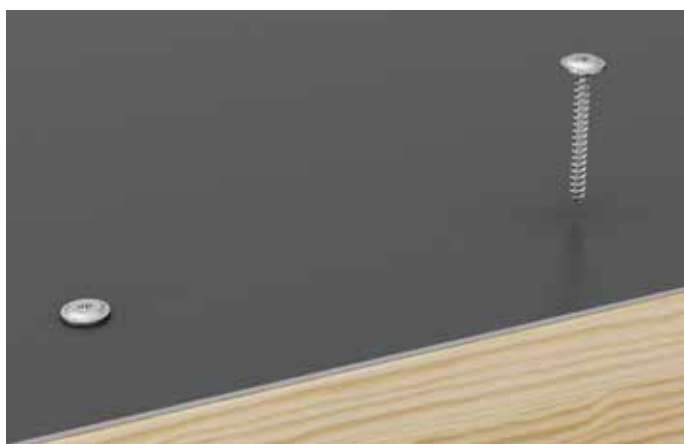
Flange head self-drilling fastener

PN-EN 14566+A1:2010



Ø4,8	WSPC-42013	4,2×13	1000	16000
	WSPC-42016	4,2×16	1000	16000
	WSPC-42019	4,2×19	1000	12000
	WSPC-42025	4,2×25	500	8000
	WSPC-42032	4,2×32	500	6000
	WSPC-42045	4,2×45	300	3600
	WSPC-42055	4,2×55	300	3600

Ø4,8	BWSPC-42013(X10)	4,2×13	35	10
	BWSPC-42016(X10)	4,2×16	30	10
	BWSPC-42019(X10)	4,2×19	28	10
	BWSPC-42025(X10)	4,2×25	25	10
	BWSPC-42032(X10)	4,2×32	22	10



WSDSK

Ø4,8 | 5,5

Self-drilling fastener for fixing timber in steel construction

ITB-KOT-2020/1057



Ø4,8	WSDSK-48032	4,8×32	500	6000
	WSDSK-48038	4,8×38	250	4000
	WSDSK-48045	4,8×45	250	3000
	WSDSK-48050	4,8×50	250	3000



Ø5,5	WSDSK-55038	5,5×38	250	4000
	WSDSK-55045	5,5×45	250	3000
	WSDSK-55050	5,5×50	250	3000



WSDST

Ø6,3

Self-drilling fastener for fixing timber in steel construction

ITB-KOT-2020/1057



Ø6,3	WSDST-63050	6,3×50	250	3000
	WSDST-63060	6,3×60	200	2400
	WSDST-63070	6,3×70	200	2400



MORE
ONLINE

FIXING SYSTEMS FOR LIGHTWEIGHT ROOF AND WALL CLADDING



SELF-DRILLING FASTENER WITH EPDM WASHER FOR FIXING SANDWICH PANELS IN STEEL CONSTRUCTION

WSW-6 / WSW-12



SELF-DRILLING TIP

Ability of drilling plates of thickness up to 6 mm (WSW-6) or 12 mm (WSW-12), short time of fixing.



EPDM WASHER

It seals and secures the connection from corrosion.



HEX HEAD SW-8

WK feature at head of the screw facilitates the identification of our company as the producer and easy recognition of the product.



ANTI-CORROSION COATING – SQ CERAMIC

The damage-resistant, multi-layer aluminum-zinc ceramic coating allows the screws to be used in environments with higher corrosiveness categories [C1 to C4].

WSW-12



EUROPEAN TECHNICAL ASSESSMENT
ETA-16/0444

FASTENING SYSTEM FOR LIGHTWEIGHT ROOF AND WALL CLADDING

KLIMAS

FASTENER TECHNOLOGIES

WSW-6

Ø 5,5

Self-drilling fastener with EPDM washer for fixing sandwich panels in steel construction



ETA-16/0444



WSW-12

Ø 5,5

Self-drilling fastener with EPDM washer for fixing sandwich panels in steel construction

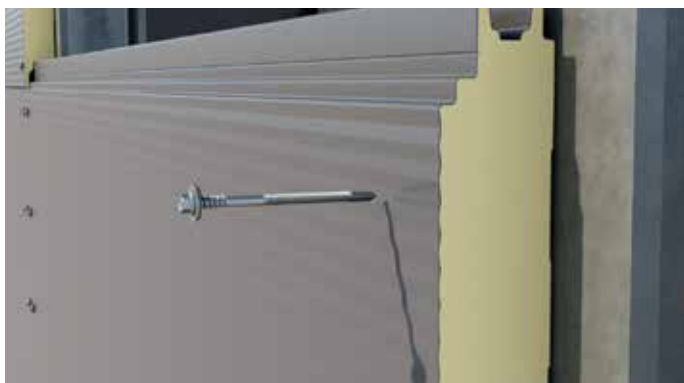


ETA-16/0444



				Thickness of connected elements [mm]			
Ø 5,5	WSW-6-55065-A19	5,5×65	≤ 6	20-45	19	100	1200
	WSW-6-55085-A19	5,5×85	≤ 6	40-65	19	100	1200
	WSW-6-55105-A19	5,5×105	≤ 6	60-85	19	100	800
	WSW-6-55125-A19	5,5×125	≤ 6	60-105	19	100	800
	WSW-6-55150-A19	5,5×150	≤ 6	85-130	19	100	800
	WSW-6-55175-A19	5,5×175	≤ 6	110-155	19	100	400
	WSW-6-55200-A19	5,5×200	≤ 6	135-180	19	100	400
	WSW-6-55225-A19	5,5×225	≤ 6	160-205	19	100	400
	WSW-6-55275-A19	5,5×275	≤ 6	210-255	19	100	400
	WSW-6-55335-A19	5,5×335	≤ 6	270-315	19	100	400

				Thickness of connected elements [mm]			
Ø 5,5	WSW-12-55095-A19	5,5×95	≤ 12	50-65	19	100	800
	WSW-12-55115-A19	5,5×115	≤ 12	70-85	19	100	800
	WSW-12-55135-A19	5,5×135	≤ 12	70-105	19	100	400
	WSW-12-55155-A19	5,5×155	≤ 12	90-125	19	100	400
	WSW-12-55175-A19	5,5×175	≤ 12	110-145	19	100	400
	WSW-12-55195-A19	5,5×195	≤ 12	130-165	19	100	400
	WSW-12-55235-A19	5,5×235	≤ 12	170-205	19	100	400
	WSW-12-55285-A19	5,5×285	≤ 12	220-255	19	100	400



WB6P-D

Ø6,3

Self-tapping fastener with EPDM washer for fixing sandwich panels to concrete and timber



concrete: ITB-KOT-2020/1057
wood: ETA-16/0443



Ø6,3							
	WB6P-D-63045-A19	6,3×45	15	19	250	2000	
	WB6P-D-63055-A19	6,3×55	15	19	250	2000	

Self-tapping fastener with EPDM washer for fixing sandwich panels to concrete and timber



concrete: ITB-KOT-2019/0915
wood: ETA-16/0444



Ø6,3			Thickness of connected elements [mm]				
	WB6P-D-63085-A19	6,3×85	40-50	19	100	800	
	WB6P-D-63095-A19	6,3×95	50-60	19	100	800	
	WB6P-D-63115-A19	6,3×115	70-80	19	100	800	
	WB6P-D-63135-A19	6,3×135	90-100	19	100	800	
	WB6P-D-63155-A19	6,3×155	110-120	19	100	400	
	WB6P-D-63185-A19	6,3×185	140-150	19	100	400	
	WB6P-D-63205-A19	6,3×205	150-170	19	100	400	
	WB6P-D-63235-A19	6,3×235	180-200	19	100	400	
	WB6P-D-63255-A19	6,3×255	200-220	19	100	400	

WB6-D

Ø6,3

Self-tapping fastener for concrete substrates



concrete: ITB-KOT-2020/1057
wood: ETA-16/0443



Ø6,3			Thickness of connected elements [mm]	
	WB6-63035-D	6,3×35	5	250
	WB6-63045-D	6,3×45	15	250
	WB6-63055-D	6,3×55	25	250

WS BWS

Ø4,2 | 4,8 | 5,5 | 6,3

Self-drilling fastener for fixing steel sheets in steel construction.
Drillability do 7 mm



ETA-16/0443



		Zn WHITE	SUPER QUALITY SQ CERAMIC	A2 INOX		Max. effective length [mm]		
Ø4,2	WS-42016	-	-	-	4,2×16	≤ 2	1	500 8000
	WS-42019	WS-D-42019*	-	-	4,2×19	≤ 2	7	500 8000
	WS-42025	WS-D-42025*	-	-	4,2×25	≤ 2	14	500 8000
	WS-48016	-	-	-	4,8×16	≤ 3	5	500 8000
Ø4,8	WS-48019	-	A2-WS-48019*	-	4,8×19	≤ 3	9	500 8000
	WS-48025	-	-	-	4,8×25	≤ 3	14	500 6000
	WS-48032	-	-	-	4,8×32	≤ 3	21	500 6000
	WS-55019	-	A2-WS-55019*	-	5,5×19	≤ 5	4	500 8000
	WS-55025	WS-D-55025*	A2-WS-55025*	-	5,5×25	≤ 5	10	500 6000
	WS-55032	-	-	-	5,5×32	≤ 5	17	500 6000
	WS-55038	-	-	-	5,5×38	≤ 5	23	250 4000
Ø5,5	WS-55045	-	-	-	5,5×45	≤ 5	30	250 3000
	WS-55050	-	-	-	5,5×50	≤ 5	35	250 3000
	WS-55060	-	-	-	5,5×60	≤ 5	45	250 3000
	WS-55075	-	-	-	5,5×75	≤ 5	60	200 2400
	WS-55090	-	-	-	5,5×90	≤ 5	75	100 1200
	WS-55120	-	-	-	5,5×120	≤ 5	105	100 800
Ø6,3	WS-63019	-	-	-	6,3×19	≤ 7	4	250 4000
	WS-63025	-	-	-	6,3×25	≤ 7	10	250 4000
	WS-63032	-	-	-	6,3×32	≤ 7	17	250 4000
	WS-63038	-	-	-	6,3×38	≤ 7	23	200 3200
	WS-63100	-	-	-	6,3×100	≤ 7	85	100 800

KLIMAS
FASTENER TECHNOLOGIES

* Product available upon request and order.

Ø4.8



ETA-16/0443



* Product available upon request and order



Ø5,5



ETA-16/0443



ETA-16/0443



* Product available upon request and order



FASTENING SYSTEM FOR LIGHTWEIGHT ROOF AND WALL CLADDING

WSBP / WF

POSSIBILITY OF PAINTING ACCORDING TO RAL PALETTE

Permanent colour adjusted to roof covering, resistant to UV radiation and atmospheric conditions.

WSBP

SELF-DRILLING TIP

Ability of drilling plates of thickness up to 2,5 mm [WSBP], short time of fixing.

EPDM WASHER

It seals and secures the connection from corrosion.

HEX HEAD SW-8

WK feature at head of the screw facilitates the identification of our company as the producer and easy recognition of the product.

WF

FASTENING SYSTEM FOR LIGHTWEIGHT ROOF AND WALL CLADDING

KLIMAS

FASTENER TECHNOLOGIES

WSBP RAL

Ø4,8

Carbon-steel self-drilling screw with EPDM washer for making lap joints in steel sheets. Drillability 2,5 mm



ETA-16/0443



Ø4,8				Max. effective length			
	WSBP-48019-RAL*	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBP-48025-RAL	4,8×25	≤ 2,5	2,5	14	250	3000

WSBP-T

Ø4,8

Self-drilling screw for making lap joints in steel sheets, TX



Ø4,8	WSBP-T-48019	4,8×19	≤ 2,5	Max. effective length [mm]	14	250	3000
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WSBP

Ø4,8

Carbon-steel self-drilling screw with EPDM washer for making lap joints in steel sheets. Drillability 2,5 mm



ETA-16/0443



Ø4,8	WSBP-48016	-	4,8×16	≤ 2,5	Max. effective length	14	500	6000
	WSBP-48019	WSBP-D-48019**	4,8×19	≤ 2,5	1,5	14	250	3000
	WSBP-48025	WSBP-D-48025**	4,8×25	≤ 2,5	2,5	14	250	3000

*OTHER SKU AND COLORS WSBP

See more at page 101

**on request and order

Ø4,8	WSBP-T-48019-RAL	4,8×19	≤ 2,5	Max. effective length [mm]	14	250	3000
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TABLE OF STANDARD RAL COLOURS for products from the group WF, WSS, WSBP



Other colors according to the RAL palette - production and deadline determined individually

Please note: The colors shown in the print are for illustration purposes only and may differ from the original.

