



EC FASTENER
Since 2001

EC International EC Fastener Corporation Product Catalog



Lean Manufacturing
Fastener Innovation
Sustainability

GLOBAL SERVICE NETWORK



*We Serve Global DIY Hardware Retailers &
Professional Fastener Specialists Worldwide*



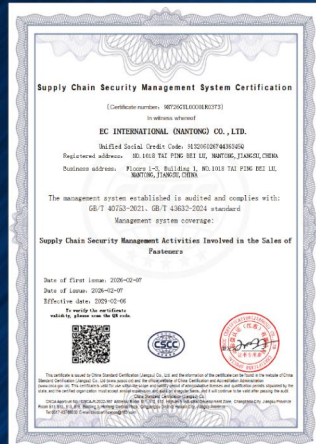
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EC Quality Control



ISO9001



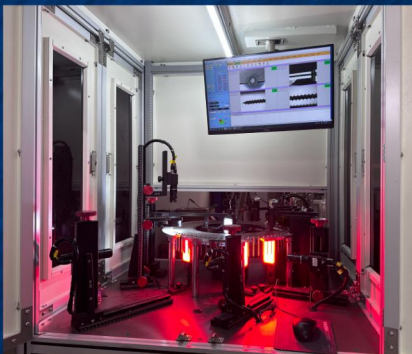
ISO28000



IATF16949



CNAS



Optical 100% Inspection Center



Projector



Coating Thickness and Composition Tester



Material Inspection



Process Inspection



Recess Inspection

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Head Forming & Thread Rolling



Type 17 Slot Forming



Drilling Point Forming

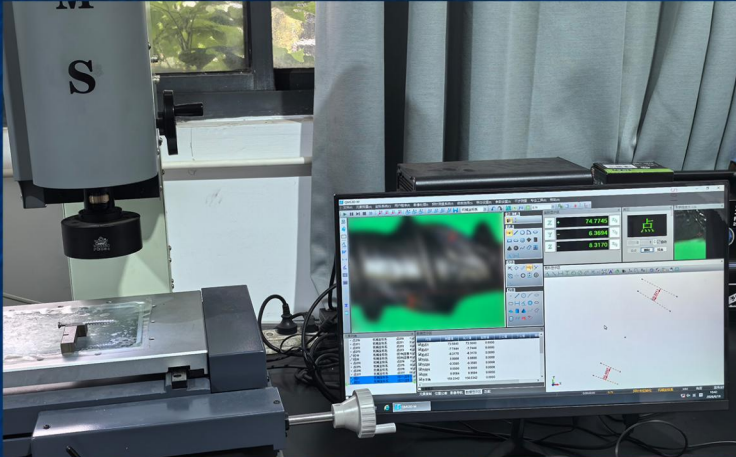


Ultra Long Thread Forming (100mm-400mm)

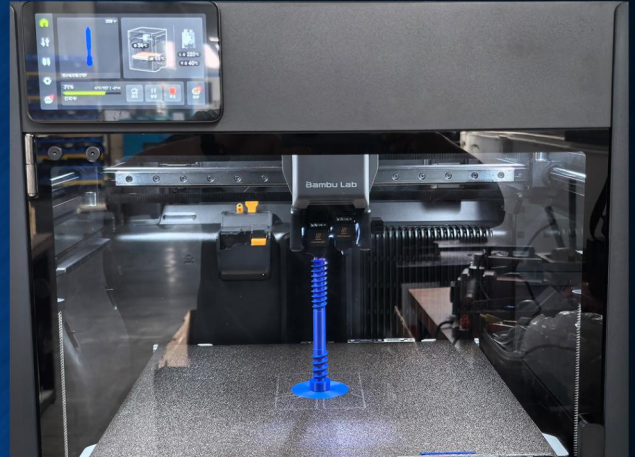


Coil and Wire Area

Screw Design

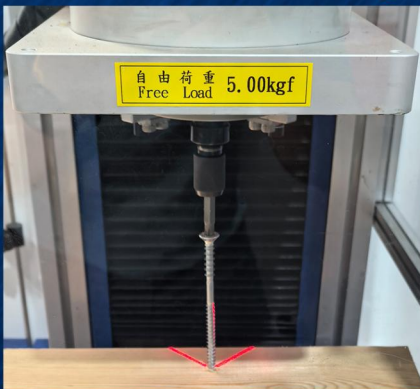


2.5D Optical Metrology



3D Printing Sampling

Benchmark Testing

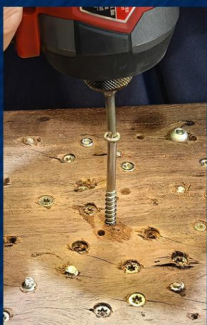


Insert Torque



Drilling Performance

Functional Simulation Test



Hard Wood Testing



Composite Wood Testing



Cement Test Block Testing



Various Testing Materials

DIAMOND POINT CRACK - PROOF DECKING SCREW



Designed for Hard Wood & Split - Prone Wood



Premium
Engagement



Torx Plus



Cylindrical Head For
Clean Surface

Strong Clamping Effect

X2
Efficiency
NEAT
FINISH



Ultra Fast



Zero Predrilling



Crack-Proof

Suitable for
Multiple Timber
Materials



Hard Wood
800kg/m³ MAX



Pine Wood
400kg/m³ MAX

www.ecindustry.com



DIAMOND POINT CRACK - PROOF DECKING SCREW



Designed for Hard Wood & Split - Prone Wood



*Premium
Engagement*



Torx Plus



*Cylindrical Head For
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Strong Clamping Effect

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Efficiency
**NEAT
FINISH**



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*Suitable for
Multiple Timber
Materials*



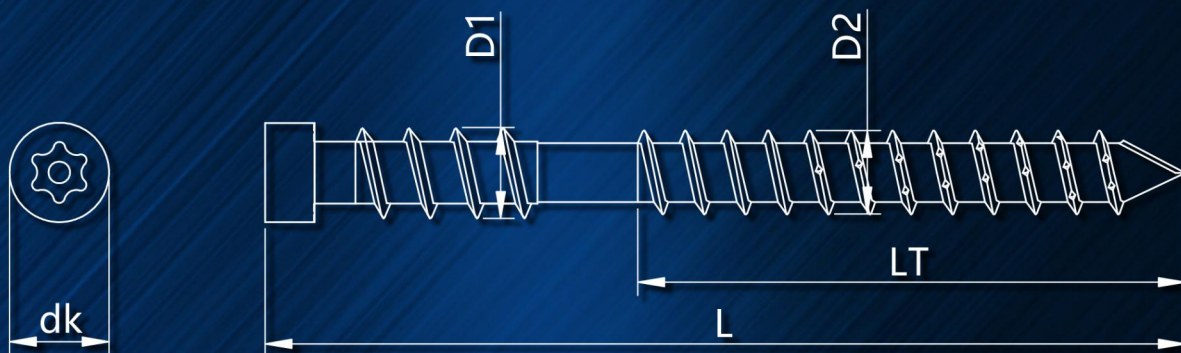
*Hard Wood
800kg/m3 MAX*



*Pine Wood
400kg/m3 MAX*

www.ecindustry.com





Geometric Properties

Nominal Ø [mm]	Drive	dk	D1	D2	LT	L
5.0	TX20	6.2	5.4	5.0	18.0	50.0
					28.0	60.0
5.7	TX25	6.9	6.1	5.7	38.0	65.0
					43.0	75.0

Size	Length	Head	Drive	Material	Finish
5.0mm 10G	50mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze
5.0mm 10G	60mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze
5.0mm 10G	65mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze
5.0mm 10G	75mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze
5.7mm 12G	50mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze
5.7mm 12G	65mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze
5.7mm 12G	75mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating / Passivated / Baked Bronze

CYLINDER HEAD GUIDE PIN SOLAR SCREW



- Solar PV Mounting Structures
- Metal Bracket Assemblies
- Outdoor Renewable Energy Projects

T20 Torx Anti-Slip Drive

**Solar-Grade Fasteners for
Worry-Free Installations**



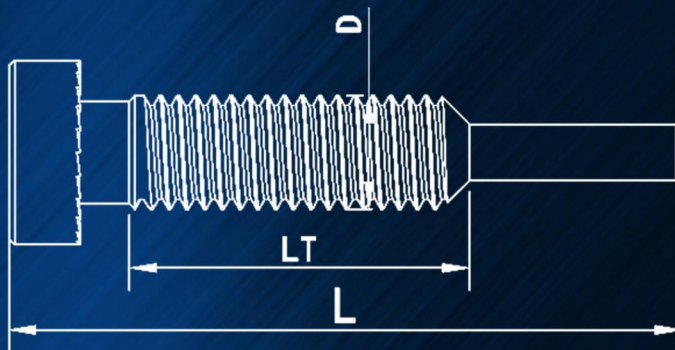
Custom Thread Profile Fits
Aluminum Solar Brackets Perfectly.

Integrated Precision Guide Pin
Enables One-step Hole Alignment.

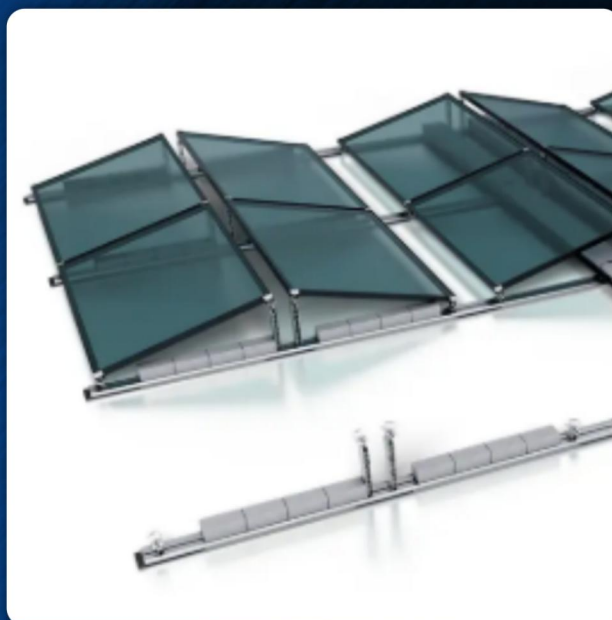
25-Year Weatherproof Performance for Outdoor PV Projects.

www.ecindustry.com





Geometric Properties	Nominal Ø [mm]	8.0
	Shaft Øs [mm]	7.2
	Inner Øi [mm]	/
Mechanical Properties	Tensile Rm [Mpa]	≥700
	Yield Rp0.2 [Mpa]	≥450
	Shear τ[KN]	3.2
	Surface Hardness[HV]	/
	Core Hardness[HV]	≥250
	Torque [N·m]	≥13
	Bending [°]	≥40°



