



BROADEN
WORLDWIDE CO., LTD



**YOUR STRONG
FASTENING PARTNER**

www.bdnngroup.com.tw



Specializing in Self-Drilling, Self-Tapping Screws in Carbon Steel, Stainless Steel and Bi-Metal, Broaden has extensive, in-depth knowledge of how the local fastener community operates in the Gangshan area. We use wires only from CSC Taiwan (China Steel Corporation).

100%
Made in Taiwan

Quality Control

Stringent Quality Control Every Step of the Way.

ABOUT

Broaden company has a 2000 square meter manufacturing area which is comprised of Heading, Pinch Pointing, Threading and End-Cutting machines with a total capacity of 300 metric tons per month.

- Primary Materials: C1022 / 10B21 Steel from CSC Taiwan.
- Products: Self-Drilling / Self-Tapping Screws / Wooden Screws.
- Size: M4.2~6.3
- Length: 150mm

Post Processes such as Heat Treatment (except for Bi-Metal) and Surface Treatment are allocated to our long-time partners within the fastener industry.

Advanced First Article Inspection machines are set up to replace virtually all traditional measurement devices as well as manage geometric measurements, all of which are automatically logged for reference. The whole setup is aimed to provide faster delivery times without sacrificing quality.

Key Export Markets: UK, Poland, Australia, Sweden, South Africa, Vietnam, Thailand.

Certification: ISO9001-2015 | TÜVRheinland CERTIFIED



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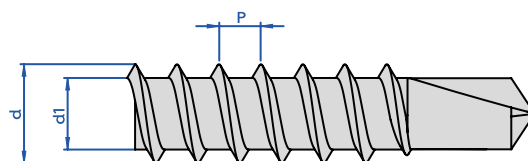




Thread & Screw Diameter

SELF-DRILLING SCREW - THREADS FOR FIXING TO STEEL

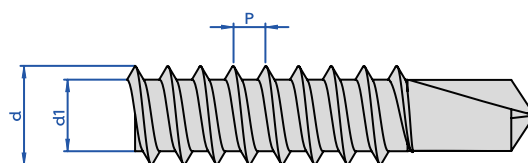
ASD THREAD



Size	Pitch (nom.) (P)	Major Diameter (d)		Minor Diameter (d1)	
		Min.	Max.	Min.	Max.
M5.5 (No.12)	2.31	5.46	5.79	3.94	4.19
M6.3 (No.14)	2.54	6.30	6.45	4.52	4.70

SELF-DRILLING SCREW - THREADS FOR FIXING TO STEEL

BSD THREAD

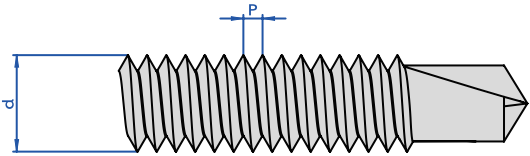


Size	Pitch (nom.) (P)	Major Diameter (d)		Minor Diameter (d1)	
		Min.	Max.	Min.	Max.
M3.5 (No.6)	1.27	3.43	3.53	2.51	2.64
M4.2 (No.8)	1.41	4.09	4.22	2.95	3.10
M4.8 (No.10)	1.59	4.65	4.80	3.43	3.58
M5.5 (No.12)	1.80	5.31	5.46	3.99	4.17
M6.3 (No.14)	1.80	6.10	6.25	4.70	4.88

Thread & Screw Diameter

SELF-DRILLING SCREW - THREADS FOR FIXING TO STEEL

CSD THREAD

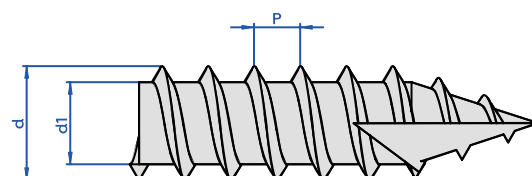


Size	Pitch (nom.) (P)	Major Diameter (d)	
		Min.	Max.
M3.5 (No.6)	0.79	3.37	3.51
M4.2 (No.8)	0.79	4.03	4.17
M4.8 (No.10)	1.06	4.66	4.83
M5.5 (No.12)	1.06	5.32	5.49
M6.3 (No.14)	1.27	6.17	6.35



