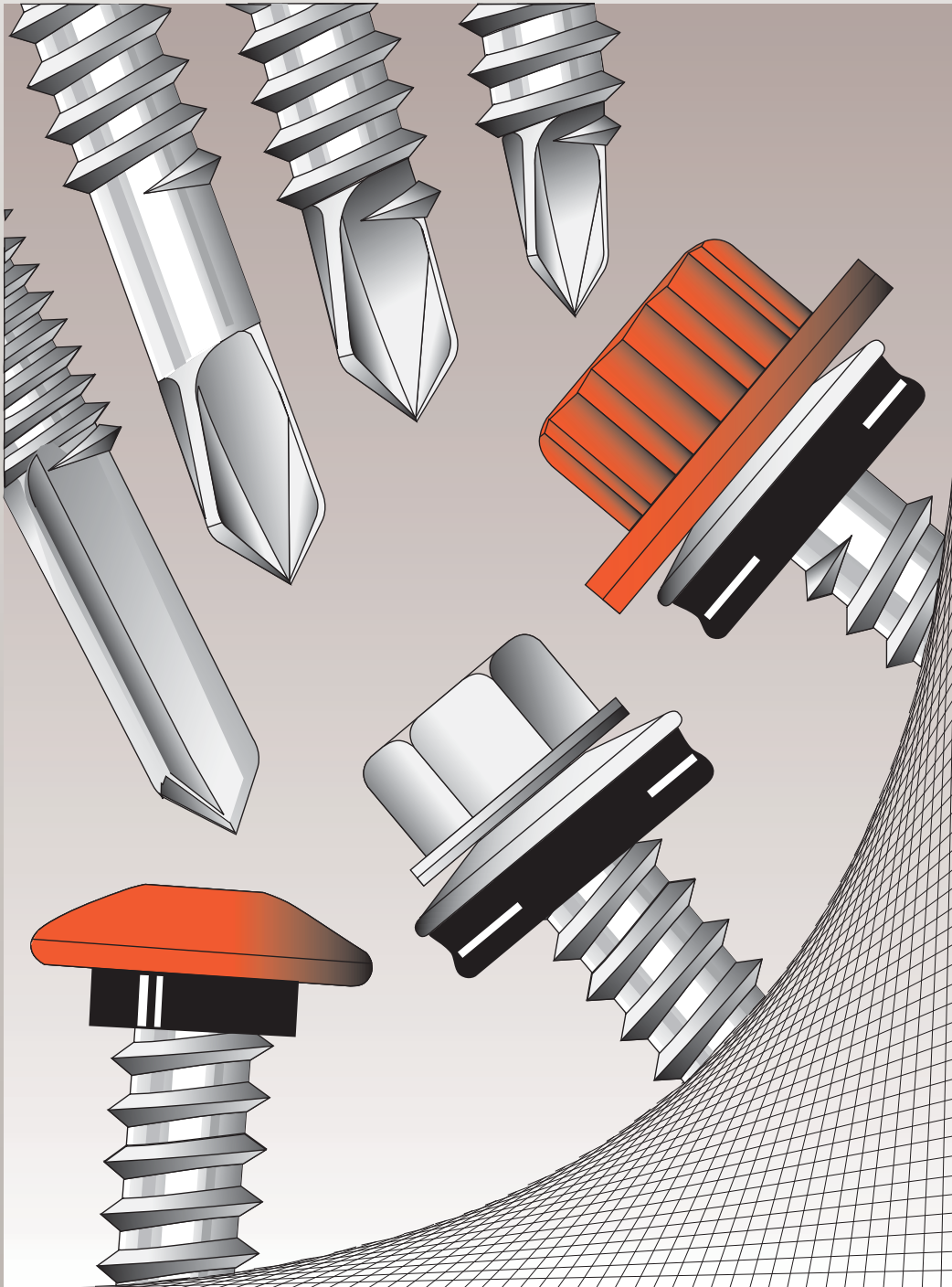


The fastening connection

topex



Fastening techniques for roofing and cladding























































































7310 fastener type
(see 1st column below)

5,5 x 25 fastener dimensions

fastener length [mm]






































































fastener diameter [mm]

Application overview

Fastener type	Page No.	Typical coating	Material	Typical application	Thickness	Typical substrate	Point	Head	Recess
7010	9	Zinc 250	Carbon steel	Steel sheets		Steel < 3,5	Drill-point 2		DS25
7011	9	Zinc 250	Carbon steel	Steel sheets		Steel < 3,5	Drill-point 2		DS25
7020	10	Zinc 250	Carbon steel	Steel sheets		Steel < 6,0	Drill-point 3		DS25
7026	10	Zinc 250	Carbon steel	Steel sheets		Steel < 6,0	Drill-point 3		DS30
7030	11	Zinc 250	Carbon steel	Steel sheets		Steel < 12,5	Drill-point 5		DS25
7031	11	Zinc 250	Carbon steel	Steel sheets		Steel < 12,5	Drill-point 5		DS25
7040	11	Zinc 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1		DS25
7041	11	Zinc 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1		DS25
7049	11	Zinc 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1		DS25
7060	12	Zinc 250	Carbon steel	Steel sheets		Timber	Red. drill-point 1		DS25
7062	12	Zinc 250	Carbon steel	Panels		Steel < 3,5	Drill-point 2		DS25
7070	13	Zinc 250	Carbon steel	Panels		Steel < 12,5	Drill-point 5		DS25
7110	14	Dural 250	Bi-metal A2	Steel sheets		Steel < 3,5	Drill-point 2		DS25
7115	15	Dural 250	Bi-metal A2	Steel sheets		Stitcher	Red. drill-point 1		DS25
7120	15	Dural 250	Bi-metal A2	Steel sheets		Steel < 6,0	Drill-point 3		DS25
7130	15	Dural 250	Bi-metal A2	Steel sheets		Steel < 12,5	Drill-point 5		DS25
7140	16	Dural 250	Bi-metal A2	Steel sheets		Stitcher	Red. drill-point 1		DS25
7141	16	Dural 250	Bi-metal A2	Steel sheets		Stitcher	Red. drill-point 1		DS25
7142	16	Dural 250	Bi-metal A2	Steel sheets		Stitcher	Red. drill-point 1		DS25
7160	16	Dural 250	Bi-metal A2	Steel sheets		Timber	Red. drill-point 1		DS25
7180	16	Dural 250	Bi-metal A2	Steel sheets		Steel < 2,5	Drill-point 2		DS25
7182	16	Dural 250	Bi-metal A2	Steel sheets		Steel < 6,0	Drill-point 4		DS25
7213	17	Dural 250	Carbon steel	Secret fix clips		Steel < 5,0	Drill-point 3	Flat Hex	SW8
7214	17	Dural 250	Carbon steel	Secret fix clips		Timber	Red. drill-point 1	Flat Hex	SW8
7215	17	Dural 250	Carbon steel	Secret fix clips		Steel < 6,0	Drill-point 4	Flat Hex	SW8
7270	17	Dural 250	Carbon steel	Secret fix clips		Steel < 4,5	Drill-point 3	Flat	PH2
7310	18	Dural 250	Carbon steel	Steel sheets		Steel < 3,5	Drill-point 2	Hex / NYCO 	SW8 / SW11
7310H	18	Dural 250	Carbon steel	Steel sheets		Steel < 3,5	Drill-point 2	Hex	SW8
7320	18	Dural 250	Carbon steel	Steel sheets		Steel < 3,5	Drill-point 2	Hex / NYCO 	SW8 / SW11
7325	19	Dural 250	Carbon steel	Steel sheets		Steel < 6,0	Drill-point 3	Hex	SW 3/8"
7327	19	Dural 250	Carbon steel	Steel sheets		Steel < 6,0	Drill-point 3	Hex	SW8
7330	19	Dural 250	Carbon steel	Steel sheets		Steel < 12,5	Drill-point 5	Hex / NYCO 	SW8 / SW11
7335	20	Dural 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7336	20	Dural 250	Carbon steel	Steel sheets		Steel < 18,0	Drill-point 6	Hex-washer	SW8
7337	17	Dural 250	Carbon steel	Secret fix clips		Steel < 12,5	Drill-point 5	Flat	PH3
7339	20	Dural 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1	Hex-washer	SW8
7340	21	Dural 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7341	21	Dural 250	Carbon steel	Steel sheets		Timber	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7342	22	Dural 250	Carbon steel	Steel sheets		Steel < 3,5	Drill-point 2	Hex-washer	SW8
7343	22	Dural 250	Carbon steel	Steel sheets		Steel < 6,0	Drill-point 3	Hex-washer	SW8
7344	22	Dural 250	Carbon steel	Steel sheets		Steel < 12,5	Drill-point 5	Hex-washer	SW8
7346	23	Dural 250	Carbon steel	Steel sheets		Stitcher	Red. drill-point 1	Hex-washer	SW8
7347	23	Dural 250	Carbon steel	Steel sheets		Timber	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7353	28	Dural 250	Carbon steel	Steel sheets		Steel < 3,0; pre-drilled	Self-tapping A	Hex	SW8
7360	24	Dural 250	Carbon steel	Panels		Steel < 6,0	Drill-point 3	Hex / NYCO 	SW8 / SW11
7362	25	Dural 250	Carbon steel	Panels		Steel < 3,5	Drill-point 2	Hex / NYCO 	SW8 / SW11
7370	26	Dural 250	Carbon steel	Panels		Steel < 12,5	Drill-point 5	Hex / NYCO 	SW8 / SW11
7373	28	Dural 250	Carbon steel	Steel sheets		Steel > 3,0; pre-drilled	Self-tapping B	Hex	SW8
7380	27	Dural 250	Carbon steel	Panels		Timber	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7410	29	Dural 250	Carbon steel	Timber		Steel < 5,0	Drill-point 3 + wings	Countersunk	PH3
7411	29	Dural 250	Carbon steel	Timber		Steel < 5,0	Drill-point 3 + wings	Countersunk	T30
7412	29	Dural 250	Carbon steel	Timber		Steel < 5,0	Drill-point 3 + wings	Countersunk	DS15 - DS25
7415	30	Dural 250	Carbon steel	Timber		Steel < 12,5	Drill-point 5 + wings	Countersunk	DS30

S16	washer description (if needed)
washer diameter [mm], see page 55	
S = stainless	A = aluminium
G = galvanized	R = rubber ring
NY - 10A05	colour description (if needed)
colour code (BS or RAL, see page 7)	
NY = nylon head	
PP = powder painting	

The fastening connection

Fastener type	Page No.	Typical coating	Material	Typical application	Thickness	Typical substrate	Point	Head	Recess
7425	30	Dural 250	Carbon steel	Timber		Steel < 10,0	Drill-point 5 + wings	Countersunk	DS30
7426	31	Dural 250	Carbon steel	Timber		Steel < 6,0	Drill-point 3 + wings	Countersunk	DS30
7428	31	Dural 250	Carbon steel	Timber		Steel < 6,0	Drill-point 3 + wings	Countersunk	DS30
7431	31	Dural 250	Carbon steel	Timber		Composite panels	Drill-point 1	Countersunk + ribs	DS30
7441	32	Dural 1000	Carbon steel	Fibre-cement sheets		Steel < 6,0	Drill-point 3	Hex	SW8
7442	32	Dural 1000	Carbon steel	Fibre-cement sheets		Steel < 6,0	Drill-point 3	Hex	SW8
7442E	32	Dural 1000	Bi-metal A2	Fibre-cement sheets		Steel < 6,0	Drill-point 3	Hex	SW8
7451	33	Dural 1000	Carbon steel	Fibre-cement sheets		Steel < 12,5	Drill-point 5	Hex	SW8
7452	33	Dural 1000	Carbon steel	Fibre-cement sheets		Steel < 12,5	Drill-point 5	Hex	SW8
7456	34	Dural 1000	Carbon steel	Fibre-cement sheets		Timber	Drill-point 1	Hex	SW8
7457	35	Dural 1000	Carbon steel	Fibre-cement sheets		Timber	Special drill-point 1	Hex	SW8
7457E	35	Dural 1000	A2	Fibre-cement sheets		Timber	Special drill-point 1	Hex	SW8
7457E	35	Dural 1000	A4	Fibre-cement sheets		Timber	Special drill-point 1	Hex	SW8
7510	36	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 3,5	Drill-point 2	Hex / NYCO 	SW8 / SW11
7515	15	Dural 250	Bi-metal A2	Steel sheets		Steel < 3,5	Red. drill-point 1	UFO oval	DS25
7516	37	Dural 250	Bi-metal A2	Halter clips		Steel < 1,6	Red. drill-point 1	Hex	SW8
7517	37	Dural 250	Bi-metal A2	Halter clips		Steel < 3,5	Drill-point 2	Hex	SW8
7518	37	Dural 250	Bi-metal A2	Halter clips		Steel < 1,6, Timber	Red. drill-point 1	Hex	SW8
7519	37	Dural 250	Bi-metal A2	Halter clips		Steel < 3,2	Drill-point 2	Hex	SW8
7520	38	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 6,0	Drill-point 3	Hex / NYCO 	SW8 / SW11
7521	38	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 6,0	Drill-point 3	Hex / NYCO 	SW8 / SW11
7524	38	Dural 250	Bi-metal A4	Steel / alu sheets		Steel < 6,0	Drill-point 3	Hex	SW8
7525	39	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 6,0	Drill-point 3	Hex / NYCO 	SW8 / SW11
7530	40	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 12,5	Drill-point 5	Hex / NYCO 	SW8 / SW11
7534	40	Dural 250	Bi-metal A4	Steel / alu sheets		Steel < 12,5	Drill-point 5	Hex	SW8
7540	40	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 3,5	Drill-point 3	Hex / NYCO 	AF7 / SW8 / SW11
7543	41	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 3,0	Drill-point 2	Oval	ROB 2
7544	41	Dural 250	Bi-metal A4	Steel / alu sheets		Steel < 3,5	Drill-point 3	Hex	SW8
7546	41	Dural 250	Bi-metal A2	Halter clips		Steel < 1,0	Red. drill-point 1	Flat	DS20
7548	41	Dural 250	Bi-metal A2	Halter clips		Steel < 1,0	Red. drill-point 1	Flat	DS20
7549	42	Dural 250	Bi-metal A2	Secret fix clips		Steel < 1,0	Red. drill-point 1	Flat Hex	SW8
7550	42	Dural 250	Bi-metal A2	Steel sheets		Stitcher	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7553	43	Dural 250	Bi-metal A2	Steel sheets		Stitcher	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7554	43	Dural 250	Bi-metal A4	Steel sheets		Stitcher	Red. drill-point 1	Hex	SW8
7561	43	Dural 250	Bi-metal A2	Steel sheets		Timber	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7565	43	Dural 250	Bi-metal A2	Steel sheets		Timber	Red. drill-point 1	Hex	SW8
7570	44	Dural 250	Bi-metal A2	Panels		Steel < 6,0	Drill-point 3	Hex / NYCO 	SW8 / SW11
7571	45	Dural 250	Bi-metal A2	Panels		Steel < 3,5	Drill-point 2	Hex / NYCO 	SW8 / SW11
7575	46	Dural 250	Bi-metal A2	Panels		Steel < 12,5	Drill-point 5	Hex / NYCO 	SW8 / SW11
7580	47	Dural 250	Bi-metal A2	Panels		Timber	Red. drill-point 1	Hex / NYCO 	SW8 / SW11
7591	48	Dural 250	Bi-metal A2	Timber		Steel < 5,0	Drill-point 3 + wings	Countersunk	DS25
7592	48	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 2,0	Drill-point 2 + wings	Countersunk	DS25
7593	48	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 3,5	Drill-point 3	Countersunk	T20 / T25
7595	48	Dural 250	Bi-metal A2	Steel / alu sheets		Steel < 6,0	Drill-point 3	Countersunk	DS25
7596	49	Dural 250	Bi-metal A2	Timber		Composite panels	Drill-point 1	Countersunk + ribs	DS25
7641	49	Dural 250	A2	Steel sheets		Timber	Special drill-point 1	Hex / NYCO 	SW8 / SW11
7652	50	Dural 250	A4	Steel sheets		Steel < 3,0; pre-drilled	Self-tapping A	Hex	SW8
7653	50	Dural 250	A2	Steel sheets		Steel < 3,0; pre-drilled	Self-tapping A	Hex	SW8
7672	51	Dural 250	A4	Steel sheets		Steel > 3,0; pre-drilled	Self-tapping B	Hex	SW8
7673	51	Dural 250	A2	Steel sheets		Steel > 3,0; pre-drilled	Self-tapping B	Hex	SW8
7673K	52	Dural 250	A2	Panels		Steel > 3,0; pre-drilled	Self-tapping B	Hex	SW8
7680	53	Dural 250	A2	Panels		Timber	Special drill-point 1	Hex / NYCO 	SW8 / SW11
7890	54	Dural 250	Carbon steel	Steel sheets / Panels		Concrete		Hex	SW8
7890E	54	Dural 250	A2	Steel sheets / Panels		Concrete		Hex	SW8

The fastening connection

Swiss made

Local experts



MAGE AG is a specialised Swiss manufacturer whose task is to be a partner and a guarantee for quality in the demanding field of the building industry. With our extensive production programme we have the capability of solving all our customers' fastening problems. Our worldwide contacts keep us abreast of current technical know-how in production techniques, enabling us to meet the highest standards.

Quality Assurance



Our ISO 9001 compliant system of batch numbers allows for the traceability of a finished product through the various stages of production even to the original batch of the wire, so that the customer has total confidence in our quality control. The details of the batch number which appears on the boxes and invoices is enough to ensure traceability of all the relevant quality control tests of our products.

The fastening connection



When you specify MAGE fasteners, you have the assurance of a high quality product, engineered with more than 30 years of knowledge of the fastener industry. In addition to a strict internal quality control underlying the MAGE fastening system, we have obtained numerous technical approvals which also involve independent 3rd party control visits to our factory every year.



Approved by the German Institute for building technology (DIBT)

ETA-10/0199

European Technical Approval



Approved by the French building standards office (VERITAS)



Approved by the Finnish steel building association



Approved by the Polish technical building institute



Approved by the Norwegian building institute



Approved by the Romanian National Institute for Research & Development in Construction and Economy for Construction



Approved by the Czech Technical and Test Institute for Construction

EOTA – European Technical Approval

CE declaration

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Europäische Technische Zulassung ETA-10/0199

Handelsbezeichnung Trade name	Befestigungsschrauben MAGE TOPEX
Zulassungsinhaber Holder of approval	MAGE AG Industriestraße 191 1791 Courtaman SCHWEIZ
Zulassungsgegenstand und Verwendungszweck Generic type and use of constructive product	Befestigungsschrauben für Bauteile und Bleche aus Metall Fastening screws for metal members and sheeting
Geltungsdauer: Validity	vom 17. August 2010 bis 17. August 2015
Herstellwerke Manufacturing plants	Werk 1 Shinjo, OSAKA, JAPAN Werk 2 MAGE AG, 1791 COURTAMAN, SCHWEIZ Plant 1 Shinjo, OSAKA, JAPAN Plant 2 MAGE AG, 1791 COURTAMAN, SCHWEIZ

Diese Zulassung umfasst 52 Seiten einschließlich 43 Anhänge
This Approval consists 52 pages including 43 annexes

EOTA
Europäische Organisation für Technische Zulassungen
European Organisation for Technical Approvals

The fastening connection

MAGE FASTENERS

CE
CE-Konformitätserklärung
Declaration of Conformity

In der Norm der Europäischen Organisation für technische Zulassungen der ETA-10/0199
in Anwendung der EG-Baugenormen (89/106/EEC)
to the norm from European Organisation for Technical Approvals according to ETA-10/0199
in application of the EU Directive 89/106/EEC

Hersteller: The manufacturer:	MAGE AG Industriestraße 34 CH-1791 Courtaman Shinjo Osaka, Japan
erklärt, dass das Produkt: declares, that the product:	
Bezeichnung: Description:	Befestigungsschrauben MAGE TOPEX Fastening screw MAGE TopeX
Typ:	Befestigungsschrauben für Bauteile und Bleche aus Metall Fastening screws for metal members and sheeting
Nennweite: Dimension:	Durchmesser von 3,5 – 7,0 mm, Längen von 9 – 300 mm Diameters from 3.5 – 7.0 mm, lengths from 9 – 300 mm
mit der Richtlinie übereinstimmt complies with the requirements of the Directive	
Angewandtes Regelwerk: Applied code:	European Technical Approval ETA-10/0199
Konformitätsbewertung nach: Conformity Assessment Procedure:	Anhang von ETA-10/0199 Valid from 17 August 2010 to 17 August 2015
Jegliche Veränderungen an den Produkten, die Auswirkungen auf die technische Ausführung und/oder auf die bestimmungsgemäße Verwendung entsprechend unserer Betriebsanleitung haben, machen diese Erklärung nichtig. Any modifications of our products which change the technical layout and/or the field of application other than specified in our operating instructions invalidate the declaration.	
Ort/Datum: City, date	Abteilung/Funktion: Department Technische Direktor
City, date	Unterschrift: Signature Wolfgang Spörer

MAGE AG | Industriest. 34 | CH-1791 Courtaman | Tel. +41 26 684 74 00 | Fax +41 26 684 21 89 | info@mage.ch | www.mage.ch

Durability of MAGE fasteners

It is important for the building owner to have confidence in the products selected and their long term durability. MAGE has built its reputation by supplying reliable quality products, ensuring product suitability for each application, with high quality corrosion resistant finishes on all fasteners.

MAGE is well known throughout the European fastener world as one of the leading companies in corrosion protection, and was first to apply an in-organic anticorrosion coatings to all of our fasteners.

In line with other leading fastener manufacturers supplying the European market, MAGE's recommendations on the durability of fasteners follow the appropriate European industry standards including the UK's MCRMA guideline *"Fasteners for metal roof and wall cladding, design, detailing and installation guide"*.

All MAGE carbon steel fasteners with Dural 250 plus coating with the NYCO integral nylon coloured heads for use on buildings with dry / low humidity are deemed to comply with BS7543:2003 Guide to: *"Durability of buildings and building elements, products and components"*. Certain applications in exposed areas or aggressive environments require different solutions; please refer to our technical brochure for details.

The MAGE topex bi-metal and fully stainless fastener programme has been made only from austenitic stainless steel grades 304 / A2 and 316 / A4. Both steel qualities are mainly alloyed with chromium and nickel and they can be easily identified by their non-magnetic properties – however cold forming can lead to minimal residual magnetism which does not have the slightest effect on the corrosion resistance.

Although it may be common use to classify martensitic steel alloys with the main component chromium as stainless steel their application in cladding is NOT RECOMMENDED. These steel grades of the 400-series which are mostly hardened and galvanized offer a corrosion protection that is only equal to that of carbon steel fasteners with anticorrosion coating. On top of this those screws are prone to show intercrystalline corrosion as well as hydrogenous brittleness – both effects can lead to disastrous failures.

The following image gives a clear indication of the high resistance to corrosion our carbon steel fasteners with Dural plus coatings and austenitic stainless steel fasteners have to offer.

 <i>The fastening connection</i>	Not tested	Tested SST – DIN 50021		
		250 h	1000 h	1500 h
7510 Stainless Steel 1.4301				
7310 Dural 1000 plus®				
7310 Dural 250 plus®				
7310 Yellow zinc plated				

Durability of MAGE fasteners

Fasteners materials	Environnement		Life expectancy of fasteners	Sheet / Deck Material (see note 1)			
	External exposure	Internal humidity grade		Aluminium	Coated steel	Stainless steel	GRP / PVC fibrecement
				Minimal washer thickness [mm]			
				19	16	16	29
Austenitic stainless steel	Urban / Rural	All grades	25+	Y	Y	Y	Y
	Industrial	All grades	25+	Y	Y	Y	Y
	Coastal / Marine	All grades	25+	Y	Y	Y	Y
Coated carbon steel with integral nylon coloured head	Urban / Rural	Dry / Low	15 / 25	N	Y	N	Y
		High	10 / 15	N	C	N	C
	Industrial	Dry / Low	15 / 20	N	C	N	C
		High	10	N	C	N	C
	Coastal / Marine	Dry / Low	–	N	N	N	N
		High	–	N	N	N	N
Coated carbon steel & push on plastic colour cap	Urban / Rural	Dry / Low	10 / 20	N	Y	N	Y
		High	10 / 15	N	C	N	C
	Industrial	Dry / Low	10 / 15	N	C	N	C
		High	10	N	C	N	C
	Coastal / Marine	Dry / Low	–	N	N	N	N
		High	–	N	N	N	N

KEY: Y = Recommended N = not recommended C = Check suitability with sheet manufacturer and MAGE

Note 1: The above periods are for the fasteners functional life expectancy.

Please consult the sheet manufacturer regarding the most appropriate sheet material and coating system and its functional life in the particular environment.

Note 2: Carbon steel fasteners which are non-exposed to the external environment have a functional life that is similar to those tabled above for carbon steel with integral colour head.

Note 3: The period shown is the functional life expectancy. If a specific project warranty is needed please consult MAGE

Powder coating






























Powder coating technology is environmentally acceptable due to the lack of waste products from the manufacturing process, because the excess powder overspray is recycled.





















The use of powder coating has been prompted by high requirements of impact and weather resistance, which is why many other organisations such as aluminium profile manufacturers, fastener technology, machine and automobile industry have changed in the last few years from wet painting to powder coating. MAGE uses polyester powder due to its excellent colour and durability properties.

Standard range of British Standards and RAL colour references

The most popular colours are generally available within a short delivery lead time; other colours are manufactured to order.

Special colours can be produced with extended lead times which may be subject to an additional cost.

RAL references					
RAL 1015	Light Elf's Leg		RAL 7015	Mouse Grey	
RAL 3000	Fire Red		RAL 7016	Anthracite Grey	
RAL 3004	Burano		RAL 7022	Umber Grey	
RAL 5002	Ultramarine		RAL 7031	Blue Grey	
RAL 5003	Sargasso/Sapphire Blue		RAL 7032	Pebble Grey	
RAL 5007	Brilliant Blue		RAL 7034	Yellow Grey	
RAL 5009	Azure Blue		RAL 7035	Oyster	
RAL 5010	Flower Blue		RAL 7037	Dusty Grey	
RAL 5017	Traffic Blue		RAL 8014	Sepia Brown	
RAL 5020	Ocean Blue		RAL 9001	Cream White	
RAL 6000	Patina Green		RAL 9002	Hamlet	
RAL 6002	Leaf Green		RAL 9006	Silver	
RAL 6005	Moss green		RAL 9007	Grey Aluminium	
RAL 7000	Squirrel Grey		RAL 9010	Pure White	
RAL 7012	Basalt Grey				

British Standard references					
BS 00E53	Black		BS 12B21	Moorland Green	
BS 00E55	White		BS 12B27	Olive Green	
BS 04C39	Terracotta		BS 12B29	Juniper Green	
BS 04E53	Poppy Red		BS 14C37	Jade	
BS 08B29	Vandyke Brown		BS 18B17	Albatross	
BS 08C35	Bamboo		BS 18B25	Merlin Grey	
BS 10A05	Goosewing Grey		BS 18B29	Grey	
BS 10B19	Mushroom		BS 18C37	Wedgewood Blue	
BS 10B23	Svelte Grey		BS 18C39	Ocean Blue	
BS 10C31	Honesty		BS 18E53	Solent	

The colours shown above are only printed samples, the real colours could slightly differ.

topex-NYCO® self-drilling-screws with injection moulded nylon head

The advantages of using fasteners with an integral coloured head are well proven in today's metal roofing & cladding markets where an external fastener is required.