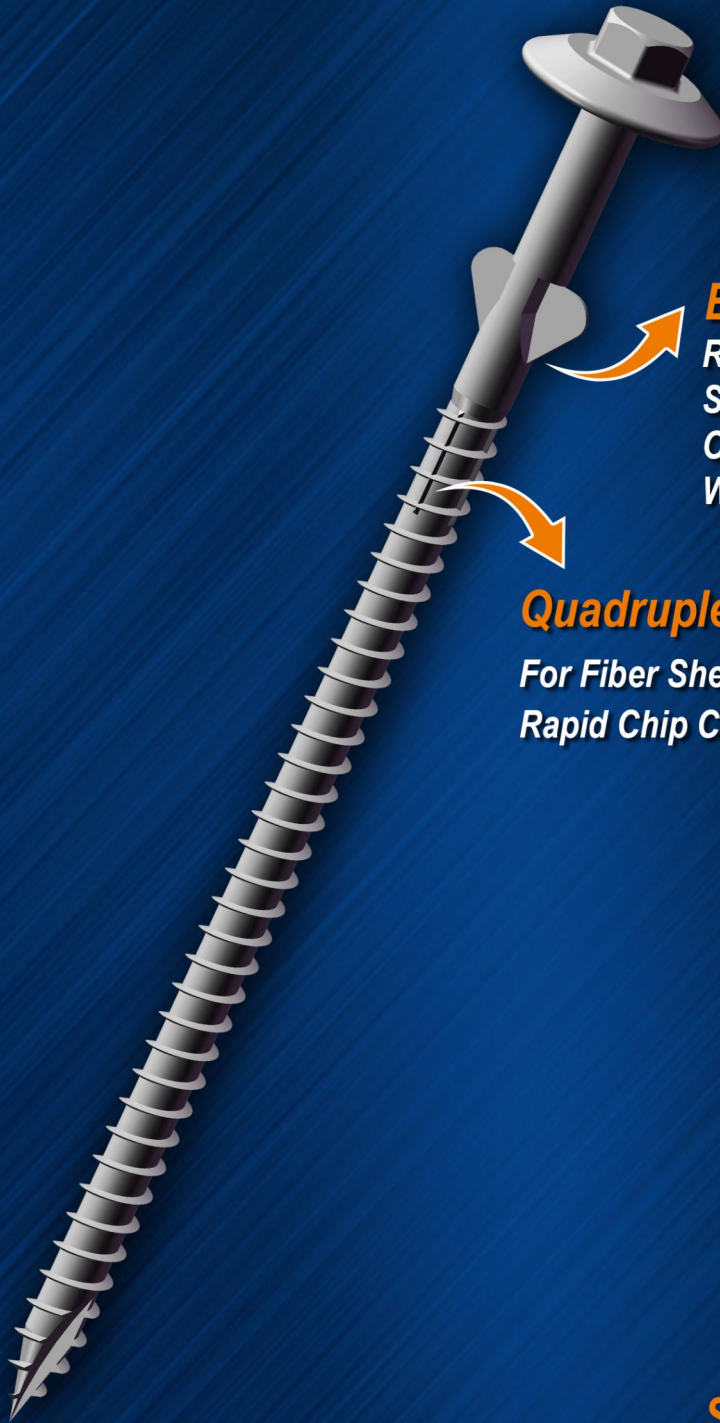
Size	Length	Head	Drive	Material	Finish	Thread Feature	Slot & Tip
M8x42.5	42.5	Cylinder Head	Torx T20	SS304	Clean, Passivation → Gleitmo 615 Wax Coating	Precision Pitch Control for Consistent Fit and Reliable Mechanical Engagement.	End Shank

Geometric Properties					
Nominal Ø [mm]	Drive	dk	D	LT	L
8.0	T40	Ø 13	Ø 7.760–7.972	25.5	42.5
Material	Stainless Steel				
Coating	Passivation				
Point	/				

Polycarbonate Roofing Screw



Designed for Fastening Polycarbonate Board to Wooden Roof



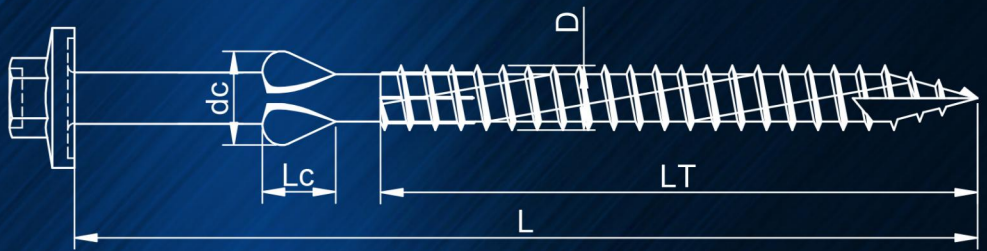
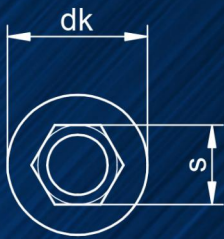
Extra-Size Love-Wings
Result in Smoother, Rounder PC Sheet Holes and Reduced Risk Of Sun-Induced Cracking and Water Leakage.

Quadruple-Rib Reinforced Thread
For Fiber Shearing, Rapid Chip Clearance, and Low Drive Torque.

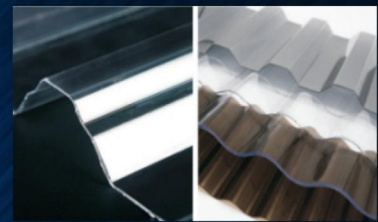
Suitable For Polycarbonate

www.ecindustry.com

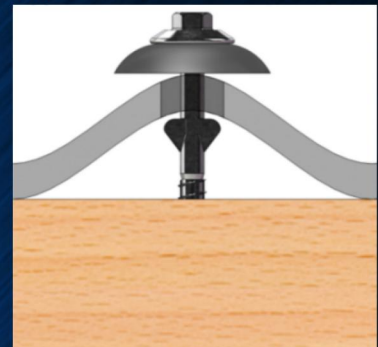




Geometric Properties	Nominal Ø [mm]	6.3
	Shaft Øs [mm]	5.4
	Inner Øi [mm]	4.9
Mechanical Properties	Tensile Rm [Mpa]	≥700
	Yield Rp0.2 [Mpa]	≥560
	Shear τ[KN]	/
	Surface Hardness[HV]	/
	Core Hardness[HV]	≥250
	Torque [N·m]	≥ 11.4
	Bending [°]	≥40°



Application: Wood-to-Polycarbonate



Geometric Properties									
Nominal Ø [mm]	Drive	dk	S	dc	D	d	Lc	LT	L
14G	5/16 HEX	ø13.97~14.78	7.78~7.92	10.5~11.1	ø6.3~6.45	ø4.7~5.0	7.0	86.0	130.0
Material	Stainless Steel								
Coating	Passivation & Ruspert								
Point	Type 17								

MALE HURRICANE BOLT



**Brick-wood Shutter Mounting
Faster Installation**



**Allow Quick and Easy Attachment of
All Types of Storm Panels
Standard 1/4-20 Washered Wing Nuts**

**Oversized 14-10 V-notched Threads
Withstands Cyclic Wind Loads and Vibration Fatigue**



www.ecindustry.com





Geometric Properties	Nominal Ø [mm]	6.7
	Shaft Øs [mm]	5.5
	Inner Øi [mm]	5.0
Mechanical Properties	Tensile Rm [Mpa]	≥1000
	Yield Rp0.2 [Mpa]	≥900
	Shear τ[KN]	3.5
	Surface Hardness[HV]	450~650
	Core Hardness[HV]	320~450
	Torque [N·m]	≥16.8
	Bending [°]	≥25°



Geometric Properties					
Nominal Ø [mm]	Drive	dk	D	L1	L
6.5	1/4 -20 Wing Nut	ø9.50~10.00	ø6.65~6.95	76.0	187.0
6.5	1/4 -20 Wing Nut	ø9.50~10.00	ø6.65~6.95	76.0	82.0
Material	Carbon Steel C1022				
Coating	Dacromet				
Point	Sharp Point				

FEMALE HURRICANE BOLT



Flush-mounting for Hurricane Shutters

Tested to Tough Miami-Dade Hurricane Standards



5/16" Hex Drive
1/4"-20 Female Threads
1/2" Deep Pocket



Hex Drive for a Flush
Unobtrusive Exterior Finish

Gap-free Head Seal



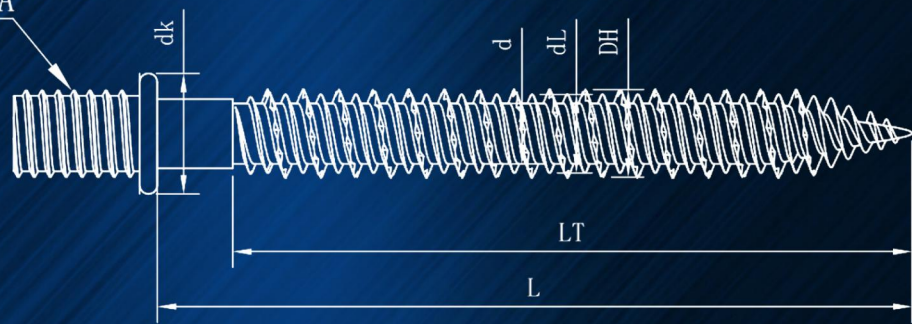
Oversized 14-10 Tooth Threads to
Provide Installation Flexibility

Suitable for Concrete, Block or Wood

www.ecindustry.com



1/4"-20 UNC 2A



Geometric Properties	Nominal Ø [mm]	7.0
	Shaft Øs [mm]	5.5
	Inner Øi [mm]	4.8
Mechanical Properties	Tensile Rm [Mpa]	≥1000
	Yield Rp0.2 [Mpa]	≥900
	Shear τ[KN]	2.6
	Surface Hardness[HV]	450~650
	Core Hardness[HV]	320~450
	Torque [N·m]	≥16.8
	Bending [°]	≥25°



Geometric Properties							
Nominal Ø [mm]	Drive	dk	DH	dL	d	LT	L
6.5	1/4 -20 Nut	Ø 9.40~9.80	Ø 6.85~7.15	Ø 6.06~6.35	Ø 4.65~4.95	55.0	60.0
Material	Carbon Steel						
Coating	Dacromet						