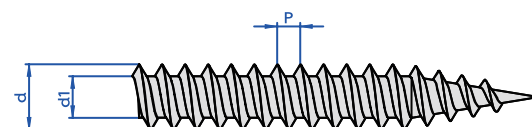
Thread & Screw Diameter

TYPE 17 SCREW - THREADS FOR FIXING TO TIMBER



Size	Pitch (nom.) (P)	Major Diameter (d)		Minor Diameter (d1)	
		Min.	Max.	Min.	Max.
M3.5 (No.6)	1.41	3.45	3.58	2.44	2.59
M4.2 (No.8)	1.69	4.11	4.27	2.95	3.12
M4.8 (No.10)	2.12	4.78	4.93	3.20	3.38
M5.5 (No.12)	2.31	5.46	5.74	3.94	4.19
M6.3 (No.14)	2.54	6.30	6.45	4.52	4.70

DRYWALL SCREW - THREADS FOR FIXING PLASTERBOARD TO STEEL

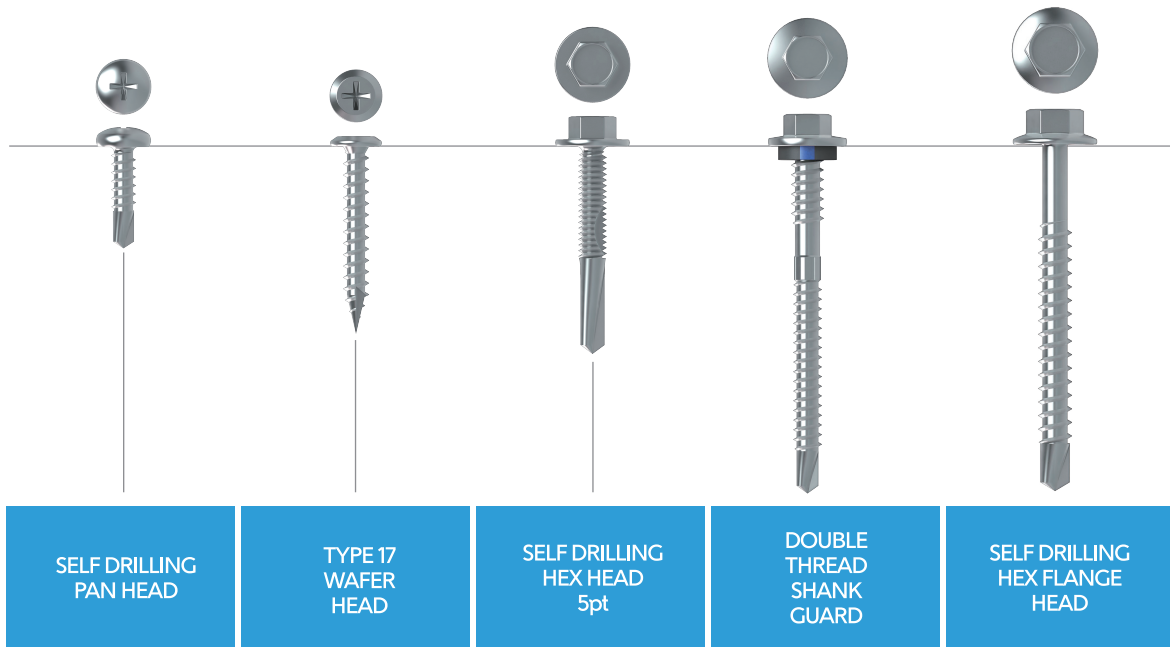


Size	Pitch (nom.) (P)	Major Diameter (d)		Minor Diameter (d1)
		Min.	Max.	Min.
M3.5 (No.6)	1.27	3.43	3.61	2.29
M3.9 (No.7)	1.34	3.78	3.96	2.29
M4.2 (No.8)	1.41	4.09	4.34	2.95