The comprehensive topex-NYCO programme of purpose designed self-drilling-screws are available in carbon steel and austenitic stainless steel grades 304 / A2 or 316 / A4 (upon request).

Topex-NYCO integral coloured head self-drilling fasteners are simply installed in one operation with a standard screwgun. Permanent colour matching is ensured without the problems associated with separate colour caps.

The topex-NYCO fastener programme provides a durable UV-resistant colour match to the profiled colour sheet and greatly enhances the fasteners resistance to corrosion. This is due to the reinforced glass fibre polyamide composition with built-in UV-stabilisers.

Topex-NYCO headed screws are moulded to suit 16, 19 or 29 mm washers.

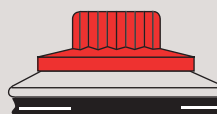
18 mm NYCO flange with skirt for 16 mm washer



21 mm NYCO flange with skirt for 19 mm washer



21 mm flange flat for 29 mm washer



SW11

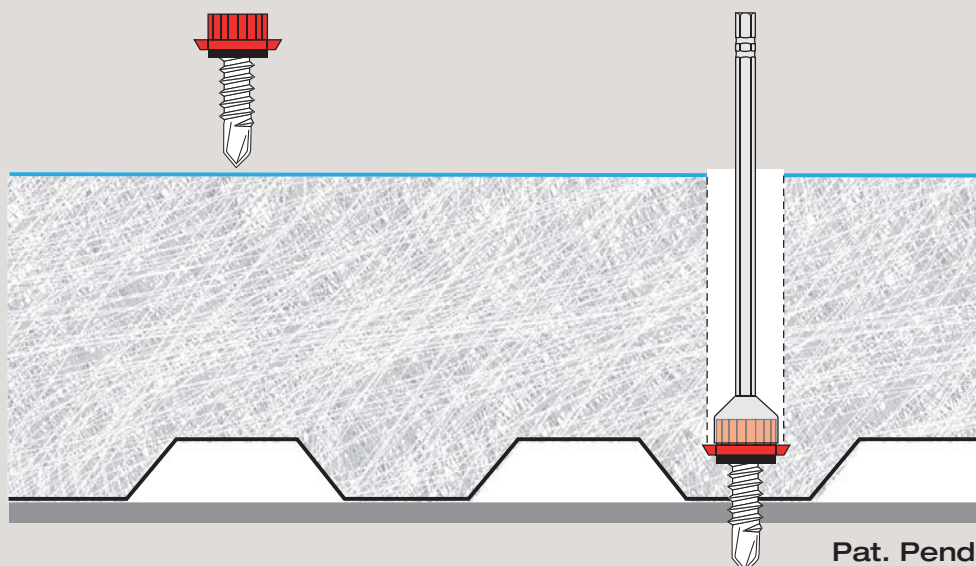
= Most SW8 hex-washer-head topex fasteners can be over-moulded with a topex-NYCO head.

ETA-10/0199



topex-NYCO® with wings

Developed by MAGE to fix membrane faced insulated panels. The wings will cut through the membrane layer and the insulation to fasten the panel onto the substrate.

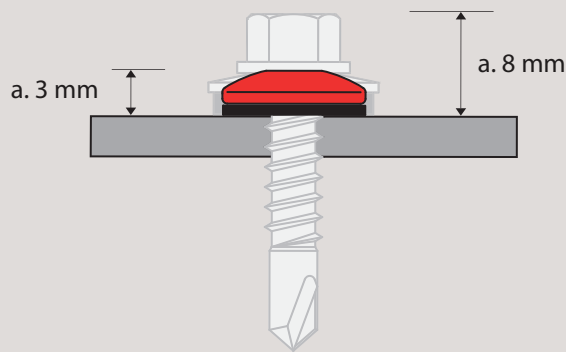


Pat. Pend.

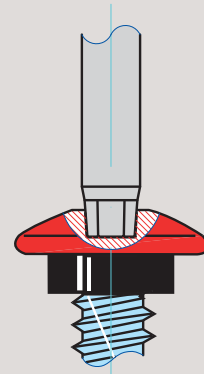
Application examples

topex-ufo® aesthetic low profile carbon-steel self-drilling screws

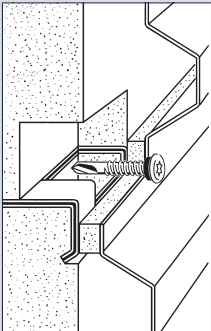
The growth of our topex-ufo® low profile headed range has been created by the market demanding a more aesthetically pleasing fastener, particularly in cladding applications, and providing an unobtrusive head style.



Ultra low head – almost 3 times lower than classical hex-head!!!

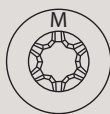


DS-Drive is a substantial improvement over the 6 lobe recess. The conical form of the drive recess creates a mechanical magnetism that prevents the screw from falling-out of the drive bit.



7010 / 7011

Topex-ufo® drill-screws with DS-drive (DS25), drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm. On 7011 the underside of the ufo-head is filled.

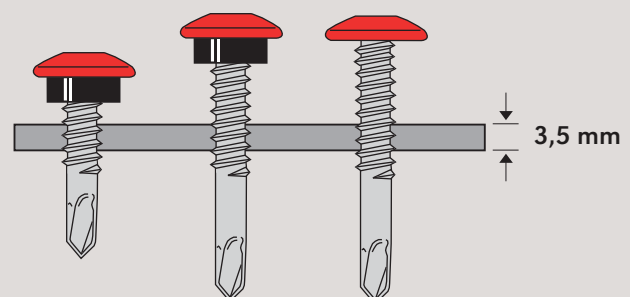
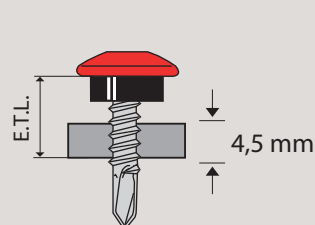


DS25

7010

7010

7011



Length Ø 4,8 x 20

Ø 5,5 x

E.T.L.

6

25

6

38

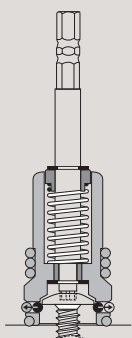
14

38

14

mm

mm

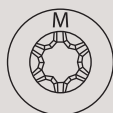


7970/21 – ufo-screws
special setting tool

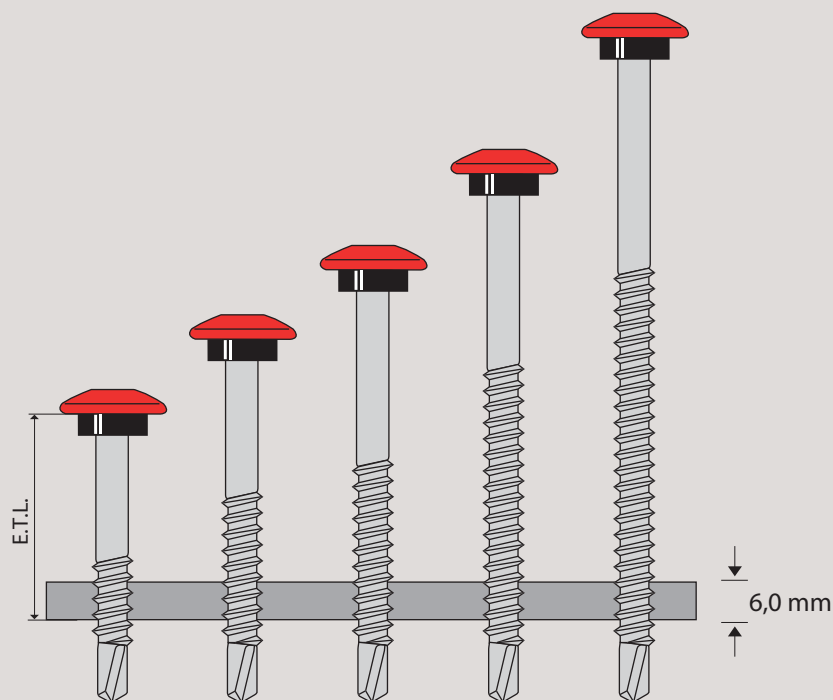
The fastening connection

7020

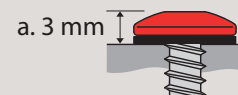
Topex-ufo® drill-screws with DS-drive (DS25), drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.



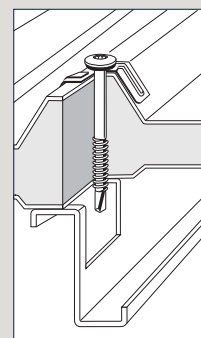
DS25



Length	Ø 5,5 x	38	48	57	70	88	mm
E.T.L.		28	38	47	60	78	mm



Application examples

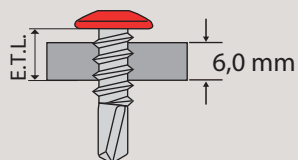


7026

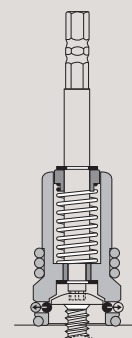
Topex-ufo® drill-screws with Torx-drive (T30), drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.



T30



Length	Ø 6,3 x	19	mm
E.T.L.		9	mm



7970/21 – ufo-screws
special setting tool

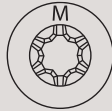
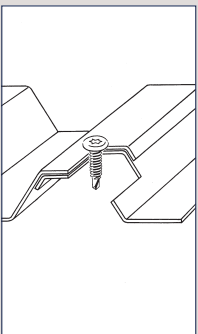
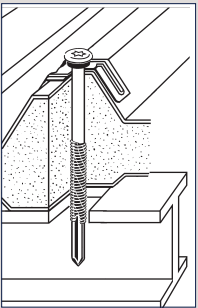
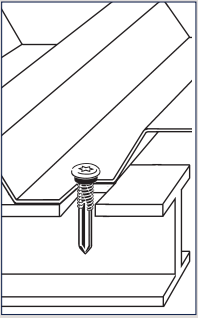
The fastening connection



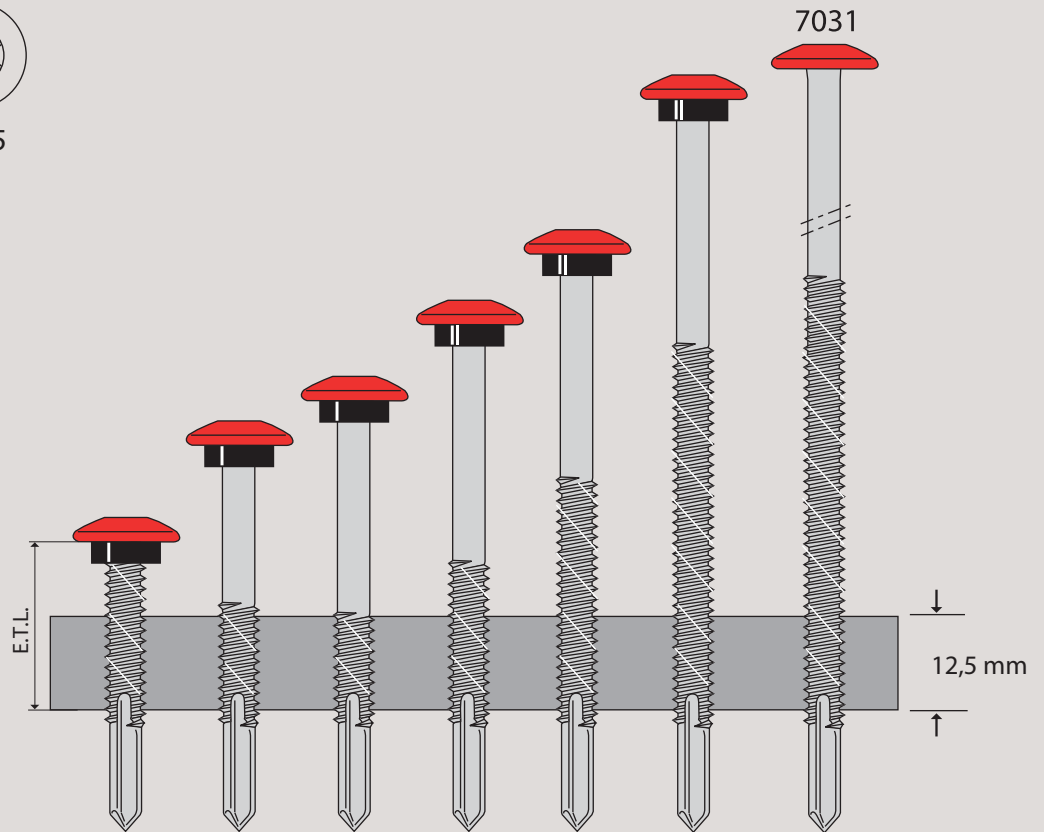
7030 / 7031

Topex-ufo® drill-screws with DS-drive (DS25), drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm. On 7031 the underside of the ufo-head is filled.

Application examples



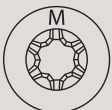
DS25



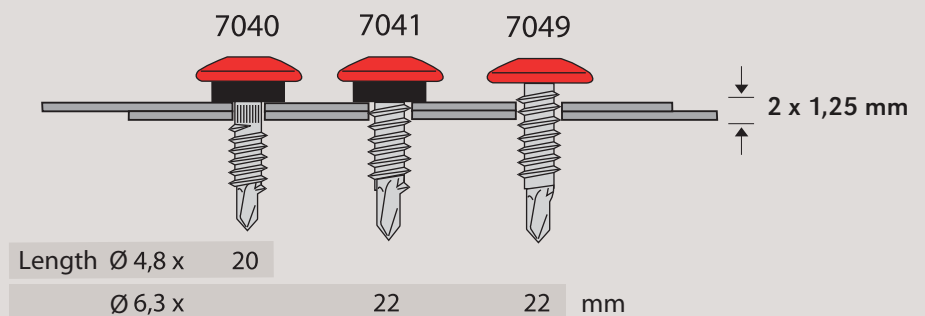
Length Ø 5,5 x	38	51	57	67	76	100	210	mm
E.T.L.	17	30	36	46	55	79	189	mm

7040 / 7041 / 7049

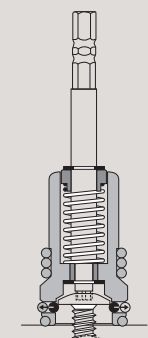
Topex-ufo® drill-screws with DS-drive (DS25), reduced drill-point № 1 (7040 with a spin free zone), for stitching overlapping profiled sheets of maximum 2 x 1,25 mm. On 7049 the underside of the ufo-head is filled and is with a pilot point.



DS25



Length Ø 4,8 x	20		
Ø 6,3 x		22	22
			mm



7970/21 – ufo-screws
special setting tool

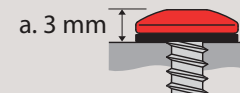
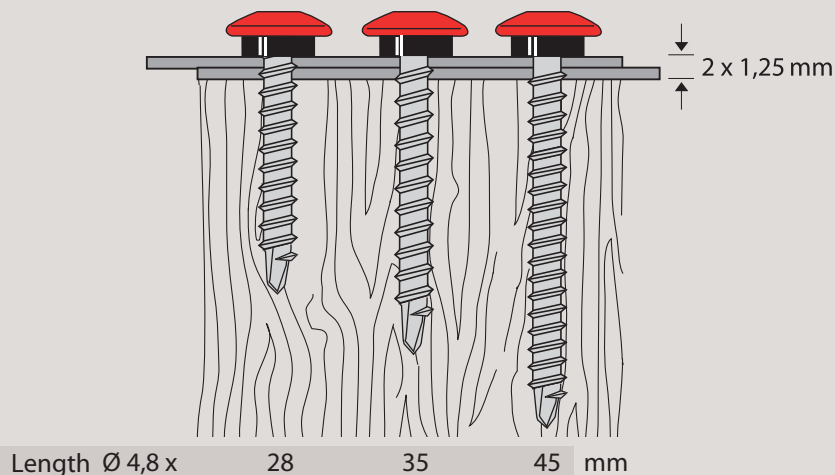
The fastening connection

7060

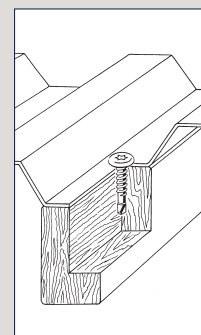
Topex-ufo® drill-screws with DS-drive (DS25), reduced drill-point № 1, for fastening profiled sheets of maximum 2 x 1,25 mm to timber.



DS25

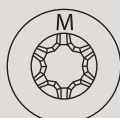


Application examples

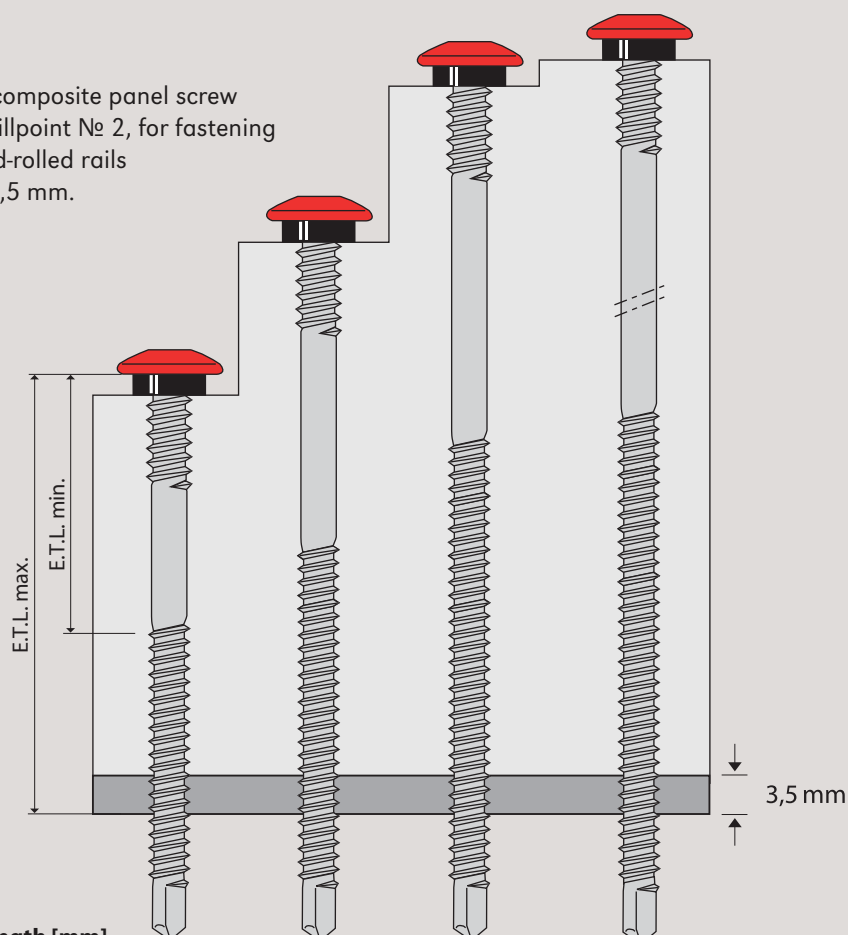


7062

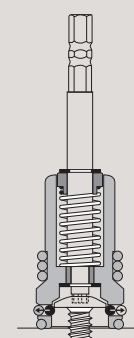
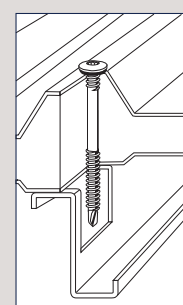
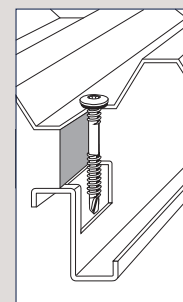
Topex-ufo® high thread composite panel screw with DS-drive (DS25), drillpoint № 2, for fastening composite panels to cold-rolled rails and purlins from 1,2 – 3,5 mm.



DS25



Length [mm]	75	95	115	130
Ø 5,5/6,3 x				
E.T.L. [mm]				
min	39	52	57	72
max	63	83	103	118
To suit insulation thickness [mm]				
min	23	49	54	69
max	60	80	100	115



7970/21 – ufo-screws special setting tool

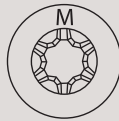
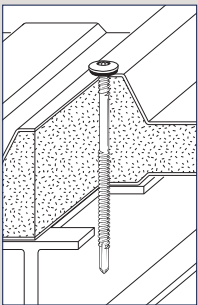
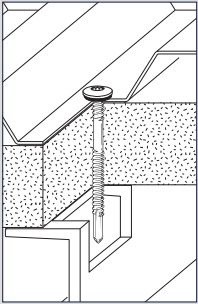
The fastening connection



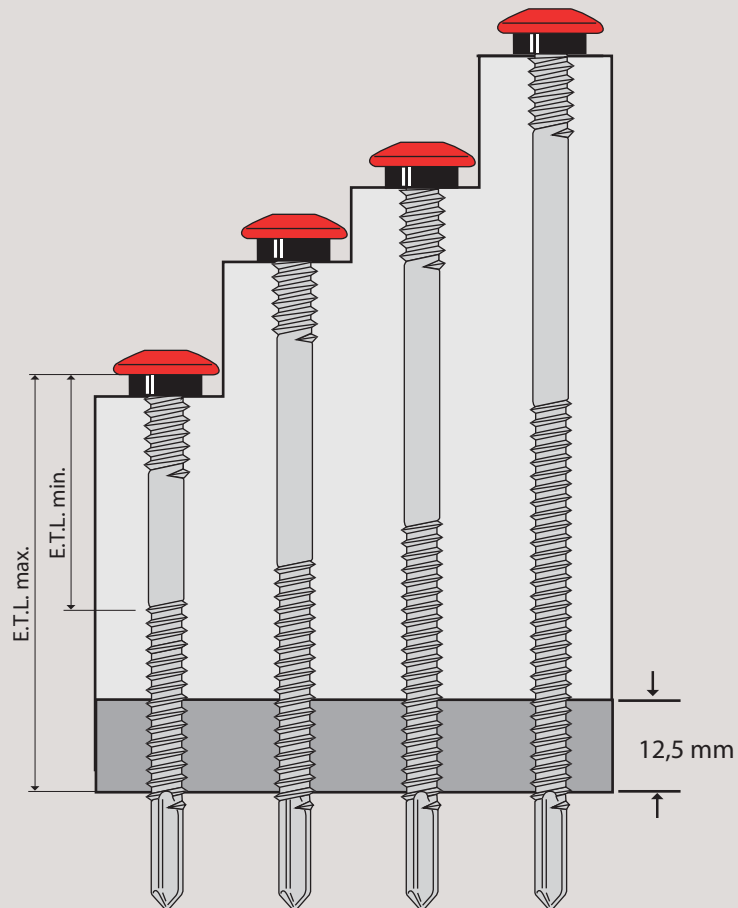
7070

Topex-ufo® high thread composite panel screw with DS-drive (DS25), drill-point № 5, for fastening composite panels to hot-rolled steel from 4,0 – 12,5 mm.

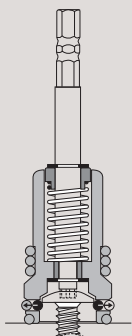
Application examples



DS25



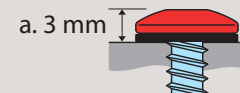
Length [mm]				
Ø 5,5/6,3 x	76	92	102	120
E.T.L. [mm]				
min	43	57	53	71
max	56	72	82	100
To suit insulation thickness [mm]				
min	31	45	41	59
max	44	60	70	88



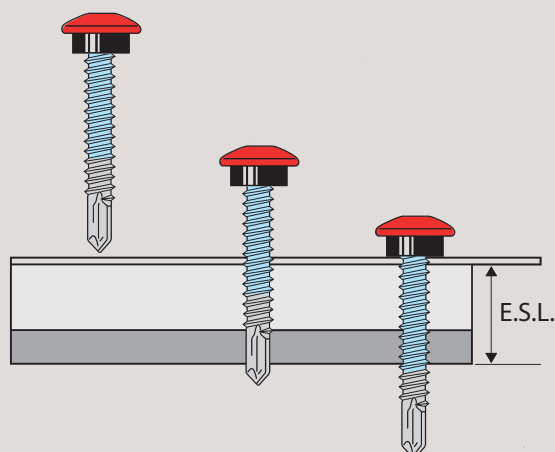
7970/21 – ufo-screws
special setting tool

topex-ufo-piasta® aesthetic low profile stainless steel self-drilling screws

Bi-metal austenitic stainless steel grade 304 / A2 self-drilling-screws with DS drive.

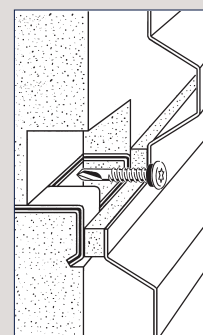
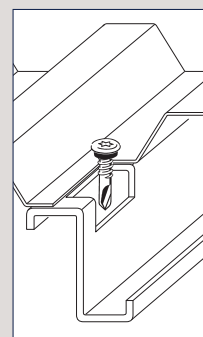


Application examples



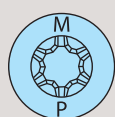
Application:

The stainless part of the topex®-drill-screw must always penetrate through the steel structure that it is being fastened to, thereby ensuring that the stainless steel portion of the screw (E.S.L.) is fully engaged in the steel structure.

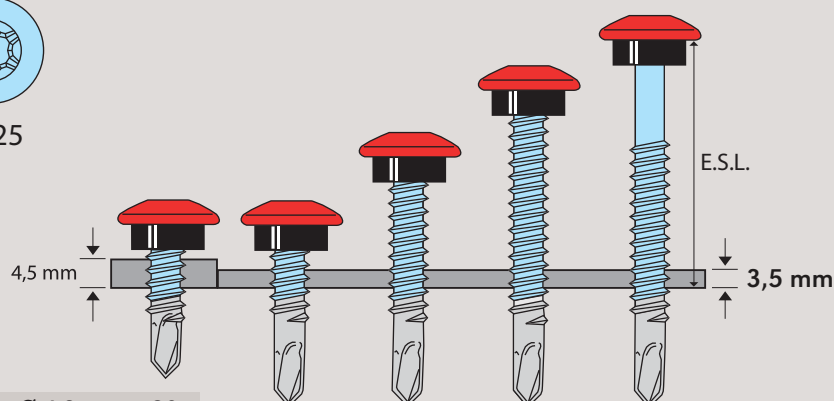


7110

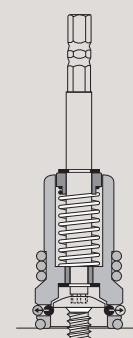
Topex-ufo-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm.



DS25

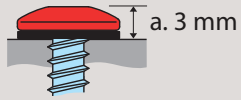


Length Ø 4,8 x	20				
Ø 5,5 x		25	38	50	60 mm
E.S.L.	8	10	18	30	48 mm



7970/21 – ufo-screws special setting tool

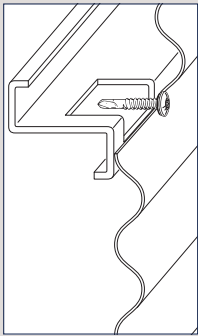
The fastening connection



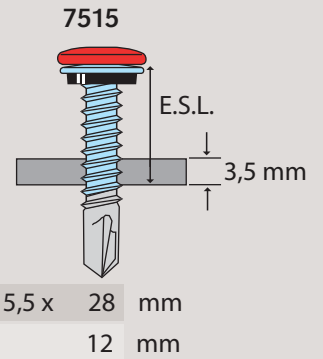
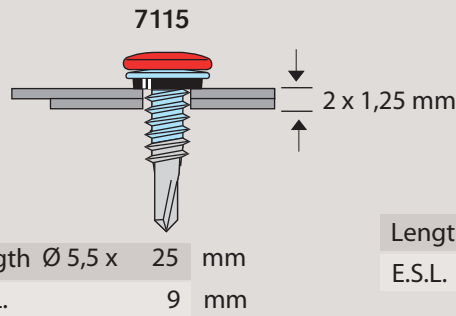
7115 / 7515

Topex-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), reduced drill-point № 1; for stitching overlapping profiled sinusoidal sheets together to a maximum of 2 x 1,25 mm.