BUGLE HEAD BOARDWALK DECK SCREW



*Sinks Fully into Timber
No Extra Sanding Required*

*High Torque Drive
Ensures Slip Resistancy*

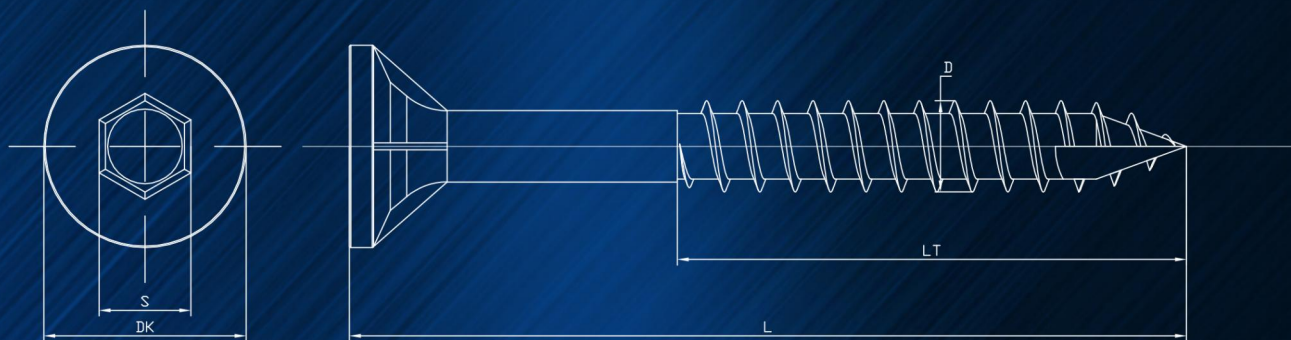


*Type17 cut
Eliminates Pre-Drilling &
Prevents Hardwood Splitting*

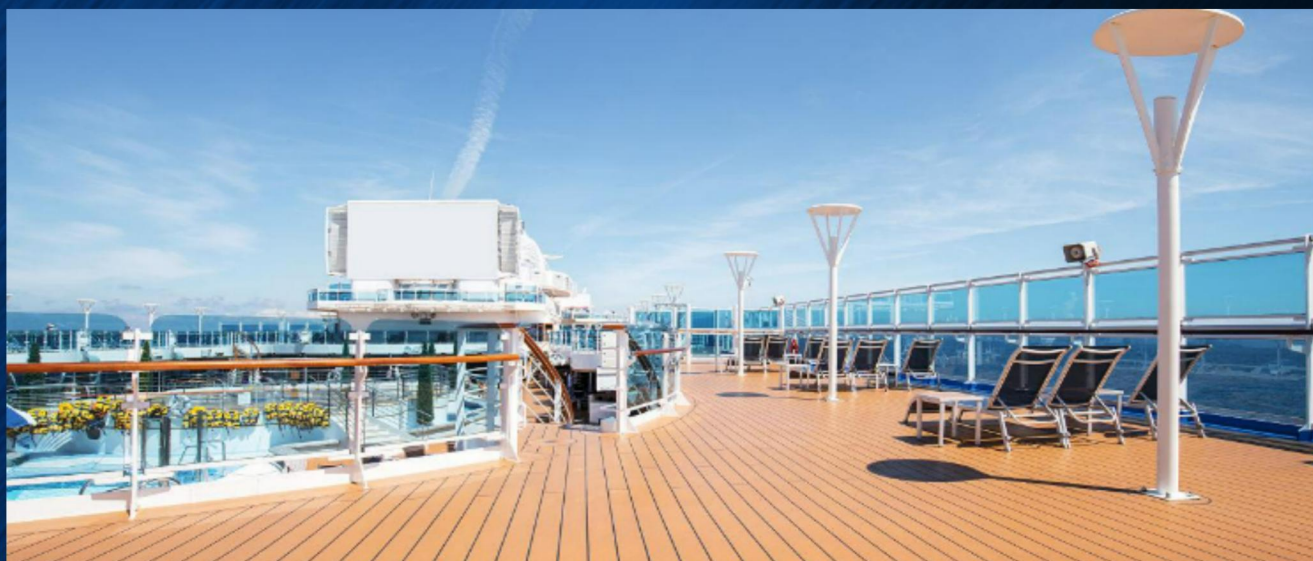
Premium Stainless Steel Passivated & Wax

www.ecindustry.com





Stainless Steel | For Corrosional Coastal Environment



Size	Length	Head	Drive	Material	Finish	Thread Feature	Slot & Tip
14-10x50	50mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17
14-10x65	65mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17
14-10x75	75mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17
14-10x85	85mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17
14-10x100	100mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17
14-10x125	125mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17
14-10x150	150mm	Bugle Head	Internal Hex	SS 304 /316	Passivated & Wax	Full Threads To Tip	Type 17

PREMIUM PYRAMID SCREWS



For Quick Outdoor Deck Installation

Upper Threads Lock
The Deck and Timber

X2
Speedy
ZERO
PREDRILLING



Special Pyramid-cut Thread Design
Low Driving Torque
No Wood Splitting

Suitable for
Multiple Timber
Materials



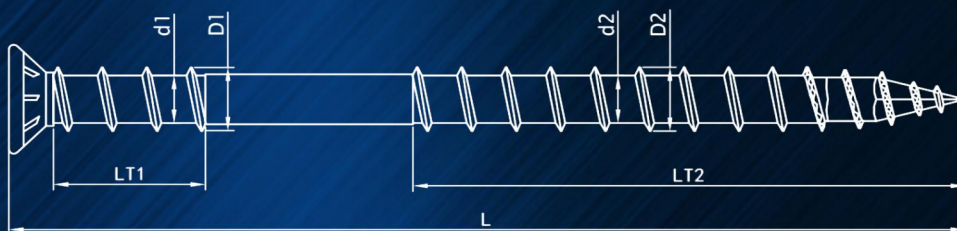
Hard Wood
800kg/m³ MAX



Pine Wood
400kg/m³ MAX

www.ecindustry.com





Mechanical Properties	Tensile Rm [Mpa]	≥700
	Yield Rp0.2 [Mpa]	≥500
	Shear τ [KN]	1.2
	Surface Hardness [HV]	/
	Core Hardness [HV]	≥240
	Torque [N·m]	≥5.6
	Bending [°]	≥45°



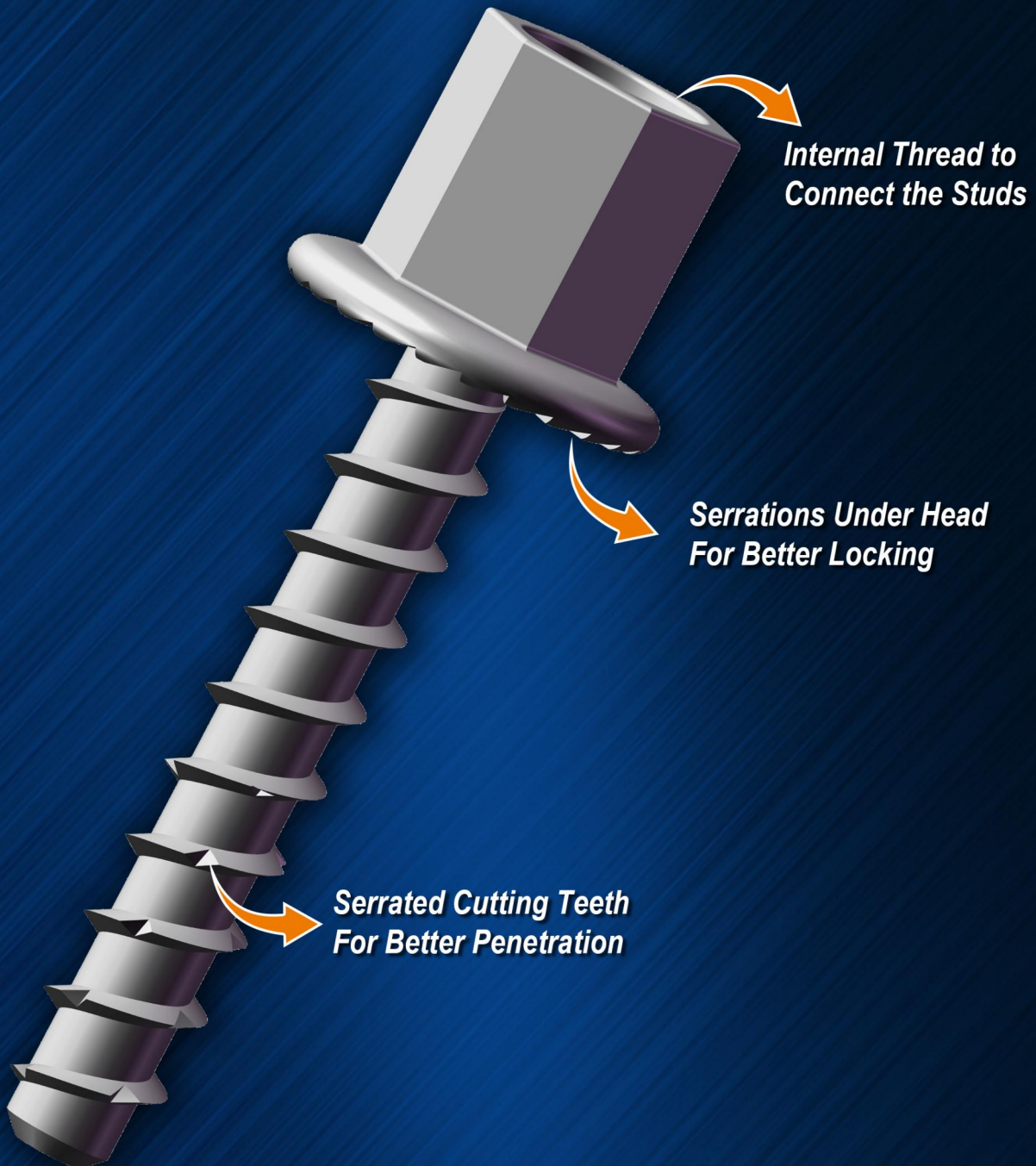
Geometric Properties									
NominalØ [mm]	Drive	dk	D1	d1	D2	d2	LT1	LT2	L
6.5	TX20	Ø 7.90~8.20	Ø 5.00~5.30	Ø 3.50~3.70	Ø 5.00~5.30	Ø 3.30~3.50	10.0	32.0	50.0
								40.0	60.0
								50.0	75.0
Material	Stainless Steel								
Coating	Passivation								

Size	Length	Head	Drive	Material	Finish	Thread Feature
10G	50	Countersunk	Torx	SS316	Clean+Passivated	Pyramid Thread
10G	65	Countersunk	Torx	SS316	Clean+Passivated	Pyramid Thread
10G	75	Countersunk	Torx	SS316	Clean+Passivated	Pyramid Thread