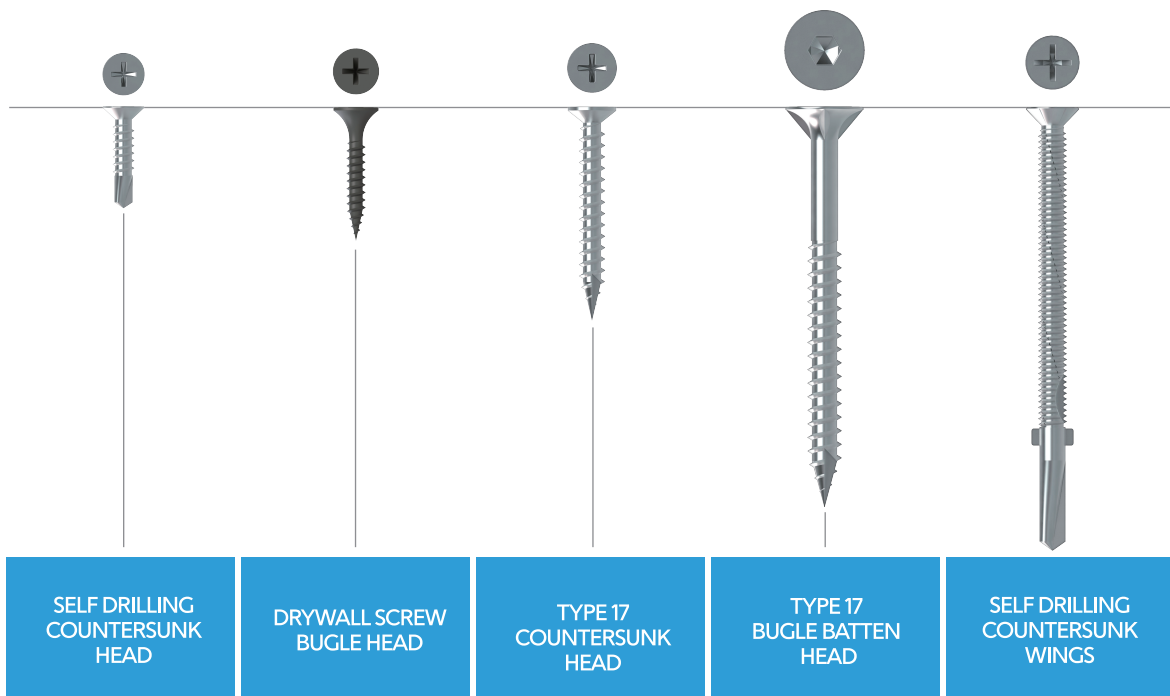
Fastener Length

How to Measure Fastener Length

These types of fasteners are measured from the underside of the head to the tip of the screw.

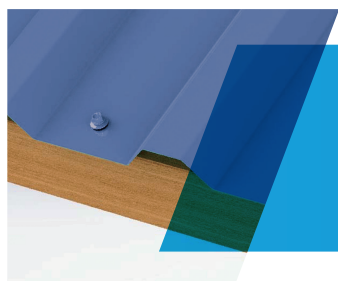


These types of fasteners are measured from the top of the head to the tip of the screw.



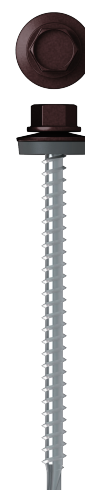
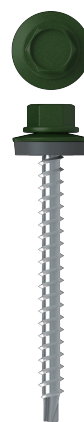
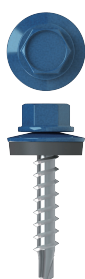
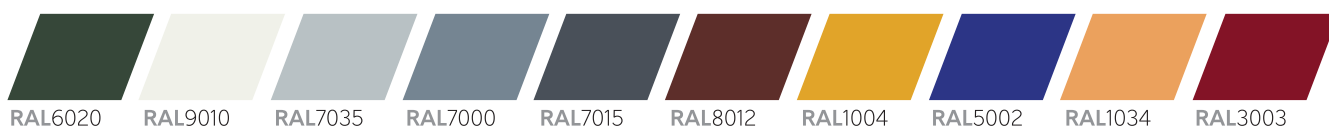
Self-Drilling Screw

ROOFING SCREW



Roofing and cladding to Timber

- Construction screws for fastening roofing and cladding to timber.
- Bonded EPDM sealing washer.
- Powder painted head.


M4.8 x 19
M4.8 x 28
M4.8 x 35
M4.8 x 55
M4.8 x 70

Dimension

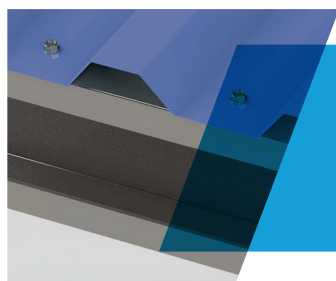
Drill Point

Drill Capacity (mm)

M4.8 x 20	No.2	1.6
M4.8 x 28	No.2	1.6
M4.8 x 35	No.2	1.6
M4.8 x 55	No.2	1.6
M4.8 x 70	No.2	1.6

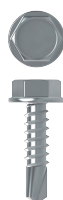
Self-Drilling Screw

DIN7504K Hex Washer Head



Roofing and cladding to light section steel

- DIN Standard for European market
- Construction screw for fastening roofing and cladding to light section steel.