Application examples

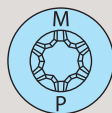
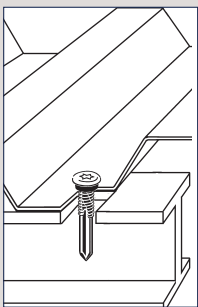


DS25

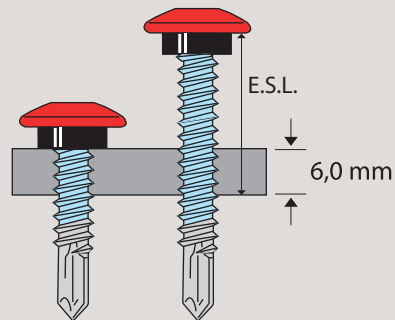


7120

Topex-ufo-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.

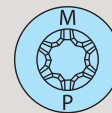
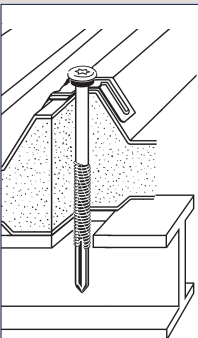


DS25

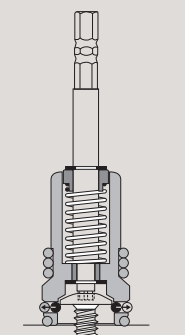
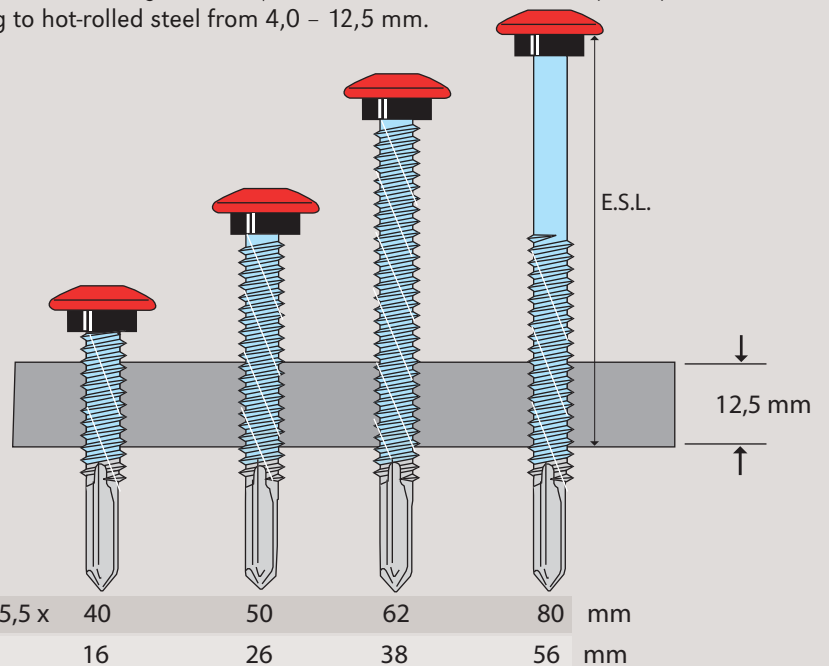


7130

Topex-ufo-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.



DS25

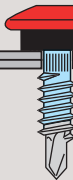
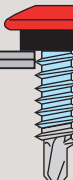
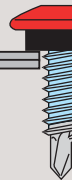
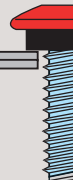
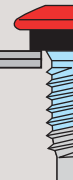



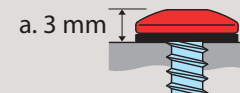
7970/21 – ufo-screws special setting tool

7140 / 7141 / 7142

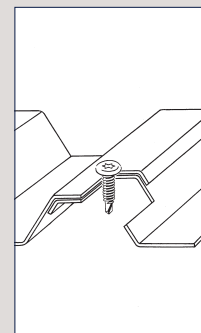
Topex-ufo-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), reduced drill-point № 1 (7140 with a spin free zone), for stitching profiled sheets together to a maximum of 2 x 1,25 mm.



DS25	7140	7141	7141	7141	7142	
						
Length Ø 4,8 x	20	20	20	30		
Ø 5,5 x					23	mm
Ø 6,3 x	25					
E.S.L.	8	13	8	18	8	mm



Application examples

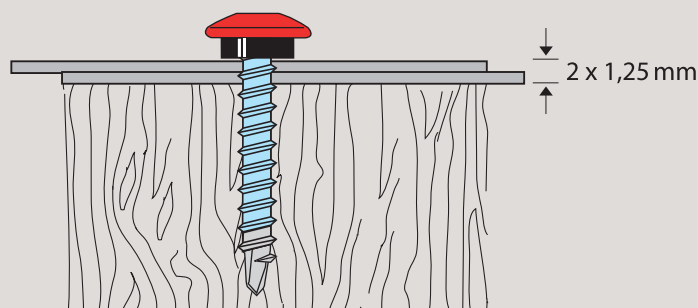


7160

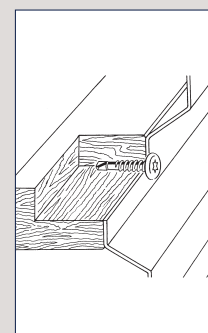
Topex-ufo-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), reduced drill-point № 1 for fastening profiled sheets of maximum 2 x 1,25 mm to timber.



DS25

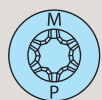


Length Ø 4,8 x	35	mm
E.S.L.	22	mm







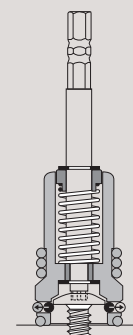
7180 / 7182

Topex-piasta® bi-metal stainless steel grade 304 / A2 drill-screws with DS-drive (DS25), drill-point № 2. (7180) for fastening fibre boards to steel of 0,75 – 2,5 mm and drill-point № 4. (7182) for fastening fibre boards to steel of 2,0 – 6,0 mm.



DS25

	7180		7182	
				
				
	E.S.L.		E.S.L.	
	2,5 mm		6,0 mm	
Length Ø 4,8 x	25	mm	30	mm
E.S.L.	12	mm	15	mm



7970/21 – ufo-screws special setting tool

The fastening connection

topex® carbon low flat head self-drilling screws

Application examples

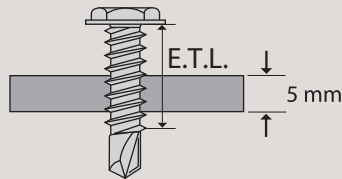
7213 / 7215

Topex®-drill-screws with low-flat-hex-head (SW8), drill-point № 3, for fastening secret fix clips to cold rolled purlins from 1,5 – 5,0 mm. 7215 with drill-point № 4, drill capacity: min. 2 x 1,5 mm and max. 4 x 1,5 mm.



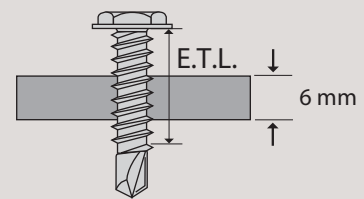
SW8

7213



Length Ø 5,5 x	19 mm
E.T.L.	11 mm

7215



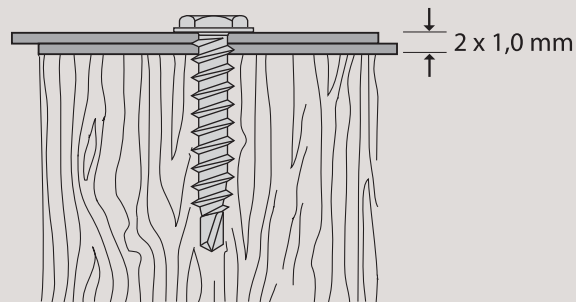
Length Ø 5,5 x	25 mm
E.T.L.	11 mm

7214

Topex®-drill-screws with low-flat-hex-head (SW8), reduced drill-point № 1, for fastening secret fix clips to timber purlins.



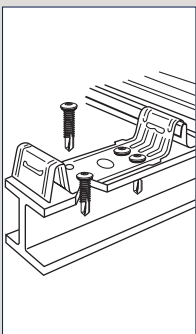
SW8



Length Ø 5,5 x	35 mm
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7270 / 7337

Topex® wafer-head (PH2) drill-screws for fastening secret-fix brackets onto purlins of max. 4,5 mm or max. 12,5 mm thickness.



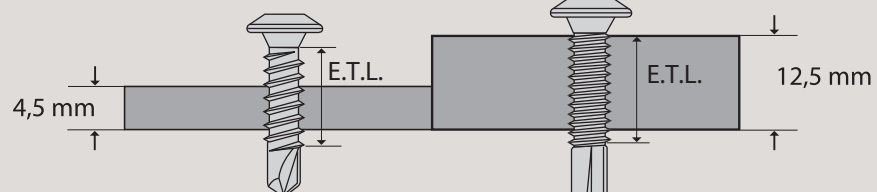
PH2



PH3

7270

7337



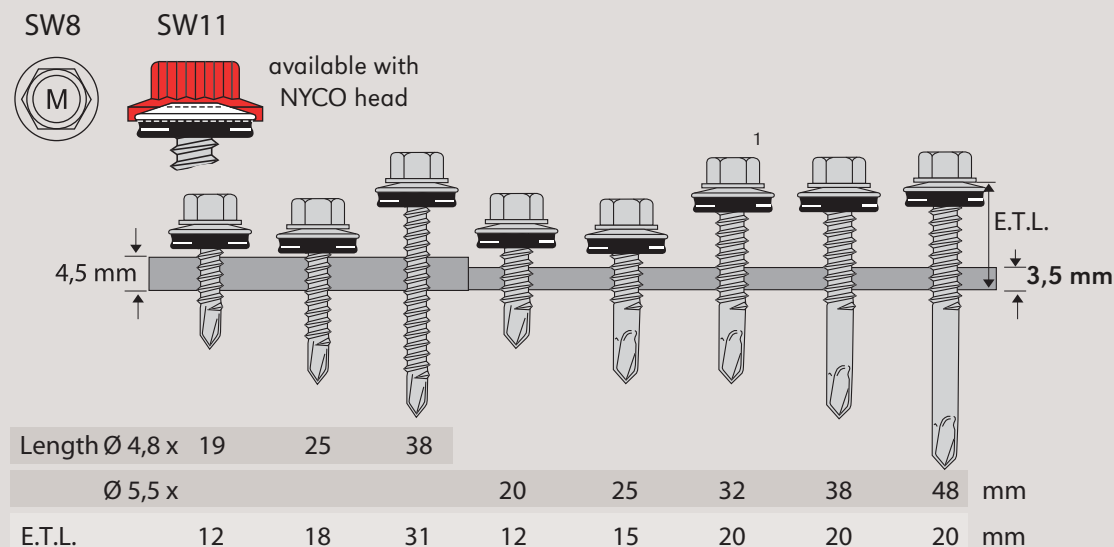
Length Ø 4,8 x	22
Ø 5,5 x	32 mm
E.T.L.	14 mm
	12 mm

topex[®] carbon steel self-drilling-screws for roofing and cladding

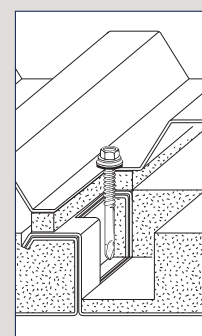
7310

Topex[®]-hex-head (SW8) drill-screws with drill-point № 2, for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm (Ø 5,5) / – 4,5 mm (Ø 4,8).

¹ 7310 in size Ø 5,5 x 32 is also available with NYCO-wings for fastening membrane insulated panels, see page 9.

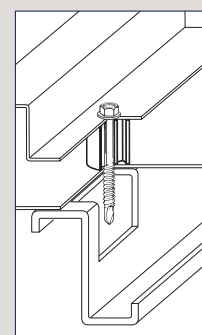
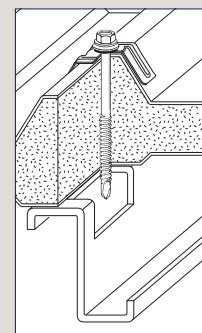
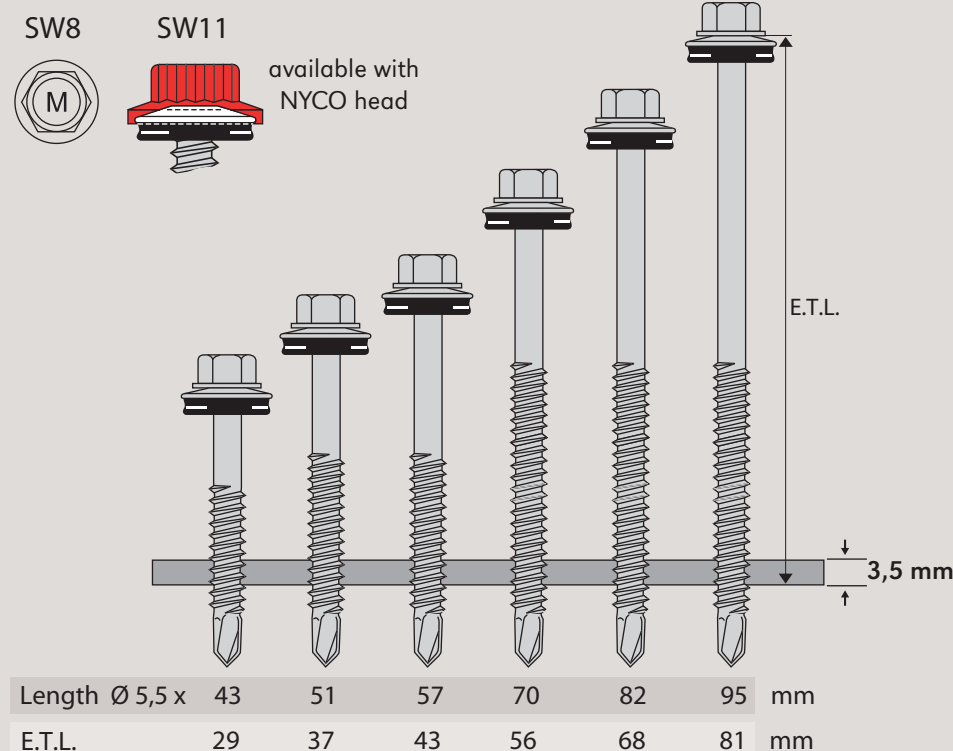


Application examples



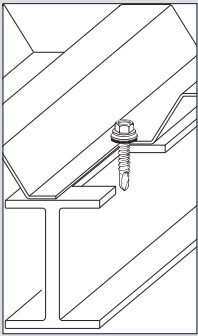
7320

Topex[®]-hex-head (SW8) drill-screws with drill-point № 2, for fastening to cold-rolled rails and purlins from 1,2 – 3,5 mm.



The fastening connection

Application examples



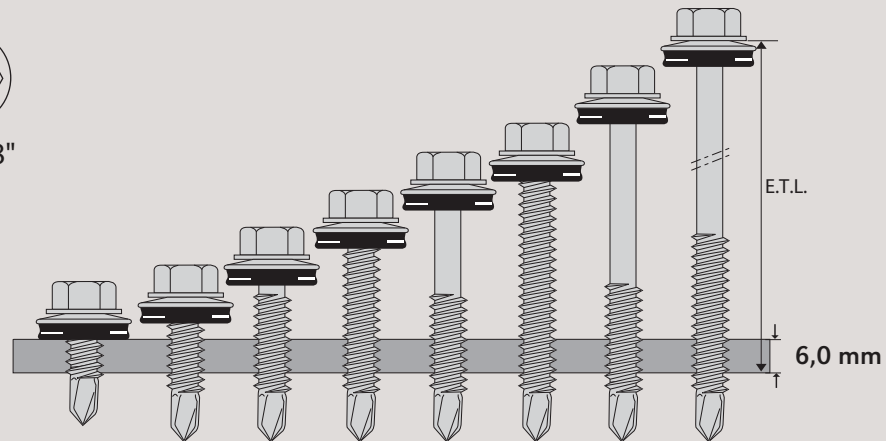
7325

Topex®-hex-head (SW 3/8") drill-screws with drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.

All lengths are also available with SW8 head as «7327» (upon request).



SW 3/8"



Length Ø 6,3 x 19	25	32	38	45	50	60	70	80	100	115	126	mm	
E.T.L.	4	10	17	30	30	35	45	55	65	85	100	111	mm

7330

Topex®-hex-head (SW8) drill-screws with drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.

¹ 7330 in size Ø 5,5 x 38 is also available with NYCO-wings for fastening membrane insulated panels see page 9.

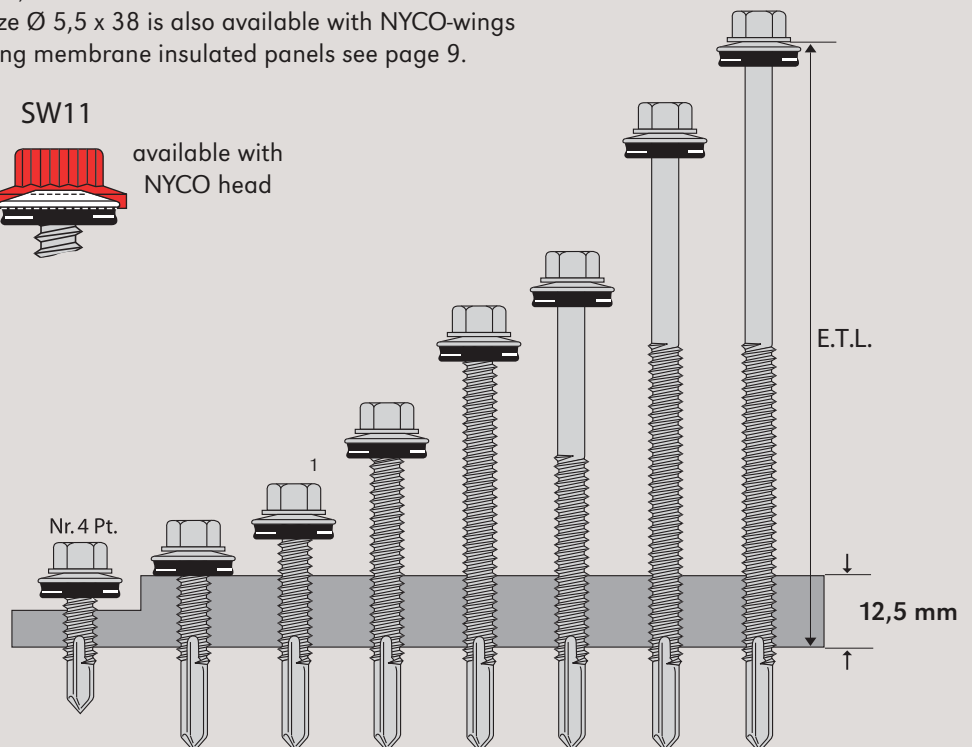
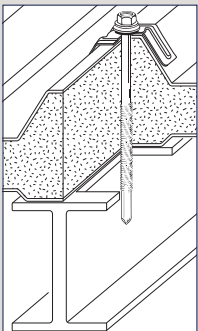
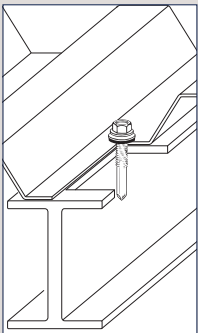


SW8



SW11

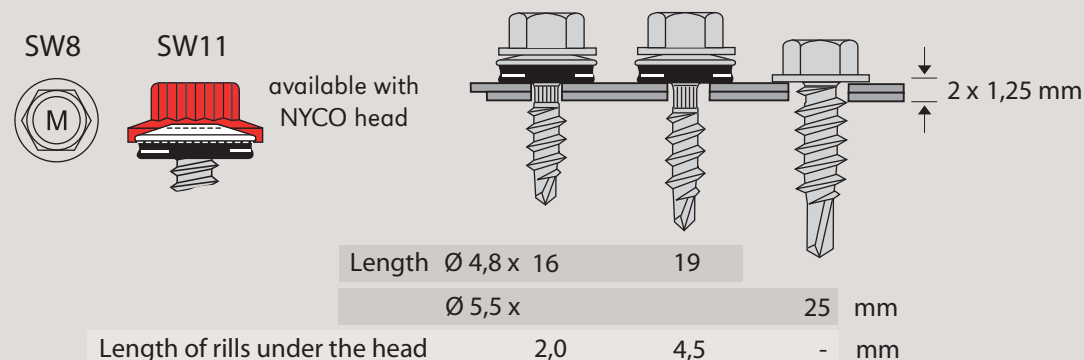
available with
NYCO head



Length	Ø 5,5 x 22	32	38	51	67	76	100	115	mm
	Ø 6,3 x		38	51					
E.T.L.	8	11	17	30	46	55	79	94	mm

7335

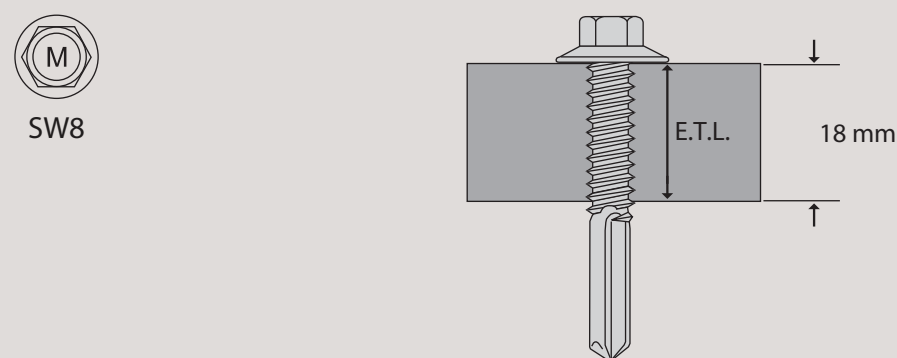
Topex®-hex-head (SW8) drill-screws with reduced drill-point № 1, with spin free zone (Ø 5,5 x 25 mm – without spin free zone), for stitching profiled sheets together to a maximum of 2 x 1,25 mm.



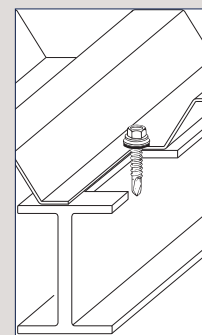
Application examples

7336

Topex®-hex-washer-head (SW8) drill-screws with drill-point № 6, for fastening to hot rolled rails and purlins from 6,0 – 18,0 mm.

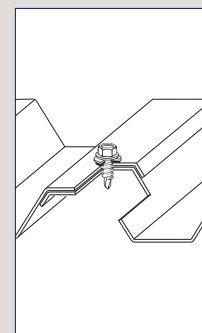
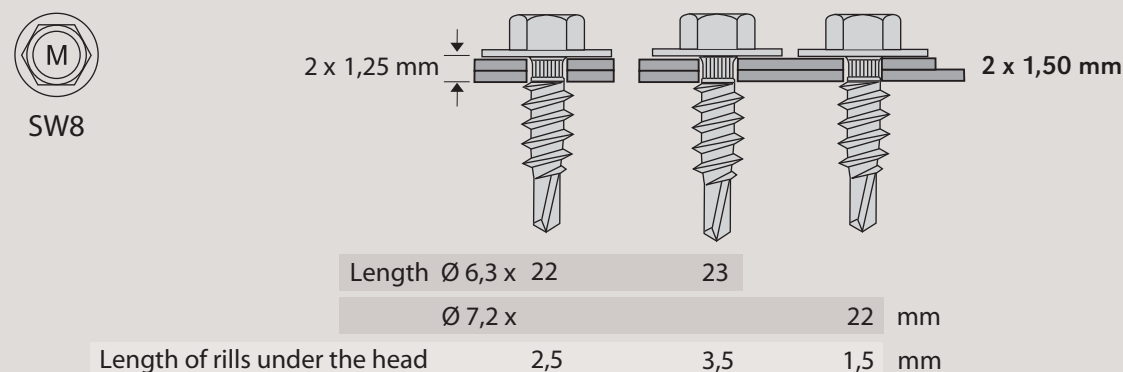


Length	Ø 5,5 x	43	mm with hex-head (SW8)
	Ø 6,3 x	43	mm with hex-washer-head (SW8)
E.T.L.		21	mm



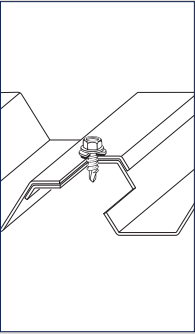
7339

Topex®-hex-washer-head (SW8) drill-screws with reduced drill-point № 1, with spin free zone, with large 15 mm flange for stitching profiled sheets together to a maximum of 2 x 1,25 mm (6,3 x 22) and 2 x 1,50 mm (6,3 x 23; 7,2 x 22).