THREADED COUPLING CONCRETE BOLT



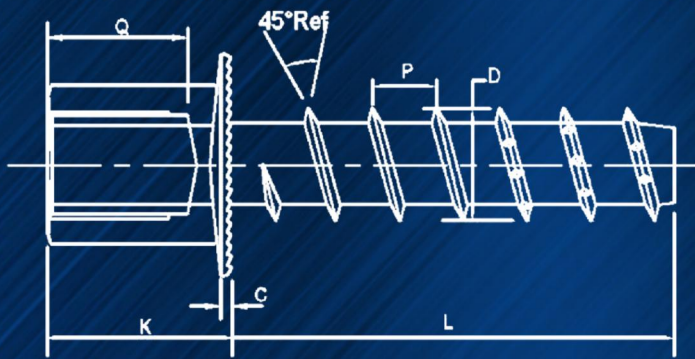
Used in Concrete Ceilings to Secure Studs



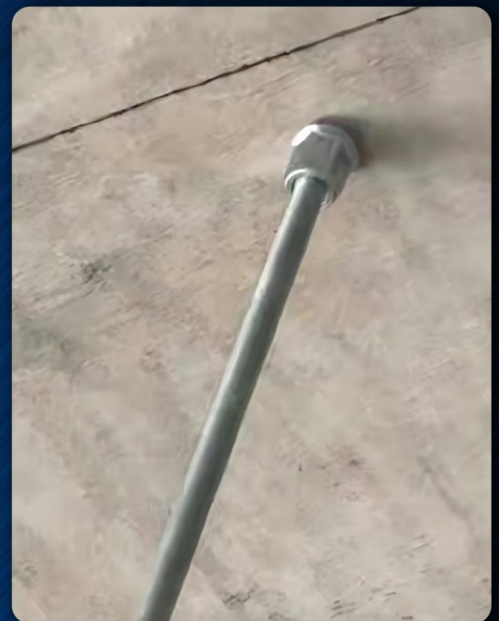
Suitable for Multiple Concrete / Masonry Materials

www.ecindustry.com





Geometric Properties	Nominal Ø [mm]	7.5
	Shaft Øs [mm]	5.9
	Inner Øi [mm]	5.5
Mechanical Properties	Tensile Rm [Mpa]	≥800
	Yield Rp0.2 [Mpa]	≥640
	Shear τ[KN]	1.5
	Surface Hardness[HV]	450~750
	Core Hardness[HV]	320~450
	Torque [N·m]	≥20
	Bending [°]	≥25°



Size	External Major Diameter	Internal Thread	Material	Finish
M6x35mm	7.8mm	M8-1.25	Carbon Steel	Zinc Plated
M6x40mm	7.8mm	M8-1.25	Carbon Steel	Zinc Plated
M6x45mm	7.8mm	M8-1.25	Carbon Steel	Zinc Plated
M6x55mm	7.8mm	M8-1.25	Carbon Steel	Zinc Plated
M6x35mm	7.8mm	M10-1.5	Carbon Steel	Zinc Plated
M6x40mm	7.8mm	M10-1.5	Carbon Steel	Zinc Plated
M6x45mm	7.8mm	M10-1.5	Carbon Steel	Zinc Plated
M6x55mm	7.8mm	M10-1.5	Carbon Steel	Zinc Plated
1/4x1-1/2	8mm	1/4-20	Carbon Steel	Zinc Plated
1/4x1-3/4	8mm	3/8-16	Carbon Steel	Zinc Plated
3/8x2-3/4	12mm	1/2-13	Carbon Steel	Zinc Plated

CONCRETE FRAME SCREW

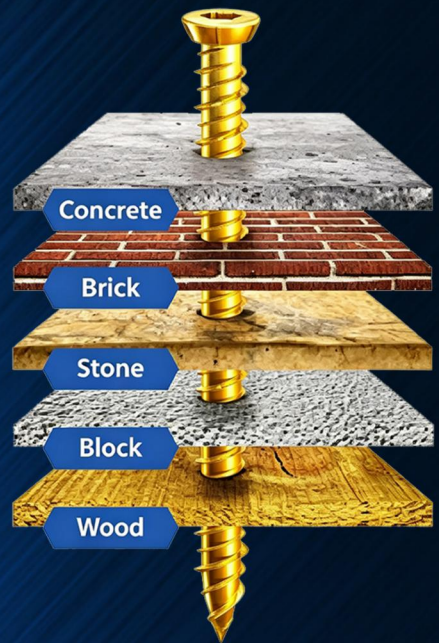
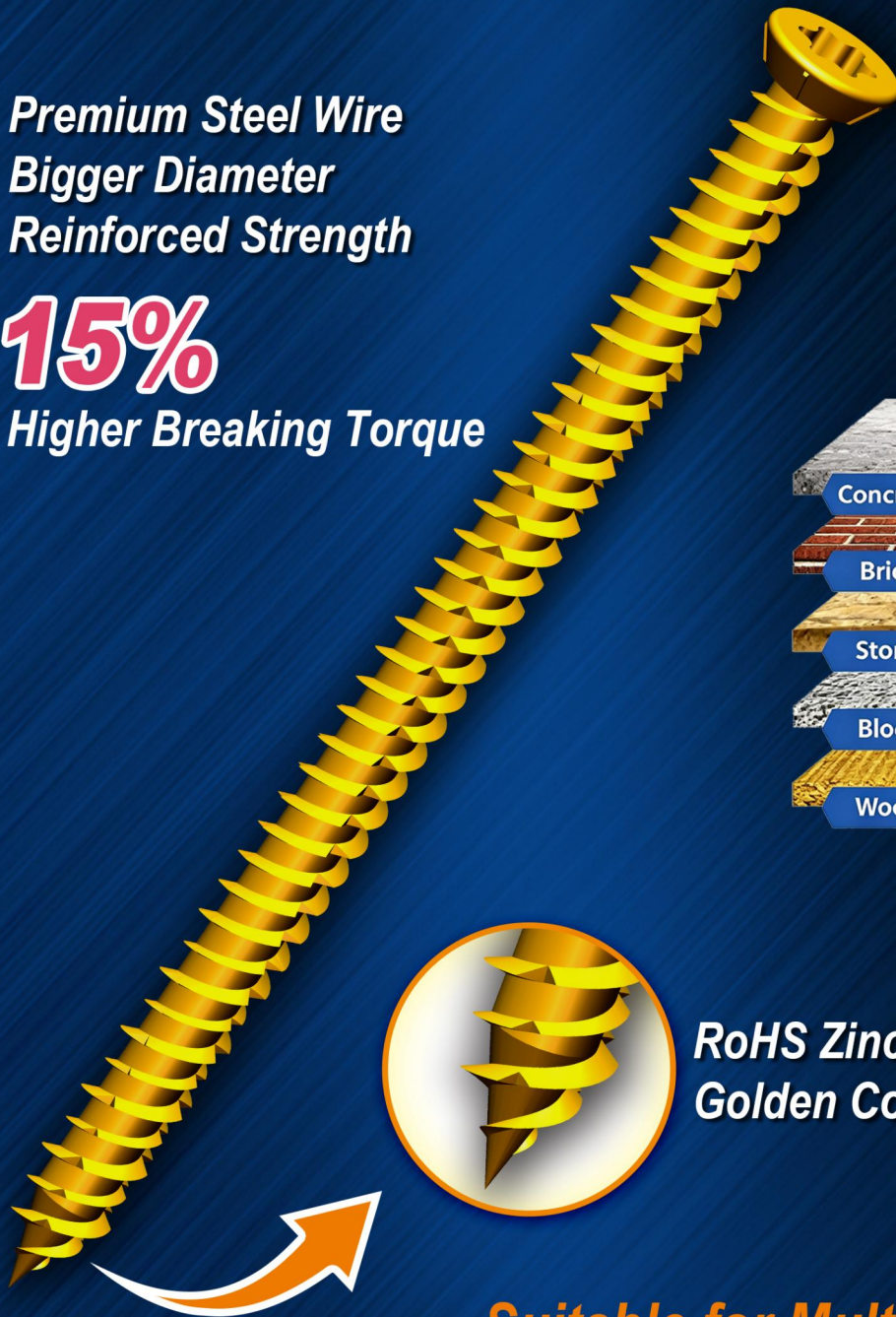


For Window & Door Frame Installation

*Premium Steel Wire
Bigger Diameter
Reinforced Strength*

15%

Higher Breaking Torque

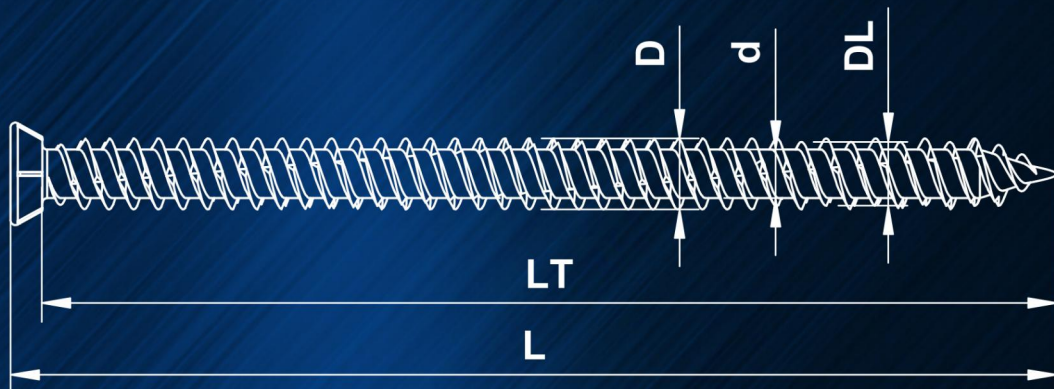


*RoHS Zinc
Golden Color*

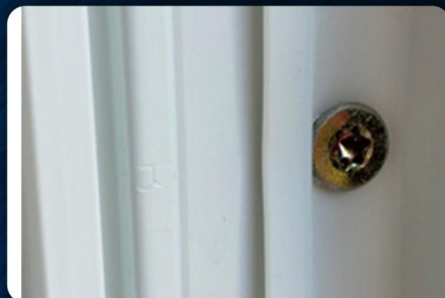
Suitable for Multiple Materials

www.ecindustry.com





Geometric Properties	Nominal Ø [mm]	7.5
	Shaft Øs [mm]	5.7
	Inner Øi [mm]	5.2
Mechanical Properties	Tensile Rm [Mpa]	≥1000
	Yield Rp0.2 [Mpa]	≥900
	Shear τ[KN]	2.4
	Surface Hardness[HV]	490~750
	Core Hardness[HV]	320~470
	Torque [N·m]	≥20
	Bending [°]	≥25°