M3.5 x L

M4.2 x L

M4.8 x L

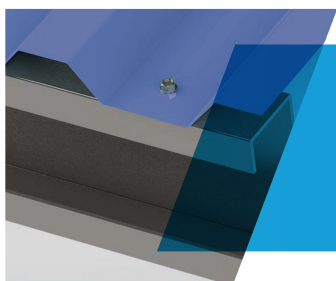
M5.5 x L

M6.3 x L

Dimension	Drill Point	Drill Capacity (mm)
M3.5 x 10	No.2	1.0
M3.5 x 13	No.2	1.0
M3.5 x 16	No.2	1.0
M4.2 x 13	No.2	2.0
M4.2 x 16	No.2	2.0
M4.2 x 19	No.2	2.0
M4.2 x 25	No.2	2.0
M4.8 x 16	No.2	2.0
M4.8 x 19	No.2	2.0
M4.8 x 25	No.3	3.0
M4.8 x 32	No.3	3.0
M4.8 x 38	No.3	3.0
M5.5 x 19	No.3	4.0
M5.5 x 25	No.3	4.0
M5.5 x 32	No.3	4.0
M5.5 x 38	No.3	4.0
M6.3 x 19	No.3	4.0
M6.3 x 25	No.3	4.0
M6.3 x 32	No.3	4.0
M6.3 x 38	No.3	4.0

Self-Drilling Screw

SAE J78 Hex Washer Head



Roofing and cladding to light section steel

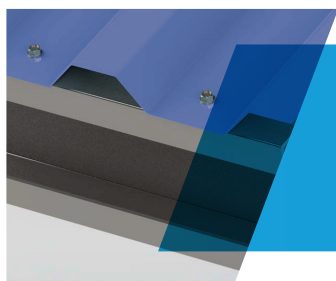
- IFI and SAE Standard for American market
- Construction screw for fastening roofing and cladding to light section steel.


6-20 x L
8-18 x L
10-16 x L
12-14 x L
14-14 x L

Dimension	Drill Point	Drill Capacity (mm)
#6-20 x 3/8"	No.2	1.0
#6-20 x 1/2"	No.2	1.0
#6-20 x 5/8"	No.2	1.0
#8-18 x 1/2"	No.2	2.0
#8-18 x 5/8"	No.2	2.0
#8-18 x 3/4"	No.2	2.0
#8-18 x 1"	No.2	2.0
#10-16 x 5/8"	No.2	2.0
#10-16 x 3/4"	No.2	2.0
#10-16 x 1"	No.3	3.0
#10-16 x 1-1/4"	No.3	3.0
#10-16 x 1-1/2"	No.3	3.0
#12-14 x 3/4"	No.3	4.0
#12-14 x 1"	No.3	4.0
#12-14 x 1-1/4"	No.3	4.0
#12-14 x 1-1/2"	No.3	4.0
#14-14 x 3/4"	No.3	4.0
#14-14 x 1"	No.3	4.0
#14-14 x 1-1/4"	No.3	4.0
#14-14 x 1-1/2"	No.3	4.0

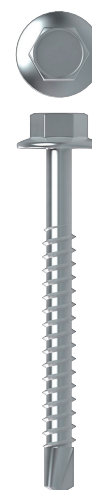
Self-Drilling Screw

AS3566 Hex Flange Head



Roofing and cladding to light section steel

- AS Standard for Australian market
- Construction screw for fastening roofing and cladding to light section steel.



8-18 x L

10-16 x L


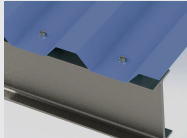


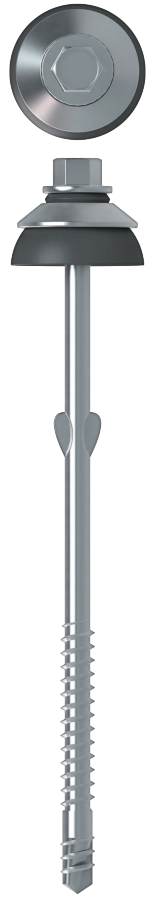
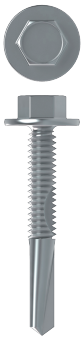
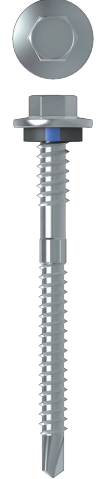
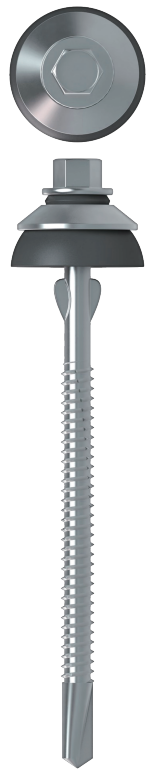