Pricing inquiries: export@wkret-met.com



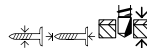
WF

Ø4,8 | 5,5 | 6,3

Self-drilling fastener with EPDM washer for fixing steel sheets in steel construction



ETA-16/0443



Max. effective length [mm]



Ø	Product	Length	Max. effective length [mm]	Weight [kg]	Weight [kg]
Ø4,8	WF-48019-RAL(250)	4,8×19	≤3	4	14
	WF-48025-RAL(250)	4,8×25	≤3	10	14
	WF-48035-RAL(250)	4,8×35	≤3	17	14
Ø5,5	WF-55019-RAL(250)	5,5×19	≤5	1	16
	WF-55025-RAL(250)	5,5×25	≤5	7	16
	WF-55032-RAL(250)	5,5×32	≤5	14	16
	WF-55045-RAL(250)	5,5×45	≤5	27	16
	WF-55050-RAL(250)	5,5×50	≤5	32	16
Ø6,3	WF-63019-RAL(250)	6,3×19	≤7	1	19
	WF-63025-RAL(250)	6,3×25	≤7	7	19
	WF-63032-RAL(250)	6,3×32	≤7	14	19
	WF-63038-RAL(250)	6,3×38	≤7	20	19



Max. effective length [mm]



Ø	Product	Length	Max. effective length [mm]	Weight [kg]	Weight [kg]
Ø4,8	WF-D-48019-A14	4,8×19	≤3	4	14
	WF-D-48025-A14	4,8×25	≤3	10	14
	WF-D-55025-A16	5,5×25	≤5	7	16
Ø5,5	WF-D-55038-A16	5,5×38	≤5	20	16
	WF-D-55050-A16	5,5×50	≤5	32	16



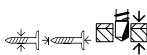
WFOC

Ø4,8 | 5,5 | 6,3

Self-drilling fastener with EPDM washer for fixing steel sheets in steel construction. Drillability do 7 mm



ETA-16/0443



Max. effective length [mm]



Ø	Product	Length	Max. effective length [mm]	Weight [kg]	Weight [kg]
Ø4,8	WFOC-48016	4,8×16	≤3	1	14
	WFOC-48019	4,8×19	≤3	4	14
	WFOC-48025	4,8×25	≤3	10	14
	WFOC-48035	4,8×35	≤3	17	14
Ø5,5	WFOC-55019	5,5×19	≤5	1	16
	WFOC-55025	5,5×25	≤5	7	16
	WFOC-55032	5,5×32	≤5	14	16
	WFOC-55038	5,5×38	≤5	20	16
	WFOC-55045	5,5×45	≤5	27	16
	WFOC-55050	5,5×50	≤5	32	16
	WFOC-55060	5,5×60	≤5	42	16
	WFOC-55075	5,5×75	≤5	57	16
	WFOC-63025	6,3×25	≤7	7	19
	WFOC-63032	6,3×32	≤7	14	19



NAS, NASS



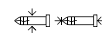
NASM

Ø3,2 | 4 | 4,8

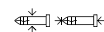
Blind rivets



Zn/Al



Ø	Product	Length	Weight [kg]
Ø3,2	NAS-32006	3,2×6	5
	NAS-32008	3,2×8	5
	NAS-32010	3,2×10	5
	NAS-32012	3,2×12	5
	NAS-32014	3,2×14	5
	NAS-32016	3,2×16	5
Ø4,0	NAS-40006	4,0×6	5
	NAS-40008	4,0×8	5
	NAS-40010	4,0×10	5
	NAS-40012	4,0×12	5
	NAS-40014	4,0×14	5
	NAS-40016	4,0×16	5
	NAS-40018	4,0×18	5
	NAS-40020	4,0×20	5
	NAS-40022	4,0×22	5
	NAS-40024	4,0×24	5
Ø4,8	NAS-48008	4,8×8	5
	NAS-48010	4,8×10	5
	NAS-48012	4,8×12	5
	NAS-48014	4,8×14	5
	NAS-48016	4,8×16	5
	NAS-48018	4,8×18	5
	NAS-48020	4,8×20	5
	NAS-48024	4,8×24	5
	NAS-48024	4,8×24	5
	NAS-48030	4,8×30	5



Ø	Product	Length	Weight [kg]	Weight [kg]
Ø3,2	NASS-32006	3,2×6	1000	16000
	NASS-32008	3,2×8	1000	16000
	NASS-32010	3,2×10	1000	16000
	NASS-32012	3,2×12	1000	12000
	NASS-32016	3,2×14	1000	12000
Ø4	NASS-40006	4,0×6	1000	12000
	NASS-40008	4,0×8	1000	12000
	NASS-40010	4,0×10	1000	12000
	NASS-40012	4,0×12	500	8000
	NASS-40014	4,0×14	500	8000
	NASS-40016	4,0×16	500	8000
	NASS-40020	4,0×20	500	6000
	NASS-48008	4,8×8	500	8000
	NASS-48010	4,8×10	500	8000
	NASS-48012	4,8×12	500	6000
Ø4,8	NASS-48014	4,8×14	500	6000
	NASS-48016	4,8×16	500	6000
	NASS-48018	4,8×18	500	6000
	NASS-48020	4,8×20	500	4000
	NASS-48024	4,8×24	500	4000

FASTENING SYSTEM FOR LIGHTWEIGHT ROOF AND WALL CLADDING

KLIMAS
FASTENER TECHNOLOGIES

Ø 3,2	NASM-32006	3,2×6	50	1000
	NASM-32008	3,2×8	50	1000
	NASM-32010	3,2×10	50	1000
	NASM-32012	3,2×12	50	1000
	NASM-32014	3,2×14	50	1000
Ø 4	NASM-40006	4,0×6	50	1000
	NASM-40008	4,0×8	50	1000
	NASM-40010	4,0×10	50	1000
	NASM-40012	4,0×12	50	1000
	NASM-40014	4,0×14	50	1000
	NASM-40016	4,0×16	50	1000
	NASM-40018	4,0×18	50	1000
	NASM-40020	4,0×20	50	1000
	NASM-40022	4,0×22	50	1000
	NASM-48008	4,8×8	50	1000
Ø 4,8	NASM-48010	4,8×10	50	1000
	NASM-48012	4,8×12	50	1000
	NASM-48014	4,8×14	50	1000
	NASM-48016	4,8×16	50	1000
	NASM-48018	4,8×18	50	1000
	NASM-48020	4,8×20	50	1000
	NASM-48024	4,8×24	50	1000

ACCESSORIES

PEPDM

Ø 14-19

EPDM washer



Ø 14	PEPDM-14	4,8	14	500	8000
Ø 16	PEPDM-16	5,5	16	500	8000
Ø 19	PEPDM-19	6,3	19	500	6000

WSW-KAP

Covering cap



WSW-KAP	SW-8	9010	100	1000	

H-A

Steinbohrer SDS



Ø 5	H-A782406	5,0×160	110 mm	1
	H-A782407	5,0×210	160 mm	1
	H-A782408	5,0×260	210 mm	1
	H-A782409	5,0×310	260 mm	1
	H-A782400	5,0×465	400 mm	1

SD4

Betonbohrer (SDS)



Ø 5	SD4-05110	5,0×110	60	1



WM

Socked wrench bit WM



WM-06050	SW 6 / 50	1
WM-08050	SW 8 / 50	1
WM-10050	SW 10 / 50	1
WM-13050	SW 13 / 50	1



PH-S2

PH screwdriver bits



PH-S2-01025	PH-1 / 25	10
PH-S2-01050	PH-1 / 50	10
PH-S2-02025	PH-2 / 25	10
PH-S2-02050	PH-2 / 50	10
PH-S2-02110	PH-2 / 110	10
PH-S2-02160	PH-2 / 160	10
PH-S2-02250	PH-2 / 250	10
PH-S2-02350	PH-2 / 350	10
PH-S2-03025	PH-3 / 25	10
PH-S2-03050	PH-3 / 50	10

TX-S2

TX screwdriver bits



TX-30S2	TX-30 / 25	5
TX-30S2-160	TX-30 / 160	1
TX-30S2-250	TX-30 / 250	1
TX-30S2-350	TX-30 / 350	1



MORE
ONLINE

FASTENERS FOR FLAT ROOF THERMAL INSULATION AND WATERPROOFING SYSTEM

Wkręt-met
KLIMAS

Członek
Stowarzyszenia



DAFA
www.dafa.com.pl

FASTENERS FOR FLAT ROOF THERMAL INSULATION AND WATERPROOFING SYSTEM

NEW STRONGER LINO

Plastic sleeve for fixing thermal and waterproofing insulation
on flat roofs: LINO 13, LINO K 13

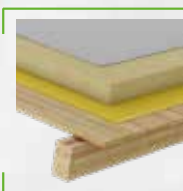
- NEW FASTENER DESIGN
- MORE SECURE - AXIAL SCREW GRIP
- INCREASED FLEXIBILITY OF THE PLATE-SLEEVE CONNECTION
- THICKER CONNECTOR PLATE FOR MORE SECURE THERMAL INSULATION GRIP

LINO 13 PP / LINO K 13 PP

WE COMPLETE THE SLEEVES WITH SCREWS*

*on request and order

Example applications



FASTENERS FOR FLAT ROOF THERMAL INSULATION AND WATERPROOFING SYSTEM

KLIMAS

FASTENER TECHNOLOGIES

LINO K 13

Ø 13

Ø 13 plastic sleeve NYLON



ETA-15/0578



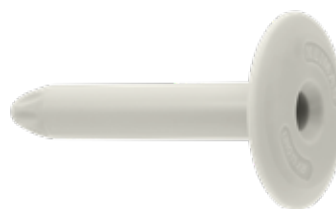
LINO 13

Ø 13

Ø 13 plastic sleeve NYLON



ETA-15/0578



Ø 13	LINOK13035PP(200)	13×35	200	100
	LINOK13055PP(200)	13×55	200	100
	LINOK13085PP(200)	13×85	200	80
	LINOK13105PP(200)	13×105	200	80
	LINOK13135PP(200)	13×135	200	64
	LINOK13155PP(200)	13×155	200	48
	LINOK13185PP(200)	13×185	200	40
	LINOK13235PP(100)	13×235	100	40
	LINOK13285PP(100)	13×285	100	40

Ø 13	LINO13035PP(200)	13×35	200	100
	LINO13055PP(200)	13×55	200	100
	LINO13085PP(200)	13×85	200	80
	LINO13105PP(200)	13×105	200	80
	LINO13135PP(200)	13×135	200	64
	LINO13155PP(200)	13×155	200	48
	LINO13185PP(200)	13×185	200	48
	LINO13235PP(100)	13×235	100	40
	LINO13285PP(100)	13×285	100	40

WSR-T

Ø 4,8

Self-drilling fastener for profiled roof sheets of 0,5 - 1,25 mm thickness



0,5 - 1,25 mm



ETA-15/0578



Ø 4,8	WSR-T-48040-D(100)	4,8×40	100	3200
	WSR-T-48050-D(100)	4,8×50	100	3200
	WSR-T-48060-D(100)	4,8×60	100	1600
	WSR-T-48070-D(100)	4,8×70	100	1600
	WSR-T-48080-D(100)	4,8×80	100	1200
	WSR-T-48090-D(100)	4,8×90	100	1200
	WSR-T-48100-D(100)	4,8×100	100	1200
	WSR-T-48120-D(100)	4,8×120	100	800
	WSR-T-48140-D(100)	4,8×140	100	800
	WSR-T-48160-D(100)	4,8×160	100	800
	WSR-T-48180-D(100)	4,8×180	100	800
	WSR-T-48200-D(100)	4,8×200	100	400
	WSR-T-48220-D(100)	4,8×220	100	400
	WSR-T-48240-D(100)	4,8×240	100	400
	WSR-T-48260-D(100)	4,8×260	100	400
	WSR-T-48300-D(100)	4,8×300	100	500

WDB-T

Ø 4,8

Self-tapping fastener for profiled roof sheets of 0,50 - 0,75 mm in thickness and wooden substrate



0,50 - 0,75 mm



ETA-15/0578



Ø 4,8	WDB-T-48040-D(100)	4,8×40	100	3200
	WDB-T-48050-D(100)	4,8×50	100	1600
	WDB-T-48060-D(100)	4,8×60	100	1600
	WDB-T-48070-D(100)	4,8×70	100	1600
	WDB-T-48080-D(100)	4,8×80	100	1200
	WDB-T-48090-D(100)	4,8×90	100	1600
	WDB-T-48100-D(100)	4,8×100	100	1200
	WDB-T-48120-D(100)	4,8×120	100	1200
	WDB-T-48140-D(100)	4,8×140	100	800
	WDB-T-48160-D(100)	4,8×160	100	800
	WDB-T-48180-D(100)	4,8×180	100	800
	WDB-T-48200-D(100)	4,8×200	100	400
	WDB-T-48220-D(100)	4,8×220	100	400
	WDB-T-48240-D(100)	4,8×240	100	400

Ø 13



ETA-15/0578



				
Ø 13	LINO15035PP(200)	15×35	200	100
	LINO15055PP(200)	15×55	200	96
	LINO15085PP(200)	15×85	200	80
	LINO15105PP(200)	15×105	200	80
	LINO15135PP(200)	15×135	200	64
	LINO15155PP(200)	15×155	200	48
	LINO15185PP(200)	15×185	200	40
	LINO15235PP(100)	15×235	100	40
	LINO15285PP(100)	15×285	100	40
	LINO15335PP(100)	15×335	100	40
	LINO15385PP(100)	15×385	100	40
	LINO15435PP(100)	15×435	100	32

Ø 6.3



ETA-15/0578



				
Ø6,3	WBSW-63060-D	6,3×60	100	1600
	WBSW-63070-D	6,3×70	100	1200
	WBSW-63080-D	6,3×80	100	1200
	WBSW-63090-D	6,3×90	100	1200
	WBSW-63100-D	6,3×100	100	1200
	WBSW-63120-D	6,3×120	100	800
	WBSW-63140-D	6,3×140	100	800
	WBSW-63160-D	6,3×160	100	800
	WBSW-63180-D	6,3×180	100	800
	WBSW-63200-D	6,3×200	100	400
	WBSW-63220-D	6,3×220	100	400
	WBSW-63240-D	6,3×240	100	400
WBSW-63300-D	6,3×300	100	400	