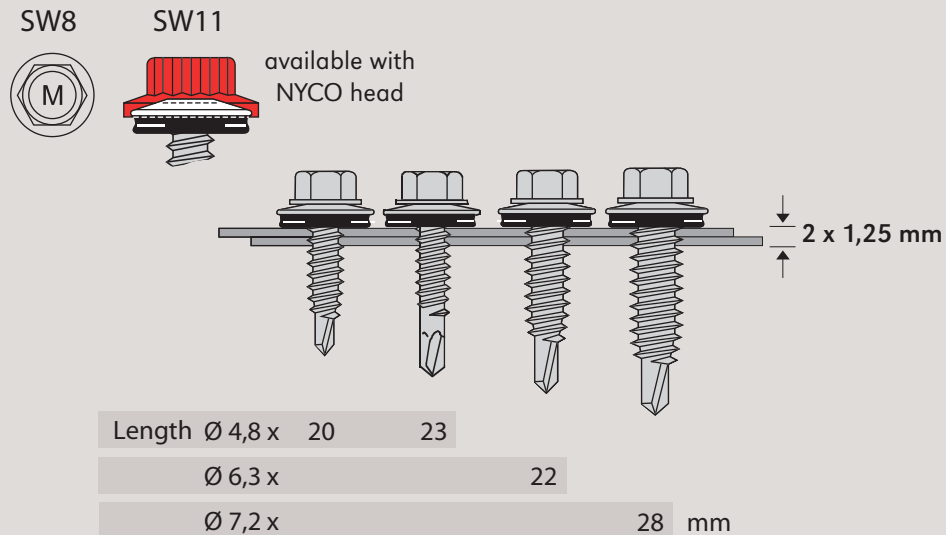
The fastening connection

Application examples



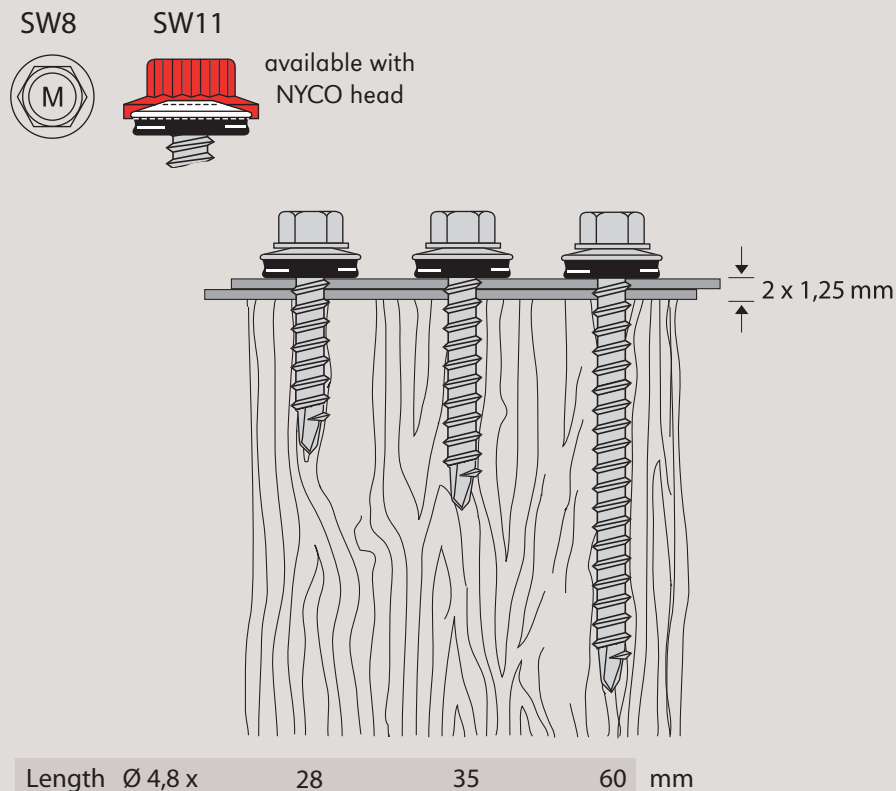
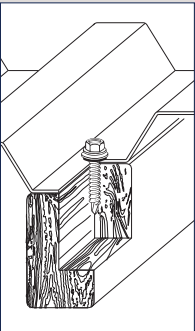
7340

Topex®-hex-head (SW8) drill-screws with reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm.



7341

Topex®-hex-head (SW8) drill-screws with reduced drill-point № 1, for fastening profiled sheets to a timber substrate.

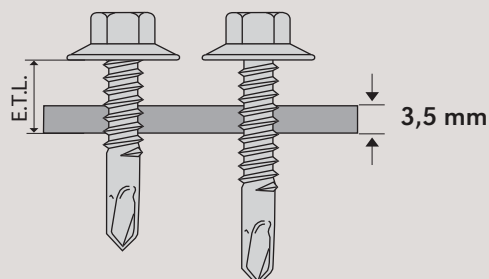


7342

Topex®-hex-washer-head (SW8) drill-screws with large 15 mm flange and reduced drill-point № 2, for fastening to cold-rolled rails and purlins from 1,2 – 3,5 mm.
Also available with EPDM sealing ring.

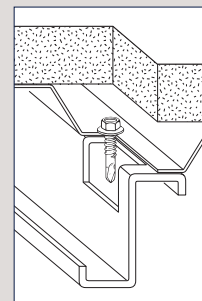


SW8



Length Ø 5,5 x	25	32	mm
E.T.L.	6	14	mm

Application examples

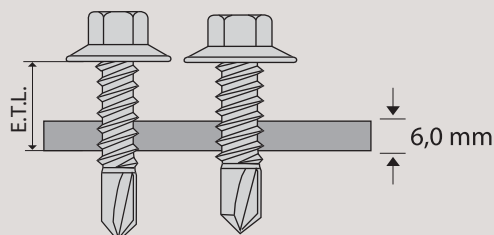


7343

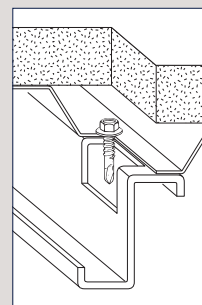
Topex®-hex-washer-head (SW8) drill-screws with large 15 mm flange and drill-point № 3, for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.
Also available with EPDM sealing ring.



SW8



Length Ø 5,5 x	25		
Ø 6,3 x		22	mm
E.T.L.	14	10	mm

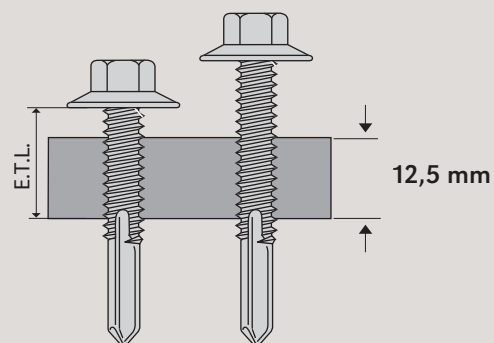


7344

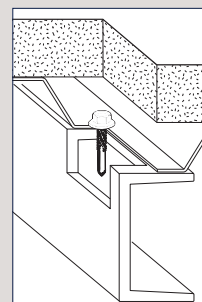
Topex®-hex-washer-head (SW8) drill-screws with large 15 mm flange and drill-point № 5, for fastening to hot-rolled steel from 4,0 – 12,5 mm.
Also available with EPDM sealing ring.



SW8

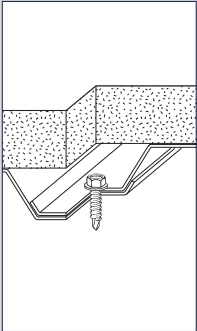


Length Ø 5,5 x	32	38	mm
E.T.L.	11	17	mm



The fastening connection

Application examples



7346

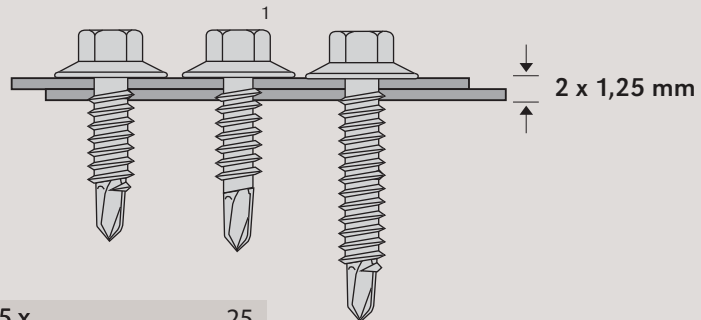
Topex®-hex-washer-head (SW8) drill-screws with large 15 mm flange and reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm.

¹ 7346 5,5 x 25 with pilot point. Drill capacity: min. 2 x 0,50 to 2 x 1,50 mm.

Also available with EPDM sealing ring.



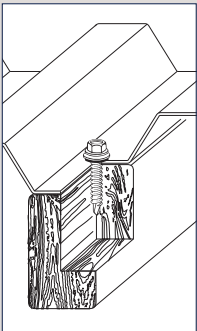
SW8



Length	Ø 5,5 x	25	
	Ø 6,3 x	22	32 mm

7347

Topex®-hex-head (SW8) drill-screws with reduced drill-point № 1, for fastening profiled sheets to a timber substrate.



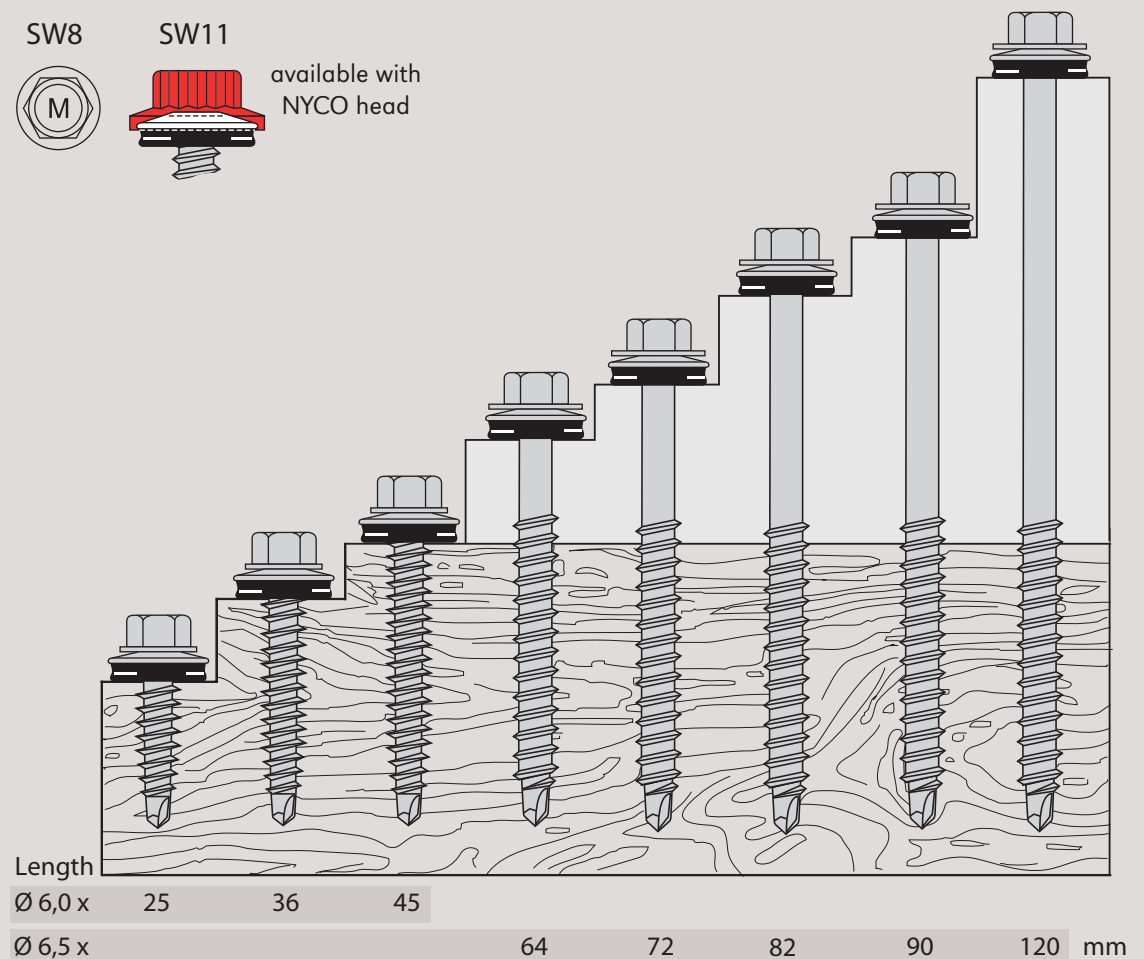
SW8



SW11



available with
NYCO head

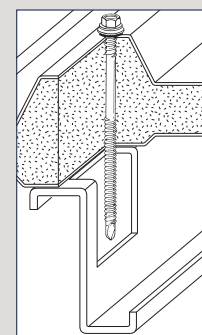
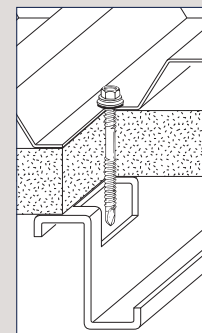
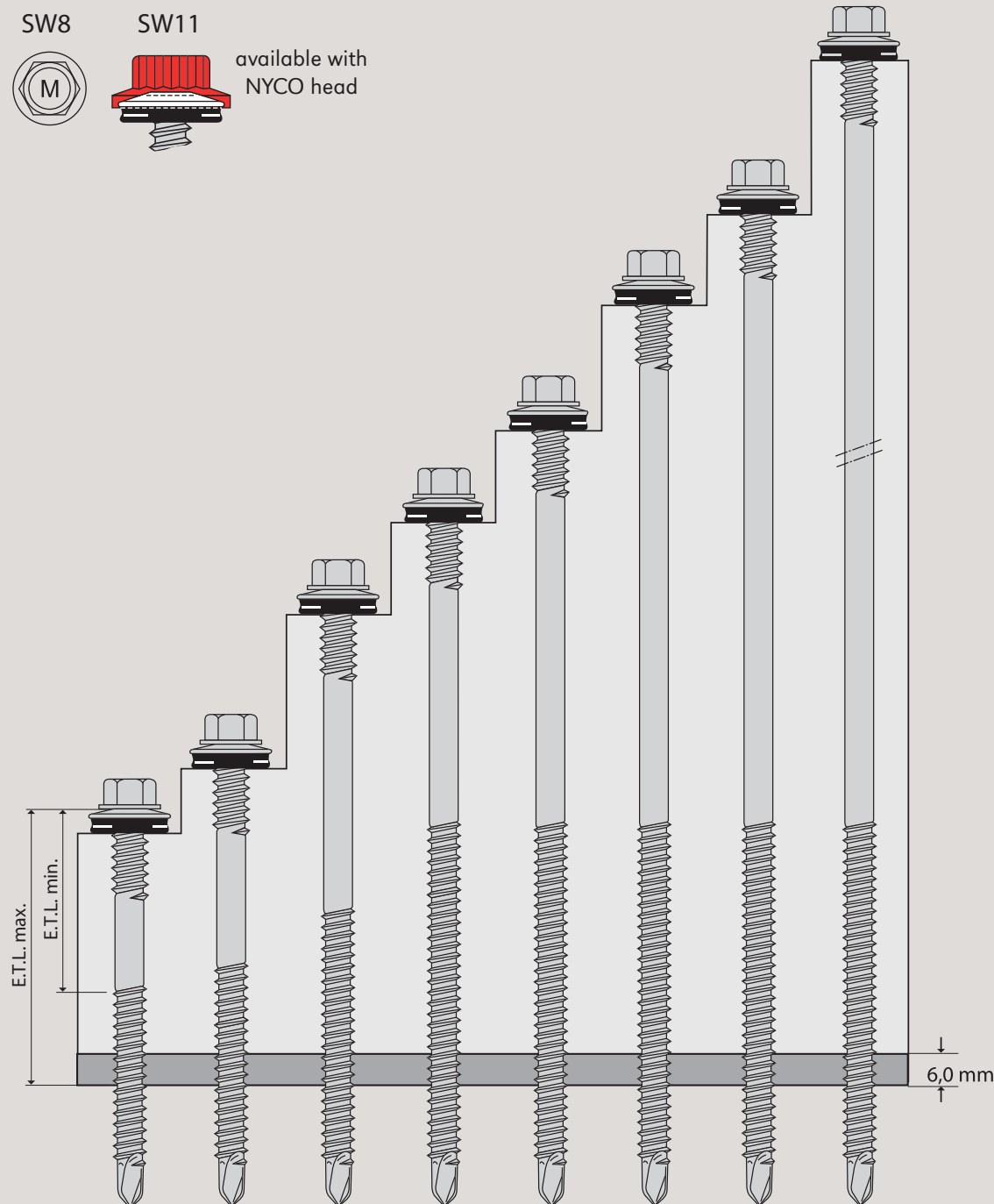


The fastening connection

7360

Topex®-hex-head (SW8) drill-screws with drill-point № 3, with highthread, Ø 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,5 – 6,0 mm.

Application examples



Length [mm]

Ø 5,5/6,3 x 60	75	100	115	130	150	165	190	220
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E.T.L. [mm]

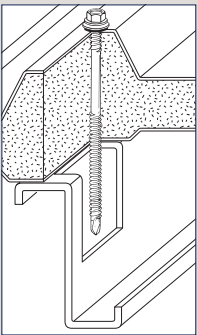
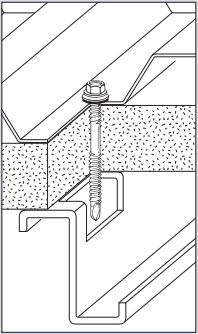
min	27	37	55	55	70	90	105	113	133
max	44	59	84	99	114	134	149	174	194

To suit insulation thickness [mm]

min	21	31	49	49	64	84	99	107	137
max	38	53	78	93	108	128	143	168	188

The fastening connection

Application examples



7362

Topex®-hex-head (SW8) drill-screws with drill-point № 2, with highthread, Ø 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,2 – 3,5 mm.

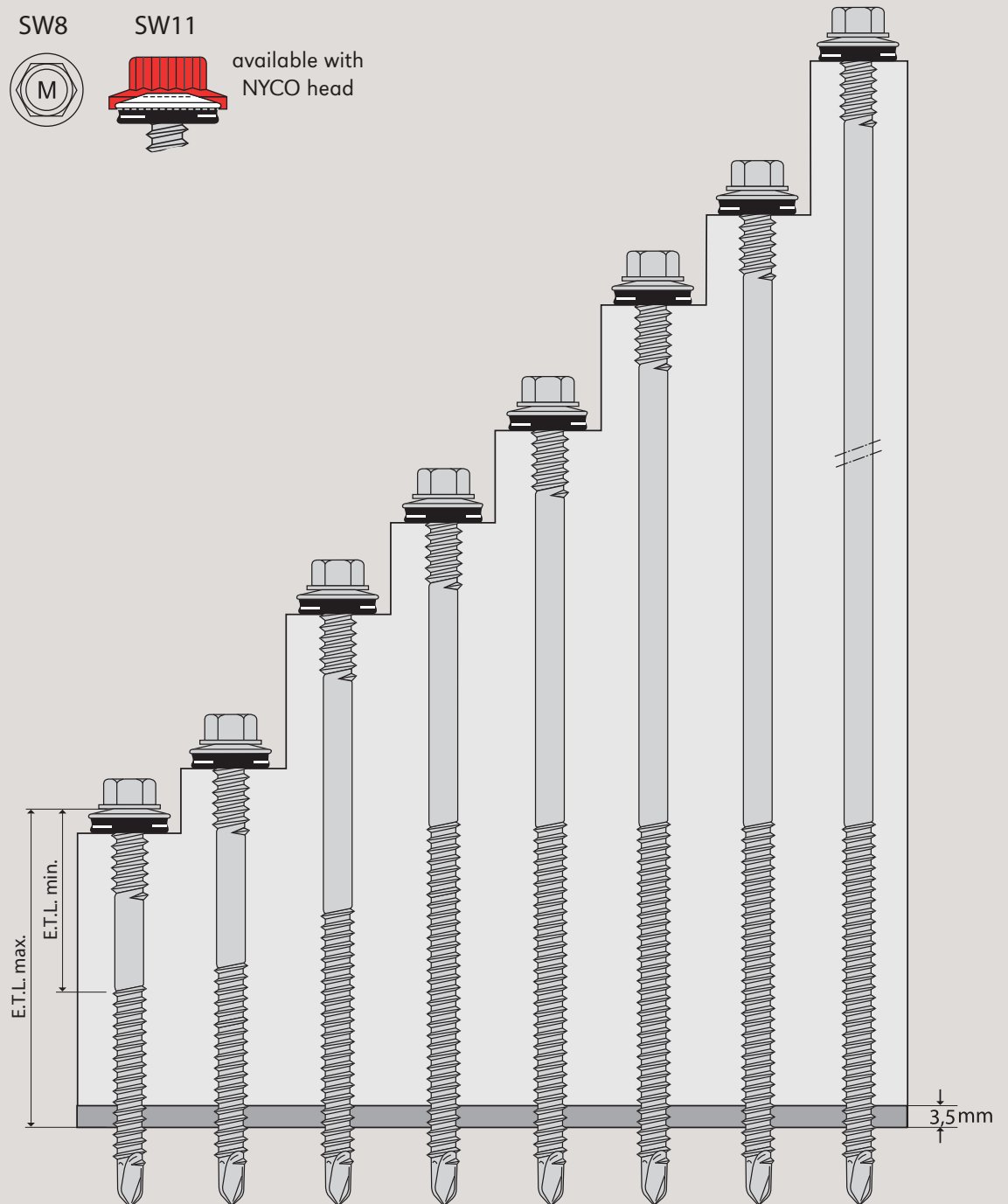
SW8



SW11



available with
NYCO head



Length [mm]

Ø 5,5/6,3 x 60	75	100	115	130	150	165	190
----------------	----	-----	-----	-----	-----	-----	-----

E.T.L. [mm]

min	27	37	55	55	70	90	105	113
max	46	61	86	101	116	136	151	176

To suit insulation thickness [mm]

min	24	24	52	52	67	87	102	110
max	42	57	82	97	112	132	147	172

The fastening connection

7370

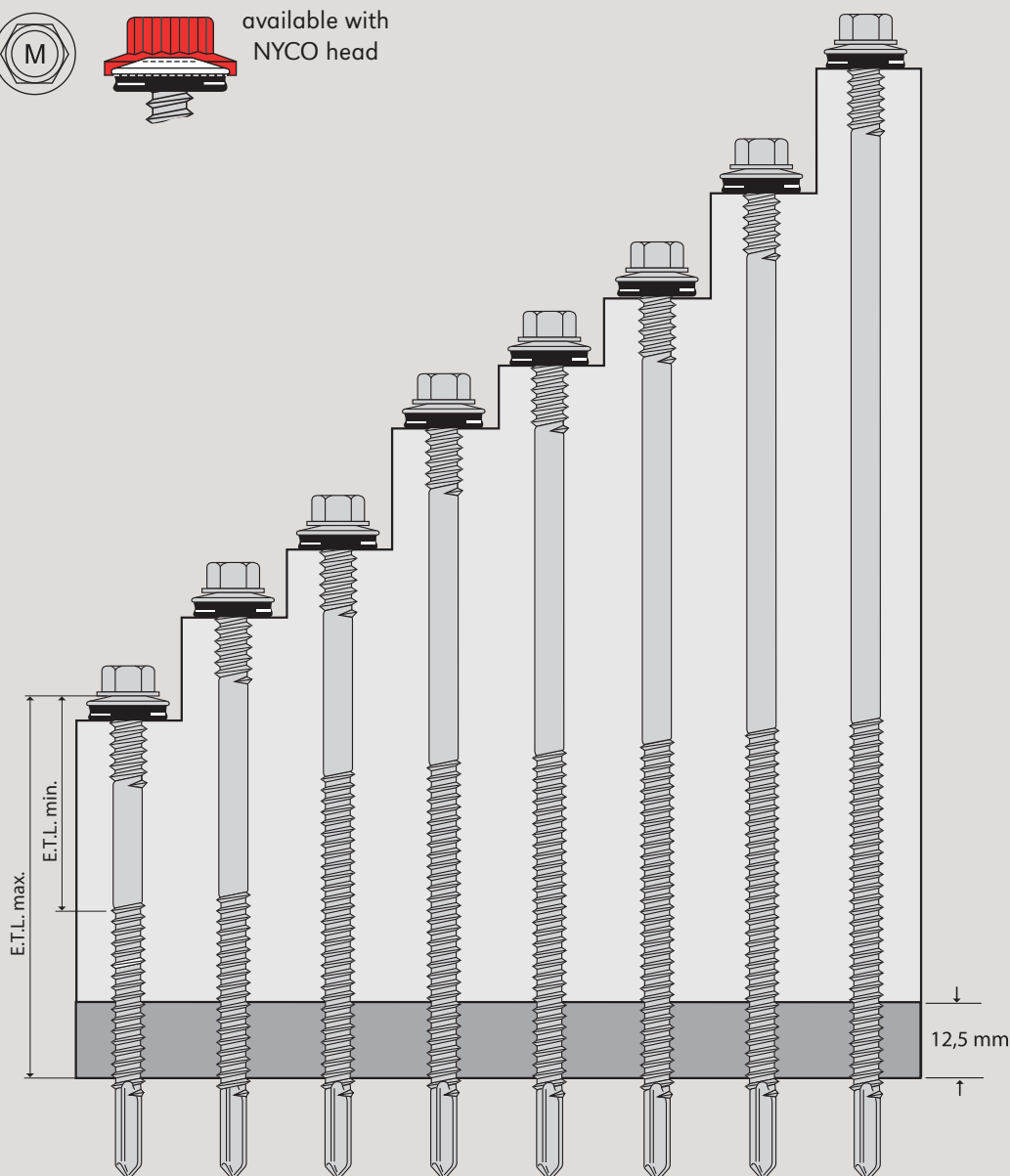
Topex®-hex-head (SW8) drill-screws with drill-point № 5, with highthread, Ø 5,5/6,3 mm, for fastening composite panels to hot-rolled steel from 4,0 – 12,5 mm.

SW8

SW11



available with
NYCO head



Length [mm]

Ø 5,5/6,3 x 76 92 102 120 130 140 155 175 190 210 240

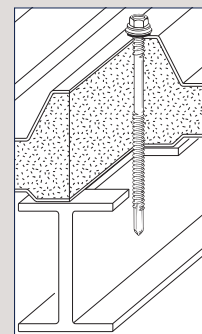
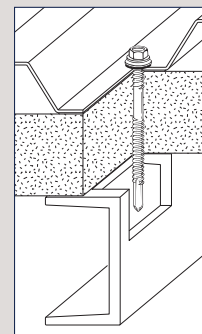
E.T.L. [mm]

	76	92	102	120	130	140	155	175	190	210	240
min	39	55	51	69	79	89	104	124	113	133	163
max	54	70	80	98	108	118	133	153	168	188	218

To suit insulation thickness [mm]

	76	92	102	120	130	140	155	175	190	210	240
min	27	43	39	57	67	77	92	112	101	121	151
max	42	58	68	86	96	106	121	141	156	176	206

Application examples



The fastening connection

Application examples

7380

Topex®-hex-head (SW8) drill-screws with reduced drill-point №1, with high-thread Ø 6,0/7,0 mm, for fastening composite panels to timber purlins.

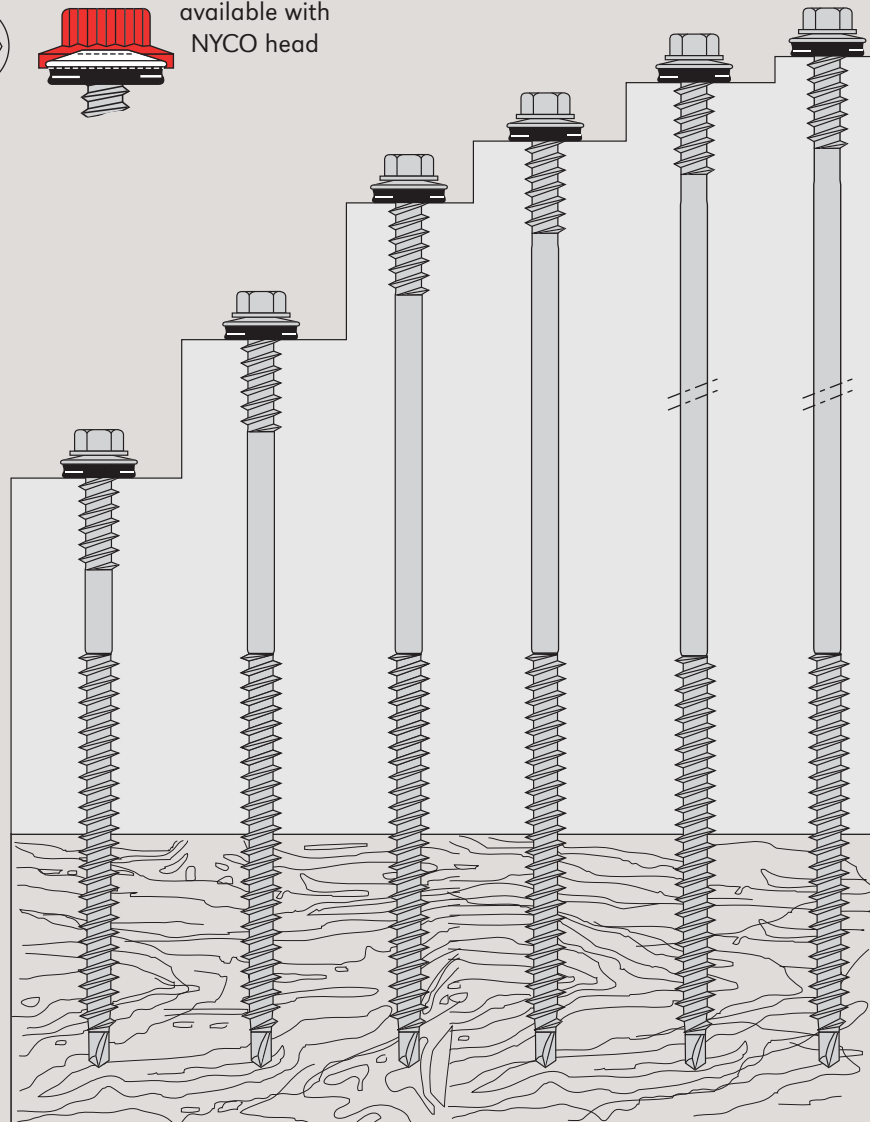
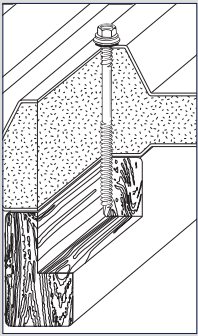
SW8



SW11



available with
NYCO head



Length [mm]

Ø 6,0/7,0 x 90	110	130				
Ø 6,5/7,0 x			150	175	200	

To suit insulation thickness [mm]

min	25	45	65	85	110	135
max	40	60	80	100	125	150

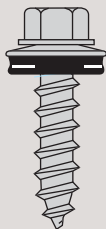
topex® carbon steel self-tapping screws

7353

Topex® self-tapping-hex-head (SW8) screws, **type A**, for fastening steel profiles to timber substrate or to cold-rolled rails and purlins up to a maximum of 3,0 mm.