12-14 x L

14-10 x L

Dimension	Drill Point	Drill Capacity (mm)
8-18 x 12mm	No.2	2.5
10-16 x 16mm	No.2	3.5
10-16 x 25mm	No.2	3.5
12-14 x 20mm	No.3	4.5
12-14 x 30mm	No.3	4.5
12-14 x 35mm	No.3	4.5
12-14 x 45mm	No.3	4.5
12-14 x 55mm	No.3	4.5
12-14 x 65mm	No.3	4.5
12-14 x 75mm	No.3	4.5
14-10 x 25mm	No.3	4.5
14-10 x 42mm	No.3	4.5
14-10 x 50mm	No.3	4.5
14-10 x 65mm	No.3	4.5
14-10 x 75mm	No.3	4.5
14-10 x 95mm	No.3	4.5

Self-Drilling Screw

SPECIAL

<p>Sandwich panels to heavy section steel</p> 	<p>Fibre cement to light section steel</p>	<p>Fibre cement to timber purlins and rails</p>	<p>Roofing and cladding to heavy section steel</p> 	<p>Steel roof sheeting to steel purlins</p>	<p>Fibre cement to heavy section steel</p>	<p>Sheet to sheet stitching</p>
						
Double Thread	Fibre Cement #3pt	Fibre Cement BAZ Washer	Hex Washer Head #5t	Double Thread Shank Guard	Fibre Cement #5pt	Stitching Point

Self-Drilling Screw

Pan Head

Fixing sheeting to steel where a neat finish is required



6-20 x L
M3.5 x L

8-18 x L
M4.2 x L

10-16 x L
M4.8 x L

Countersunk Head

Fixing sheeting to steel where a flush finish is required



6-20 x L
M3.5 x L

8-18 x L
M4.2 x L

10-16 x L
M4.8 x L

Dimension		Drill Point	Drill Capacity (mm)
M3.5 x 10	#6-20 x 3/8"	No.2	1.0
M3.5 x 13	#6-20 x 1/2"	No.2	1.0
M3.5 x 16	#6-20 x 5/8"	No.2	1.0
M4.2 x 13	#8-18 x 1/2"	No.2	2.0
M4.2 x 16	#8-18 x 5/8"	No.2	2.0
M4.2 x 19	#8-18 x 3/4"	No.2	2.0
M4.2 x 25	#8-18 x 1"	No.2	2.0
M4.8 x 13	#10-16 x 1/2"	No.2	2.0
M4.8 x 16	#10-16 x 5/8"	No.2	2.0
M4.8 x 19	#10-16 x 3/4"	No.2	2.0
M4.8 x 25	#10-16 x 1"	No.3	3.0
M4.8 x 32	#10-16 x 1-1/4"	No.3	3.0
M4.8 x 38	#10-16 x 1-1/2"	No.3	3.0

Dimension		Drill Point	Drill Capacity (mm)
M3.5 x 10	#6-20 x 3/8"	No.2	1.0
M3.5 x 13	#6-20 x 1/2"	No.2	1.0
M3.5 x 16	#6-20 x 5/8"	No.2	1.0
M3.5 x 19	#6-20 x 3/4"	No.2	1.0
M3.5 x 25	#6-20 x 1"	No.2	1.0
M4.2 x 13	#8-18 x 1/2"	No.2	2.0
M4.2 x 16	#8-18 x 5/8"	No.2	2.0
M4.2 x 19	#8-18 x 3/4"	No.2	2.0
M4.2 x 25	#8-18 x 1"	No.2	2.0
M4.8 x 13	#10-16 x 1/2"	No.2	2.0
M4.8 x 16	#10-16 x 5/8"	No.2	2.0
M4.8 x 19	#10-16 x 3/4"	No.2	2.0
M4.8 x 25	#10-16 x 1"	No.3	3.0
M4.8 x 32	#10-16 x 1-1/4"	No.3	3.0
M4.8 x 38	#10-16 x 1-1/2"	No.3	3.0