Ø 6.3



ETA-15/0578



				
Ø 6,3	WB6-63035-D	6,3×35	250	3000
	WB6-63045-D	6,3×45	250	3000
	WB6-63055-D	6,3×55	250	3000

Ø 6 | 8



ETA-15/0578



				
Ø6	SMN-06050	6,0×50	3,9×55	200
Ø8	SMN-08060	8,0×60	4,9×65	100

Ø8



ETA-15/0578



			
Ø8	KNX-08050	8.0×50	400
			1600

FASTENERS FOR FLAT ROOF THERMAL INSULATION AND WATERPROOFING SYSTEM

KLIMAS
FASTENER TECHNOLOGIES

FBZ

Vapour barrier foil



CE



FBZ-0250	2 m×50 mb×1,05 m
FBZ-0250-30	2 m×50 mb×1,05 m

WASHERS

KD

Steel washers - oval



ETA-15/0578



Grubość



Ø70/ Ø5	KD-01	0,6 mm	200
Ø40/ Ø5	KD-04-W-5	1,0 mm	200
Ø50/ Ø5	KD-05	1,0 mm	200
Ø70/ Ø6,5	KD-07-WW	0,9 mm	200



ETA-15/0578



Grubość



Ø5	KD-03-W-5	80×40	1 mm	200
Ø5,5	KD-03-P	80×40	1 mm	200
Ø7	KD-03-W-7	80×40	1 mm	200
Ø7	KD-03-WW-7	80×40	1 mm	200



Grubość



Ø5	KD-07L	80×40	1 mm	50
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Pricing inquiries: export@wkret-met.com

TECHNICAL SUPPORT

AT EACH STATE OF INVESTMENT



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TECHNICAL ADVICE AND ENGINEERING SUPPORT ON THE JOBSITE

PULL-OUT TESTS

ASSISTANCE WITH SELECTION OF FASTENERS

ACCESSORIES

PH-S2 / TX-S2

Driver bit PH-2



Box	Length	File
PH-S2-02110	PH-2 / 110 mm	1
PH-S2-02160	PH-2 / 160 mm	1
PH-S2-02250	PH-2 / 250 mm	1
PH-S2-02350	PH-2 / 350 mm	1



Box	Length	Wrench	File
TX-20S2-160	TX-20 / 160 mm	WDB-T, WSR-T	1
TX-20S2-250	TX-20 / 250 mm	WDB-T, WSR-T	1
TX-20S2-350	TX-20 / 350 mm	WDB-T, WSR-T	1
TX-30S2-160	TX-30 / 160 mm	WBSW	1
TX-30S2-250	TX-30 / 250 mm	WBSW	1
TX-30S2-350	TX-30 / 350 mm	WBSW	1

WM

Socked wrench SW-8



Box	Length	File
WM-08050	SW 8 / 50	1

DWS-500

Drill extension with wedge for WSDP



Box	Length	File
DWS-500	500 mm	1

DWB-400 M6

Extension for M6 bits



DWB-400-M6	M6 / 400 mm	1
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TX20-S2 M6 / TX30-S2 M6 / PH2-S2 M6

Bits M6 for extension DWB-400 M6



TX20-S2M6	M6 / 30 mm	5
TX30-S2M6	M6 / 30 mm	5
PH2-S2M6	M6 / 30 mm	5

H-A

Drill bits for concrete type SDS Ø 5,0 mm



Box	Diameter	Length	File
H-A782406	5,0 mm	160 mm / 110 mm	1
H-A782407	5,0 mm	210 mm / 160 mm	1
H-A782408	5,0 mm	260 mm / 210 mm	1
H-A782409	5,0 mm	310 mm / 260 mm	1
H-A782400	5,0 mm	465 mm / 400 mm	1

WSDP

Drill for DWS-500 extension - 5,0 mm



WSDP-05100	5,0	100 mm / 50 mm	1
WSDP-05160	5,0	160 mm / 100 mm	1



MORE
ONLINE

SCREWS AND FASTENERS FOR WINDOWS AND DOORS

SCREWS FOR WINDOWS AND DOORS

WPCV-R / WSPCV-R

100% QUALITY CONTROL

Additional guarantee of parameter repeatability. We test dimensions such as length, core diameter, thread diameter, head size, socket design, thread pitch and length, drill bit, etc.

WPCV-B-R

CORRECT THREAD PITCH AND LENGTH

WPCV-R - Proper thread design ensures correct installation in PVC window frames.

SHARP TIP

WPCV-R - The pointed tip facilitates and speeds up screw installation.

SHARP SELF-DRILLING TIP

WSPCV-R - A special self-drilling tip facilitates and significantly speeds up installation in steel elements.

WSPCV-B

WPCV-R

Ø4

Screw with ribs for fittings, PH



Ø4	WPCV-R-40016(2000)OP	4,0×16	2000	24000
	WPCV-R-40020(2000)OP	4,0×20	2000	16000
	WPCV-R-40022(2000)OP	4,0×22	2000	16000
	WPCV-R-40025(2000)OP	4,0×25	2000	16000
	WPCV-R-40030(2000)OP	4,0×30	2000	16000
	WPCV-R-40035(2000)OP	4,0×35	2000	12000
	WPCV-R-40040(1000)OP	4,0×40	1000	12000
	WPCV-R-40045(1000)OP	4,0×45	1000	8000
	WPCV-R-40050(1000)OP	4,0×50	1000	8000
	WPCV-R-40055(1000)OP	4,0×55	1000	6000

WSPCV

Ø3,9

Self-drilling screw without ribs for fittings and steel reinforcement, PH



Ø3,9	WSPCV-39013(2000)OP	3,9×13	2000	32000
	WSPCV-39016(2000)OP	3,9×16	2000	24000
	WSPCV-39019(2000)OP	3,9×19	2000	24000
	WSPCV-39025(2000)OP	3,9×25	2000	16000
	WSPCV-39032(1000)OP	3,9×32	1000	12000
	WSPCV-39040(1000)OP	3,9×40	1000	8000
	WSPCV-39045(1000)OP	3,9×45	1000	8000
Ø4,2	WSPCV-39050(1000)OP	3,9×50	1000	6000
	WSPCV-42055035(500)OP	4,2×55	500	4000

WSPCV-R

Ø3,9

Self-drilling screw without ribs for fittings and steel reinforcement, PH



Ø3,9	WSPCV-R-39016(2000)OP	3,9×16	2000	24000
	WSPCV-R-39019(2000)OP	3,9×19	2000	24000
	WSPCV-R-39025(2000)OP	3,9×19	2000	16000
	WSPCV-R-39032(1000)OP	3,9×32	1000	12000
	WSPCV-R-39040(1000)OP	3,9×40	1000	8000



WSDSK

Ø4,8 | 5,5

Self-drilling screw for fixing timber in steel substrate - 3 mm



ITB-KOT-2020/1057



Ø4,8	WSDSK-48032	4,8×32	500	6000
	WSDSK-48038	4,8×38	250	4000
	WSDSK-48045	4,8×45	250	3000
	WSDSK-48050	4,8×50	250	3000
Ø5,5	WSDSK-55038	5,5×38	250	4000
	WSDSK-55045	5,5×45	250	3000
	WSDSK-55050	5,5×50	250	3000

WSPC

BWSPC

Ø4,2

Flange head zinc plated screw



PN-EN 14566-A1:2010



Ø4,2	WSPC-42013	4,2×13	1000	16000
	WSPC-42016	4,2×16	1000	16000
	WSPC-42019	4,2×19	1000	12000
	WSPC-42025	4,2×25	500	8000
	WSPC-42032	4,2×32	500	6000
	WSPC-42045	4,2×45	300	3600
	WSPC-42055	4,2×55	300	3600
Ø4,2	BWSPC-42013(X10)	4,2×13	35	10
	BWSPC-42016(X10)	4,2×16	30	10
	BWSPC-42019(X10)	4,2×19	28	10
	BWSPC-42025(X10)	4,2×25	25	10
	BWSPC-42032(X10)	4,2×32	22	10

WSDST

Ø6,3

Self-drilling screw for fixing timber in steel substrate - 7 mm



ITB-KOT-2020/1057

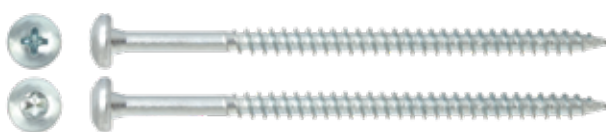


Ø6,3	WSDST-63050	6,3×50	250	3000
	WSDST-63060	6,3×60	200	2400
	WSDST-63070	6,3×70	200	2400

WBWT / WBWK

Ø5

Pan head sheet metal screw, TX



Ø5	WBWT-50090	5,0×90	200	2400
	WBWK-50090	5,0×90	200	2400

WHO

WHO-E

Ø7,5

Frame screw with flat head



Ø7,5	WHO-75042	7,5×42	200	2400
	WHO-75062	7,5×62	200	2400
	WHO-75082	7,5×82	100	1200
	WHO-75102	7,5×102	100	1200
	WHO-75112	7,5×112	100	1200
	WHO-75132	7,5×132	100	800
	WHO-75152	7,5×152	100	800
	WHO-75182	7,5×182	100	800
	WHO-75212	7,5×212	100	400

Ø7,5	WHO-75112-E	7,5×112	1	1200
	WHO-75132-E	7,5×132	1	800
	WHO-75152-E	7,5×152	1	800
	WHO-75182-E	7,5×182	1	800

WHOW

Ø7,5

Frame screw with cylindrical head



Ø7,5	WHOW-75042	7,5×42	200	2400
	WHOW-75062	7,5×62	200	2400
	WHOW-75082	7,5×82	100	1200
	WHOW-75102	7,5×102	100	1200
	WHOW-75112	7,5×112	100	1200
	WHOW-75132	7,5×132	100	800
	WHOW-75152	7,5×152	100	800
	WHOW-75182	7,5×182	100	800
	WHOW-75212	7,5×212	100	400

LO

BLO

LO-E

Ø10

Metal frame anchor



Ø10	LO-10072	10×72	6,0×87	100
	LO-10092	10×92	6,0×107	100
	LO-10112	10×112	6,0×127	100
	LO-10132	10×132	6,0×147	100
	LO-10152	10×152	6,0×167	100
	LO-10182	10×182	6,0×197	50
	LO-10202	10×202	6,0×217	50
				200

Ø10	LO-10072-E	10×72	6,0×87	1
	LO-10092-E	10×92	6,0×107	1
	LO-10112-E	10×112	6,0×127	1
	LO-10132-E	10×132	6,0×147	1
	LO-10152-E	10×152	6,0×167	1
	LO-10182-E	10×182	6,0×197	1
	LO-10202-E	10×202	6,0×217	1
				200

Ø10	BLO-10072	10×72	6,0×87	5
	BLO-10092	10×92	6,0×107	5
	BLO-10112	10×112	6,0×127	4



Z

Caps for metal frame fixings



Ø16	ZB-BI	□	16	100
	ZB-BR	■	16	100
	ZB-CZ	■	16	100
	ZB-SZ	■	16	100



MORE
ONLINE

DRYWALL FASTENER SYSTEMS

PACKAGING

DRYWALL FASTENER SYSTEMS



PRODUCT NAME / PACKAGING		CARTON BOX	LABELLED PIECE	BLISTER	SMALL / MEDIUM BAGS	MASTER BOX	BUCKET
KGD		KGD/KSGD		BGD	W-KMGD	MB-KGD	
KGM		KGM/KSGM		BGM	W-KMGM	MB-KGM	
KSGP		KSGP					
KSSG		KSSG/KMSG		BSG			
KSTEX		KSTEX/KMTEX		BTEX			
KTGM		KTGM					
MOL		MOL		BMOL	W-MOL		
MHP		MHP		BMHP			
MHS		MHS		BMHS			
MHO		MHO		BMHO			
M		M		BM			
M-C		M-C		BMC			
GKK		GKK		BWK			
GKW		GKW		BGK	W-GKW		
DRZN-29		DRZN-29		BDRZN-29			
DRN-23		DRN-23		BDRN-23	W-DRN-23		

MERCHANDISING SOLUTIONS



PIECES, BLISTERS AND CARTON BOXES



BAGS, BIG BAGS AND BUCKETS



MASTER BOX (MB)



MIXED BLISTER AND CARTON BOX SHELVES, MOBILE AND ROTATING, ENHANCED WITH NEW MASTERBOX PACKAGING, BUCKETS, AND BAGS – THIS SET WILL SATISFY THE EXPECTATIONS OF ALL CUSTOMERS, FROM CONTRACTORS AND DIY ENTHUSIASTS TO INDIVIDUAL CUSTOMERS.



CHECK:



DRYWALL FASTENER SYSTEMS

KGD / KSGD / KMGD / KGM / KSGM / KMGM

PULL-OUT

RESISTANCE

Higher pull-out resistance compared to the requirements of standard.



PH-2 DRIVE

One of the commonest drives provides for installation with the use of impact torsion bits.



COUNTER-SUNK HEAD

Countersunk head ensures flush fitting of the screw in the installed member.



SHORT SCREWING TIME

Special profile of thread to reduce screwing time to a minimum: 2.5-time shorter screwing time compared to the requirements of standard.