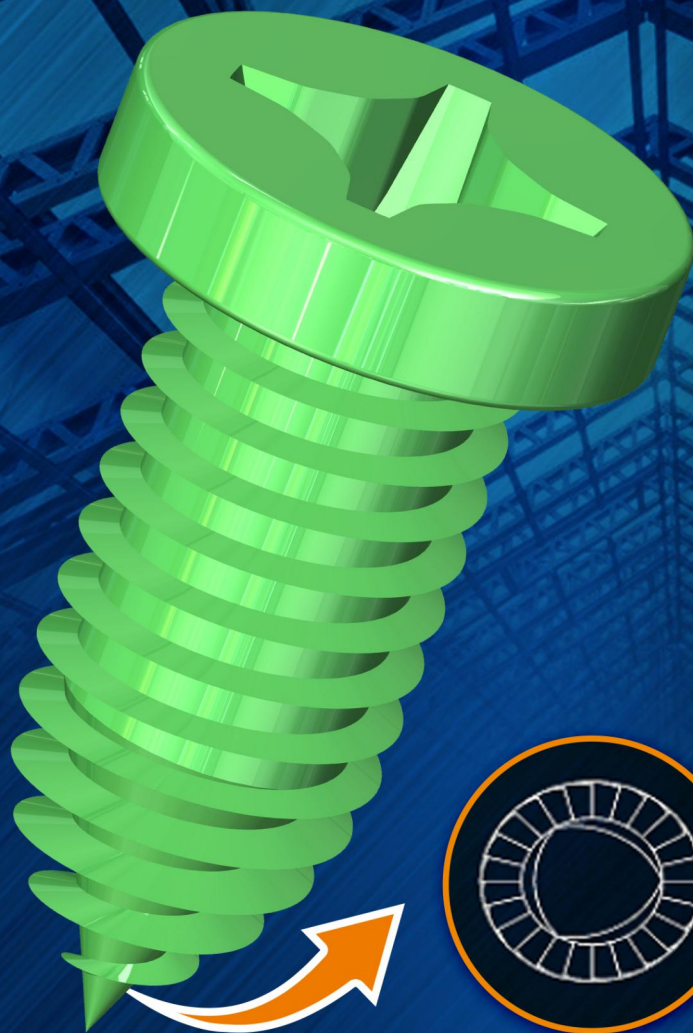
Geometric Properties					
Nominal Ø [mm]	Drive	dk	D	d	LT
7.5	TX30	Ø11.0~12.0	Ø7.3~7.6	Ø5.2	Full Thread

Size	Length	Head	Drive	Material	Finish	Thread Feature
7,5 x 52	52MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 62	62MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 72	72MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 82	82MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 102	102MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 112	112MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 122	122MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 132	132MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 152	152MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 182	182MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread
7,5 x 212	212MM	Trim Countersunk Torx Head	T30	1022	Zinc & Yellow Passivated	Deep High/Low Thread

LIGHT STEEL FRAMING / LGS SCREW



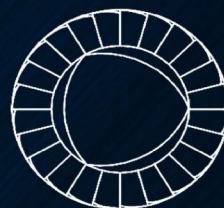
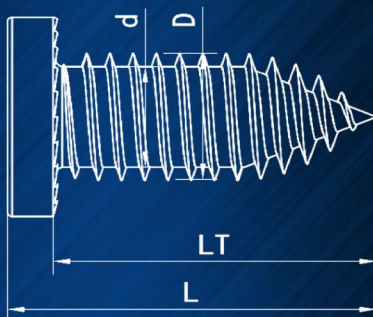
The Ultimate Trilobular Thread Forming Screw



*Forming the Future of Green Construction:
Fast, Reliable, and High Pull-Out Resistant.*

www.ecindustry.com





Geometric Properties	Nominal Ø [mm]	6.0
	Shaft Øs [mm]	5.5
	Inner Øi [mm]	4.8
Mechanical Properties	Tensile Load [KN]	≥20
	Shear τ[KN]	≥3.5
	Surface Hardness[HV]	530~750
	Core Hardness[HV]	250~450
	Torque [N·m]	≥19
	Bending [°]	≥15°



Geometric Properties

Nominal Ø [mm]	Drive	dk	D	d	LT	L
6.0	Philip NO.3	Ø9.40~9.60	Ø5.90~6.10	Ø4.78~4.82	Full Thread	16.0
Material	Carbon Steel					
Coating	Ruspert					
Thread	Trilobular Thread					
Point	Sharp Point					

SUPER - FAST STRUCTURAL TIMBER SCREW



For High - Load Beam - to - Frame & Roof Truss Connections

Countersunk Head

**Aggressive Sharp Thread
Instant Grip
Hassle - Free Driving**

20% Lower Driving Torque

30% Faster Installation



**Precision - Formed Full - to - Tip Threads
Accelerates Fast Installation**

**Suitable for
Multiple Timber
Materials**

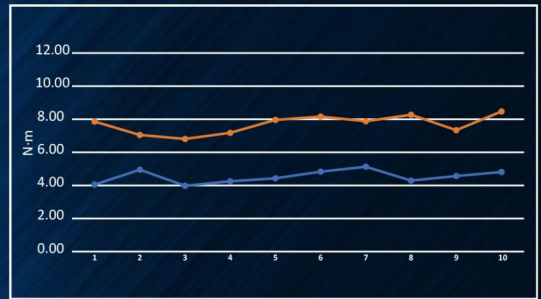
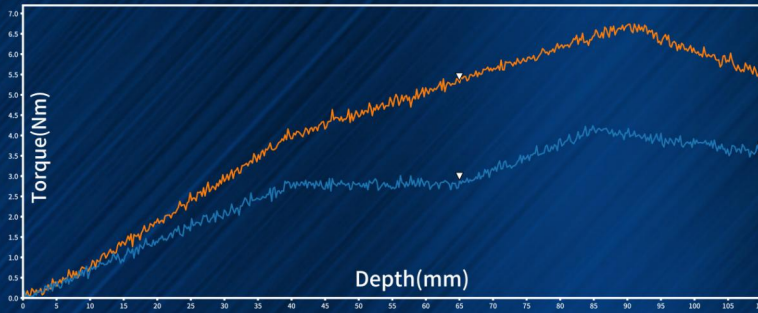


Pine Wood
400kg/m3 MAX

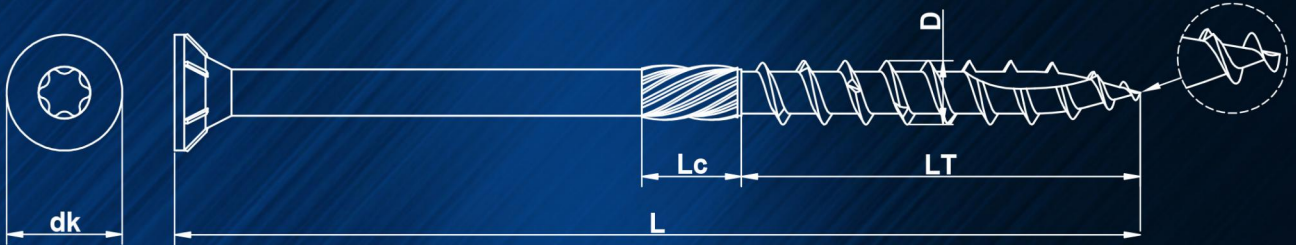
www.ecindustry.com



Benchmarking Test for Insert Torque



— EC Super - Fast Structural Timber Screw — Traditional Structural Timber Screw



Super - Fast Structural Timber Screw

Geometric Properties	Nominal Ø [mm]	6.0	8.0	10.0
	Shaft Øs [mm]	4.3	5.8	7.0
	Inner Øi [mm]	3.9	5.3	6.4
Mechanical Properties	Tensile Rm [Mpa]	≥800		
	Yield Rp0.2 [Mpa]	≥640		
	Shear τ [KN]	3.2	6.4	9.5
	Surface Hardness [HV]	450~650		
	Core Hardness [HV]	320~450		
	Torque [N·m]	≥11.0	≥28.0	≥40.0
	Bending [°]	≥45°		

Geometric Properties						
Nominal Ø [mm]	Drive	dk	D	Lc	LT	L
6.0	TX30	Ø11.40~Ø12.20	Ø5.80~Ø6.20	Ø11.0~Ø13.0	25~75	40~300
8.0	TX40	Ø14.0 ~Ø15.00	Ø7.60~Ø8.25	Ø11.0~Ø13.0	35~100	60~600
10.0	TX40	Ø17.00~Ø19.00	Ø9.60~Ø10.25	Ø11.0~Ø13.0	50~100	80~600
Material	Carbon Steel					
Coating	Zinc Passivation & Wax					
Point	Type 17					

Size	Length	Head	Drive	Material	Finish	Thread Feature	Slot & Tip
M6	80-280mm	Countersunk	Torx T30	Carbon Steel	Blue Zinc Passivation & Wax	Coarse Thread	Single Type 17 Slot/ Auger Point
M8	80-400mm	Countersunk	Torx T40	Carbon Steel	Blue Zinc Passivation & Wax	Coarse Thread	Single Type 17 Slot/ Auger Point
M10	80-400mm	Countersunk	Torx T40	Carbon Steel	Blue Zinc Passivation & Wax	Coarse Thread	Single Type 17 Slot/ Auger Point

SUPER FAST TIMBER STRUCTURAL SCREW



For High - Load Beam - to - Frame & Roof Truss Connections



Wafer Head

**Aggressive Sharp Thread
Instant Grip
Hassle-Free Driving**

20% Lower Driving Torque

30% Faster Installation



**Precision - Formed Full - to - Tip Threads
Accelerates Fast Installation**

**Suitable for
Multiple Timber
Materials**

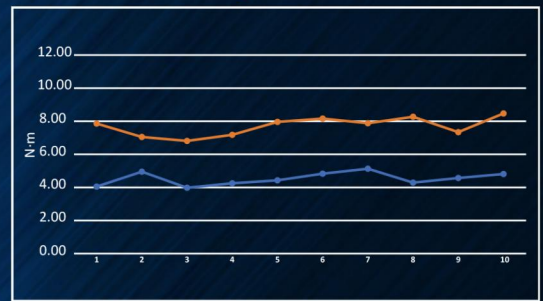
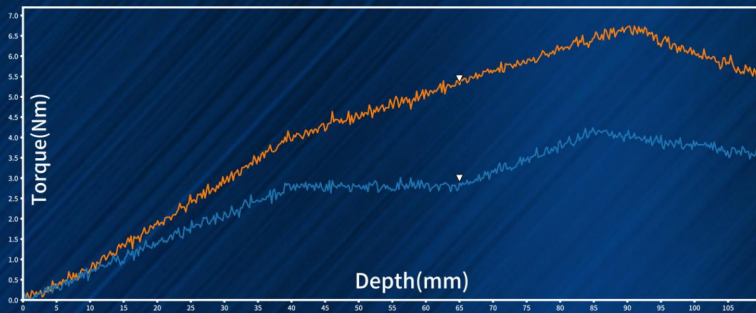