Self-Drilling Screw

Button Head

Fixing sheeting to steel where a large head is required



8-18 x L
M4.2 x L

Wafer Head

Fixing sheeting to steel where a low profile is required



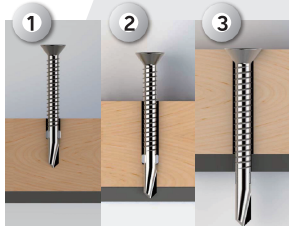
10-16 x L
M4.8 x L

Dimension	Drill Point	Drill Capacity (mm)
M4.2 x 13 #8-18 x 1/2"	No.2	2.0
M4.2 x 16 #8-18 x 5/8"	No.2	2.0
M4.2 x 19 #8-18 x 3/4"	No.2	2.0
M4.2 x 25 #8-18 x 1"	No.2	2.0
M4.2 x 32 #8-18 x 1-1/4"	No.2	2.0
M4.2 x 41 #8-18 x 1-5/8"	No.2	2.0

Dimension	Drill Point	Drill Capacity (mm)
10-16 x 16mm	No.2	3.0
10-16 x 22mm	No.2	3.0
10-16 x 30mm	No.2	3.0

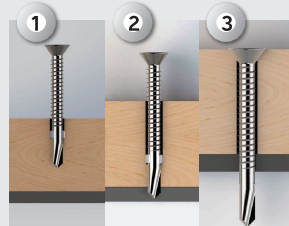
Countersunk Wings

Timber to light section steel purlins and rails



#3pt

Timber to heavy section steel purlins and rails

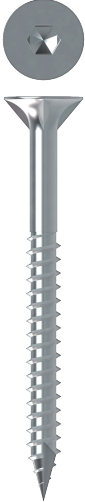
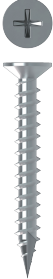
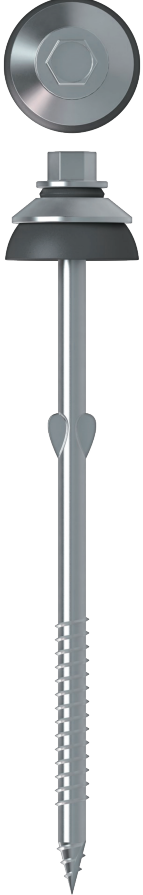
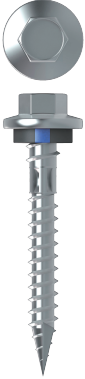

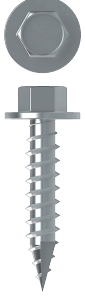
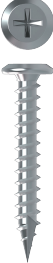


#5pt

Dimension	Drill Point	Drill Capacity (mm)
M4.8 x 25	No.3	3.0
M4.8 x 32	No.3	3.0
M4.8 x 38	No.3	3.0
M4.8 x 45	No.3	3.0
M5.5 x 38	No.3	3.0
M5.5 x 50	No.3	3.0
M5.5 x 55	No.3	3.0
M5.5 x 75	No.3	3.0

Dimension	Drill Point	Drill Capacity (mm)
M5.5 x 50	No.5	10.0
M5.5 x 55	No.5	10.0
M5.5 x 75	No.5	10.0
M6.3 x 50	No.5	10.0
M6.3 x 80	No.5	10.0

Type 17 Screw

Fixing timber sections together where a larger gauge and flush finish is required	Fixing timber sections to timber where a flush finish is required	Fibre cement to timber	Fixing steel roof sheeting to timber battens or rafters	Fixing thin steel to timber	Fixing thin steel to timber	Fixing brackets and roofing clips to timber
						
Bugle Batten Head	Countersunk Head	Hex Head Fibre Cement	Double Thread Shank Guard	Hex Flange Head	Hex Washer Head	Wafer Head

Drywall Screw

Fixing
plasterboard
to thin steel up
to 0.75mm



**Coarse
Thread**
6-9 x L
M3.5 x L

Fixing
plasterboard
to thin steel up
to 1.00mm



**Fine
Thread**
6-18 x L
M3.5 x L

Dimension

M3.5 x 25	#6-9 x 1"
M3.5 x 32	#6-9 x 1-1/4"
M3.5 x 41	#6-9 x 1-5/8"