KGD / KSGD / KMGD

KSGG / KMSG

 KGD, KSGD

 W-KMGD

 BGD

 MB-KGD

Ø3,5 | 4,2 | 4,8

Drywall to wood screw



 KGM, KSGM

 W-KMGM

 BGM

 MB-KGM

Ø3,5 | 4,2 | 4,8

Drywall to metal screw



			
Ø3,5	KGD-35025	3,5×25	10
	KGD-35035	3,5×35	10
	KGD-35045	3,5×45	10
	KGD-35055	3,5×55	10
Ø4,2	KGD-42070	4,2×70	10
	KGD-42090	4,2×90	10
Ø4,8	KGD-48100	4,8×100	10
	KGD-48120	4,8×120	10

			
Ø3,5	KGM-35025	3,5×25	10
	KGM-35035	3,5×35	10
	KGM-35045	3,5×45	10
	KGM-35055	3,5×55	10
Ø4,2	KGM-42070	4,2×70	10
	KGM-42090	4,2×90	10
Ø4,8	KGM-48100	4,8×100	10
	KGM-48120	4,8×120	10

				
Ø3,5	KSGD-35025	3,5×25	1000	12000
	KSGD-35035	3,5×35	1000	12000
	KSGD-35045	3,5×45	500	6000
	KSGD-35055	3,5×55	500	6000
Ø4,2	KSGD-42070	4,2×70	250	3000
	KSGD-42090	4,2×90	250	3000
Ø4,8	KSGD-48100	4,8×100	200	2400
	KSGD-48120	4,8×120	200	1600

				
Ø3,5	KSGM-35025	3,5×25	1000	12000
	KSGM-35035	3,5×35	1000	12000
	KSGM-35045	3,5×45	500	6000
	KSGM-35055	3,5×55	500	6000
Ø4,2	KSGM-42070	4,2×70	250	3000
	KSGM-42090	4,2×90	250	3000
Ø4,8	KSGM-48100	4,8×100	200	2400
	KSGM-48120	4,8×120	200	1600

				
Ø3,5	BGD-35025(X9)	3,5×25	100	9
	BGD-35035(X9)	3,5×35	100	9
	BGD-35045(X9)	3,5×45	50	9
	BGD-35055(X9)	3,5×55	50	9
Ø4,2	BGD-42070(X9)	4,2×70	50	9
	BGD-42090(X9)	4,2×90	25	9
Ø4,8	BGD-48100(X9)	4,8×100	15	9
	BGD-48120(X9)	4,8×120	15	9

				
Ø3,5	BGM-35025(X9)	3,5×25	100	9
	BGM-35035(X9)	3,5×35	100	9
	BGM-35045(X9)	3,5×45	50	9
	BGM-35055(X9)	3,5×55	50	9
Ø4,2	BGM-42070(X9)	4,2×70	50	9
	BGM-42090(X9)	4,2×90	25	9
Ø4,8	BGM-48100(X9)	4,8×100	15	9
	BGM-48120(X9)	4,8×120	15	9

				
Ø3,5	W-KMGD-35025(200)(X12)	3,5×25	200	6000
	W-KMGD-35035(200)(X10)	3,5×35	200	6000
	W-KMGD-35045(100)(X12)	3,5×45	100	3000
	W-KMGD-35055(100)(X10)	3,5×55	100	2000
Ø4,2	W-KMGD-42070(50)(X14)	4,2×70	50	1500
	W-KMGD-42090(50)(X16)	4,2×90	50	1500
Ø4,8	W-KMGD-48100(25)(X24)	4,8×100	25	750
	W-KMGD-48120(25)(X24)	4,8×120	25	750

				
Ø3,5	W-KMGM-35025(200)(X12)	3,5×25	200	2400
	W-KMGM-35035(200)(X10)	3,5×35	200	2000
	W-KMGM-35045(100)(X12)	3,5×45	100	1200
	W-KMGM-35055(100)(X10)	3,5×55	100	1000
Ø4,2	W-KMGM-42070(50)(X14)	4,2×70	50	700
	W-KMGM-42090(50)(X16)	4,2×90	50	800
Ø4,8	W-KMGM-48100(25)(X24)	4,8×100	25	600
	W-KMGM-48120(25)(X24)	4,8×120	25	600

				
Ø3,5	MB-KGD-35025	3,5×25	1 kg*	6 kg
	MB-KGD-35035	3,5×35	1 kg*	6 kg
	MB-KGD-35045	3,5×45	1 kg*	6 kg
	MB-KGD-35055	3,5×55	1 kg*	6 kg
Ø4,2	MB-KGD-42070	4,2×70	1 kg*	6 kg

				
Ø3,5	MB-KGM-35025	3,5×25	1 kg*	6 kg
	MB-KGM-35035	3,5×35	1 kg*	6 kg

*1kg - 590 pcs.

KSSG

W-KMSG

BSG

Ø3,5

Drywall to steel self-drilling screw



Ø 3,5				
	KSSG-35025	3,5×25	1000	12000
	KSSG-35035	3,5×35	1000	12000
	KSSG-35045	3,5×45	500	6000
Ø 3,5				
	BSG-35025(X9)	3,5×25	100	9
	BSG-35035(X9)	3,5×35	50	9
	BSG-35045(X9)	3,5×45	50	9
Ø 3,5				
	W-KMSG-35025(200)(X12)	3,5×25	200	2400
	W-KMSG-35035(100)(X10)	3,5×35	100	1000
	W-KMSG-35045(100)(X12)	3,5×45	100	1200

KTGM

Ø3,5

Screws for fastening plasterboard to steel substrate on tape



Ø 3,5				ilość wkrętów na taśmie
	KTGM-35025	3,5×25	1000	50
	KTGM-35035	3,5×35	1000	50

KSGP

Ø5

Screws for panel-panel connections



Ø 3,5			
	KSGP-50035	5×35	500

KSTEX

W-KMTEX

BTEX

Ø3,5

Tex self-drilling screw



KSTEX-35095
KMTEX-35095

KSTEX-35095-B
KMTEX-35095-B



Ø 3,5				
	KSTEX-35095	3,5×9,5	1000	32000
	KSTEX-35095-B*	3,5×9,5	1000	32000
Ø 3,5				
	BTEX-35095(X9)	3,5×9,5	200	9
	BTEX-35095-B(X9)*	3,5×9,5	200	9
Ø 3,5				
	W-KMTEX-35095(500)(X14)	3,5×9,5	500	7000
	W-KMTEX-35095-B(500)(X14)	3,5×9,5	500	7000

* white zinc

CONNECTORS THREE-DIMENSIONAL METAL – SUSPENSION

KLIMAS
FASTENER TECHNOLOGIES

ES

Bracket for CD 60/27 sections



ES-60-75-08	0,80	100
ESP-60-125-08	0,80	100

ZPP

One-side transverse connector for CD 60/27 sections



ZPP-08	0,80	100
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ESP

Bracket for CD 60/27 sections



ESP-60-75-08	0,80	100
ESP-60-125-08	0,80	100
ESP-60-175-08	0,80	100
ESP-60-225-08	0,80	100

ZK

Cross bracket for CD 60/27 sections



ZK-8	0,80	100
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ZPD

Longitudinal connector for CD 60/27 sections



ZPD	0,60	100
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WK

Rafter tie plate



WK-60-60-08
WK-60-270-08

0,80
0,80

100
100

WDH

Double hanger



WDH

0,70

100

PM

Fastening pin



PM-25
PM-50
PM-75
PM-100
PM-150
PM-200

250
500
750
1000
1500
2000

100
100
100
100
100
100

WSO

Bracket for CD 60/27 sections



WSO-60-100-08

0,80

100



PLUGS AND ANCHORS FOR ATTACHING DRYWALL

KLIMAS
FASTENER TECHNOLOGIES

 **MOL**
 **BMOL**

M4 | M5 | M6

"MOLLY" steel anchor



 **MHP**
 **BMHP**

M4 | M5

"MOLLY" steel anchor with straight hook



					
M4	MOL-04025	M4×25	2 - 6	100	3200
	MOL-04038	M4×38	6 - 12	100	1600
	MOL-04045	M4×45	13 - 16	100	1600
	MOL-04052	M4×52	20 - 24	100	1600
	MOL-04065	M4×65	27 - 33	100	1600
	MOL-04071	M4×71	33 - 39	100	1600
M5	MOL-05045	M5×45	6 - 12	100	1600
	MOL-05058	M5×58	12 - 16	50	800
	MOL-05071	M5×71	24 - 32	50	800
	MOL-05088	M5×88	38 - 45	50	800
M6	MOL-06045	M6×45	7 - 12	50	800
	MOL-06058	M6×58	10 - 16	50	800
	MOL-06071	M6×71	24 - 32	50	600
	MOL-06088	M6×88	38 - 45	50	600

					
M4	MHP-04032	M4×38	6 - 12	100	1600
M5	MHP-05052	M5×58	12 - 16	50	600

					
M4	BMHP-04032(X10)	M4×38	6 - 12	4	10
M5	BMHP-05052(X10)	M5×58	12 - 16	3	10

					
M4	BMOL-04025(X10)	M4×25	2 - 6	6	10
	BMOL-04038(X10)	M4×38	6 - 12	6	10
	BMOL-04045(X10)	M4×45	13 - 16	5	10
	BMOL-04052(X10)	M4×52	20 - 24	5	10
	BMOL-04065(X10)	M4×65	27 - 33	4	10
	BMOL-05045(X10)	M5×45	6 - 12	4	10
M5	BMOL-05058(X10)	M5×58	12 - 16	4	10
	BMOL-05071(X10)	M5×71	24 - 32	3	10
	BMOL-06045(X10)	M6×45	7 - 12	3	10
M6	BMOL-06058(X10)	M6×58	10 - 16	3	10

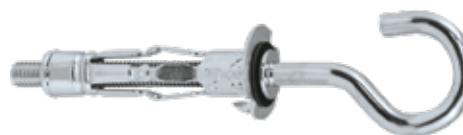
					
M4	W-MOL-04038	M4×38	6 - 12	50	20
	W-MOL-04045	M4×45	13 - 16	50	18



 **MHS**
 **BMHS**

M4

"MOLLY" steel anchor with hook



					
M4	MHS-04032	M4×38	6 - 12	100	1600

					
M4	BMHS-04032(X10)	M4×38	6 - 12	4	10

MHO BMHO

M4

"MOLLY" steel anchor with eye hook



M4	MHO-04032	M4×38	6 - 12	100	1600

M4	BMHO-04032(X10)	M4×38	6 - 12	4	10

HT

"MOLLY" anchor setting tool



HT-1	1	40	

DRZN-29 BDRZN-29

Plasterboard "DRIVA" ZN-AL plug



DRZN-29	29	200	2400

BDRZN-29	29	8	10

DRN-23 W-DRN-23 BDRN-23

Plasterboard "DRIVA" plug



DRN-23	23	200	3200

BDRN-23(X10)	23	20	10

W-DRN-23	23	50	22
W-DRN-23-KMH35030	23; 3,5×30	50	22
W-DRN-23-KDR-HP(16)(X20)	23; 4,0×40	16	30
W-DRN23-KDR-WHPS3530(20)	23; 3,5×30	4	40

KDR

"DRIVA" plug tip



KDR	1	1450	

GKK

Ø 10

Plasterboard plugs



Ø 10 GKK	10×50	200	800

PLUGS AND ANCHORS FOR ATTACHING DRYWALL

 **GKW**
 **W-GKW**
 **BGK**

Ø10

Plasterboard plugs with screws



					
Ø10	GKW	10×50	3,5×60	100	800
Ø10	BGK-10(X9)	10×50	3,5×60	7	9
Ø10	W-GKW	10×50	3,5×60	30	15

 **M-C**
 **BMC**

M4 | M5

Toggle anchor with round hook

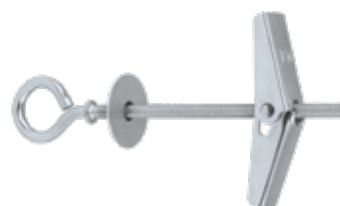


				
M4	M-04050-C	M4×50	50	400
	M-04075-C	M4×75	50	400
M5	M-05075-C	M5×75	25	200
	M-05090-C	M5×90	25	200
				
M4	BM-04050-C(X10)	M4×50	2	10
	BM-04075-C(X9)	M4×75	2	9
M5	BM-05075-C(X9)	M5×75	2	9
	BM-05090-C(X9)	M5×90	2	9

 **M-0**
 **BMO**

M4 | M5

Toggle anchor with eye hook



				
M4	M-04050-0	M4×50	50	400
	M-04075-0	M4×75	50	400
M5	M-05075-0	M5×75	25	200
	M-05090-0	M5×90	25	200
				
M4	BM-04050-0(X10)	M4×50	2	10
	BM-04075-0(X10)	M4×75	2	18
M5	BM-05075-0(X10)	M5×75	2	9
	BM-05090-0(X9)	M5×90	2	9

 **M**
 **BM**

M4 | M5

Toggle anchor



				
M4	M-04050	M4×50	50	400
	M-04075	M4×75	50	400
M5	M-05075	M5×75	25	200
	M-05090	M5×90	25	200
				
M4	BM-04050(X10)	M4×50	2	10
	BM-04075(X10)	M4×75	2	10
M5	BM-05075(X10)	M5×75	2	10
	BM-05090(X10)	M5×90	2	9



TFIB-M

Mold-resistant drywall self-adhesive fibreglass tape



TFIB-P

Adhesive fibreglass tape, 30% thinner



TFIB-04890-M



48 mm×90 mb



1



12



TFIB-04890-P



48 mm×90 mb



1



12

TFIB

Self-adhesive fibreglass tape, classic



TFIB-X

Highly self-adhesive fibreglass tape



TFIZ

Interfacing tape



TFIB-04820



48 mm×20 mb



1



24

TFIB-04845

48 mm×45 mb

1

24

TFIB-04890

48 mm×90 mb

1

24

TFIB-10090

100 mm×90 mb

1

12

TFIB-15025

150 mm×25 mb

1

1

TFIB/15025

150 mm×25 mb

1

12



TFIB-04890-X



48 mm×90 mb



1



12



TFIZ-05025



50 mm×25 mb



1



100



MORE
ONLINE

CONSTRUCTION
CHEMICALS

FOAMS

PMPG-65-900

Professional low expansion gun foam



- ✓ Wide application temperature range – reliable performance in varying jobsite conditions.
- ✓ Excellent adhesion to most construction substrates
- ✓ Fast curing for efficient workflow and reduced installation time
- ✓ Consistent, dense foam structure ensuring uniform expansion and reliable sealing.
- ✓ Enhanced thermal and acoustic performance for improved building insulation.