Pine Wood
400kg/m³ MAX

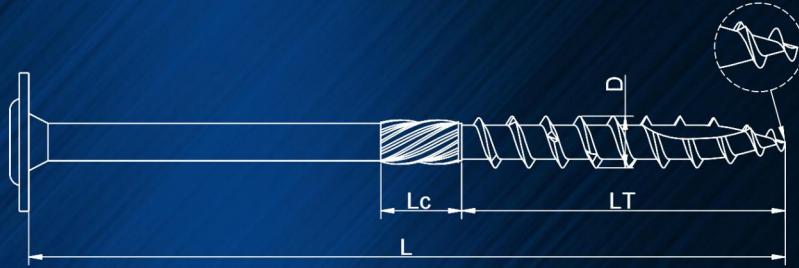
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Benchmarking Test for Insert Torque



— EC Super - Fast Structural Timber Screw — Traditional Structural Timber Screw



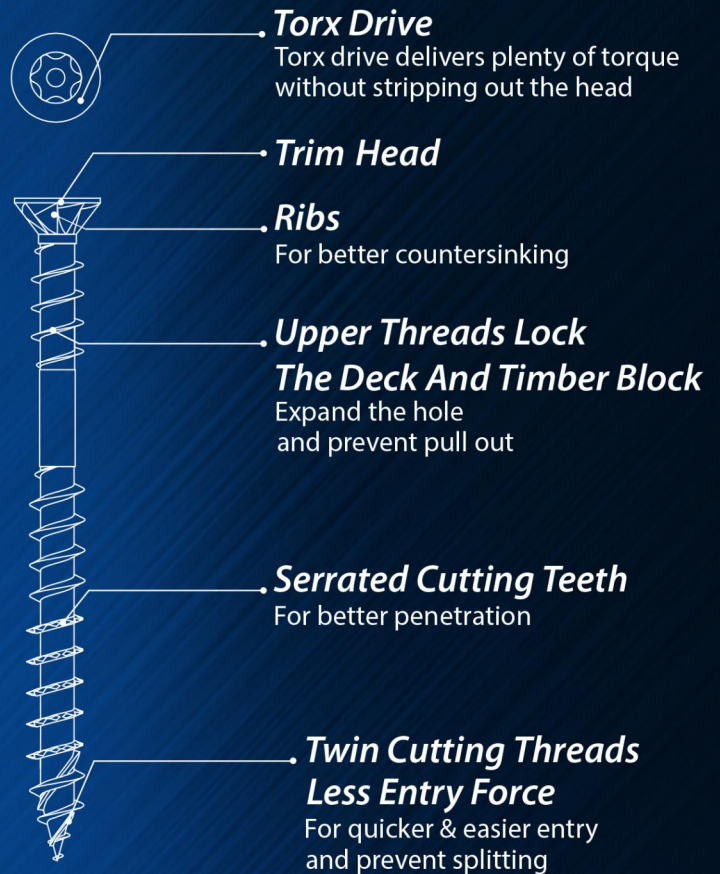
Super - Fast Structural Timber Screw

Geometric Properties	Nominal Ø [mm]	6.0	8.0	10.0
	Shaft Øs [mm]	4.3	5.8	7.0
	Inner Øi [mm]	3.9	5.3	6.4
Mechanical Properties	Tensile Rm [Mpa]	≥800		
	Yield Rp0.2 [Mpa]	≥640		
	Shear τ [KN]	3.2	6.4	9.5
	Surface Hardness [HV]	450~650		
	Core Hardness [HV]	320~450		
	Torque [N·m]	≥11.0	≥28.0	≥40.0
	Bending [°]	≥45°		

Geometric Properties						
Nominal Ø [mm]	Drive	dk	D	Lc	LT	L
6.0	TX30	Ø14.50 ~ Ø16.10	Ø5.80 ~ Ø6.20	Ø11.0~Ø13.0	25~75	40~300
8.0	TX40	Ø20.50 ~ Ø23.50	Ø7.60 ~ Ø8.25	Ø11.0~Ø13.0	35~100	60~600
10.0	TX40	Ø23.50 ~ Ø26.50	Ø9.60 ~ Ø10.25	Ø11.0~Ø13.0	50~100	80~600
Material	Carbon Steel					
Coating	Zinc Passivation & Wax					
Point	Type 17					

Size	Length	Head	Drive	Material	Finish	Thread Feature	Slot & Tip
M6	80-280mm	Wafer	Torx T30	Carbon Steel	Blue Zinc Passivation & Wax	Coarse Thread	Single Type 17 Slot / Auger Point
M8	80-400mm	Wafer	Torx T40	Carbon Steel	Blue Zinc Passivation & Wax	Coarse Thread	Single Type 17 Slot / Auger Point
M10	80-400mm	Wafer	Torx T40	Carbon Steel	Blue Zinc Passivation & Wax	Coarse Thread	Single Type 17 Slot / Auger Point

TRIM HEAD DECK SCREW



Diameter Gauge	Length	Head	Drive	Material	Finish	Thread Feature
4.8mm 10G	60mm	Trim	Torx T20	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
4.8mm 10G	65mm	Trim	Torx T20	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
4.8mm 10G	75mm	Trim	Torx T20	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	65mm	Trim	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	75mm	Trim	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	90mm	Trim	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	100mm	Trim	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	120mm	Trim	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread





Torx Drive

Torx drive delivers plenty of torque without stripping out the head



Cylindrical Head

Upper Threads Lock

The Deck And Timber Block

Expand the hole and prevent pull out

Serrated Cutting Teeth

For better penetration

Twin Cutting Threads

For quicker & easier entry and prevent splitting



Diameter Gauge	Length	Head	Drive	Material	Finish	Thread Feature
4.8mm 10G	60mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
4.8mm 10G	65mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
4.8mm 10G	75mm	Cylindrical	Torx T20	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	65mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	75mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	90mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	100mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread
5.5mm 12G	120mm	Cylindrical	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Thread

STANDARD STAINLESS STEEL FASTENERS

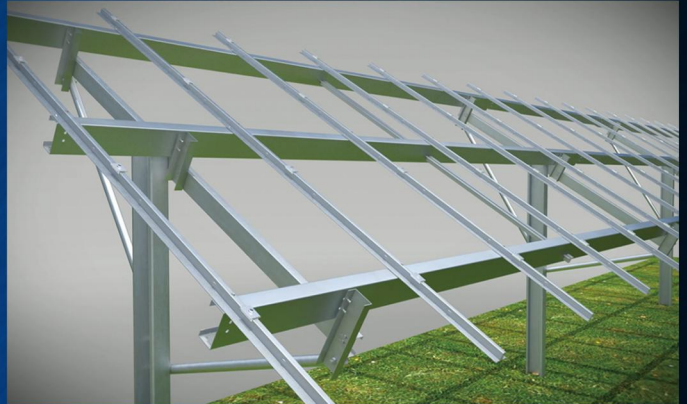


IFI	DIN	AS
HEX BOLTS / HEX CAP SCREWS	BOLTS	SELF DRILLING SCREWS
ASME B18.2.1	931,601,960,6914,933, 558,961, 912,7991 , 6921, 603	AS 3566.1-2002 (R2015)
ROUND HEAD SQUARE NECK (CARRIAGE) BOLTS	MACHINE SCREWS	HEXAGON BOLTS / SCREWS GRADE A & B
ASME B18.5	DIN7985,965,966,84,85,963,964	AS 1110.2-2000
HEX FLANGE SCREWS & HEX FLANGE NUTS	THREAD RODS	HEXAGON BOLTS / SCREWS GRADE A & B
IFI-111 & IFI-145	DIN975,976	AS 1110.1-2000
HEX NUTS / HEX JAM NUTS	NUTS	HEXAGON HEX NUTS GRADE A & B
ASME/ANSI B18.2.2	DIN934,555,985, 982,980, 439,936, 6923,1587, 929, 6926	AS 1112.1-2000
THREAD FORMING / THREAD CUTTING TAPPING SCREWS	WOOD SCREWS	HEXAGON BOLTS / SCREWS GRADE C
ASME B18.6.4	DIN571,7995,7996,7997	AS 1111.1-2000
THREAD ROLLING & SELF DRILLING TAPPING SCREWS	TAPPING SCREWS	HEXAGON BOLTS / SCREWS GRADE C
SAE J81 & SAE J78	DIN7971,7972,7973,7976,6928,7981,7982,7983,968	AS 1111.2-2000
RECESSED HEAD MACHINE SCREWS	SELF-DRILLING SCREWS	HEXAGON HEAD COACH SCREW
ASME B18.6.3	DIN7504	AS NZS 1393-1996
FLAT WASHERS	WASHERS	
ASME B18.22.1	DIN125,126,433,436,440,7349,7989,9021,127	
	PINS	
	DIN94	