SW8



Recommended drill-bit diameters for type A self-tapping screws

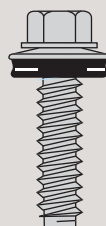
Profile Thickness [mm]	Drill-bit Ø [mm]
0,63 – 0,75	4,00
0,88 – 1,25	4,50
1,50 – 2,00	5,00
2,00 – 3,00	5,70
timber substrate	4,80

7373

Topex® self-tapping-hex-head (SW8) screws, **type B**, for fastening steel profiles to cold-rolled steel over 3,0 mm. The first 5 mm's of the screw must always penetrate through the steel structure it is fastened to.



SW8



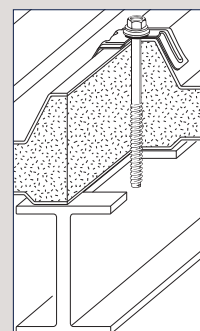
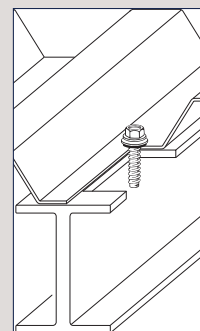
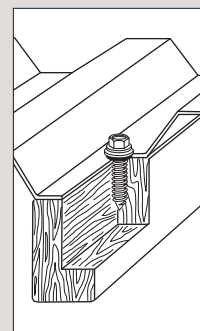
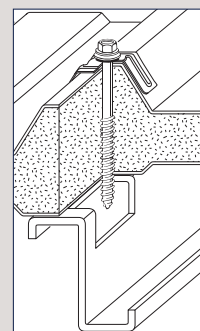
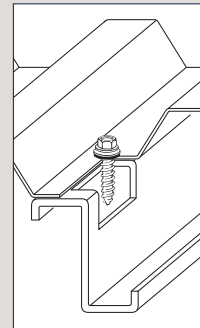
Recommended drill-bit diameters for type B self-tapping screws

Profile Thickness [mm]	Drill-bit Ø [mm]
1,25 – 1,50	5,00
2,00 – 4,00	5,30
4,00 – 7,00	5,50
more than 7,00	5,70

Art. 7353 (Ø 6,5) / 7373 (Ø 6,3): Dimensions / Lengths

6,5 / 6,3 x 20 mm
6,5 / 6,3 x 25 mm
6,5 / 6,3 x 32 mm
6,5 / 6,3 x 38 mm
6,5 / 6,3 x 45 mm
6,5 / 6,3 x 50 mm
6,5 / 6,3 x 65 mm
6,5 / 6,3 x 75 mm
6,5 / 6,3 x 90 mm
6,5 / 6,3 x 100 mm
6,5 / 6,3 x 115 mm
6,5 / 6,3 x 125 mm
6,5 / 6,3 x 150 mm
6,5 / 6,3 x 175 mm
6,5 / 6,3 x 200 mm

Application examples

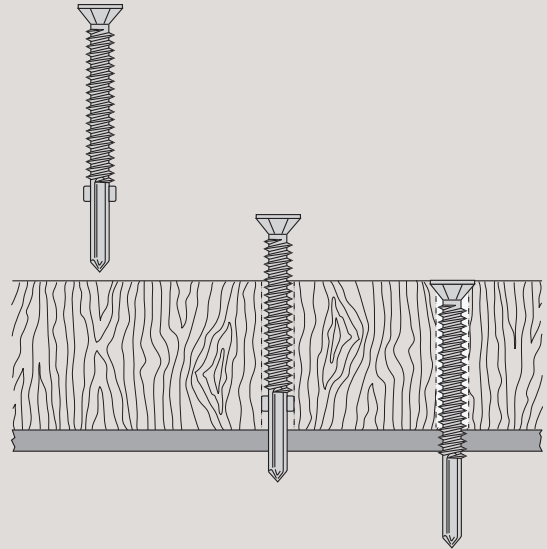


Application examples

topex® carbon steel winged self-drilling screws

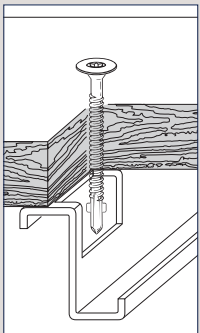
Product application





The wing-tipped-screw reams a hole through the timber. Upon penetration into the steel the wings break away.



7410 / 7411 / 7412

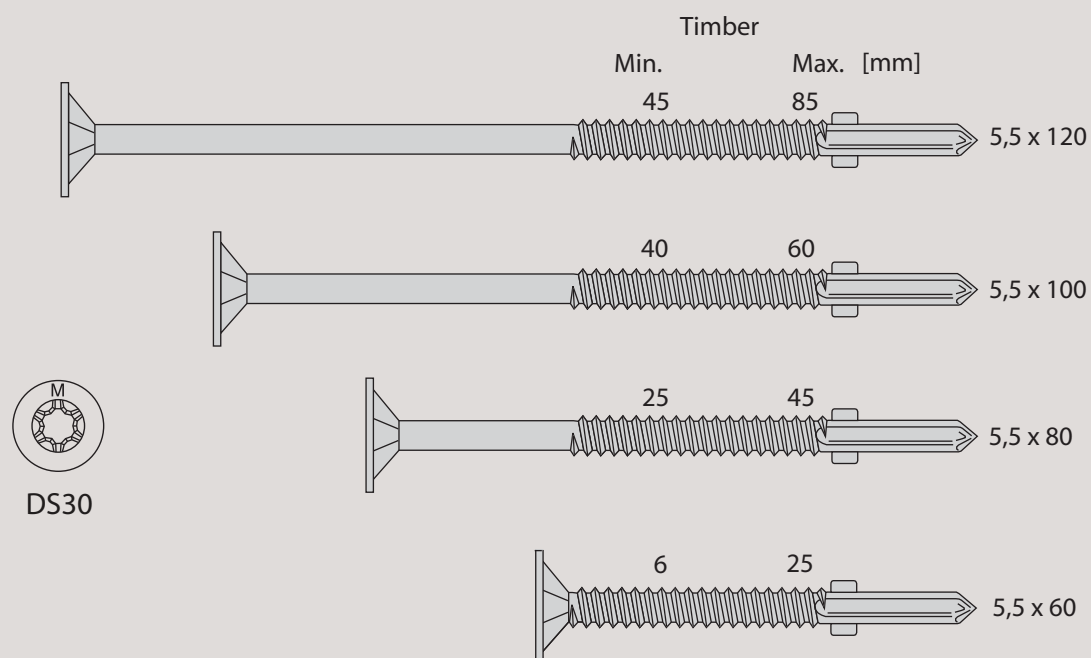
Topex®-drill-screws with ribbed-countersunk-head, and wings, with PH3 drive (7410), with Torx 30 drive (7411) and with DS drive (7412), for fastening timber to steel substrate from 1,5 – 5,0 mm.



		Timber		Max [mm]	
		Min	Max		
7411		T30	45	100	5,5 x 120
		T30	45	80	5,5 x 100
		T30	25	60	5,5 x 80
7412		DS25	30	45	5,5 x 60
		DS25	15	35	5,5 x 50
		DS25	15	25	4,8 x 45
7410		PH3	10	21	5,5 x 38
7412		DS25	10	21	4,8 x 38
		DS20	5	18	4,2 x 32
		DS15	5	15	3,9 x 25

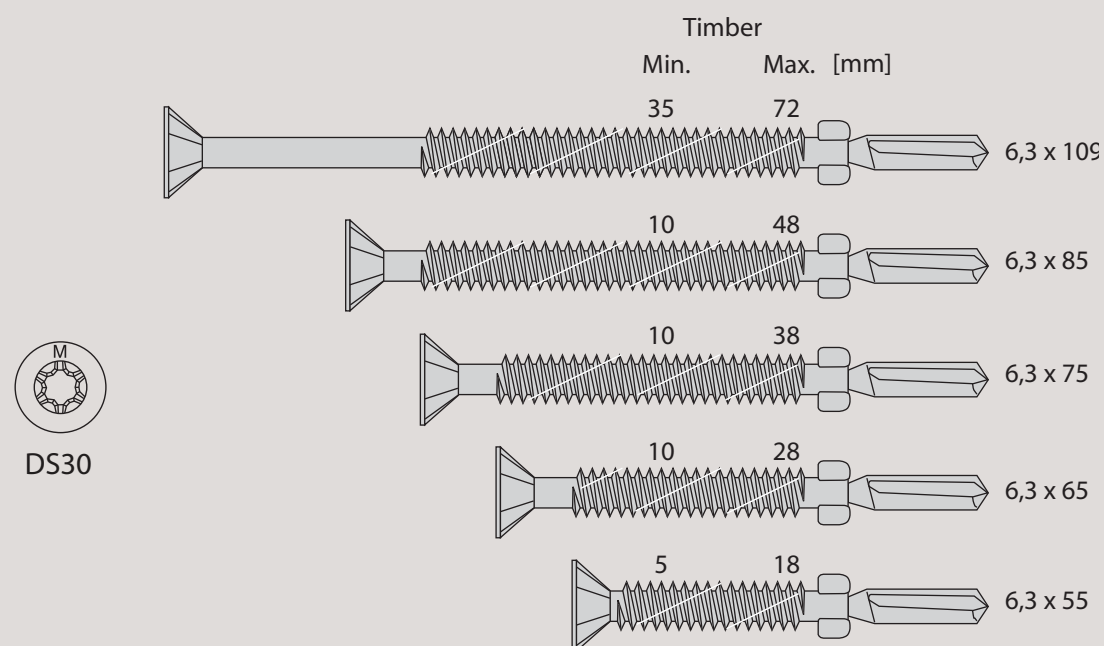
7415

Topex®-drill-screw with ribbed-countersunk-head, and wings, for fastening timber to steel substrate from 4,0 – 12,5 mm.



7425

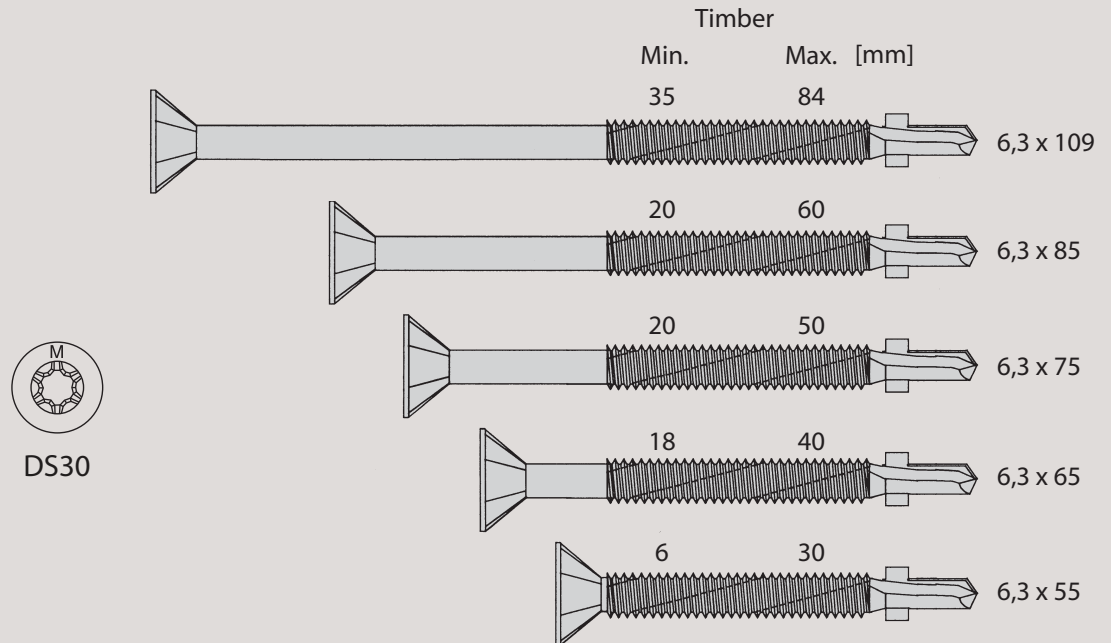
Topex®-drill-screws with ribbed-countersunk-head, with wings, and with DS drive, for fastening timber to steel substrate from 4,0 – 10,0 mm.



The fastening connection

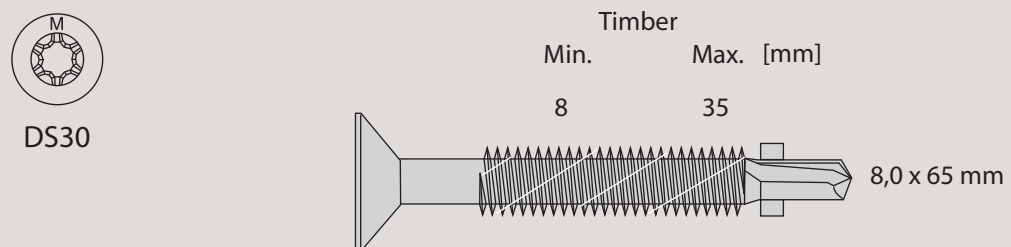
7426

Topex®-drill-screw with ribbed-countersunk-head, with wings, and with DS drive, for fastening timber to steel substrate from 1,5 – 6,0 mm.



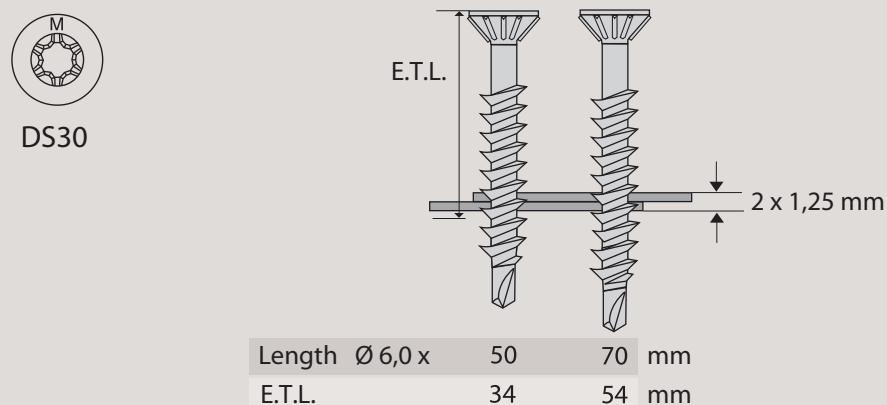
7428

Topex®-drill-screw with ribbed-countersunk-head, with wings, and with DS drive (DS30), for fastening timber to steel substrate from 2,0 – 6,0 mm.
(Other lengths available on request).



7431

Topex®-drill-screw with countersunk-head, with DS-drive (DS30), drill-point № 1, for fastening timber battens to composite panels.



7441 Dural 1000 Plus

Topex®-hex-washer-head (SW8) drill-screws with drill-point № 3, with wings,
for fastening fibre-cement corrugated sheets to steel structures from 1,5 – 6,0 mm.

Recommended drill speed: 1600 – 2000 rpm.

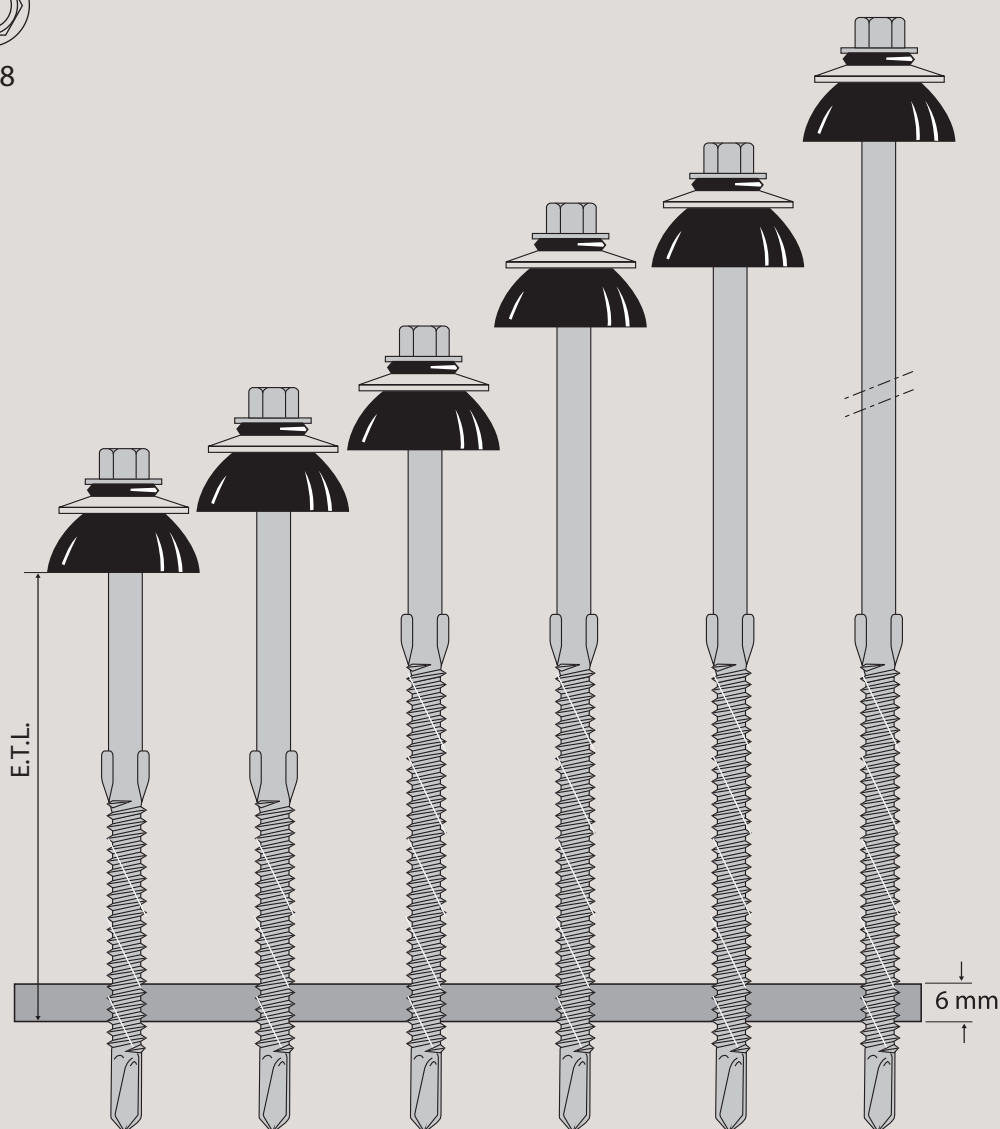
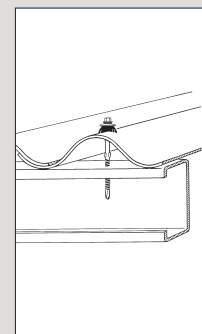
7441 with the length 105 mm is also available with big wings as «7442» (upon request).

7441 with the length 115 mm is also available in bi-metal as «7442» (upon request).

Application examples



SW8



Length Ø 6,3 x 105	115	125	145	155	175	195	230	mm
E.T.L.	75	85	95	115	125	145	165	200 mm

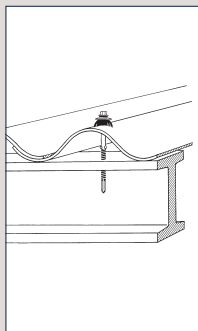
Application examples

7451 Dural 1000 Plus

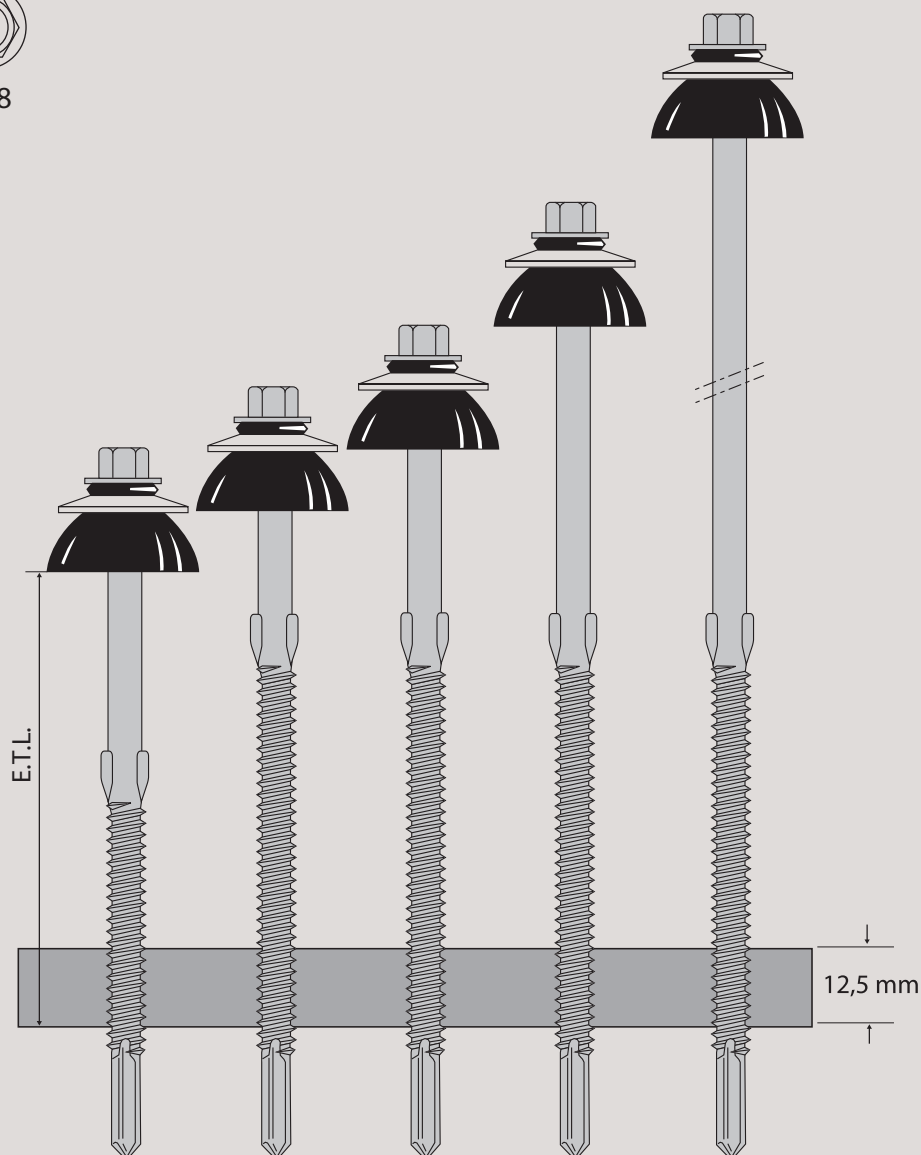
Topex®-hex-washer-head (SW8) drill-screws with drill-point № 5, with wings, for fastening fibre-cement corrugated sheets to steel structures from 4,0 – 12,5 mm.

Recommended drill speed: 1000 – 1600 rpm.

7451 with the length 110 is also available with big wings as «7452» (upon request).



SW8



Length Ø 6,3 x 110	120	130	150	180	200	235	mm
E.T.L.	75	85	95	115	145	165	200 mm

7456 Dural 1000 Plus or Hot-dip galvanized

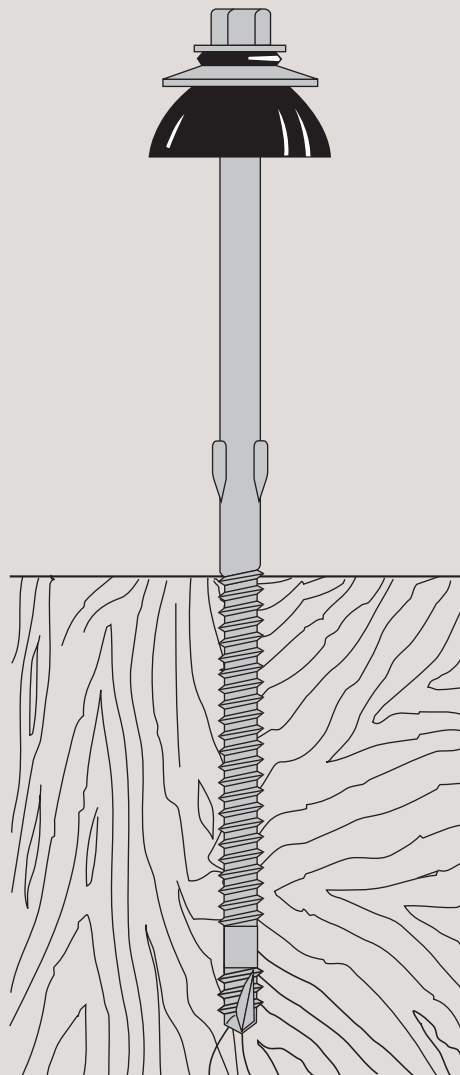
Topex®-hex-washer-head (SW8) drill-screws with special drill-point, with wings, for fastening fibre-cement corrugated sheets to timber purlins.

Recommended drill speed: 800 – 1000 rpm.