PMPF-750

Fire retardant gun foam



- ✓ Fire Reaction Classification: B-s2, d₀
- ✓ Enhanced thermal and acoustic insulation for improved building comfort
- ✓ High-quality, uniform foam structure ensuring reliable performance
- ✓ Strong adhesion to typical construction substrates
- ✓ High output efficiency for fast and economical application



PMPL-900-65L

Professional high-performance gun foam



- ✓ Innovative Applicator Design
- ✓ High foam output – up to 65 litres for efficient and economical application
- ✓ Excellent adhesion to a wide range of construction materials
- ✓ Short curing time enabling faster project completion
- ✓ Strong thermal and acoustic performance to enhance building comfort



	[°C]		
PMPG-65-900(X12)	-15°C ÷ +30°C	880 ml	12

	[°C]		
PMPF-750(X12)	+5°C ÷ +30°C	750 ml	12

	[°C]		
PMPL-900-65L(X12)	+5°C ÷ +30°C	880 ml	12

PMWWS-750

Multi-weather straw foam, low pressure



- ✓ Excellent adhesion ensuring reliable bonding on common construction substrates
- ✓ Superior foam structure for optimal insulation and long-lasting performance
- ✓ Short curing time enabling faster continuation of installation works
- ✓ Ideal for filling gaps during the installation of window and door joinery



PMWL-750

Professional gun foam



- ✓ High output ensuring efficient coverage and reduced material consumption
- ✓ Excellent foam structure for optimal insulation performance and durability
- ✓ Very good adhesion to most construction substrates
- ✓ Innovative applicator comfortable and controlled dispensing
- ✓ Suitable for filling all types of openings and penetrations in building partitions



PMWL-700

Premium straw foam, low pressure



- ✓ Universal straw-applied foam for a wide range of installation and sealing tasks
- ✓ Innovative flexible applicator enabling precise dosing in hard-to-reach areas
- ✓ Reduced can volume for improved handling, portability and quick on-site use



	[°C]		
PMWWS-750(X12)	-10°C ÷ +30°C	750 ml	12

	[°C]		
PMWL-750(X12)	+5°C ÷ +30°C	750 ml	12

	[°C]		
PMWL-700(X12)	+5°C ÷ +30°C	700 ml	12

PMPPLE-750

Professional low expansion gun foam



- ✓ Very low post-expansion, ensuring precise application without deformation of building elements
- ✓ High yield for efficient filling and sealing
- ✓ Excellent foam structure providing uniform density and stability
- ✓ Very good adhesion to typical construction substrates
- ✓ Short curing time for faster installation progress
- ✓ Good acoustic and thermal performance supporting effective insulation in building

	[° C]		
PMPPLE-750(X12)	-10°C ÷ +30°C	750 ml	12

PMPL-750

Professional gun foam



- ✓ Universal Gun Foam
- ✓ For filling all types of gaps and penetrations in building partitions
- ✓ Wide application temperature range, ensuring reliable performance in various conditions
- ✓ Noise reduction up to 60 dB, improving acoustic comfort in interiors

	[° C]		
PMPL-750(X12)	-10°C ÷ +30°C	750 ml	12

PMPWS-750

Multi-weather gun foam



- ✓ Excellent adhesion to a wide range of building materials
- ✓ Fast curing, enabling quicker continuation of work
- ✓ Wide application temperature range, ensuring reliable performance in diverse climatic conditions

	[° C]		
PMPWS-750(X12)	-5°C ÷ +30°C	750 ml	12

PMP-SMART-750

Smart gun foam



- ✓ Excellent adhesion to various construction substrates
- ✓ High yield, ensuring efficient coverage and reduced material consumption
- ✓ Rapid moisture-curing, allowing faster progress on-site
- ✓ Good acoustic and thermal insulation, improving overall building performance

	[° C]		
PMP-SMART-750(X12)	+5°C ÷ +30°C	750 ml	12

PMW-SMART-750

Smart straw foam



- ✓ Excellent adhesion to various construction substrates
- ✓ High yield, ensuring efficient coverage and reduced material consumption
- ✓ Rapid moisture-curing, allowing faster progress on-site
- ✓ Good acoustic and thermal insulation, improving overall building performance

	[° C]		
PMW-SMART-750(X12)	+5°C ÷ +30°C	750 ml	12

PMP-SMART-900-65L

High-performance gun foam, low pressure



- ✓ High output - up to 65 liters, ensuring excellent efficiency
- ✓ Optimal foam structure for uniform filling
- ✓ Reliable adhesion to a wide range of construction substrates
- ✓ Short curing time, enabling faster installation
- ✓ Good acoustic and thermal insulation, supporting improved building comfort

	[° C]		
PMP-SMART-900-65L(X12)	+5°C ÷ +30°C	880 ml	12

ADHESIVES

KST-750

Polyurethane adhesive for general construction work



- ✓ Professional adhesive for ETICS insulation boards
- ✓ Excellent adhesion to EPS, XPS and mineral wool
- ✓ High bonding strength ensuring long-term durability of the system
- ✓ Forms a complete fastening solution when used together with Klimas Wkręt-met insulation fixings

	[°C]		
KST-750(X12)	+5 °C + +30 °C	750 ml	12

KST-SMART-750

Polyurethane adhesive for general construction work



- ✓ Basic adhesive for ETICS insulation boards
- ✓ Reliable fixing of EPS, XPS and mineral wool boards

	[°C]		
KST-SMART-750(X12)	+5 °C + +30 °C	750 ml	12

SEALANTS

KM-WKFIX-310

Sealant adhesive



- ✓ UV-resistant
- ✓ Permanently elastic
- ✓ Excellent paintability
- ✓ Resistant to changing weather conditions

KM-WKFIX-310(X12)		290 ml	12

KU-STRONG-310

All-purpose adhesive



- ✓ Very high bond strength - 360 kg / 10 cm²
- ✓ Resistant to weather conditions and UV exposure
- ✓ Paintable surface
- ✓ Does not emit harmful substances

KU-STRONG-310-BI(X12)		310 ml	12

KU-310

All-purpose adhesive



- ✓ Permanently elastic
- ✓ Suitable for bonding, jointing and sealing building materials
- ✓ Resistant to weather conditions and UV exposure
- ✓ Does not emit harmful substances

KU-310-BB(X12)		310 ml	12

UDK-310

Rubber roof sealant



- ✓ High-performance sealant engineered for extreme weather conditions
- ✓ Perfect solution for sealing cracks and structural fissures on roofs, balconies and terraces
- ✓ Provides durable, waterproof repairs of bituminous roofing membranes
- ✓ Ensures strong, flexible bonding for overlapping gutter joints and downpipes

UDK-310-BB(X12)	-	310 ml	12
UDK-310-BR(X12)		310 ml	12

SILICONES

UWT-310

High temperature sealant



- ✓ Non-combustible, high-temperature resistant sealant for demanding thermal applications
- ✓ Ideal for filling cracks and assembling fireplaces, stoves, grills and smokehouses
- ✓ Engineered to withstand harsh weather conditions and UV exposure
- ✓ Asbestos-free formulation for safe and modern construction use

UWT-310-CZ(X12)	■	310 ml	12

SNE-310

Universal silicone



- ✓ Universal neutral-cure silicone – a reliable solution for demanding applications
- ✓ Provides durable, flexible sealing between a wide range of building materials
- ✓ Perfect for professional ventilation system connections, ensuring long-lasting airtight performance
- ✓ Highly resistant to extreme weather conditions and UV radiation, maintaining its properties for years

SNE-310-BB(X12)	-	310 ml	12
SNE-310-SZ(X12)	-	310 ml	12

SUN-310

Neutral silicone



- ✓ Essential universal sealant designed for everyday professional use
- ✓ Ideal for flexible sealing of joints between a wide variety of building materials

SUN-310-BB(X12)	-	310 ml	12
SUN-310-BI(X12)	□	310 ml	12
SUN-310-BR(X12)	■	310 ml	12

UDE-310

Roofing sealant



- ✓ Essential bituminous sealant for universal construction use
- ✓ Provides reliable sealing of metal flashings and roofing details
- ✓ Ideal for overlapping joints in gutters and downpipes
- ✓ Compatible with polystyrene – does not cause adverse reactions

UDE-310-CZ(X12)	■	310 ml	12

SSZ-310

Silicone glazing sealant



- ✓ Optimized for glass and ultra-smooth surfaces, ensuring clean, precise and durable sealing
- ✓ Excellent for bonding a wide range of premium materials – including wood, metal, enamelled and glazed surfaces, as well as stainless steel
- ✓ Engineered for long-term performance with outstanding resistance to weather, moisture and UV radiation
- ✓ Not suitable for aquarium construction, ensuring safe and compliant use in all other applications

SSZ-310-BB(X12)	-	310 ml	12

SSA-310

Sanitary silicone



- ✓ Premium sanitary-grade acetoxysilicone designed for high-moisture environments
- ✓ Long-lasting resistance to moisture, mould and mildew for superior hygiene protection
- ✓ Ideal for installing and sealing sanitary fixtures, ensuring clean and durable joints

SSA-310-BB(X12)	-	310 ml	12
SSA-310-BI(X12)	□	310 ml	12

ACRYLICS

UAZ-310

Universal acryl



- ✓ Versatile, high-performance acrylic sealant crafted for professional interior finishing
- ✓ Delivers smooth, flawless filling of cracks and surface imperfections on interior walls and ceilings – perfect for creating a pristine, paint-ready finish
- ✓ Excellent for installing and sealing decorative moldings, trims and architectural elements, ensuring seamless transitions and a premium aesthetic

UAZ-310-BI(X12)	☐	310 ml	12

UAL-310

Universal acryl



- ✓ Lightweight, smooth and easy-to-sand filling sealant for professional finishing
- ✓ Ideal for repairing cracks, hair-line fractures and small surface defects in interior walls
- ✓ Perfect for jointing and skimming gypsum plasterboards, delivering a clean, uniform and paint-ready surface

UAL-310(X12)	☐	310 ml	12



ACCESSORIES

CZP

Foam cleaner



CZP-500	500 ml	12

DPT

Foam applicator gun



DPT	1	20

DPS

Foam applicator gun



DPS	1	20

DSP-310

Cartridge applicators



DSP310	1	12

DSS-310

Cartridge applicators



DSS310	1	12



MORE
ONLINE

METRIC BOLTS AND SCREWS,
WASHERS, NUTS,
THREADED RODS

SMGP 3 KG

M5 | 6 | 8 | 10 | 12 | 16 | 20

Hex head full thread bolt class 5.8 (DIN 933)



M5	SMGP-05016(X3)	5,0×16	3
	SMGP-05020(X3)	5,0×20	3
	SMGP-05025(X3)	5,0×25	3
	SMGP-05030(X3)	5,0×30	3
	SMGP-05035(X3)	5,0×35	3
	SMGP-05040(X3)	5,0×40	3
M6	SMGP-06050(X3)	5,0×50	3
	SMGP-06016(X3)	6,0×16	3
	SMGP-06020(X3)	6,0×20	3
	SMGP-06025(X3)	6,0×25	3
	SMGP-06030(X3)	6,0×30	3
	SMGP-06035(X3)	6,0×35	3
M8	SMGP-06040(X3)	6,0×40	3
	SMGP-06050(X3)	6,0×50	3
	SMGP-06060(X3)	6,0×60	3
	SMGP-06070(X3)	6,0×70	3
	SMGP-06080(X3)	6,0×80	3
M10	SMGP-08016(X3)	8,0×16	3
	SMGP-08020(X3)	8,0×20	3
	SMGP-08025(X3)	8,0×25	3
	SMGP-08030(X3)	8,0×30	3
	SMGP-08035(X3)	8,0×35	3
	SMGP-08040(X3)	8,0×40	3
M12	SMGP-08050(X3)	8,0×50	3
	SMGP-08060(X3)	8,0×60	3
	SMGP-08070(X3)	8,0×70	3
	SMGP-08080(X3)	8,0×80	3
	SMGP-10020(X3)	10×20	3
	SMGP-10025(X3)	10×25	3
M16	SMGP-10030(X3)	10×30	3
	SMGP-10035(X3)	10×35	3
	SMGP-10040(X3)	10×40	3
	SMGP-10050(X3)	10×50	3
	SMGP-10060(X3)	10×60	3
	SMGP-10070(X3)	10×70	3
M16	SMGP-10080(X3)	10×80	3
	SMGP-10100(X3)	10×100	3
	SMGP-12020(X3)	12×20	3
	SMGP-12025(X3)	12×25	3
	SMGP-12030(X3)	12×30	3
	SMGP-12035(X3)	12×35	3
M16	SMGP-12040(X3)	12×40	3
	SMGP-12050(X3)	12×50	3
	SMGP-12060(X3)	12×60	3
	SMGP-12070(X3)	12×70	3
	SMGP-12080(X3)	12×80	3
	SMGP-12100(X3)	12×100	3
M16	SMGP-16025(X3)	16×25	3
	SMGP-16030(X3)	16×30	3
	SMGP-16040(X3)	16×40	3
	SMGP-16050(X3)	16×50	3
	SMGP-16060(X3)	16×60	3
	SMGP-16070(X3)	16×70	3
M16	SMGP-16080(X3)	16×80	3
	SMGP-16100(X3)	16×100	3



M20	SMGP-20040(X3)	20,0×40	3
	SMGP-20050(X3)	20,0×50	3
	SMGP-20060(X3)	20,0×60	3
	SMGP-20070(X3)	20,0×70	3
	SMGP-20080(X3)	20,0×80	3
	SMGP-20100(X3)	20,0×100	3
	SMGP-20180(X3)	20,0×180	3