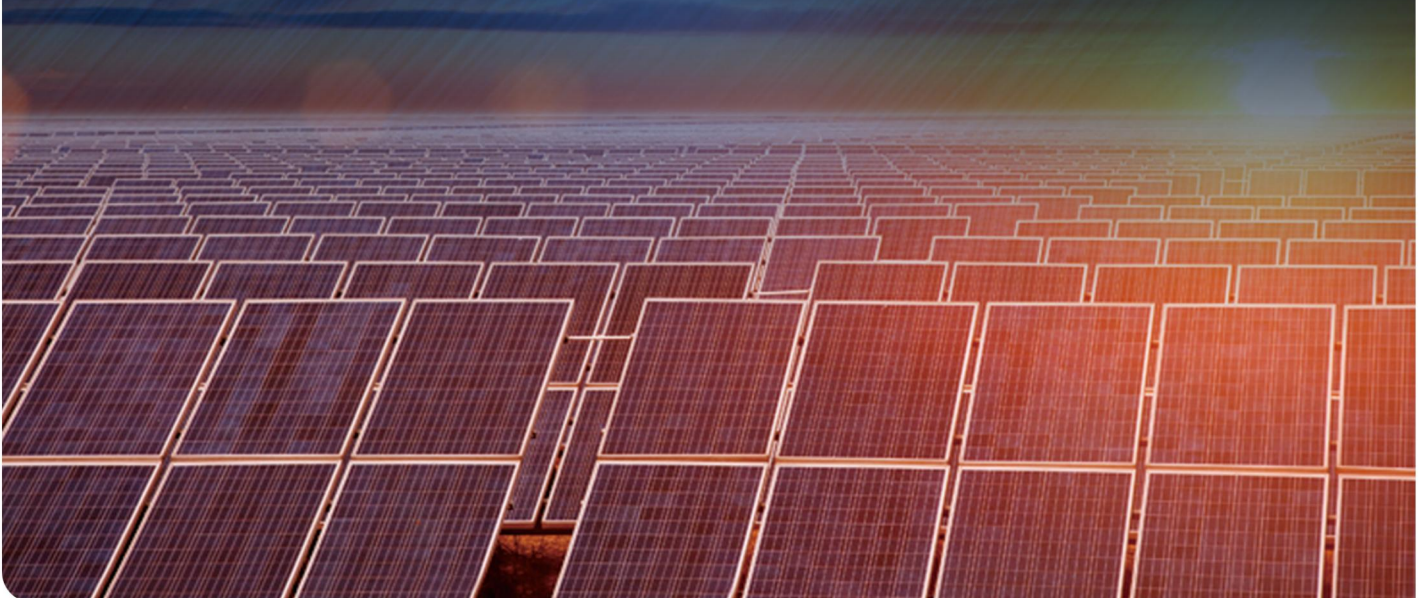
www.ecindustry.com



OUTDOOR FASTENERS FOR SOLAR PANEL RACKS



Size	Standard	Products	Material	Finish
M(5-36)X(10-150)	ISO 4017	Hex Bolt	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M(3-36)	ISO7093-1	Washer	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M(5-36)X(10-150)	ISO 4014	Hex Bolt	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M5-48	ISO4032	Hex Nut	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M5-48	ISO7089	Washer	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M(5-36)X(10-150)	EN1665	Hex Flange Bolt	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M5-48	EN1664	Hex Locked Nut	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M5-20	EN 1661	Hex Flange Nut	Carbon Steel	ISO 10683-2018--Delta/Magni-565
M(10,12)*(180-300)	Hex Washer Head Hanger Screw	Screw	Stainless Steel 304	Passivated / Wax / Baked Bronze
M8x42.5	Per Drawing	Screw	Stainless Steel 304	Passivated / Wax / Baked Bronze
M8x38	Per Drawing	Screw	Stainless Steel 304	Passivated / Wax / Baked Bronze



MULTI PURPOSE SCREW SQUARE DRIVE



Square Drive

Square drive delivers plenty of torque
Without stripping out the head



Countersunk Head

Ribs

For better countersinking



Needle Point

For quicker & easier entry

Diameter Gauge	Length	Head	Drive	Material	Finish
4.2mm 8G	20mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	25mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	28mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	32mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	40mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	45mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	50mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.2mm 8G	65mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.8mm 10G	40mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.8mm 10G	50mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.8mm 10G	65mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.8mm 10G	75mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.8mm 10G	90mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
4.8mm 10G	100mm	Countersunk	Square #2	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	50mm	Countersunk	Square #3	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	65mm	Countersunk	Square #3	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	75mm	Countersunk	Square #3	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze



MULTI PURPOSE SCREW SQUARE PHILIP COMBO DRIVE



- Ribs**
Seat screw into material smoothly and firmly
- Sharp Threads**
Destroy wood chips efficiently, reducing driving resistance.
- Thread Cutting**
Ensures wood chips removed quickly to prevent wood from cracking
- Sharp Point**
Easier start-up and less wobbling

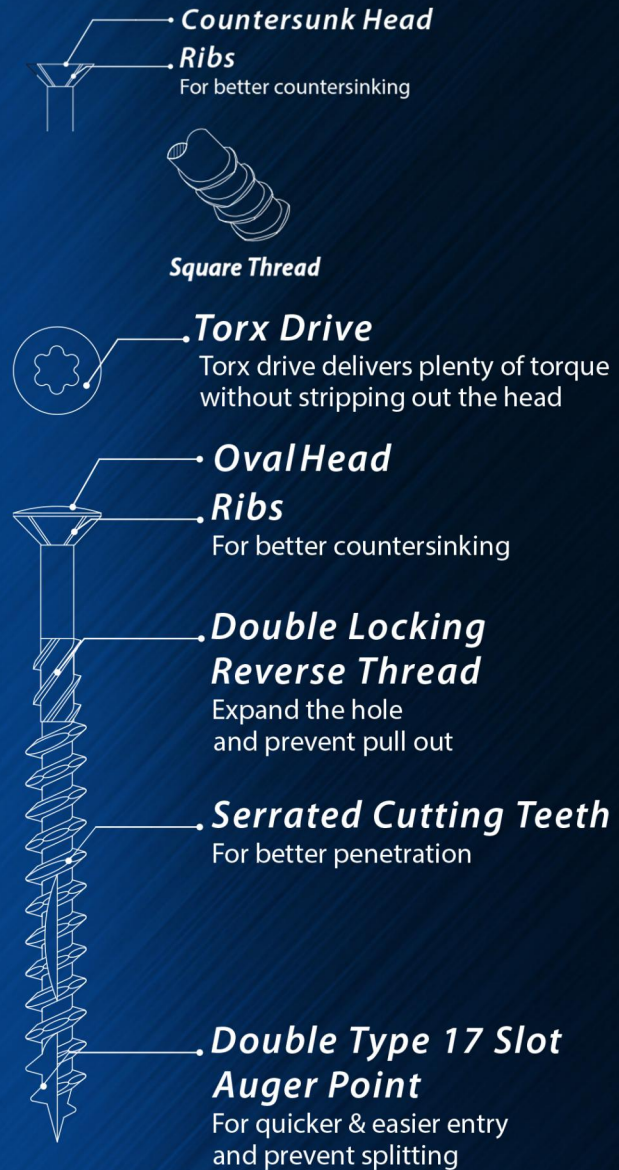


A Unique Blend of Phillips Drive & Square Recess Drive

- > multi-drive system for field serviceability
- > providing a great deal of stability, less "cam-out"
- > balanced performance between torque transmission and off-angle capability
- > might be your best bet for woodworking

Diameter Gauge	Length(in)	Head	Drive	Material	Finish	Thread Feature
3.5mm 6G	1/2" - 2"	Countersunk / Oval / Pan	Square/Quadrex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Wood Thread / Machine Thread
4.2mm 8G	1/2" - 3"	Countersunk / Oval / Pan	Square/Quadrex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Wood Thread / Machine Thread
4.8mm 10G	3/4" - 4"	Countersunk / Oval / Pan	Square/Quadrex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Wood Thread / Machine Thread
5.5mm 12G	3/4" - 5"	Countersunk / Oval / Pan	Square/Quadrex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Wood Thread / Machine Thread
6.3mm 14G	1" - 5"	Countersunk / Oval / Pan	Square/Quadrex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Wood Thread / Machine Thread

ENHANCED COUNTERSUNK/OVAL DECK SCREW



Diameter Gauge	Length	Head	Drive	Material	Finish	Thread Feature
4.2mm 8G	50mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
4.2mm 8G	65mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
4.8mm 10G	60mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
4.8mm 10G	65mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
4.8mm 10G	75mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
5.5mm 12G	75mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
5.5mm 12G	90mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
5.5mm 12G	100mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread
5.5mm 12G	120mm	Countersunk / Oval	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Speedy Square Thread



TIMBER SCREW HEX WASHER HEAD



Hex Washer Head

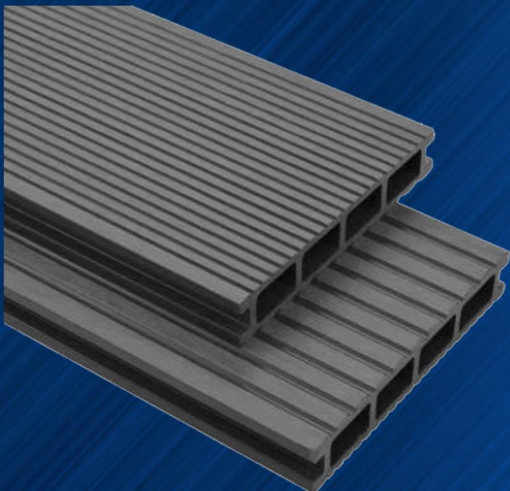
Single Type 17 Slot Auger Point

For quicker & easier entry and prevent splitting

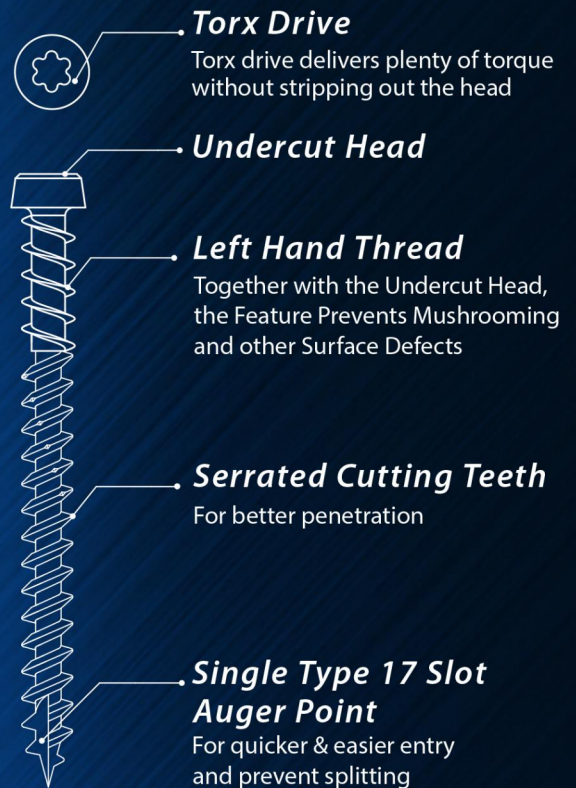


Diameter Gauge	Length	Head	Drive	Material	Finish
5.5mm 12G	25mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	35mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	50mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	65mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
5.5mm 12G	75mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	25mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	35mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	50mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	65mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	75mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	90mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	100mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze
6.3mm 14G	125mm	Hex Washer	Hex	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze