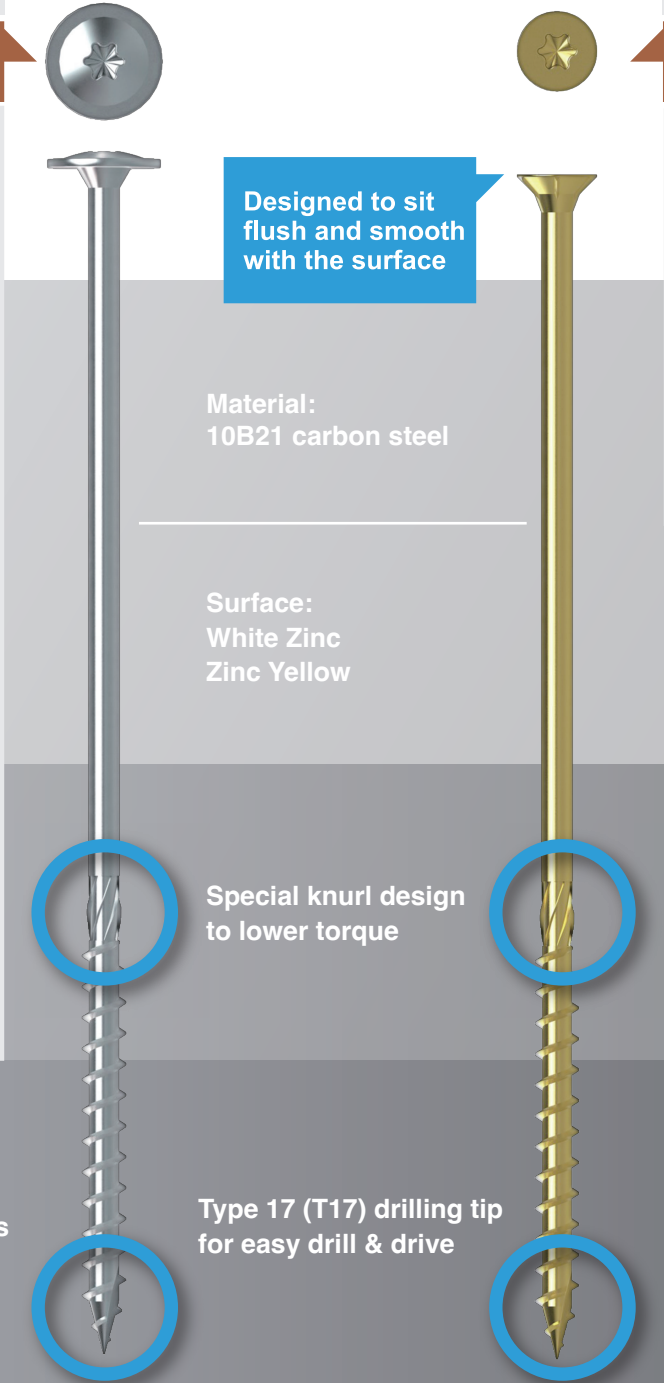
Dimension

M3.5 x 25	#6-18 x 1"
M3.5 x 32	#6-18 x 1-1/4"
M3.5 x 41	#6-18 x 1-5/8"



Drywall Screw





Timber Screw

Wafer Head		Countersunk Head
Torx 40		
M8 x 120 M8 x 140 M8 x 160 M8 x 180 M8 x 200 M8 x 220 M8 x 240 M8 x 260 M8 x 280 M8 x 300 M10 x 120 M10 x 140 M10 x 160 M10 x 180 M10 x 200 M10 x 220 M10 x 240 M10 x 260 M10 x 280 M10 x 300	 <p>Designed to sit flush and smooth with the surface</p> <p>Material: 10B21 carbon steel</p> <p>Surface: White Zinc Zinc Yellow</p> <p>Special knurl design to lower torque</p> <p>Type 17 (T17) drilling tip for easy drill & drive</p> <p>Application: For fixing of wooden members in roofing structures</p>	Torx 40 M8 x 120 M8 x 140 M8 x 160 M8 x 180 M8 x 200 M8 x 220 M8 x 240 M8 x 260 M8 x 280