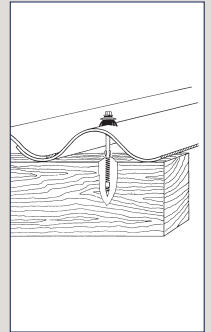
Application examples



SW8

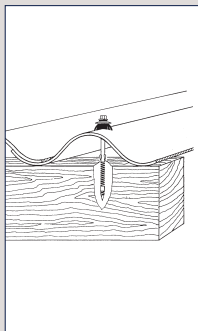


Length Ø 6,5 x 130 mm



The fastening connection

Application examples

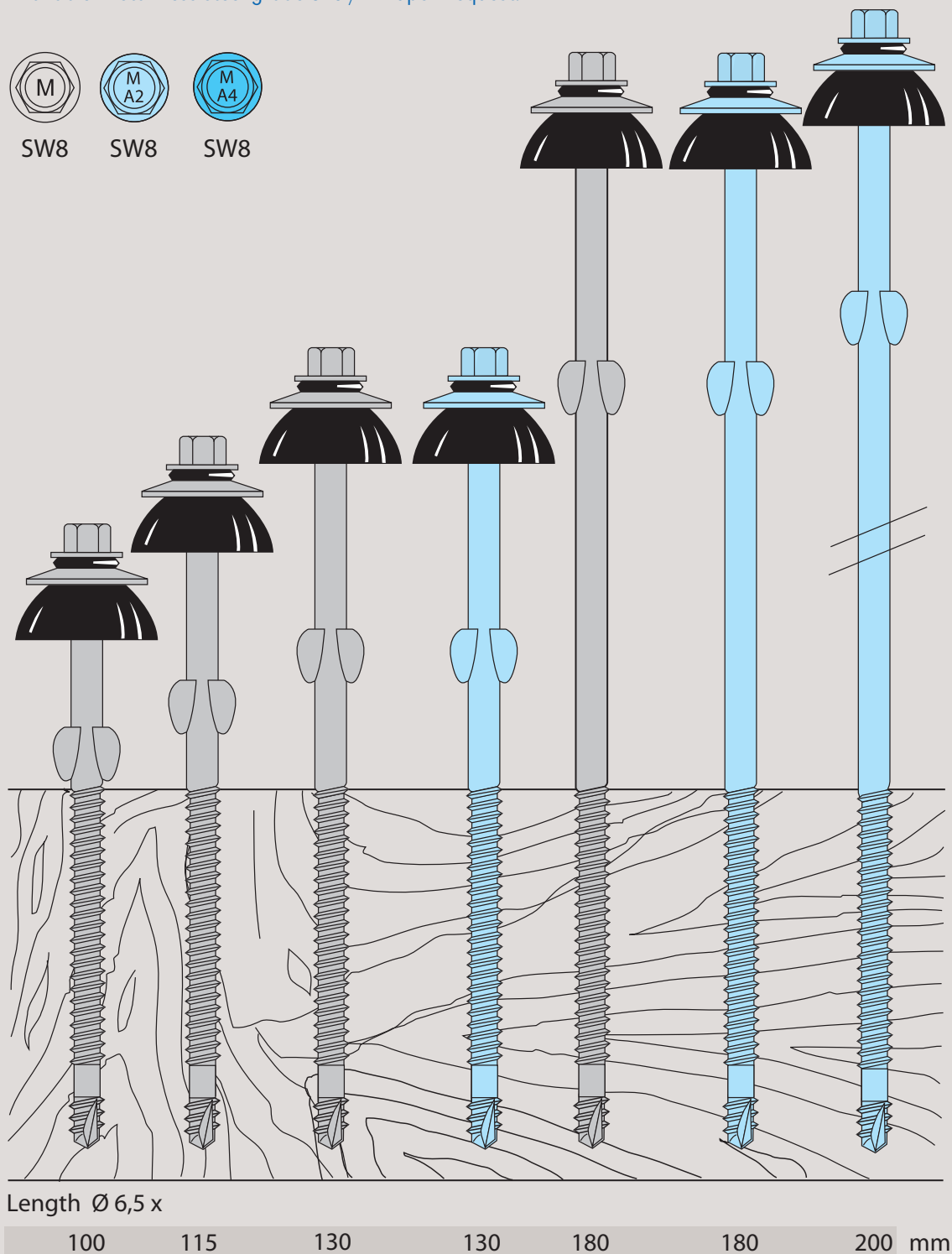


7457 Dural 1000 Plus or Hot-dip galvanized / 7457E

Topex®-hex-washer-head (SW8) drill-screws with special drill-point, with big wings, for fastening fibre-cement corrugated sheets to timber purlins.

Available in stainless steel grade 304 / A2 upon request.

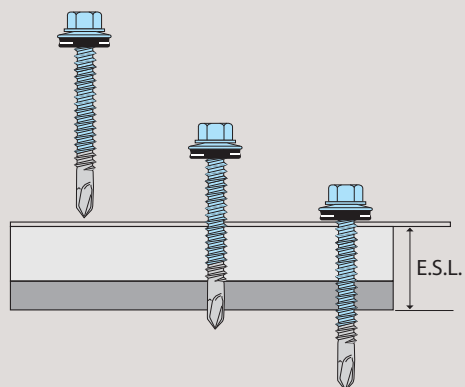
Available in stainless steel grade 316 / A4 upon request.



topex-piasta® bi-metal stainless steel self-drilling screws

Bi-metal austenitic stainless steel grade 304 / A2 and 316 / A4 self-drilling-screws with a hardened drill-point. The most reliable solution for external applications.

Application examples



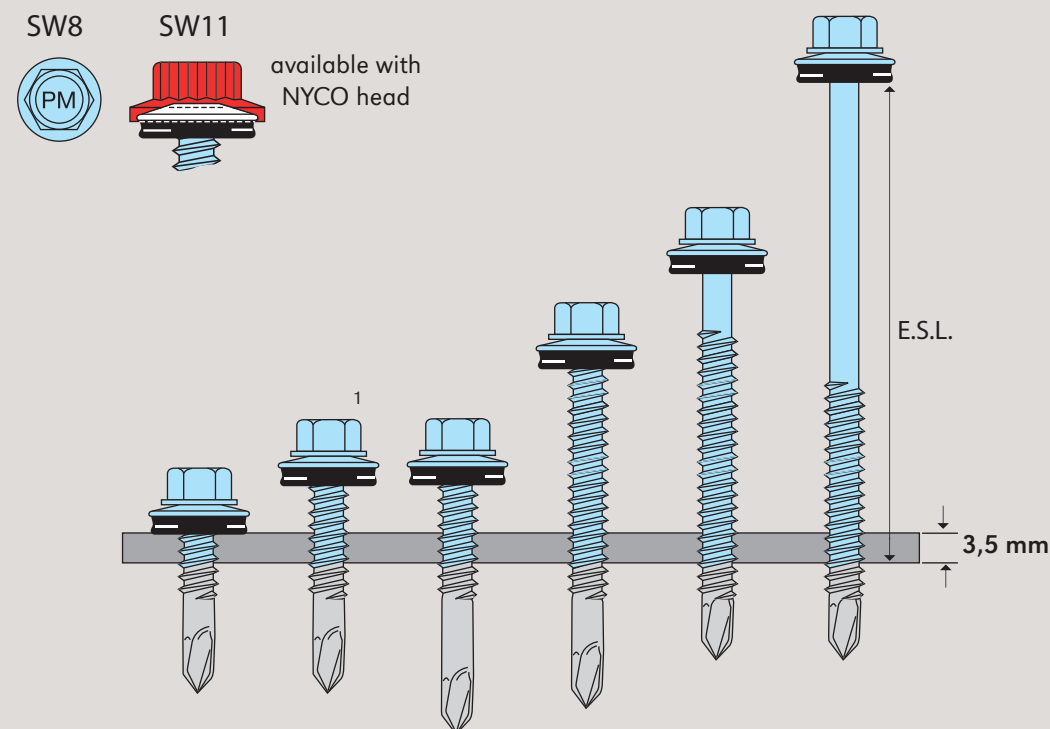
Application:

The stainless part of the topex-piasta® bi-metal drill-screw must always penetrate through the steel structure it is being fastened to, thereby ensuring that the stainless steel portion of the screw (E.S.L.) is fully engaged in the steel structure.

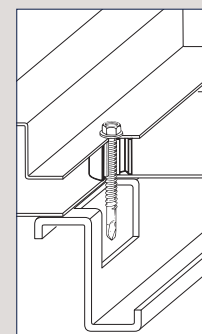
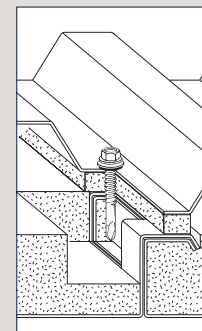
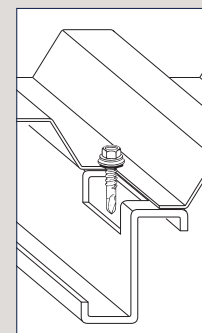
7510

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 2 for fastening to liner trays, cassettes, cold-rolled rails and purlins from 2 x 0,63 – 3,5 mm.

¹ 7510 in size Ø 5,5 x 28 is also available with NYCO-wings for fastening membrane insulated panels, see page 9.



Length Ø 5,5 x 25	28	38	50	60	80	mm
E.S.L.	10	13	18	25	47	68 mm



The fastening connection

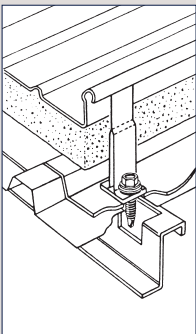
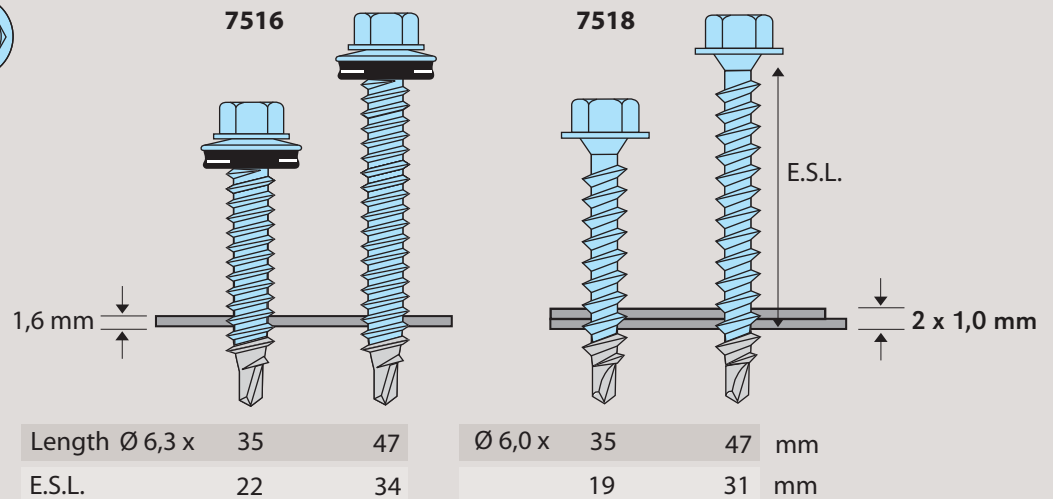
Application examples

7516 / 7518

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) drill-screws grade 304 / A2, with reduced drill-point № 1 for fastening halter clips to cold rolled purlins from 1,2 – 1,6 mm (7516); and in steel decks from 0,63 – 1,00 mm or over liner sheets onto purlins up to 1,6 mm (7518).



SW8

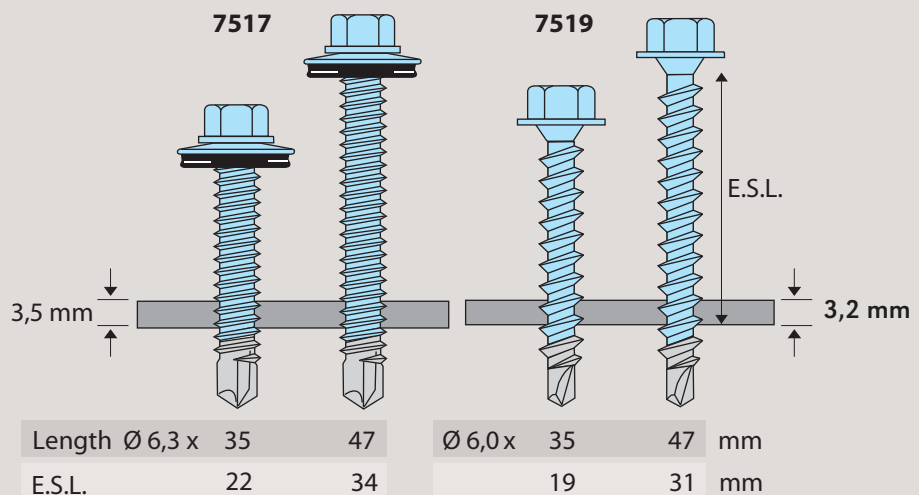


7517 / 7519

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) drill-screws grade 304 / A2, with drill-point № 2, for fastening halter clips to cold-rolled purlins from 1,5 – 3,5 mm (7517); and in structural steel decks from 1,25 – 1,5 mm or over liner sheets onto purlins up to 3,2 mm (7519).

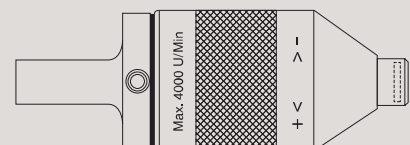


SW8



7970/23

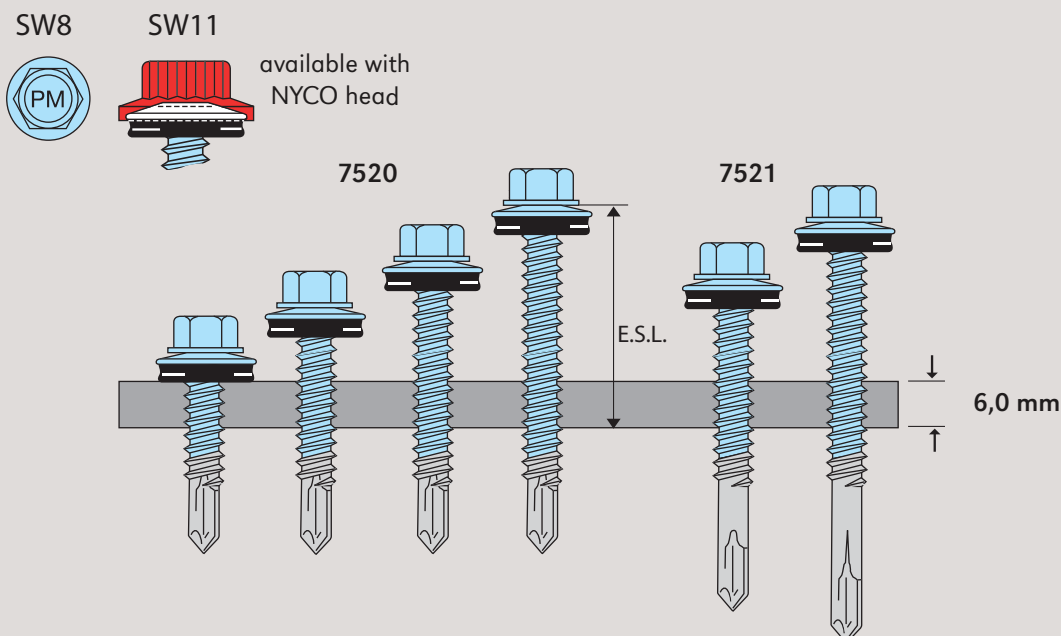
Torque limiter tool available for article 7518 and 7519.



The fastening connection

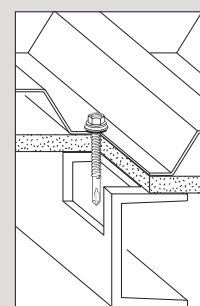
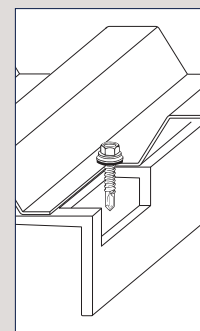
7520 / 7521

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 3 for fastening to cold-rolled-rails and purlins from 1,5 – 6,0 mm.



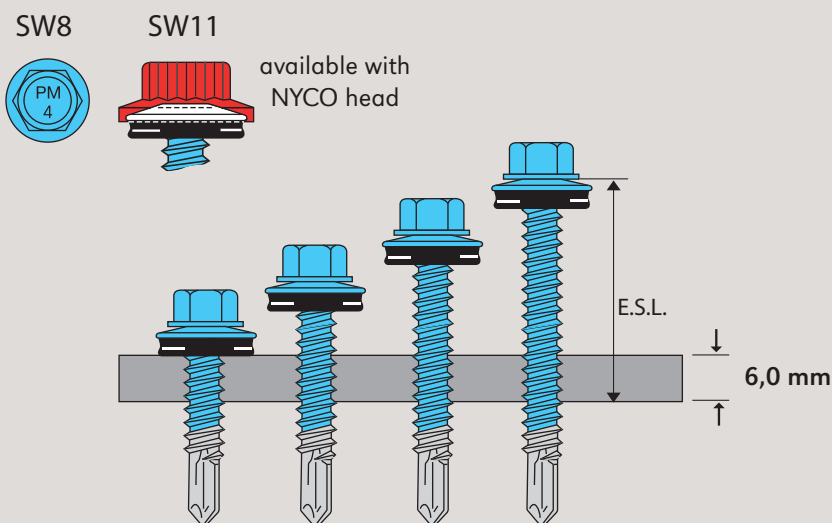
Length Ø 5,5 x	26	32	38	50	43	56	225	250	275	mm
E.S.L.	10	16	22	34	20	28	210	235	260	mm

Application examples



7524

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 316 / A4 drill-screws with drill-point № 3 for fastening to cold-rolled-rails and purlins from 1,5 – 6,0 mm.

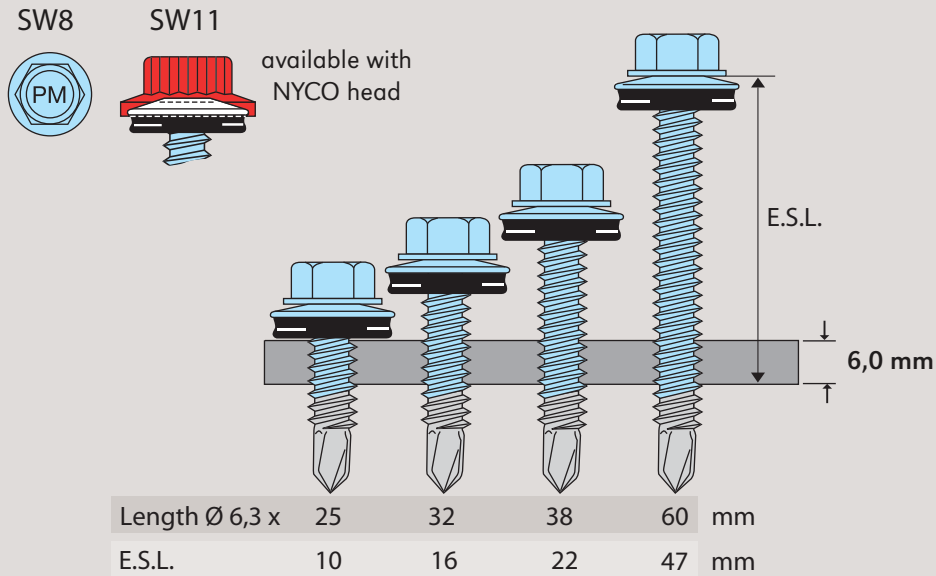


Length Ø 5,5 x	26	32	38	50	mm
E.S.L.	10	16	22	34	mm

The fastening connection

7525

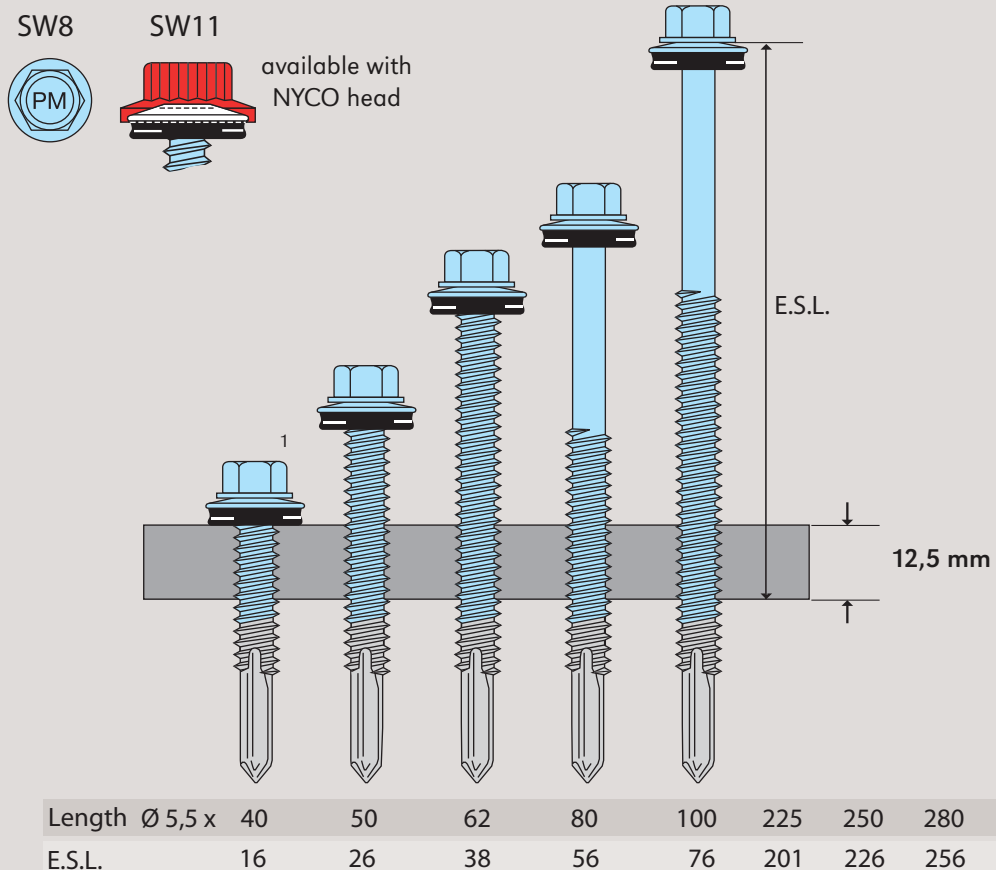
Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 3 for fastening to cold-rolled-rails and purlins from 1,5 – 6,0 mm.



7530

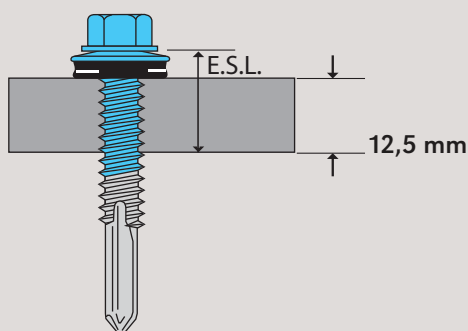
Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 5 for fastening to hot-rolled steel from 4,0 – 12,5 mm.

¹ 7530 in size Ø 5,5 x 40 is also available with NYCO-wings for fastening membrane insulated panels.



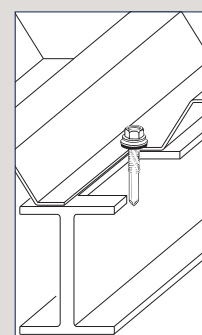
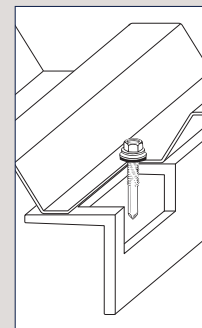
7534

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 316 / A4 drill-screws with drill-point № 5 for fastening to hot-rolled steel from 4,0 – 12,5 mm.
Other lengths, as in «7530», available upon request.



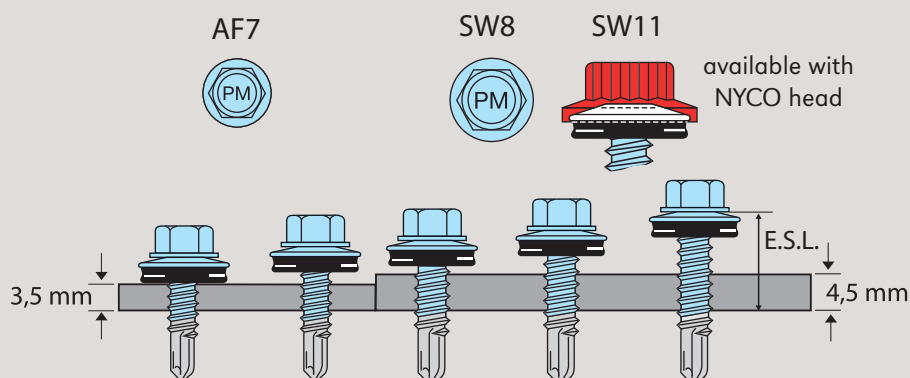
Length	Ø 5,5 x	40	mm
E.S.L.		16	mm

Application examples

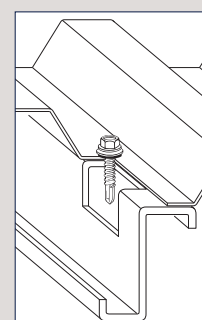


7540

Topex-piasta® bi-metal stainless-steel-hex-head (AF7 / SW8) grade 304 / A2 drill-screws with drill-point № 3 for fastening to cold rolled rails and purlins from 1,2 – 3,5 mm (Ø 4,2) / – 4,5 mm (Ø 4,8).



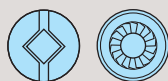
Length	Ø 4,2 x	19	21		
	Ø 4,8 x		22	25	31
E.S.L.		8	14	10	13
				19	



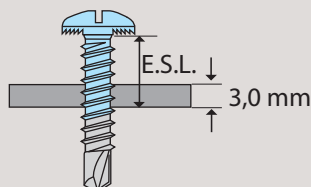
The fastening connection

7543

Topex-piasta® bi-metal stainless-steel-pan-head square-drive drill-screws, with drill-point № 2, for fastening to cold-rolled rails of 1,5 – 3,0 mm.



RO2



Length Ø 4,2 x	16	mm
Ø 4,8 x	16	mm
E.S.L.	7	mm

7544

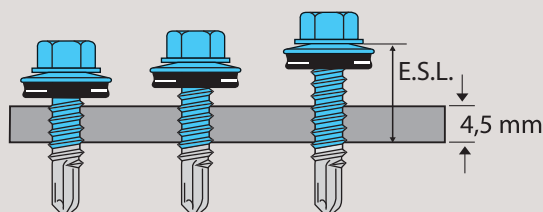
Topex-piasta® bi-metal stainless-steel-hex-head (AF7 / SW8) grade 316 / A4 drill-screws with drill-point № 3 for fastening to cold rolled rails and purlins from 1,2 – 3,5 mm (Ø 4,2) / – 4,5 mm (Ø 4,8).

SW8

SW11



available with
NYCO head



Length Ø 4,8 x	22	25	31	mm
E.S.L.	10	13	19	mm

7546 / 7548

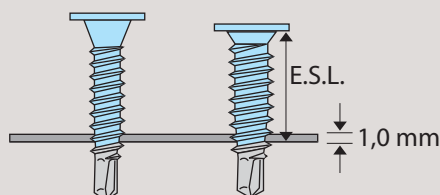
Topex-piasta® bi-metal stainless-steel flat-head screw grade 304 / A2 with reduced drill-point № 1 for fastening clips to cold-rolled rails and purlins of max. 2 x 0,63 mm or stainless steel of max. 1,0 mm.



DS20

7546

7548



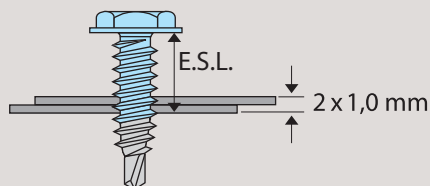
Length Ø 4,8 x	22	
Ø 6,3 x		20
E.S.L.	12	8

7549

Topex-piasta® bi-metal stainless-steel-flat-hex-head grade 304 / A2 drillscrews, with reduced drill-point № 1, for fastening secret fix clips to thin steel or aluminium substrate.