SMGP 10 KG

M5 | 6 | 8 | 10

Hex head full thread bolt class 5.8 (DIN 933)



M6	SMGP-06016(10)	6,0×16	10
	SMGP-06020(10)	6,0×20	10
	SMGP-06025(10)	6,0×25	10
	SMGP-06030(10)	6,0×30	10
	SMGP-06035(10)	6,0×35	10
	SMGP-06040(10)	6,0×40	10
	SMGP-06045(10)	6,0×45	10
	SMGP-06050(10)	6,0×50	10
	SMGP-06055(10)	6,0×55	10
	SMGP-06060(10)	6,0×60	10
	SMGP-06065(10)	6,0×65	10
	SMGP-06070(10)	6,0×70	10
	SMGP-06075(10)	6,0×75	10
	SMGP-06080(10)	6,0×80	10
	SMGP-06090(10)	6,0×90	10
	SMGP-06100(10)	6,0×100	10
M8	SMGP-08120(10)	8,0×120	10
	SMGP-08016(10)	8,0×16	10
	SMGP-08020(10)	8,0×20	10
	SMGP-08025(10)	8,0×25	10
	SMGP-08030(10)	8,0×30	10
	SMGP-08035(10)	8,0×35	10
	SMGP-08040(10)	8,0×40	10
	SMGP-08045(10)	8,0×45	10
	SMGP-08050(10)	8,0×50	10
	SMGP-08060(10)	8,0×60	10
M10	SMGP-08070(10)	8,0×70	10
	SMGP-08080(10)	8,0×80	10
	SMGP-08090(10)	8,0×90	10
	SMGP-08100(10)	8,0×100	10
	SMGP-10020(10)	10×20	10
	SMGP-10025(10)	10×25	10
	SMGP-10030(10)	10×30	10
	SMGP-10035(10)	10×35	10
	SMGP-10040(10)	10×40	10
	SMGP-10050(10)	10×50	10
M10	SMGP-10060(10)	10×60	10
	SMGP-10070(10)	10×70	10
	SMGP-10080(10)	10×80	10

SZM 3 KG

M6 | 8 | 10 | 12

Hex head partially threaded bolt (DIN 603)



SZM 10 KG

M6 | 8 | 10

Hex head partially threaded bolt (DIN 603)



M6	SZM-06020	6,0×20	3
	SZM-06025	6,0×25	3
	SZM-06030	6,0×30	3
	SZM-06035	6,0×35	3
	SZM-06040	6,0×40	3
	SZM-06045	6,0×45	3
	SZM-06050	6,0×50	3
	SZM-06055	6,0×55	3
	SZM-06060	6,0×60	3
	SZM-06065	6,0×65	3
	SZM-06070	6,0×70	3
	SZM-06080	6,0×80	3
	SZM-06090	6,0×90	3
	SZM-06100	6,0×100	3
	SZM-06110	6,0×110	3
	SZM-06120	6,0×120	3
M8	SZM-08025	8,0×25	3
	SZM-08030	8,0×30	3
	SZM-08035	8,0×35	3
	SZM-08040	8,0×40	3
	SZM-08045	8,0×45	3
	SZM-08050	8,0×50	3
	SZM-08060	8,0×55	3
	SZM-08070	8,0×60	3
	SZM-08080	8,0×60	3
	SZM-08090	8,0×70	3
	SZM-08100	8,0×80	3
	SZM-08110	8,0×90	3
	SZM-08120	8,0×100	3
	SZM-08130	8,0×110	3
	SZM-08140	8,0×120	3
	SZM-08150	8,0×130	3
M10	SZM-10060	10×140	3
	SZM-10080	10×150	3
	SZM-10100	10×60	3
	SZM-10120	10×80	3
	SZM-10140	10×100	3
	SZM-10160	10×120	3
	SZM-10180	10×140	3
	SZM-10200	10×160	3
	SZM-12060	10×180	3
	SZM-12080	10×120	3
	SZM-12100	10×140	3
	SZM-12120	10×160	3
M12	SZM-12140	10×180	3
	SZM-12160	10×200	3
	SZM-12180	12×60	3
	SZM-12200	12×80	3
	SZM-12100	12×100	3
	SZM-12120	12×120	3
	SZM-12140	12×140	3
	SZM-12160	12×160	3
	SZM-12180	12×180	3
	SZM-12200	12×200	3

M6	SZM-06020(10)	6,0×20	10
	SZM-06025(10)	6,0×25	10
	SZM-06030(10)	6,0×30	10
	SZM-06035(10)	6,0×35	10
	SZM-06040(10)	6,0×40	10
	SZM-06045(10)	6,0×45	10
	SZM-06050(10)	6,0×50	10
	SZM-06055(10)	6,0×55	10
	SZM-06060(10)	6,0×60	10
	SZM-06065(10)	6,0×65	10
	SZM-06070(10)	6,0×70	10
	SZM-06080(10)	6,0×80	10
	SZM-06090(10)	6,0×90	10
	SZM-06100(10)	8,0×100	10
	SZM-06110(10)	6,0×110	10
	SZM-06120(10)	6,0×120	10
M8	SZM-08025(10)	8,0×25	10
	SZM-08030(10)	8,0×30	10
	SZM-08035(10)	8,0×35	10
	SZM-08040(10)	8,0×40	10
	SZM-08045(10)	8,0×45	10
	SZM-08050(10)	8,0×50	10
	SZM-08055(10)	8,0×55	10
	SZM-08060(10)	8,0×60	10
	SZM-08070(10)	8,0×70	10
	SZM-08080(10)	8,0×80	10
	SZM-08090(10)	8,0×90	10
	SZM-08100(10)	8,0×100	10
	SZM-08110(10)	8,0×110	10
	SZM-08120(10)	8,0×120	10
	SZM-08130(10)	8,0×130	10
	SZM-08140(10)	8,0×140	10
M10	SZM-08150(10)	8,0×150	10
	SZM-10060(10)	10×60	10
	SZM-10080(10)	10×80	10
	SZM-10100(10)	10×100	10
	SZM-10120(10)	10×120	10
	SZM-10160(10)	10×140	10
	SZM-12060(10)	10×120	10
	SZM-10140(10)	10×140	10
	SZM-10160(10)	10×160	10
	SZM-10180(10)	10×180	10
	SZM-10200(10)	10×200	10



NM

M5 | 6 | 8 | 10 | 12 | 14 | 16 | 20 | 24

Hex nut (DIN 934)



M5	NM-05	M 5	4
M6	NM-06	M 6	4
	NM-06(10)	M 6	10
M8	NM-08	M 8	4
	NM-08(10)	M 8	10
M10	NM-10	M 10	4
	NM-10(10)	M 10	10
M12	NM-12	M 12	3
	NM-12(10)	M 12	10
M14	NM-14	M 14	3
	NM-14(10)	M 14	10
M16	NM-16	M 16	3
	NM-16(10)	M 16	10
M20	NM-20	M 20	3
	NM-20(10)	M 20	10
M24	NM-24	M 24	3
	NM-24(10)	M 24	10



NMK

M6 | 8 | 10 | 12

Hex self-locking nut (DIN 1587)



M6	NMK-06	M 6	3
M8	NMK-08	M 8	3
M10	NMK-10	M 10	3
M12	NMK-12	M 12	3



POD

M5 | 6 | 8 | 10 | 12 | 14 | 16 | 20 | 24

Wide flat washers (DIN 9021)



M5	POD-05	M 5	4
M6	POD-06	M 6	4
	POD-06(10)	M 6	10
M8	POD-08	M 8	4
	POD-08(10)	M 8	10
M10	POD-10	M 10	4
	POD-10(10)	M 10	10
M12	POD-12	M 12	4
	POD-12(10)	M 12	10
M14	POD-14	M 14	4
	POD-14(10)	M 14	10
M16	POD-16	M 16	4
	POD-16(10)	M 16	10
M20	POD-20	M 20	4
	POD-20(10)	M 20	10
M24	POD-24	M 24	4
	POD-24(10)	M 24	10



NMS

M5 | 6 | 8 | 10 | 12 | 14 | 16

Hex self-locking nut (DIN 985)



M5	NMS-05	M 5	3
M6	NMS-06	M 6	3
M8	NMS-08	M 8	3
M10	NMS-10	M 10	3
M12	NMS-12	M 12	3
M14	NMS-14	M 14	3
M16	NMS-16	M 16	3

POS

M5 | 6 | 8 | 10 | 12 | 14 | 16

Spring washers (DIN 127)



M5	POS-05	M 5	3
M6	POS-06	M 6	3
M8	POS-08	M 8	3
M10	POS-10	M 10	3
M12	POS-12	M 12	3
M14	POS-14	M 14	3
M16	POS-16	M 16	3

NMM

M5 | 6 | 8 | 10 | 12

Wing nut (DIN 315)



M5	NMM-05	M 5	3
M6	NMM-06	M 6	3
M8	NMM-08	M 8	3
M10	NMM-10	M 10	3
M12	NMM-12	M 12	3

ZN

M6 | 8 | 10 | 12 | 16

Hex nut (DIN 6334)



M6	ZN-06025	M 6	100	3200
M8	ZN-08025	M 8	50	1600
M10	ZN-10030	M 10	50	1600
M12	ZN-12040	M 12	50	800
M16	ZN-16050	M 16	25	400

Pricing inquiries: export@wkret-met.com

PON

M5 | 6 | 8 | 10 | 12 | 14 | 16 | 20

Standard flat washers (DIN 125)



M5	PON-05	M 5	4
M6	PON-06	M 6	4
	PON-06(10)	M 6	10
M8	PON-08	M 8	4
	PON-08(10)	M 8	10
M10	PON-10	M 10	4
	PON-10(10)	M 10	10
M12	PON-12	M 12	4
	PON-12(10)	M 12	10
M14	PON-14	M 14	4
	PON-14(10)	M 14	10
M16	PON-16	M 16	4
	PON-16(10)	M 16	10
M20	PON-20	M 20	4
	PON-20(10)	M 20	10

WD

M8 | 10

Hanger bolt



M8	WD-08060	8,0×60	100	1200
	WD-08070	8,0×70	100	1200
	WD-08080	8,0×80	100	1200
	WD-08100	8,0×100	100	1200
	WD-08120	8,0×120	100	800
	WD-08140	8,0×140	50	400
	WD-08160	8,0×160	50	400
	WD-08180	8,0×180	50	400
	WD-08200	8,0×200	50	400
	WD-08220	8,0×220	50	200
M10	WD-08250	8,0×250	50	200
	WD-08300	10,0×60	100	1200
	WD-10080	10,0×80	100	800
	WD-10100	10,0×100	50	600
	WD-10120	10,0×120	50	600
	WD-10140	10,0×140	50	400
	WD-10160	10,0×160	25	200
	WD-10180	10,0×180	25	200

PGO

M6 | 8 | 10 | 12 | 14 | 16 | 20 | 24

Threaded rod class 4.6/4.8. Sold as single item.



PGO

M6 | 8 | 10 | 12 | 14 | 16 | 20 | 24

Threaded rod class 4.6/4.8. Sold as single item. Each piece labelled.



M6	PGO-061000(X70)	6,0×1000	70
	PGO-062000(X35)	6,0×2000	35
M8	PGO-081000(X40)	8,0×1000	40
	PGO-082000(X20)	8,0×2000	20
M10	PGO-101000(X30)	10×1000	30
	PGO-102000(X15)	10×2000	15
M12	PGO-121000(X20)	12×1000	20
	PGO-122000(X10)	12×2000	10
M14	PGO-141000(X15)	14×1000	15
M16	PGO-161000(X10)	16×1000	10
	PGO-162000(X5)	16×2000	5
M20	PGO-201000(X5)	20×1000	5
	PGO-202000(X3)	20×2000	3
M24	PGO-241000(X5)	24×1000	5
	PGO-242000(X3)	24×2000	3

M6	PGO-061000(X70)-E	6,0×1000	70
	PGO-062000(X35)-E	6,0×2000	35
M8	PGO-081000(X40)-E	8,0×1000	40
	PGO-082000(X20)-E	8,0×2000	20
M10	PGO-101000(X30)-E	10×1000	30
	PGO-102000(X15)-E	10×2000	15
M12	PGO-121000(X20)-E	12×1000	20
	PGO-122000(X10)-E	12×2000	10
M14	PGO-141000(X15)-E	14×1000	15
M16	PGO-161000(X10)-E	16×1000	10
	PGO-162000(X5)-E	16×2000	5
M20	PGO-201000(X5)-E	20×1000	5
M24	PGO-241000(X5)-E	24×2000	5





MORE
ONLINE

INSTALLATION AND SANITARY FASTENINGS

BKMMX

Ø10

WC pan fixing kit



Ø10	BKMMX-10080B		2	20
	BKMMX-10080S		2	20
	BKMMX-10080Z		2	20



BKMPX

Ø12 | 14

Urinal fixing kit



Ø12	BKMPX-12120B		2	20
	BKMPX-12120S		2	20
Ø14	BKMPX-14140B		2	20
	BKMPX-14140S		2	20

BKMUX

Ø12

Wash basin fixing kit



Ø12	BKMUX-12100		2	20
	BKMUX-12120		2	20



TS

Worm drive band



TS-W3-30MB



30 mb

ZTS

Single steel pipe clamp



ZTS-W3



50

OTS

Torro clamps



		Ø	
Ø 8-12	OTS-008-9	8 - 12	100
Ø 10-16	OTS-010-9	10 - 16	100
Ø 12-22	OTS-012-9	12 - 22	100
Ø 16-27	OTS-016-12	16 - 27	25
Ø 16-27	OTS-016-9	16 - 27	100
Ø 20-32	OTS-020-12	20 - 32	25
Ø 20-32	OTS-020-9	20 - 32	100
Ø 25-40	OTS-025-12	25 - 40	25
Ø 25-40	OTS-025-9	25 - 40	100
Ø 40-60	OTS-040-12	40 - 60	25
Ø 40-60	OTS-040-9	40 - 60	50
Ø 50-70	OTS-050-9	50 - 70	50
Ø 80-100	OTS-080-9	80 - 100	25
Ø 100-120	OTS-100-12	100 - 120	25
Ø 100-120	OTS-100-9	100 - 120	25
Ø 120-140	OTS-120-9	120 - 140	25
Ø 140-160	OTS-140-12	140 - 160	25