Bi-metal Screw

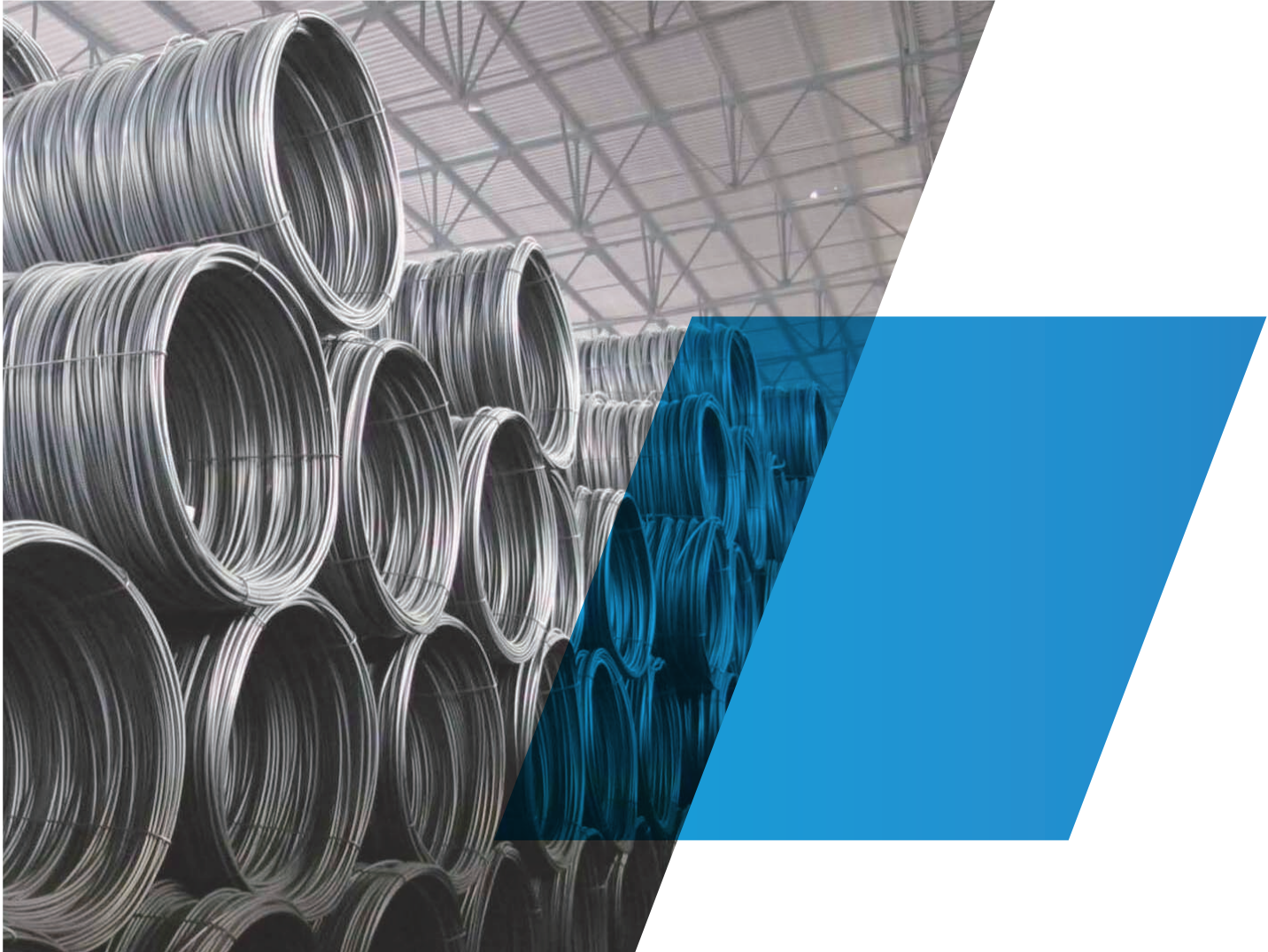


- 300 series Austenitic stainless body.
- High Anti-Corrosion.
- SCM435 alloy steel drilling point
Class 12.9 high tensile steel
- Superior drilling performance.
- Partial heat treatment
- Surface: White Zinc
Rustpert
Zinc-Tin coating

			
Countersunk Head	Hex Washer Head	Hex Washer Head #5pt	Pan Head
Hex Washer Head			
M5.5 x 25		#12-14 x 1"	
M5.5 x 32		#12-14 x 1-1/4"	
M5.5 x 38		#12-14 x 1-1/2"	
Hex Washer Head #5Pt			
M5.5 x 38		#12-24 x 1-1/2"	
Pan Head			
M4.8 x 25		#10-16 x 1"	
Countersunk Head			
M4.8 x 25		#10-16 x 1"	



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