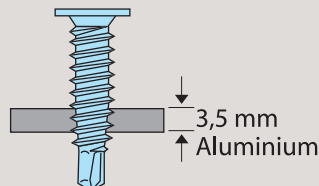
SW8



Length Ø 5,5 x 19 mm
E.S.L. 8 mm

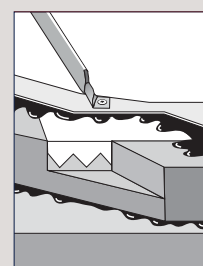
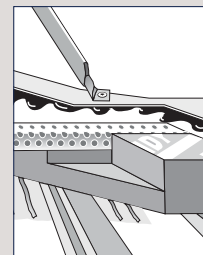


DS20



Length Ø 6,3 x 20 mm

Application examples



7550

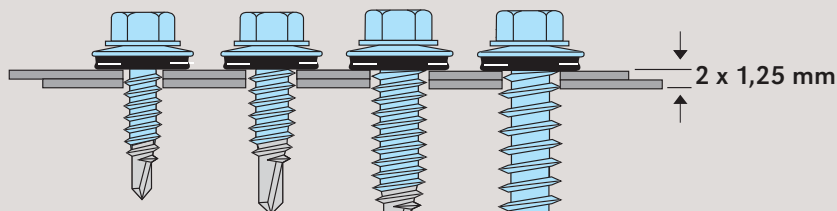
Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm.

SW8

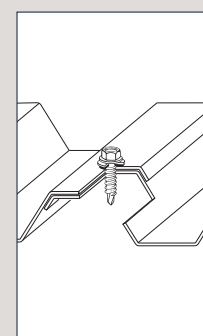
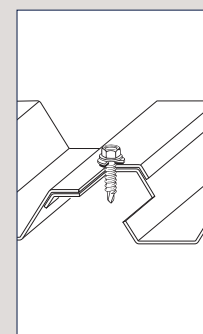
SW11



available with
NYCO head



Length Ø 4,8 x	20			
Ø 5,5 x		22		
Ø 6,3 x			25	
Ø 7,2 x				33 mm
E.S.L.	8	10	12	21 mm



The fastening connection

Application examples

7553

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with reduced drill-point № 1, with spin free zone, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm.

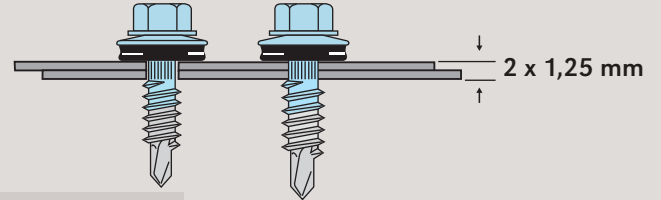
SW8



SW11



available with
NYCO head



Length	Ø 4,8 x	20
	Ø 5,5 x	22 mm
E.S.L.	8	10 mm

7554

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 316 / A4 drill-screws with reduced drill-point № 1, for stitching overlapping profiled sheets together to a maximum of 2 x 1,25 mm. Other dimensions, as in «7550», available upon request.

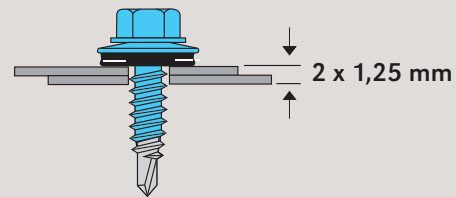
SW8



SW11



available with
NYCO head



Length	Ø 4,8 x	20 mm
E.S.L.	8	mm

7561 / 7565

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with reduced drill-point № 1, for fastening profiled sheets to timber.

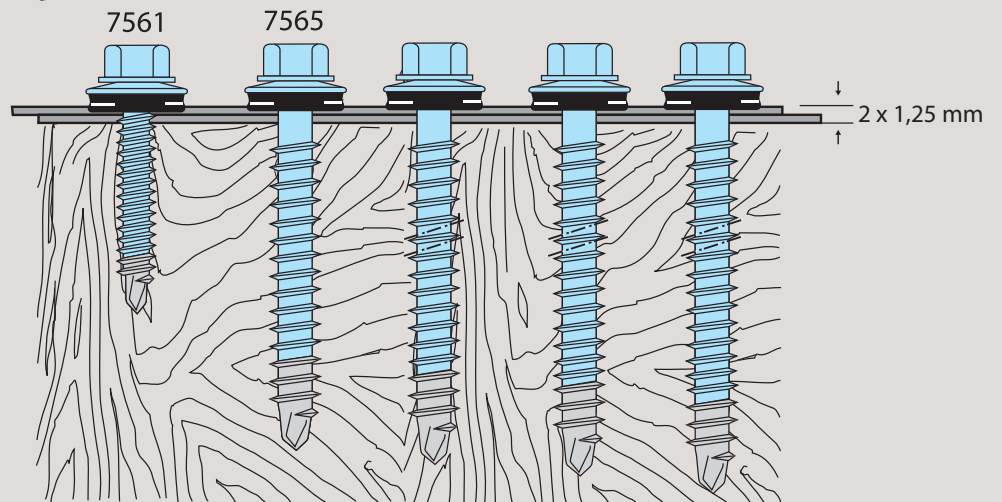
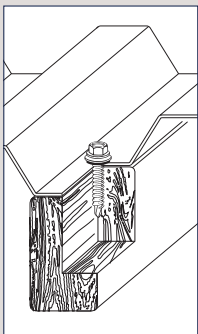
SW8



SW11



available with
NYCO head



Length Ø 4,8 x 35

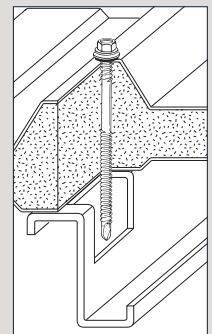
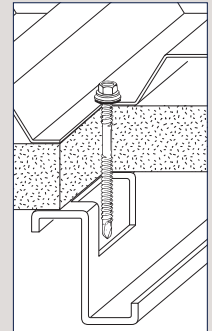
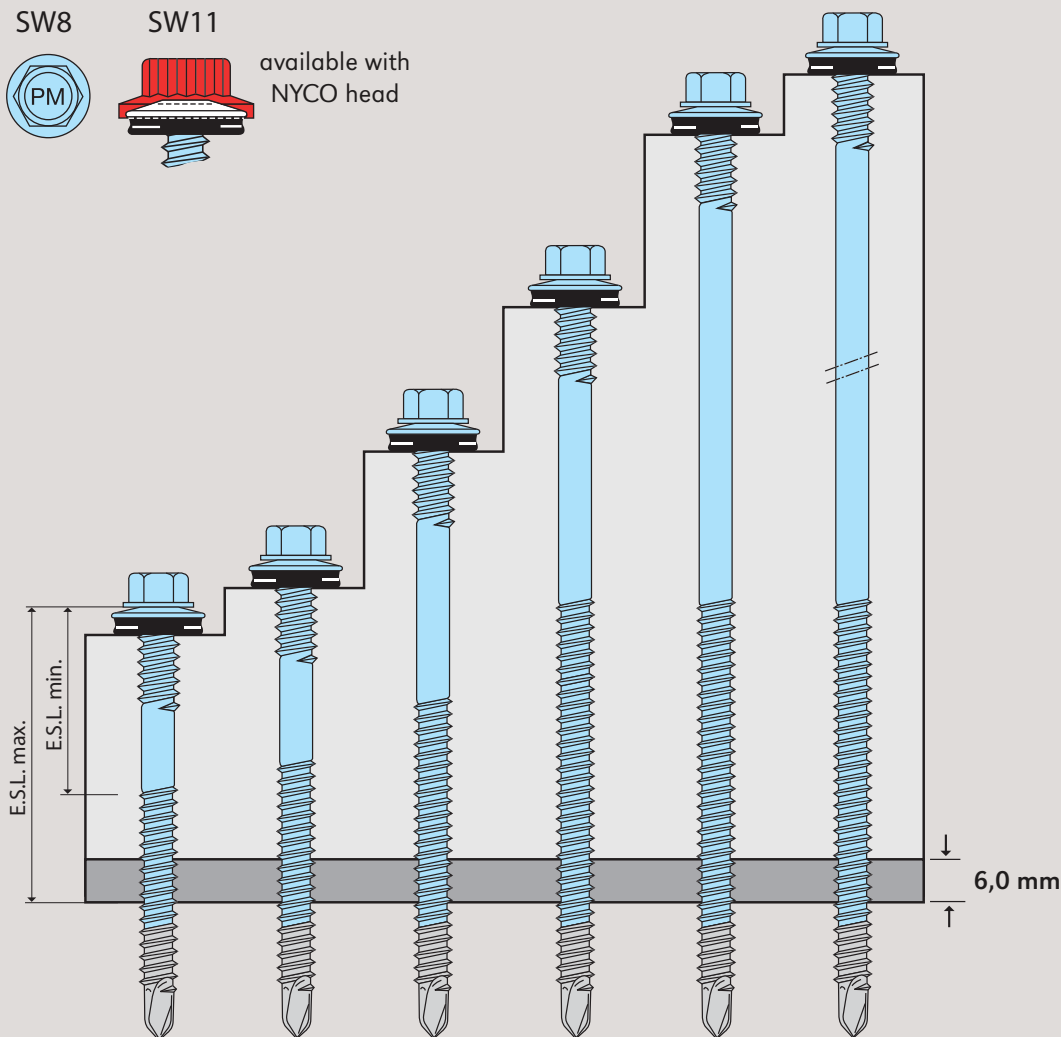
Ø 6,5 x 50 65 75 90 115 130 150 175 mm

The fastening connection

7570

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 3, with high-thread, Ø 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,5 – 6,0 mm.

Application examples



Length [mm]

Ø 5,5/6,3 x 70	85	110	125	145	175
----------------	----	-----	-----	-----	-----

E.S.L. [mm]

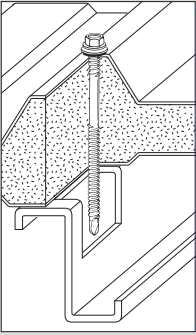
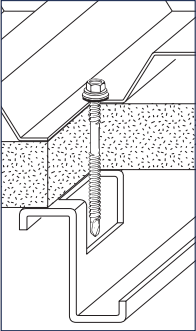
min	28	38	58	63	68	98
max	50	65	90	105	125	155

To suit insulation thickness [mm]

min	22	32	52	57	62	92
max	45	60	85	100	120	150

The fastening connection

Application examples



7571

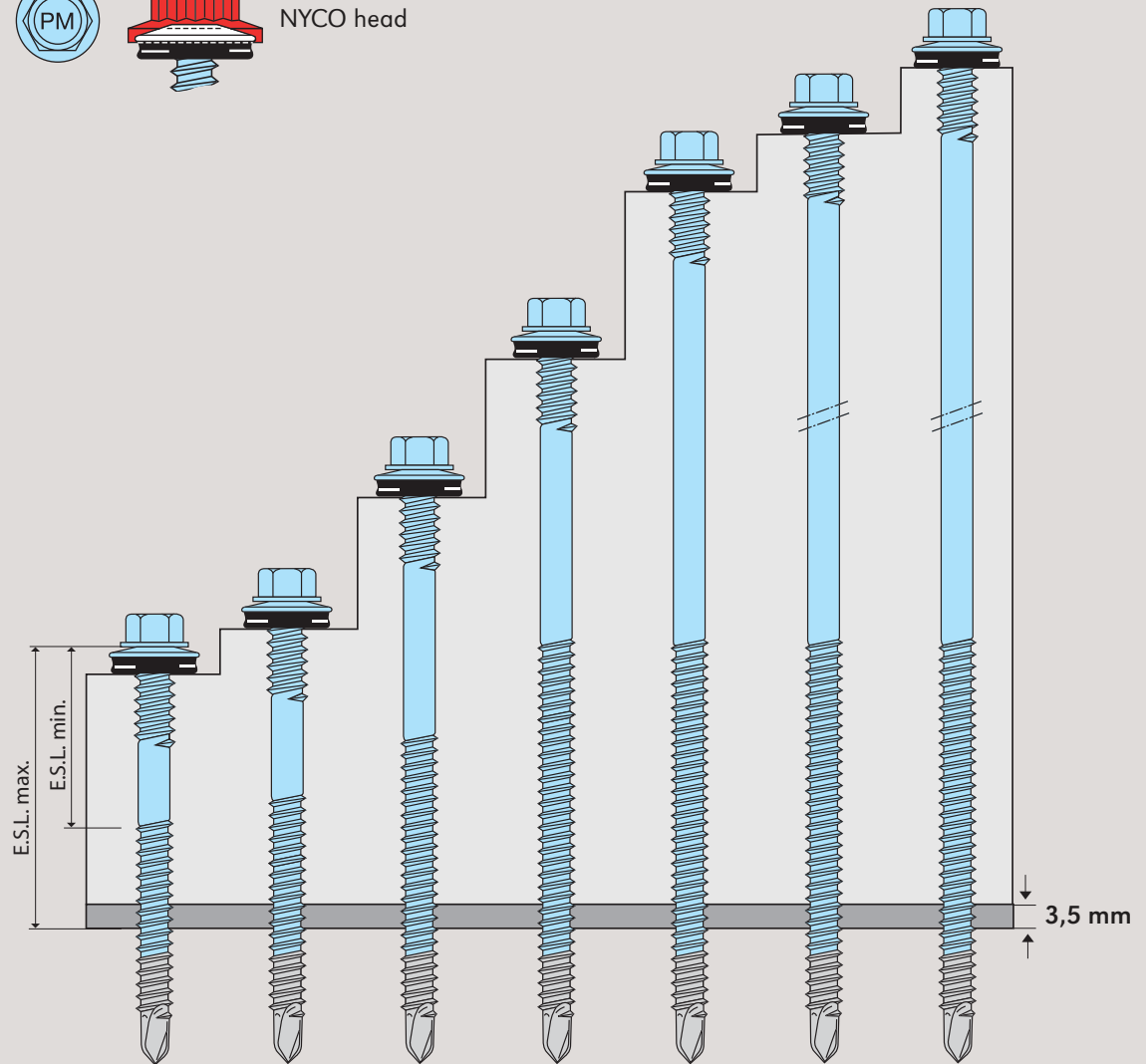
Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 2, with high-thread, Ø 5,5/6,3 mm, for fastening composite panels to cold-rolled rails and purlins from 1,2 – 3,5 mm.



SW11



available with
NYCO head



Length [mm]

Ø 5,5/6,3 x 70	85	110	125	145	175	195
----------------	----	-----	-----	-----	-----	-----

E.S.L. [mm]

min	29	39	59	64	69	99	119
max	50	65	90	105	125	155	175

To suit insulation thickness [mm]

min	26	36	56	61	66	96	116
max	46	61	86	101	121	151	171

The fastening connection

7575

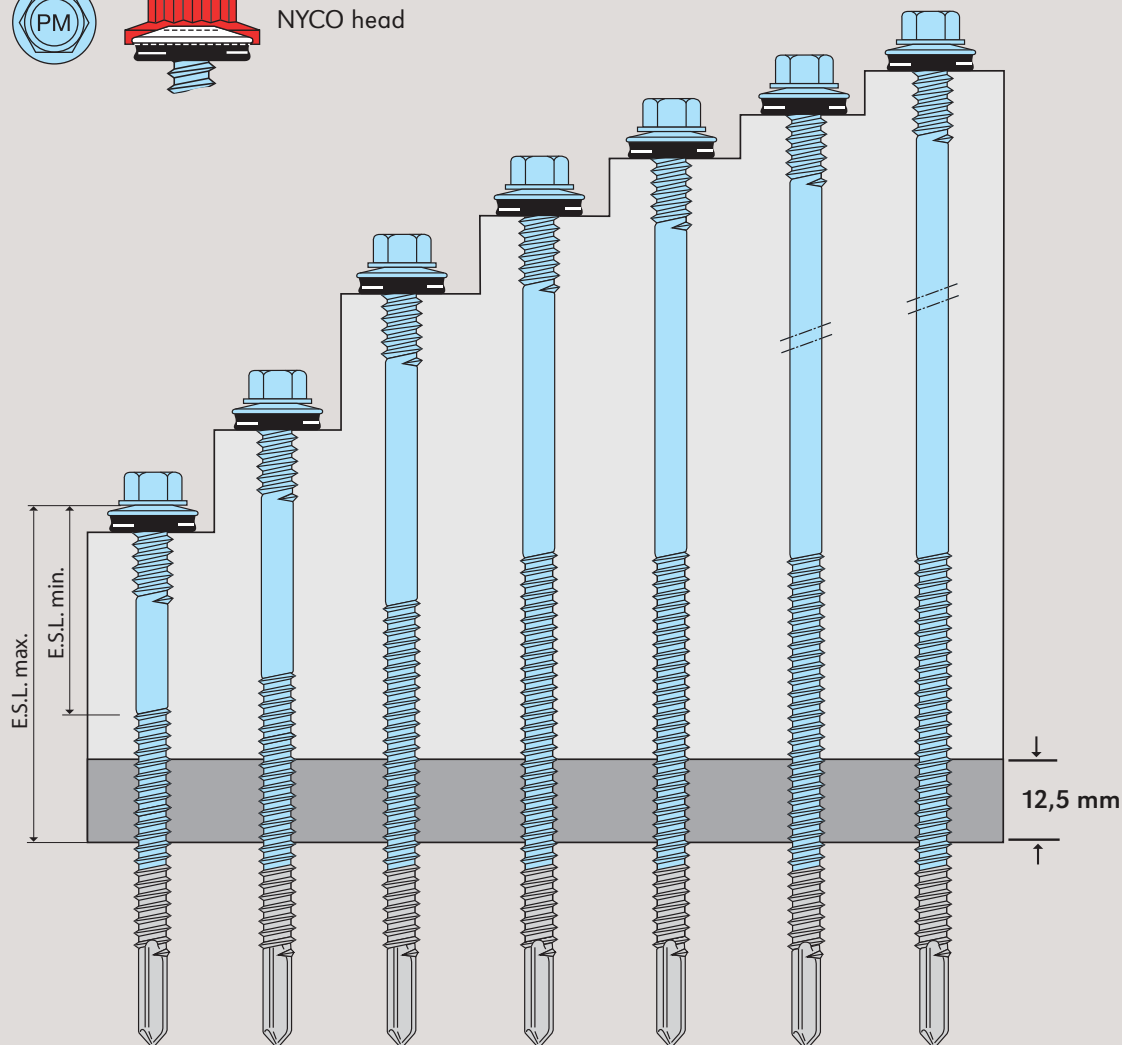
Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with drill-point № 5, with high-thread, Ø 5,5/6,3 mm, for fastening composite panels to hot-rolled steel from 4,0 – 12,5 mm.

SW8

SW11



available with
NYCO head



Length [mm]

Ø 5,5/6,3 x	80	95	115	135	155	175	195
-------------	----	----	-----	-----	-----	-----	-----

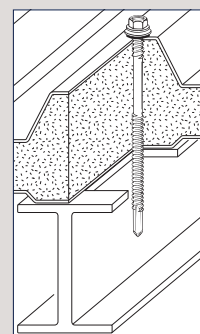
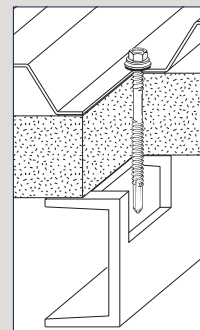
E.S.L. [mm]

	34	41	61	81	101	121	141
min	34	41	61	81	101	121	141
max	54	69	89	109	129	149	169

To suit insulation thickness [mm]

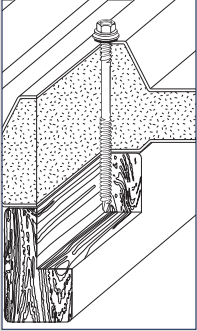
	22	29	49	69	89	109	129
min	22	29	49	69	89	109	129
max	42	57	77	97	117	137	157

Application examples



The fastening connection

Application examples



7580

Topex-piasta® bi-metal stainless-steel-hex-head (SW8) grade 304 / A2 drill-screws with reduced drill-point № 1, with high-thread, Ø 6,3/7,0 mm, for fastening composite panels to timber purlins.

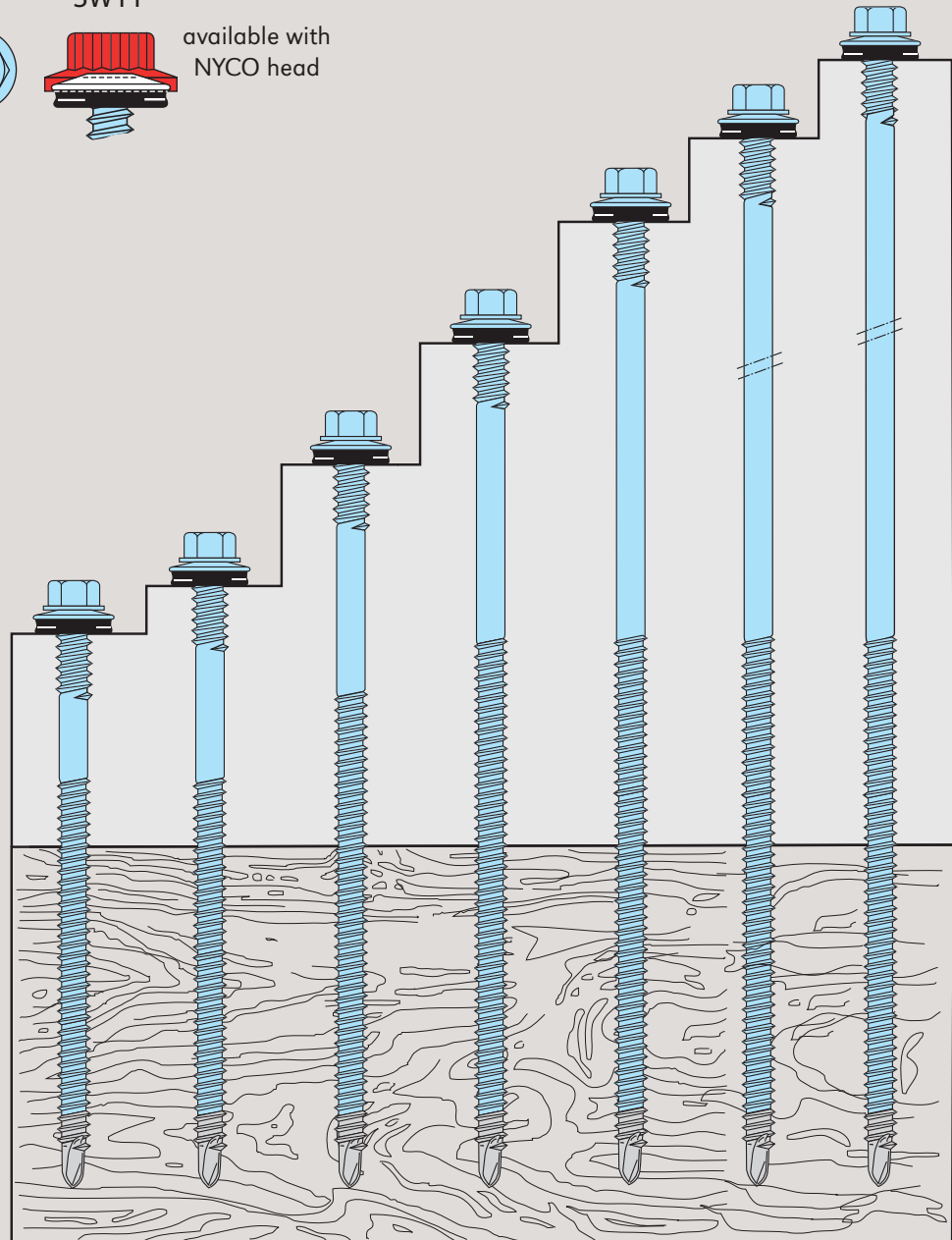
SW8



SW11



available with
NYCO head



Length [mm]

Ø 6,3/7,0 x 102	122	142	162	177	200	220	240	260
To suit insulation thickness [mm]								
min	27	47	67	87	102	125	145	185
max	50	70	90	110	125	148	168	208

To suit insulation thickness [mm]

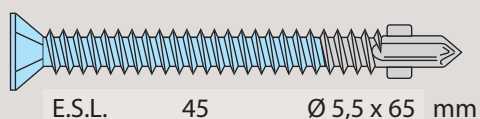
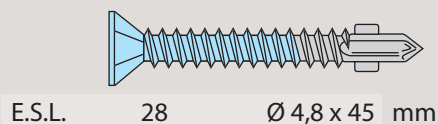
min	27	47	67	87	102	125	145	185
max	50	70	90	110	125	148	168	208

7591

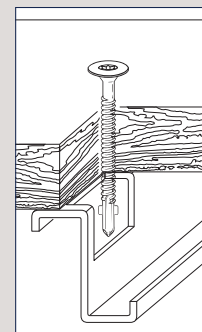
Topex-piasta® bi-metal stainless-steel grade 304 / A2 drill-screws ribbed countersunk-head with wings and DS-drive, for fastening timber to steel substrate.



DS25

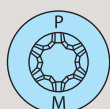


Application examples

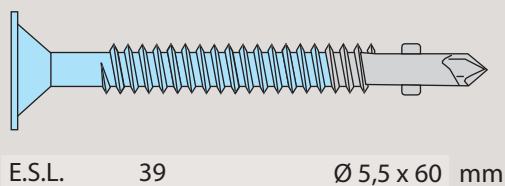


7592

Topex-piasta® bi-metal stainless-steel, drill-screws (A2) ribbed countersunk-head with wings and DS-drive, for fastening timber to steel substrate.



DS25



Technical details for 7591 / 7592				
Size [mm]	Drive recess	Drill capacity max. [mm]	E.S.L. [mm]	Timber thickness [mm]
4,8 x 45	DS 25	1,5 – 4,5	28	18
5,5 x 65	DS 25	1,5 – 5,0	45	35
5,5 x 60	DS 25	1,2 – 2,0	39	30

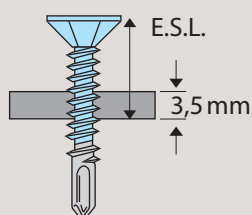
7593 / 7595

Topex-piasta® bi-metal stainless-steel grade 304 / A2 drill-screws countersunk-head with drill-point № 3 for fastening to cold-rolled rails and purlins from 1,5 – 6,0 mm.



T20

7593



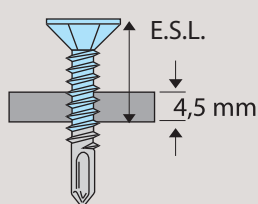
Length Ø 4,2 x 28 mm

E.S.L. 12 mm



T25

7593



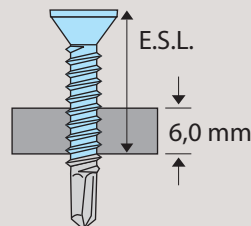
Length Ø 4,8 x 25 mm

E.S.L. 12 mm



DS25

7595



Length Ø 4,8 x 28 mm

E.S.L. 12 mm

The fastening connection

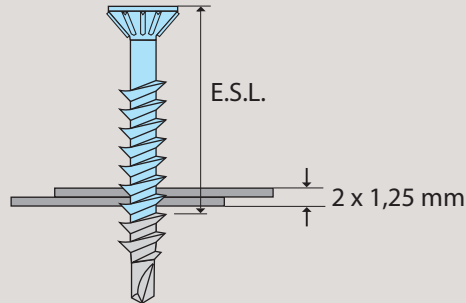
Application examples

7596

Topex-piasta® bi-metal stainless-steel-drill-screws grade 304 / A2 countersunk-head with drill-point № 1, DS-drive (DS25) for fastening timber battens to composite panels.