URG

Single rubber pipe clamp



		Ø	Ø	
Ø 3/4"	URG-3/4	3/4"		25
Ø 3/8"	URG-3/8	3/8"	15-19 mm	25
Ø 1/2"	URG-1/2	1/2"	20-25 mm	25
Ø 3/4"	URG-3/4	3/4"	26-30 mm	25
Ø 1"	URG-1	1"	32-36 mm	25
Ø 1 1/4"	URG-1 1/4	1 1/4"	38-43 mm	25
Ø 1 1/2"	URG-1 1/2	1 1/2"	47-51 mm	25
Ø 2"	URG-2	2"	60-64 mm	25
Ø 2 1/2"	URG-2 1/2	2 1/2"	75-80 mm	20
Ø 3"	URG-3	3"	87-92 mm	20
Ø 4"	URG-4	4"	107-112 mm	20
Ø 6"	URG-6	6"	159-166 mm	20

UJRB

Single clamp



		Ø		
Ø 22-32	UJRB-1	22-32	200	1600

UDRB

Twin clamp



		Ø		
Ø 22-32	UDRB-1	22-32	200	800

URG2X

Double rubber clamp for copper pipes



		Ø	Ø	
Ø 3/8"	URG-2X3/8	3/8"	17 - 19 mm	25
Ø 1"	URG-2X1	1"	33 - 37 mm	25





MORE
ONLINE

ELECTRICAL FASTENERS

OPZ

Cable ties



OPZ-2.5-100	☐	100	4000
OPZ-3.75-150	☐	100	2500
OPZ-3.75-180	☐	100	2000
OPZ-3.75-200	☐	100	2000
OPZ-3.75-250	☐	100	1500
OPZ-4.8-250	☐	100	1500
OPZ-4.8-300	☐	50	750
OPZ-4.8-350	☐	50	750
OPZ-7.5-350	☐	50	750
OPZ-8-500	☐	25	375

OPZC

Cable ties



OPZC-2.5-150	■	100	2500
OPZC-3.75-200	■	100	2000
OPZC-3.75-250	■	100	1500

KZ

Cable clips



	Ø		
KZ-3	3-5	100	3600
KZ-5	5-7	100	2400
KZ-7	7-10	50	1200
KZ-10	10-14	25	600

WT

Trapezoidal sheet hanger



WT-120M6	M6×120	1
WT-120M8	M8×120	1





MORE
ONLINE

ACCESSORIES FOR POWER TOOLS



Wkręt-met
KLIMAS

TDT-HP HOT PRESSED

Turbo hot pressed diamond blade



Ø 115	TDT-115HP	115×2,2×22	1
Ø 125	TDT-125HP	125×2,3×22	1
Ø 180	TDT-180HP	180×2,4×22	1
Ø 230	TDT-230HP	230×2,6×22	1

TDP-P PROFESSIONAL

Continuous diamond blade



Ø 115	TDP-115P	115×1,8×22	1
Ø 125	TDP-125P	125×1,9×22	1
Ø 180	TDP-180P	180×2,2×22	1
Ø 230	TDP-230P	230×2,4×22	1

TDST SUPER TURBO

Super turbo diamond blade



Ø 115	TDST-115	115×2,4×22	1
Ø 125	TDST-125	125×2,4×22	1
Ø 180	TDST-180	180×2,6×22	1
Ø 230	TDST-230	230×2,8×22	1

TDS-P PROFESSIONAL

Segmented diamond blade



Ø 115	TDS-115P	115×1,8×22	1
Ø 125	TDS-125P	125×1,9×22	1
Ø 180	TDS-180P	180×2,2×22	1
Ø 230	TDS-230P	230×2,4×22	1



TDT-P PROFESSIONAL

Turbo diamond blade



Ø 115	TDT-115P	115×2,2×22	1
Ø 125	TDT-125P	125×2,3×22	1
Ø 180	TDT-180P	180×2,4×22	1
Ø 230	TDT-230P	230×2,6×22	1

TDP-M MEDIUM

Continuous diamond blade



Ø 115	TDP-115M	115×1,8×22	1
Ø 125	TDP-125M	125×1,9×22	1
Ø 180	TDP-180M	180×2,2×22	1
Ø 230	TDP-230M	230×2,4×22	1

TDS-M MEDIUM

Segmented diamond blade



Ø 115	TDS-115M	115×1,8×22	1
Ø 125	TDS-125M	125×1,9×22	1
Ø 180	TDS-180M	180×2,2×22	1
Ø 230	TDS-230M	230×2,4×22	1

TDT-M MEDIUM

Turbo diamond blade



Ø 115	TDT-115M	115×2,2×22	1
Ø 125	TDT-125M	125×2,3×22	1
Ø 180	TDT-180M	180×2,4×22	1
Ø 230	TDT-230M	230×2,6×22	1

TSL

Corundum disc for cutting steel



Ø 125	TSL-125040	125×22/40	5
	TSL-125060	125×22/60	5
	TSL-125080	125×22/80	5
	TSL-125100	125×22/100	5
	TSL-125120	125×22/120	5



TCK

Corundum disc for cutting stone



Ø 115	TCK-11530	115×3,0×22	5
Ø 125	TCK-12530	125×3,0×22	5
Ø 230	TCK-23030	230×3,0×22	5

TCSI

Corundum disc for cutting stainless steel



Ø 115	TCSI-11510	115×1,0×22	10
Ø 115	TCSI-11516	115×1,6×22	10
Ø 125	TCSI-12510	125×1,0×22	10
Ø 125	TCSI-12516	125×1,6×22	10
Ø 230	TCSI-23020	230×2,0×22	10

TCS

Corundum disc for cutting steel



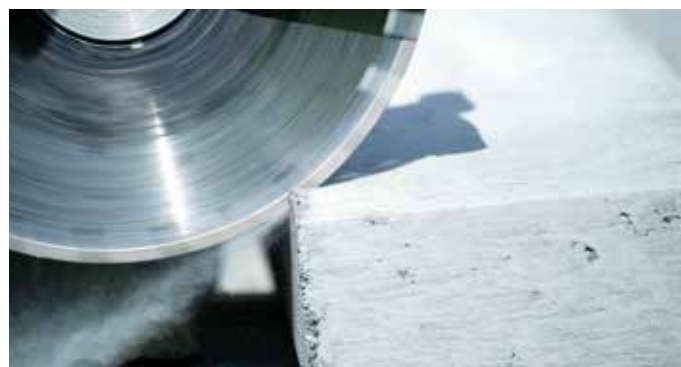
Ø 115	TCS-11510	115×1,0×22	10
	TCS-11516	115×1,6×22	10
	TCS-11525	115×2,5×22	5
	TCS-11532	115×3,2×22	5
Ø 125	TCS-12510	125×1,0×22	10
	TCS-12516	125×1,6×22	10
	TCS-12525	125×2,5×22	5
	TCS-12532	125×3,2×22	5
Ø 180	TCS-18015	180×1,5×22	5
	TCS-18025	180×2,5×22	5
Ø 230	TCS-23020	230×2,0×22	5
	TCS-23032	230×3,2×22	5
Ø 300	TCS-30032	300×3,2×32	5
Ø 350	TCS-35035	350×3,5×32	5
Ø 400	TCS-40040	400×4,0×32	5

TSS

Corundum disc for steel grinding



Ø 115	TSS-11568	115×6,8×22	5
Ø 125	TSS-12568	125×6,8×22	5
Ø 180	TSS-18068	180×6,8×22	5
Ø 230	TSS-23068	230×6,8×22	5



SD4

Sds plus drill bits



Ø4	SD4-04110	4,0×110	60	1
Ø5	SD4-05110	5,0×110	60	1
	SD4-06110	6,0×110	60	1
Ø6	SD4-06160	6,0×160	110	1
	SD4-06210	6,0×210	160	1
Ø7	SD4-07160	7,0×160	110	1
	SD4-08110	8,0×110	60	1
	SD4-08160	8,0×160	110	1
	SD4-08210	8,0×210	160	1
Ø8	SD4-08260	8,0×260	210	1
	SD4-08310	8,0×310	310	1
	SD4-08360	8,0×360	310	1
	SD4-08410	8,0×410	360	1
	SD4-08460	8,0×460	460	1
	SD4-10110	10×110	60	1
	SD4-10160	10×160	110	1
	SD4-10210	10×210	160	1
Ø10	SD4-10260	10×260	210	1
	SD4-10310	10×310	260	1
	SD4-10410	10×410	360	1
	SD4-10610	10×610	560	1
	SD4-12160	12×160	110	1
	SD4-12210	12×210	160	1
	SD4-12260	12×260	210	1
Ø12	SD4-12310	12×310	260	1
	SD4-12410	12×410	360	1
	SD4-12610	12×610	560	1
	SD4-14160	14×160	110	1
	SD4-14210	14×210	160	1
Ø14	SD4-14260	14×260	210	1
	SD4-14310	14×310	260	1
	SD4-14410	14×410	360	1
	SD4-14610	14×610	560	1
	SD4-16160	16×160	110	1
	SD4-16210	16×210	160	1
	SD4-16260	16×260	210	1
Ø16	SD4-16310	16×310	260	1
	SD4-16410	16×410	360	1
	SD4-16610	16×610	560	1

WSDP

Conical drill for concrete - 5.0 mm



Ø5	WSDP-05100	5,0×100	1
	WSDP-05160	5,0×160	1

SD4W

Sds plus cross drill bits



Ø5,5	SD4W-055260	5,5×260	210	1
	SD4W-055310	5,5×310	260	1
	SD4W-06110	6,0×110	60	1
Ø6	SD4W-06160	6,0×160	110	1
	SD4W-06210	6,0×210	160	1
	SD4W-08160	8,0×160	110	1
Ø8	SD4W-08210	8,0×210	160	1
	SD4W-08260	8,0×260	210	1
	SD4W-10160	10×160	110	1
	SD4W-10210	10×210	160	1
Ø10	SD4W-10260	10×260	210	1
	SD4W-10310	10×310	260	1
	SD4W-12160	12×160	110	1
Ø12	SD4W-12210	12×210	160	1
	SD4W-12260	12×260	210	1
	SD4W-14210	14×210	160	1
Ø14	SD4W-14260	14×260	210	1
	SD4W-14310	14×310	260	1

H-A

Drill bit for concrete type sds - 5 mm



	H-A782406	5,0×160	110
	H-A782407	5,0×210	160
	H-A782408	5,0×260	210
	H-A782409	5,0×310	260
	H-A782400	5,0×465	400

DWS-500

Extension sds for conical drill with wedge for removal



	DWS-500	500 mm	1

CL

Cylindrical concrete drill bits



Ø3	CL-030000	60	1
Ø4	CL-040000	75	1
	CL-050000	85	1
Ø5	CL-050015	150	1
	CL-060000	100	1
Ø6	CL-060015	150	1
	CL-060020	200	1
	CL-060030	300	1
Ø7	CL-070000	100	1
	CL-080000	120	1
Ø8	CL-080015	150	1
	CL-080020	200	1
	CL-080030	300	1
	CL-100000	120	1
Ø10	CL-100015	150	1
	CL-100020	200	1
	CL-100030	300	1
Ø12	CL-120000	150	1
	CL-120020	200	1
	CL-120030	300	1
Ø14	CL-140000	150	1
	CL-140020	200	1
	CL-140030	300	1
Ø16	CL-160000	150	1
	CL-160020	200	1
	CL-160030	300	1

STCL

Cylindrical concrete drill bit sets



Ø4-10	STCL-05	4-5-6-8-10	1

NWKA DIN338

Hss metal drill bits



		
Ø1	NWKA-0100	12 10
Ø1,5	NWKA-0150	18 10
Ø2	NWKA-0200	24 10
Ø2,2	NWKA-0220	27 10
Ø2,3	NWKA-0230	27 10
Ø2,5	NWKA-0250	30 10
Ø2,8	NWKA-0280	33 10
Ø3	NWKA-0300	33 10
Ø3,2	NWKA-0320	36 10
Ø3,3	NWKA-0330	36 10
Ø3,5	NWKA-0350	39 10
Ø3,8	NWKA-0380	43 10
Ø4	NWKA-0400	43 10
Ø4,1	NWKA-0410	43 10
Ø4,2	NWKA-0420	47 10
Ø4,8	NWKA-0480	52 10
Ø4,9	NWKA-0490	52 10
Ø5	NWKA-0500	52 10
Ø5,1	NWKA-0510	52 10
Ø5,2	NWKA-0520	52 10
Ø5,5	NWKA-0550	57 10
Ø6	NWKA-0600	57 10
Ø6,1	NWKA-0610	63 10
Ø6,2	NWKA-0620	63 10
Ø6,5	NWKA-0650	63 10
Ø8,1	NWKA-0800	75 10
Ø8,1	NWKA-0810	75 10
Ø8,2	NWKA-0820	75 10
Ø8,5	NWKA-0850	75 10
Ø9	NWKA-0900	81 10
Ø9,5	NWKA-0950	81 10
Ø10	NWKA-1000	87 10
Ø10,2	NWKA-1020	87 10
Ø10,5	NWKA-1050	87 10
Ø11	NWKA-1100	94 10
Ø11,5	NWKA-1150	94 10
Ø12,5	NWKA-1250	101 5
Ø13	NWKA-1300	101 5
Ø14	NWKA-1400	108 5
Ø15	NWKA-1500	114 5
Ø16	NWKA-1600	120 5