DS25



Length	Ø 6,0 x	50	mm
E.S.L.		34	mm

topex® Fully stainless steel screws

7641

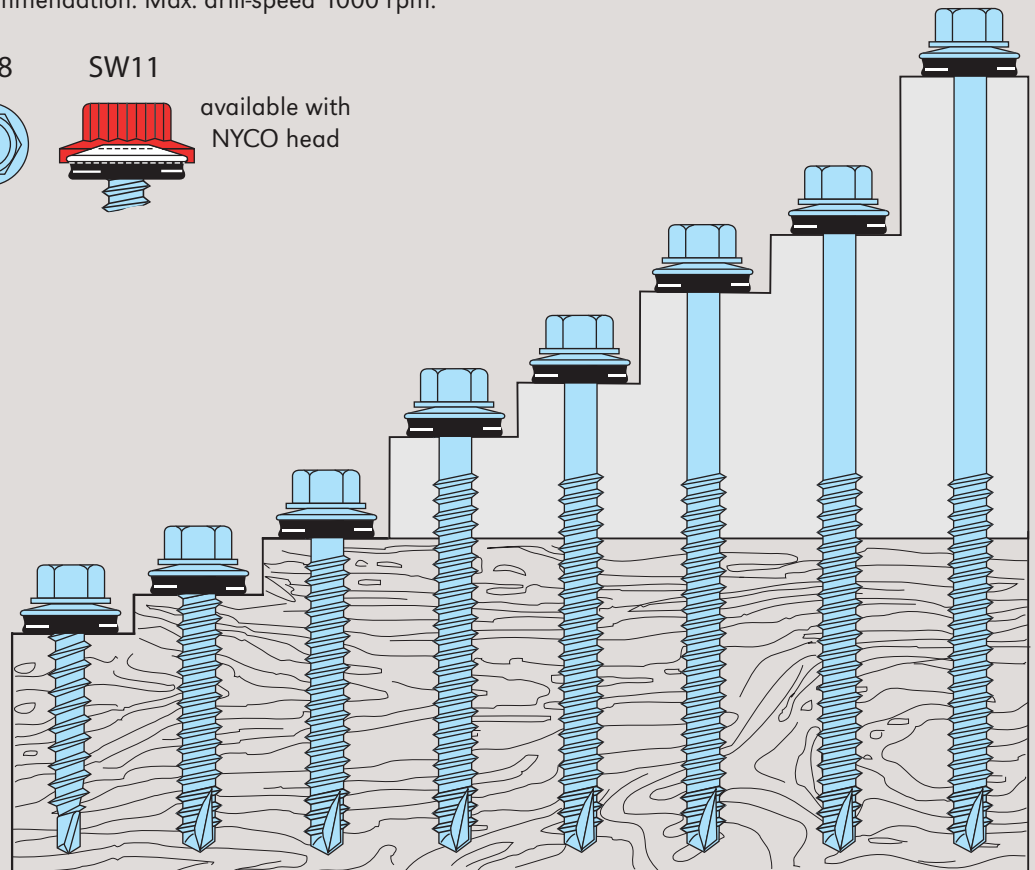
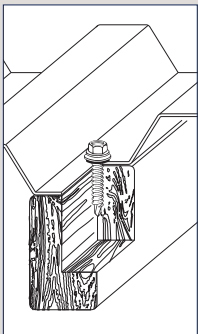
Topex® self-drilling screws fully stainless-steel-hex-head (SW8) grade 304 / A2, with special drill-point № 1, for fastening profiled sheets to timber. Recommendation: Max. drill-speed 1000 rpm.

SW8

SW11



available with
NYCO head



Length

Ø 5,5 x 35

Ø 6,5 x

40

50

65

75

90

100

115

130 mm

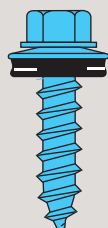
topex® stainless steel self-tapping screws

7652 stainless steel grade 316 / A4

Topex® self-tapping-hex-head (SW8) screws, stainless steel grade 316 / A4 (7652), **type A**, for fastening steel or aluminium profiles to timber substrate, or cold-rolled rails and purlins up to a maximum of 3,0 mm.



SW8

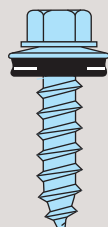


7653 stainless steel grade 304 / A2

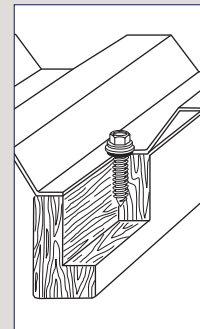
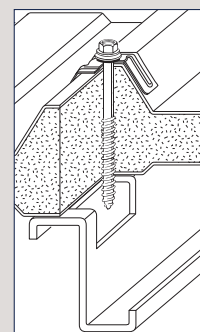
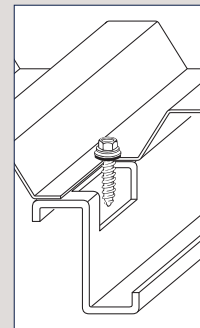
Topex® self-tapping-hex-head (SW8) screws, stainless steel grade 304 / A2 (7653), **type A**, for fastening steel or aluminium profiles to timber substrate, or cold-rolled rails and purlins up to a maximum of 3,0 mm.



SW8



Application examples



Recommended drill-bit diameters for type A self-tapping screws

Profile Thickness [mm]	Drill-bit Ø [mm]
0,63 – 0,75	4,00
0,88 – 1,25	4,50
1,50 – 2,00	5,00
2,00 – 3,00	5,70
timber substrate	4,80

Art. 7652 / 7653 (Ø 6,5): Dimensions / Lengths

SW8	6,5 x 20 mm
	6,5 x 25 mm
	6,5 x 32 mm
	6,5 x 38 mm
	6,5 x 45 mm
	6,5 x 50 mm
	6,5 x 65 mm
	6,5 x 75 mm
	6,5 x 90 mm
	6,5 x 100 mm
	6,5 x 115 mm
	6,5 x 150 mm
	6,5 x 175 mm
	6,5 x 200 mm

Application examples

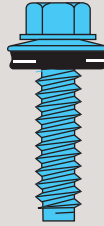
topex® stainless steel self-tapping screws

7672 stainless steel grade 316 / A4

Topex® self-tapping-hex-head (SW8) screws, stainless steel grade 316 / A4 (7672), type B, for fastening steel or aluminium profiles to hot-rolled steel over 3,0 mm. The first 5 mm's of the screw must always penetrate through the steel structure it is fastened to.



SW8

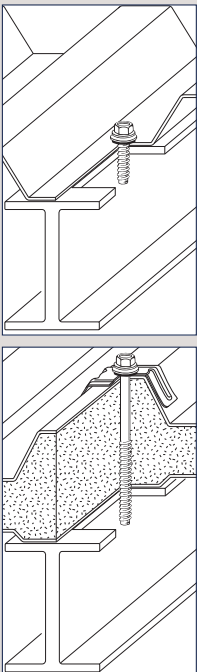
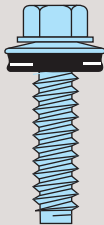


7673 stainless steel grade 304 / A2

Topex® self-tapping-hex-head (SW8) screws, stainless steel grade 304 / A2 (7673), type B, for fastening steel or aluminium profiles to hot-rolled steel over 3,0 mm. The first 5 mm's of the screw must always penetrate through the steel structure it is fastened to.



SW8



Recommended drill-bit diameters for type B self-tapping screws

Profile Thickness [mm]	Drill-bit Ø [mm]
1,25 – 1,50	5,00
2,00 – 4,00	5,30
4,00 – 7,00	5,50
more than 7,00	5,70

Art. 7672 / 7673 (Ø 6,3): Dimensions / Lengths

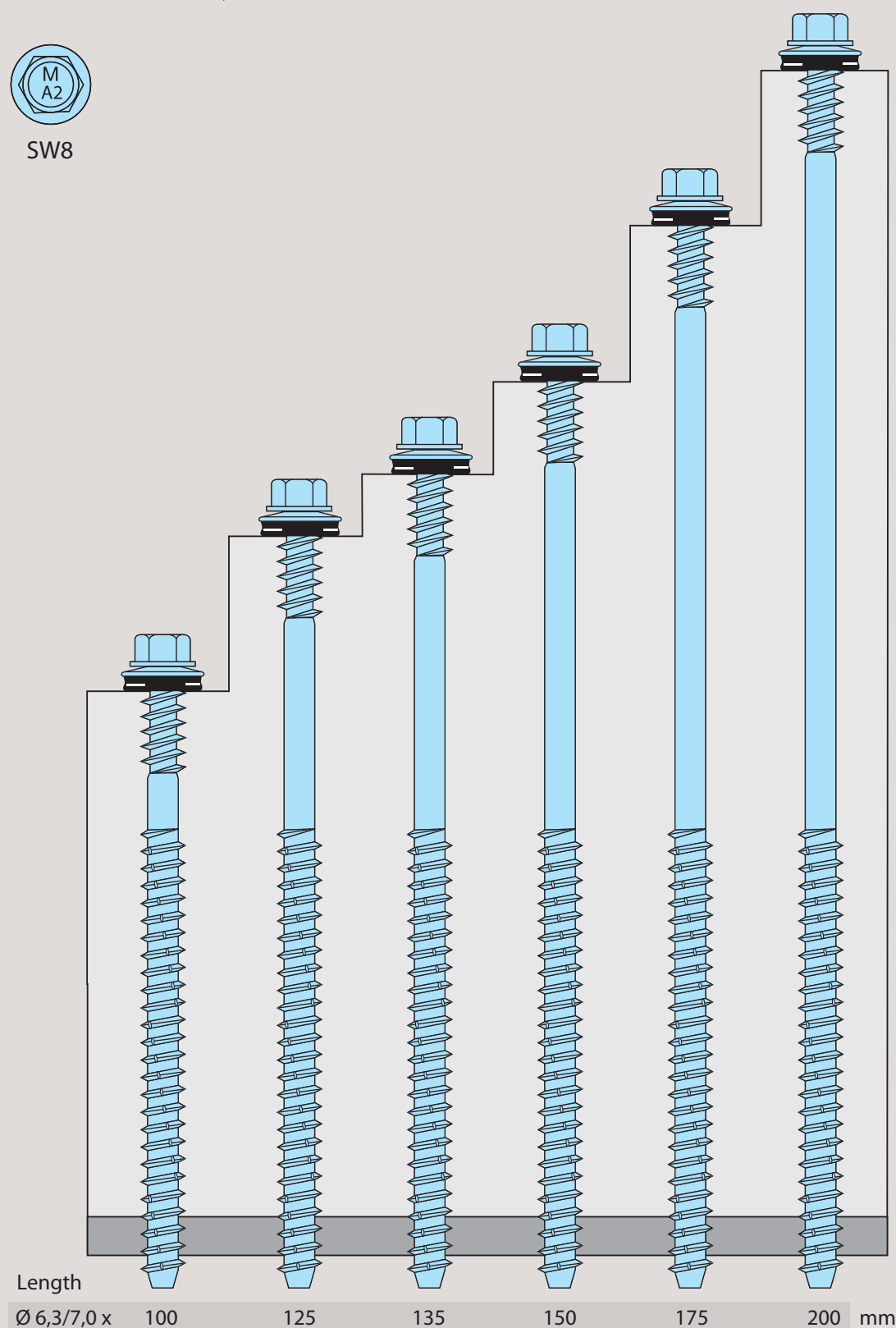
SW8	6,3 x 20 mm
	6,3 x 25 mm
	6,3 x 32 mm
	6,3 x 38 mm
	6,3 x 45 mm
	6,3 x 50 mm
	6,3 x 65 mm
	6,3 x 75 mm
	6,3 x 90 mm
	6,3 x 100 mm
	6,3 x 115 mm
	6,3 x 150 mm
	6,3 x 175 mm
	6,3 x 200 mm

7673K

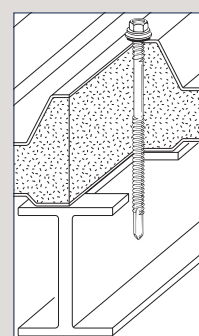
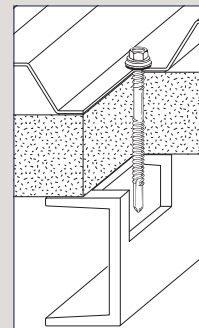
Topex® self-tapping-hex-head (SW8) screws, stainless-steel grade 304 (A2), type B, with high-thread, Ø 6,3/7,0 mm, for fastening composite panels to hot-rolled steel over 3,0 mm.



SW8

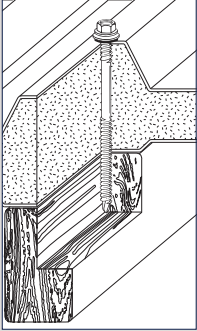


Application examples



The fastening connection

Application examples



7680

Topex® self-drilling-hex-head (SW8) screws, stainless-steel grade 304 / A2, with special drill-point № 1, with high-thread, Ø 6,5/7,3 mm, for fastening composite panels to timber purlins.
Recommended max. drill speed: 1000 rpm.

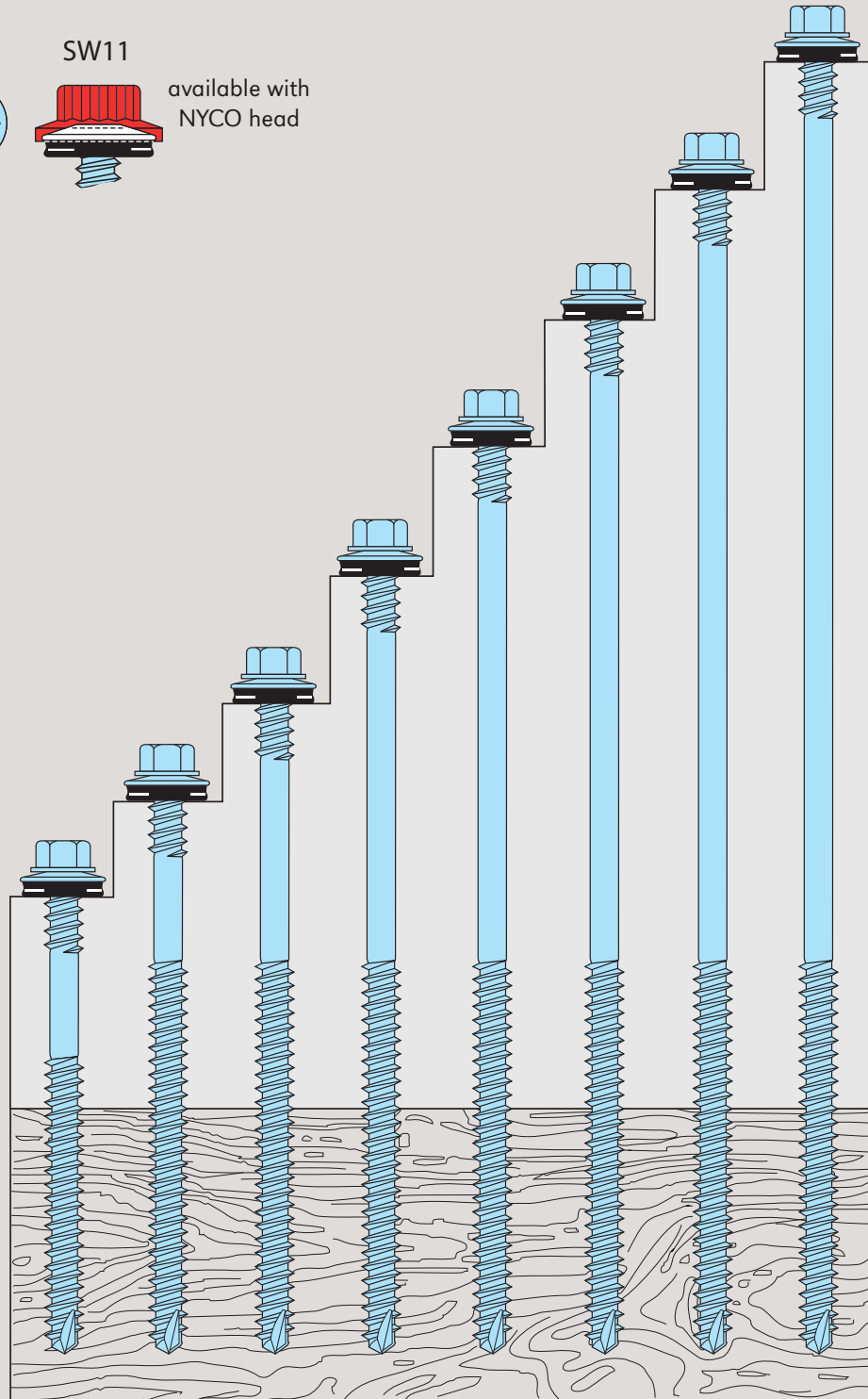
SW8



SW11



available with
NYCO head



Length [mm]

Ø 6,5/7,3 x 75	90	102	125	145	165	177	200
To suit insulation thickness [mm]							
min	30	45	60	80	100	110	130
max	30	45	60	80	100	120	155

To suit insulation thickness [mm]

topex® concrete screws

7890

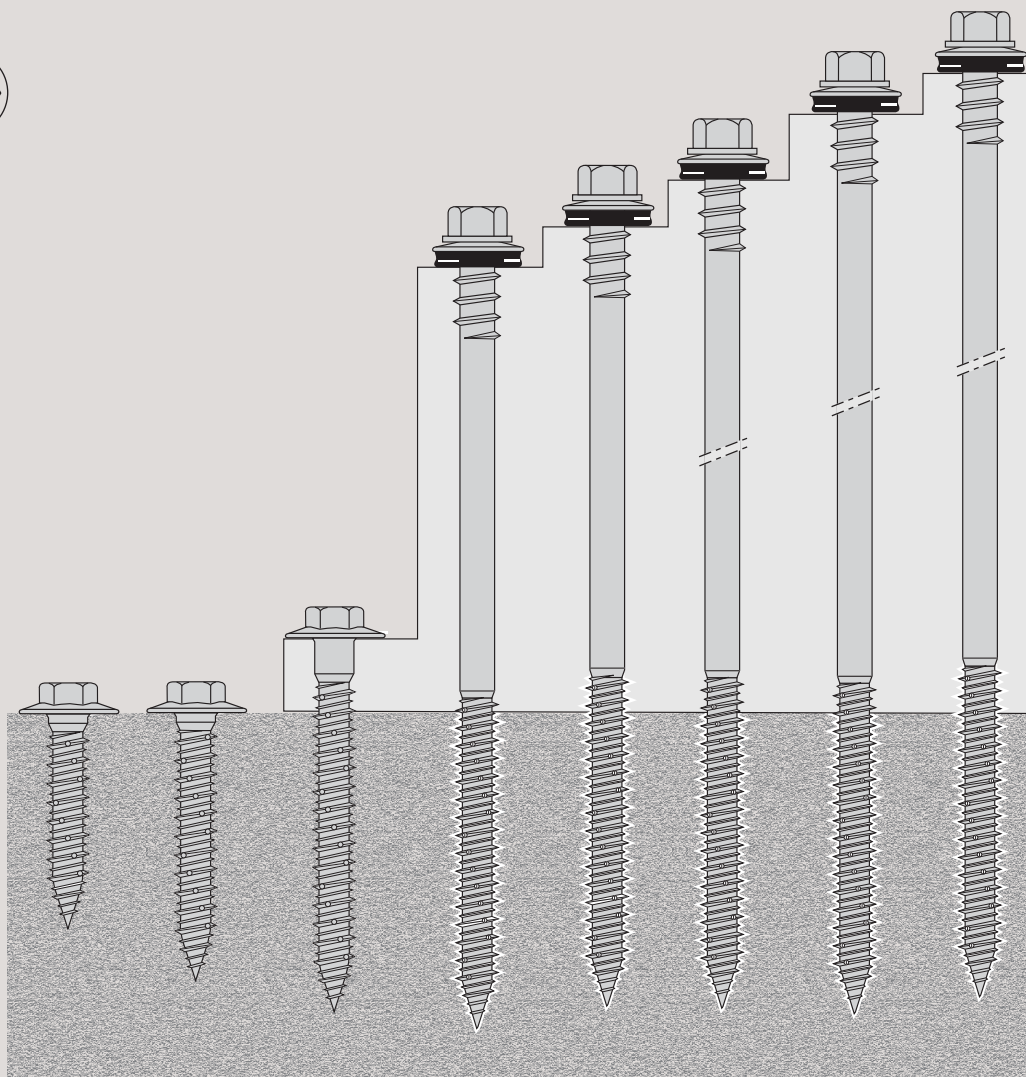
Topex®-hex-head (SW8) concrete carbon steel screws with high-low concrete thread for fastening various components to concrete.

Available in stainless steel grade 304 / A2 as «7890E» upon request.

Application examples



SW8



Length [mm]

Ø 6,3/7,0 x 32	40	57	120	140	160	180	200
----------------	----	----	-----	-----	-----	-----	-----

To suit insulation thickness [mm]

min	12	75	95	115	135	155
max	27	90	110	130	150	170

minimum 25 mm embedment in structural concrete / pre-drill Ø 5,0 or 5,5 mm according to the quality of the concrete

The fastening connection

topex® Accessories programme

7711 / 7712 / 7715 / 7716

Topex-sealing-washers with bonded EPDM seal, available in galvanized steel (7711), stainless steel grade 304 / A2 (7712), stainless steel grade 316 (A4) (7715) and aluminium (7716).



Ø 29 22 19 16 14 11 mm

7714

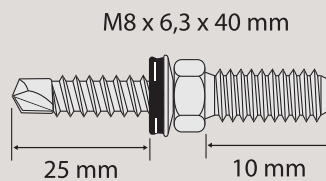
Topex-sealing-washers EPDM rings are available as 7714 for ufo screws.



Ø 4,8 5,5 6,3 mm

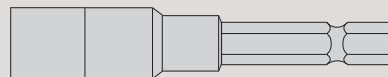
7925

Topex-self-drilling-screwbolt with external M8 thread, for fastening hanging elements to cold-rolled rails and purlins from 0,75 to 3,0 mm.



7970/25

Socketholder for article 7925



The fastening connection

MAGE INDUSTRIE HOLDING AG, with head offices in Reutlingen, Germany, has successfully been combining expertise in its traditional divisions of roof, fastening and aluminium extrusion technology with forward system solutions in the division of solar and water technology for numerous years. With its versatile proficiencies and the synergistic interconnections within these four business divisions, the Group produces and distributes highly-regarded product and system developments, from roof ventilation systems and prefabricated dormers, to complete photovoltaics systems and desalination plants, all the way to aluminium extrusion, façade and solar mounts systems as well as self-drilling fasteners for modern metal construction systems. With its worldwide network of production locations, branches and representative offices, the Group is currently represented by 31 business units located in 16 countries and serving their Customers worldwide.



The fastening connection

Project References

Building projects from around the world where **topex** fasteners have been specified.



Baltic Arena, Gdańsk, Poland



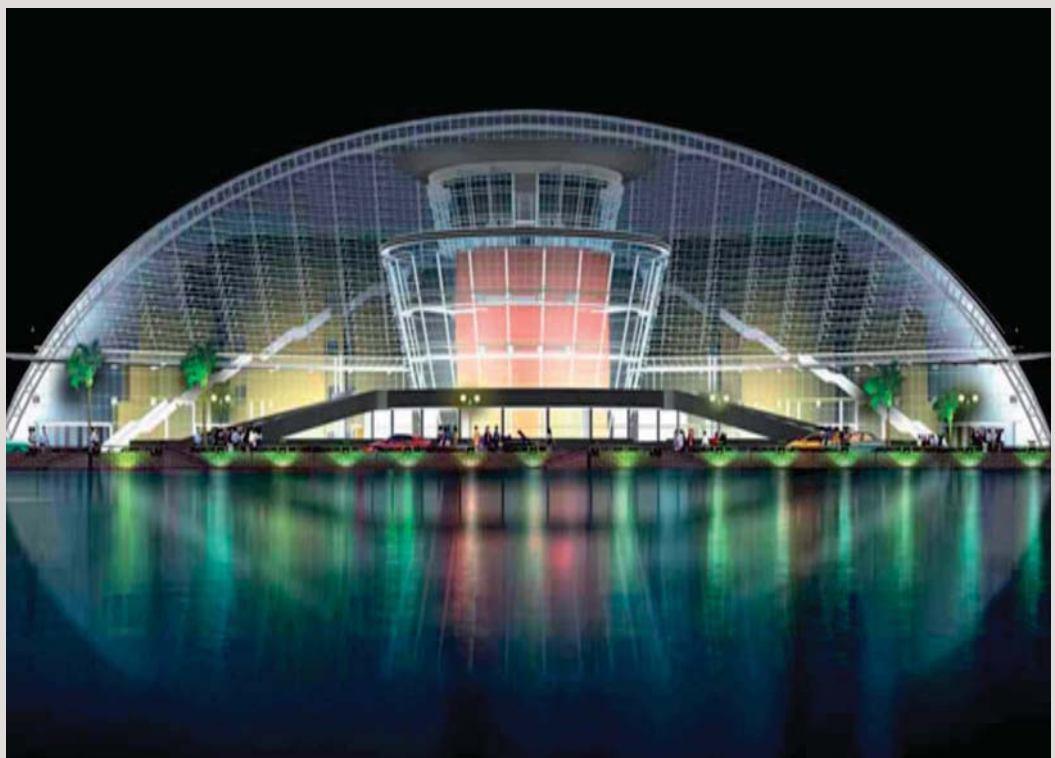
Spencer Street Station, Melbourne, Australia



Asia World Expo, Hong-Kong



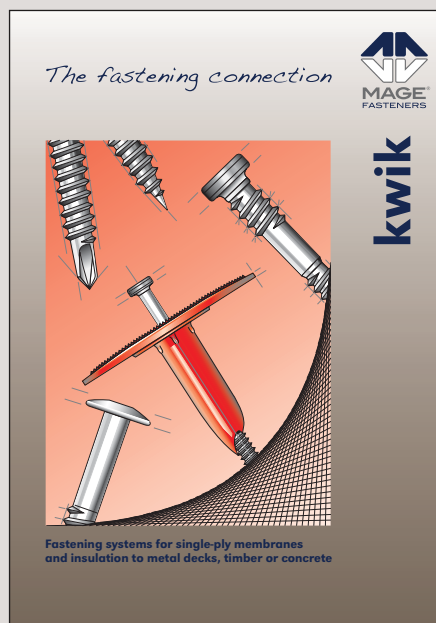
Terminal 3, Dubai International Airport



Beijing Opera House, China

The fastening connection

Information regarding additional products from MAGE is available in the following catalogues:



Please ask for these catalogues.

Our policy of continuing product development and improvement, necessitates that we reserve the right to modify designs shown in our catalogue without prior notice.

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Product groups

- topex** Bi-metal, stainless and carbon steel fasteners for roofing and cladding
- murex** Austenitic stainless steel fasteners for rainscreen cladding systems
- vitex** Stainless steel fasteners for curtain walling
- kwik** Fastening systems for single-ply membranes and insulation to metal decks, timber or concrete
- tecno** General construction accessories
- nomic** Couplings for cast iron and plastic drain, waste and ventilation pipes