NWKB DIN338

Hss metal drill bits



		
Ø3	NWKB-0300	66 10
Ø4	NWKB-0400	78 10
Ø4,2	NWKB-0420	78 10
Ø4,5	NWKB-0450	82 10
Ø5	NWKB-0500	87 10
Ø6	NWKB-0600	91 10
Ø6,5	NWKB-0650	97 10
Ø8	NWKB-0800	109 10
Ø10	NWKB-1000	121 10

SWKA

Hss metal drill bits (fully ground)



		
Ø1	SWKA-0100	12 10
Ø1,5	SWKA-0150	18 10
Ø2	SWKA-0200	24 10
Ø2,5	SWKA-0250	30 10
Ø3	SWKA-0300	33 10
Ø3,2	SWKA-0320	36 10
Ø3,5	SWKA-0350	39 10
Ø3,8	SWKA-0380	43 10
Ø4	SWKA-0400	43 10
Ø4,1	SWKA-0410	43 10
Ø4,2	SWKA-0420	47 10
Ø4,5	SWKA-0450	47 10
Ø4,8	SWKA-0480	52 10
Ø5,2	SWKA-0520	52 10
Ø5,5	SWKA-0550	57 10
Ø6	SWKA-0600	57 10
Ø6,2	SWKA-0620	63 10
Ø6,5	SWKA-0650	63 10
Ø7	SWKA-0700	69 10
Ø7,5	SWKA-0750	69 10
Ø8	SWKA-0800	75 10
Ø8,5	SWKA-0900	75 10
Ø9	SWKA-1000	81 10
Ø10	SWKA-1050	87 5
Ø10,5	SWKA-1100	87 5
Ø11	SWKA-1200	94 5
Ø12	SWKA-1300	101 5
Ø13	SWKA-1300	101 5

SWKB

HSS DIN338 & DIN340 metal drill bits (fully ground)



		
Ø3	SWKB-0300	66 10
Ø4	SWKB-0400	78 10
Ø4,5	SWKB-0450	82 10
Ø5	SWKB-0500	87 10
Ø5,5	SWKB-0550	91 10
Ø6	SWKB-0600	91 10
Ø6,5	SWKB-0650	97 5
Ø7	SWKB-0700	102 5
Ø8	SWKB-0800	109 5
Ø10	SWKB-1000	121 5

WDS

Wood drill bit



		
Ø3	WDS-03060	3,0×60 1
Ø4	WDS-04075	4,0×75 1
Ø5	WDS-05085	5,0×85 1
Ø6	WDS-06090	6,0×90 1
Ø7	WDS-07105	7,0×105 1
Ø8	WDS-08115	8,0×115 1
Ø9	WDS-09115	9,0×115 1
Ø10	WDS-10120	10×120 1
Ø11	WDS-11150	11×150 1
Ø12	WDS-12150	12×150 1
Ø13	WDS-13150	13×150 1
Ø14	WDS-14150	14×150 1
Ø15	WDS-15160	15×160 1
Ø16	WDS-16160	16×160 1

STNWKA

19/25-Piece din 338 hss drill bit sets



Ø 1-10	STNWKA-19	1,0-10 (19 drills)	1
Ø 1-13	STNWKA-25	1,0-13 (25 drills)	1



WM

SW-8 screwdriver bit



WM-06050	SW 6 / 50	1
WM-08050	SW 8 / 50	1
WM-10050	SW 10 / 50	1
WM-13050	SW 13 / 50	1

TX-S2

TX type driver bits



TX-20S2	TX-20 / 25	1
TX-20S2-160	TX-20 / 160	1
TX-20S2-250	TX-20 / 250	1
TX-20S2-350	TX-20 / 350	1
TX-30S2	TX-30 / 25	1
TX-30S2-160	TX-30 / 160	1
TX-30S2-250	TX-30 / 250	1
TX-30S2-350	TX-30 / 350	1

PH-S2

PH screwdriver bits



PH-S2-01025	PH-1/ 25	1
PH-S2-01050	PH-1/ 50	1
PH-S2-02025	PH-2/ 25	1
PH-S2-02050	PH-2/ 50	1
PH-S2-02110	PH-2/ 110	1
PH-S2-02160	PH-2/ 160	1
PH-S2-02250	PH-2/ 250	1
PH-S2-02350	PH-2/ 350	1
PH-S2-03025	PH-3/ 25	1
PH-S2-03050	PH-3/ 50	1

WMM

Bit with magnet for PH, TX drives



WMM-15065	1

PH-S2

PH screwdriver bits



PH-S2-01025	PH-1 / 25	10
PH-S2-01050	PH-1 / 50	10
PH-S2-02025	PH-2 / 25	10
PH-S2-02050	PH-2 / 50	10
PH-S2-02110	PH-2 / 110	10
PH-S2-02160	PH-2 / 160	10
PH-S2-02250	PH-2 / 250	10
PH-S2-02350	PH-2 / 350	10
PH-S2-03025	PH-3 / 25	10
PH-S2-03050	PH-3 / 50	10

PZ-S2

PZ screwdriver bits



PZ-S2-01025	PZ1 / dt. 25	10
PZ-S2-02025	PZ2 / dt. 25	10
PZ-S2-03025	PZ3 / dt. 25	10

TX-S2

TX screwdriver bits



TX-10S2	TX-10 / 25	2
TX-15S2	TX-15 / 25	2
TX-20S2	TX-20 / 25	2
TX-20S2-160	TX-20 / 160	25
TX-20S2-250	TX-25 / 250	25
TX-20S2-350	TX-30 / 350	25
TX-25S2	TX-25 / 25	2
TX-30S2	TX-30 / 25	5
TX-30S2-160	TX-30 / 160	200
TX-30S2-250	TX-30 / 250	25
TX-30S2-350	TX-30 / 350	100
TX-40S2	TX-40 / 25	2
TX-40S2-50	TX-40 / 50	50
TX-50S2	TX-50 / 25	2

STBIT-30

Bit set



+	1, 2, 3	+	1, 2, 3
-	3, 4, 5, 6	-	3, 4, 5, 6
*	10, 15, 20, 25, 27, 30, 40	*	10, 15, 20, 25, 27, 30, 40
*	10, 15, 20, 25, 27, 30, 40	*	10, 15, 20, 25, 27, 30, 40

STBIT-30	1
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MORE
ONLINE

TAPES AND FOILS

TMSP

Self-adhesive painters' tape



			
TMSP-019025	19 mm×25 mb	12	48
TMSP-019050	19 mm×50 mb	12	48
TMSP-025025	25 mm×25 mb	9	36
TMSP-025050	25 mm×50 mb	9	36
TMSP-030025	30 mm×25 mb	10	40
TMSP-030050	30 mm×50 mb	10	40
TMSP-038025	38 mm×25 mb	6	12
TMSP-038050	38 mm×50 mb	6	12
TMSP-048025	48 mm×25 mb	6	24
TMSP-048050	48 mm×50 mb	6	24

TSTI

Self-adhesive insulation cloth tape – duct tape



		
TSTI-048005	48×5 yd	24
TSTI-048010	48×10 yd	24
TSTI-048025	48×25 yd	24
TSTI-048050	48×50 yd	24

TPTR

Packaging tape



			
TPTR-048035	48 mm×35 mb	12	36

TPBR

Packaging tape



			
TPBR-048035	48 mm×35 mb	12	36





TOBC

Warning tape



TOBC-080100



80 mm×100 mb



15

TOZC

Warning tape



TOZC-080100



80 mm×100 mb



15

FOMC, FOMS, FOMG

Protective plastic sheeting



FOMC-0405



FOMS-0405



FOMG-0405



FOMC-0405



4 m×5 m



50

FOMS-0405

4 m×5 m

25

FOMG-0405

4 m×5 m

12



FIP

Certified foundation perimeter insulation (horizontal)



FIP-02550	0,50 m×50 mb	0,50 m
FIP-03750	0,25 m×50 mb	0,25 m
FIP-05050	0,365 m×50 mb	0,365 m

FIF

Certified foundation perimeter insulation (vertical)



FIF-10020	1,0 m×20 mb	1,0 m
FIF-15020	1,5 m×20 mb	1,5 m
FIF-20020	2,0 m×20 mb	2,0 m

FBC

Certified damp-proof membrane



FBC-0520	5 m×20 mb	1,3 m
FBC-0520-30	5 m×20 mb	1,3 m

FOC

Protection plastic foil black, yellow



FOC-0425	4 m×25 mb	1,05 m
FOC-0520	5 m×20 mb	1,30 m





FBZ

Vapour barrier foil



		
FBZ-0250	2 m×50 mb	1,05 m
FBZ-0250-30	2 m×50 mb	1,05 m

FOZ

Protection plastic foil black, yellow



		
FOZ-0250	2 m×50 mb	1,05 m

FOCC

Wkfol protective plastic foil black, yellow



		
FOCC-0425	4 m×25 mb	1,05 m
FOCC-0520	5 m×20 mb	1,30 m

FOZC

Wkfol protective plastic foil black, yellow



		
FOZC-0250	2 m×50 mb	1,05 m

TAB

Alubutyl tape



		
TAB-040010	40 mm×10 mb	1
TAB-045010	45 mm×10 mb	1
TAB-050010	50 mm×10 mb	1
TAB-070010	70 mm×10 mb	1
TAB-100010	100 mm×10 mb	1
TAB-150010	150 mm×10 mb	1
TAB-200010	200 mm×10 mb	1
TAB-250010	250 mm×10 mb	1
TAB-300010	300 mm×10 mb	1

TH

Hydro-insulating butyl tape



		
TH-070010	70 mm×10 mb	1

THHK

Hydrotech tape with glue



		
THHK-070010	70 mm×10 mb	1
THHK-100010	100 mm×10 mb	1
THHK-150010	150 mm×10 mb	1

TPP

Vapour-proof external tape - for window warm installation



		
TPP-070025	70 mm×25 mb	1
TPP-150025	150 mm×25 mb	1

THH

Hydrotech tape



		
THH-070010	70 mm×10 mb	1

PB

Butyl strip



		
PB-015015	15 mm×15 mb	1
PB-015040	15 mm×40 mb	1
PB-018015	18 mm×15 mb	1
PB-018040	18 mm×40 mb	1

STRONG FOR GENERATIONS

KLIMAS
FASTENER TECHNOLOGIES

Responsibly designed solution

HEXAVALENT CHROMIUM-FREE

TECHNOLOGY DEVELOPED WITH A VIEW TO PRODUCT DURABILITY,
SAFETY OF USE AND REDUCED ENVIRONMENTAL IMPACT OF TECHNOLOGICAL PROCESS
WHEN COMPARED TO TRADITIONAL GALVANISING METHODS.



Products manufactured using the SQ CERAMIC technology comply with the requirements of relevant standards and may be subject to certification depending on the type and application of the product.

SQ CERAMIC – LAMELLAR COATING – FEATURES:

LOWER CO₂ EMISSION*

when compared to electrogalvanising

* Emission level depends on the specific product, process parameters, and production conditions.

LIMITED USE OF PROCESS RESOURCES*

- lower consumption of process water
- limited amount of process sewage
- no waste containing hexavalent chromium

* When compared to electrolytic galvanising technology.

WHAT IS SQ CERAMIC?

SQ CERAMIC is an advanced lamellar coating technology applied for the purpose of protecting fasteners against corrosion in demanding construction applications.

The zinc flake coating forms a multi-layer protective barrier, providing significantly higher corrosion resistance when compared to traditional zinc coatings, while maintaining a thin, controlled layer.

Thanks to the coating's structure, it is possible to maintain high dimensional precision of fasteners and stable functional parameters.

The process does not result in hydrogenation of the material, which reduces the risk of hydrogen embrittlement and increases the safety of using the elements in load-bearing structures.

The technology does not contain hexavalent chromium [Cr(6)] and is compliant with the current regulatory requirements regarding particularly hazardous substances.

klimas.com

KLIMAS

Wkręt-met®



35 years of experience in the construction fastening technology industry, distribution of products to nearly 70 countries, companies in various parts of the globe, and a portfolio of over 6,500 products make Klimas Wkręt-met a leader in production in Central and Eastern Europe.

The company, founded in 1990 by Joanna and Wojciech Klimas, quickly gained a nationwide, then European and global reach. Currently, in accordance with the GO GLOBAL strategy, the company is expanding its distribution to additional foreign markets.

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PRODUCTION AND STORAGE
FACILITIES WITH
A TOTAL AREA OF

80 000 m²

HARDENING

21 000 000

pcs. SCREWS
DAILY

WE PRODUCE

9 000 000

pcs. PLASTIC
FASTENERS PER DAY

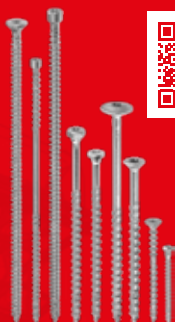
WE PRODUCE

30 000 000

pcs. SCREWS
DAILY

STRONG FOR GENERATIONS

**Screws and fasteners
for wooden
constructions**



**External thermal
insulation
composite
system - ETICS**



**Mechanical anchors,
chemical anchors,
concrete screws**



**Frame and general
purpose fixings**



**Fasteners for flat roof
thermal insulation and
waterproofing system**



**Fastening systems
for lightweight roof
and wall cladding**



**Drywall fastener
system**



**Construction
chemical**



**Screws and fasteners
for windows and
doors**



Bolts and screws



Power tool accessories



**Installation systems
and sanitary fixings.
Clamps and
bands**



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