COMPOSITE DECK SCREW



Painted Head to Match
the Composite Deck Color



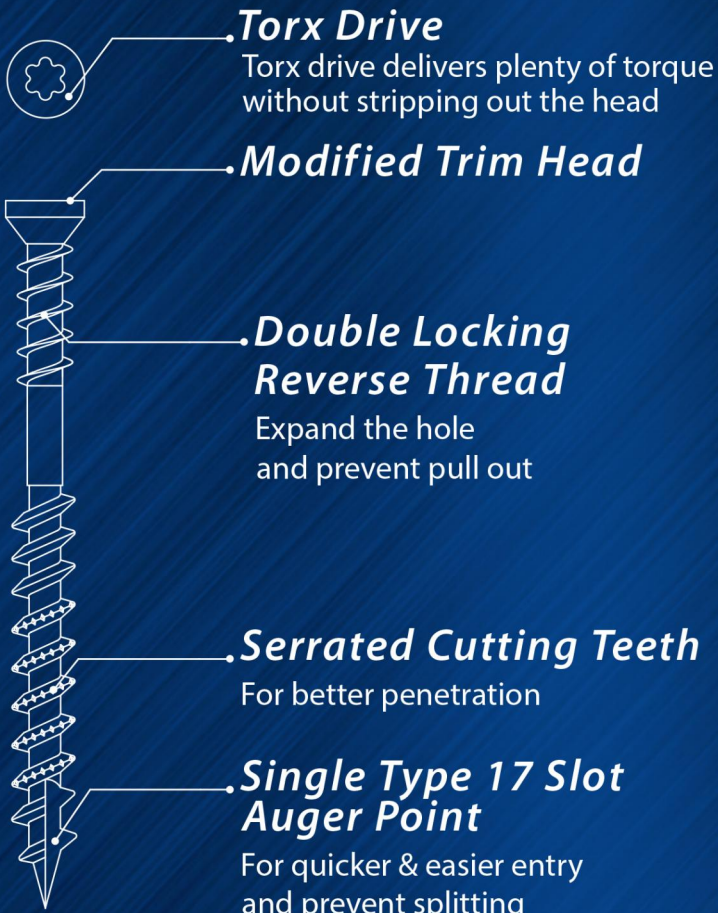
Trilobe Thread



Size	Length	Head	Drive	Material	Finish	Thread Feature
4.8mm 10G	65mm	Cylinder	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Left Hand Thread & Trilobe Thread
4.8mm 10G	75mm	Cylinder	Torx T25	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Left Hand Thread & Trilobe Thread



WEATHERBOARD SCREW

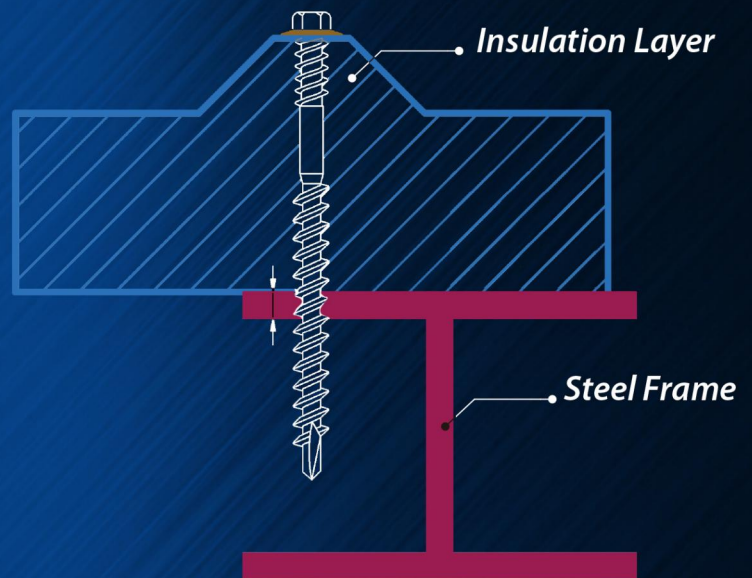
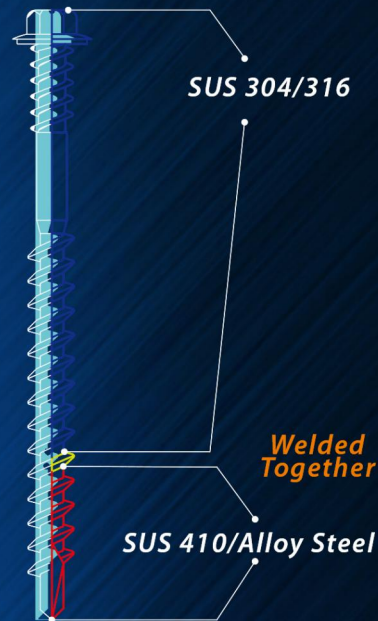


Diameter Gauge	Length	Head	Drive	Material	Finish	Thread Feature
4.2mm 8G	65mm	Modified Trim	Torx T15	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Reverse Thread
4.2mm 8G	75mm	Modified Trim	Torx T15	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Reverse Thread
4.2mm 8G	90mm	Modified Trim	Torx T15	Carbon Steel / Stainless Steel	RXB Coating Passivated / Baked Bronze	Double Locking Reverse Thread

BI-METAL SCREWS



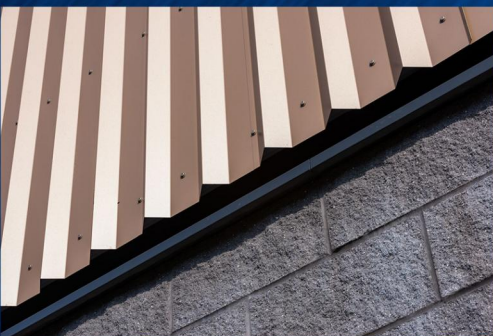
In House Eddy Current Machine is Used to Detect Loose Welding and Cracks on Every Bi-Metal Screws



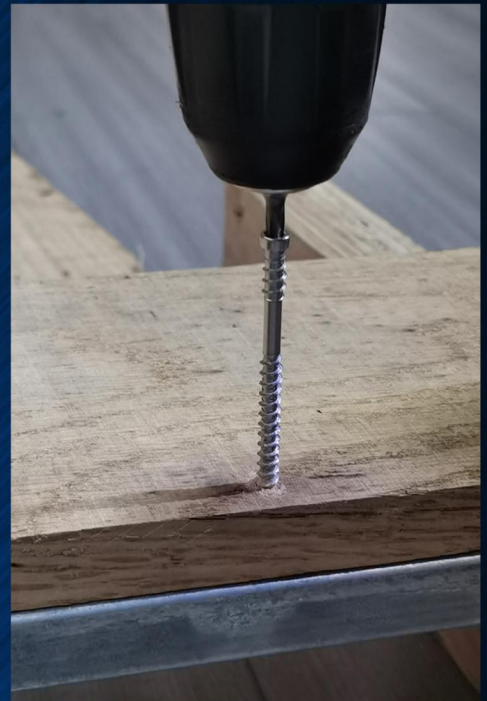
Material	Tensile Strength N/mm ²	Hardness/HV	Application Material	Material Thickness	Finish	Red Rust in Neutral Salt Spray Test	Corrosion Details	Application Circumstances	Construction Lifetime
Bi-Metal 316+410 RXB Coated	500-700	Surface: HV210-320 Core: HV190-280	Wood+Thick Construction Plastic Wood + Stainless Steel Chipboard + Carbon Steel/ Stainless Steel	Carbon Steel Plate < 6mm or Stainless Steel Plate < 4mm	RXB Coating	2000 Hrs	Difficult to Corrode, With Protective Film Once Oxidized	Neutral Indoor ✓ Exposed Outdoor ✓ Corrosive Outdoor ✓ Coastal Indoor ✓ Coastal Outdoor ✓	Class 1, Endurance > 100 Years, Critical / High-Rise Construction



410 STAINLESS STEEL SCREW WITH EC'S RXB COATING



Color Steel Roof and Wall



Connecting Wood and Steel

Material	Tensile Strength N/mm ²	Hardness/HV	Application Material	Material Thickness	Finish	Red Rust In Neutral Salt Spray Test	Corrosion Details	Application Circumstances
Stainless Steel 410 RXB Coated	1400-1600	Surface: > HV560	Plastic + Carbon Steel / Stainless Steel Wood + Thick Construction Plastic Wood + Carbon Steel / Stainless Steel Chipboard + Carbon Steel / Stainless Steel Plastic + Aluminum / Stainless Steel	Carbon Steel Plate < 16mm or Stainless Steel Plate < 6mm	RXB Coating	2000 Hrs	Corrode Slowly, With Protective Film Once Oxidized	Neutral Indoor ✓ Exposed Outdoor ✓ Corrosive Outdoor ✓ Coastal Indoor ✓ Coastal Outdoor ✓

SONIC DECK SCREW



Twin -Threads Design Delivers Unprecedented Penetration Efficiency

*Upper Threads Lock
The Deck and Timber Block*

Prevents Splitting

X2
Speedy
ZERO
PREDRILLING



*Twin Cutting Threads
Less Entry Force*

*Suitable for
Multiple Timber
Materials*



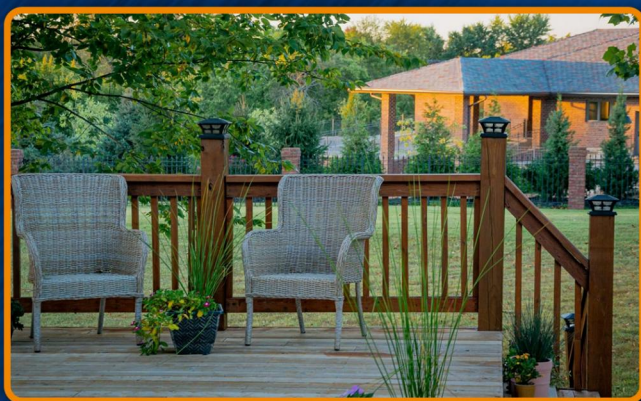
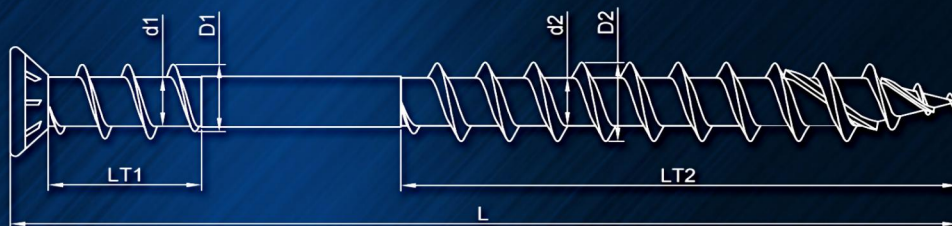
Hard Wood
800kg/m³ MAX



Pine Wood
400kg/m³ MAX

www.ecindustry.com





Geometric Properties

Nominal Ø [mm]	Drive	dk	D1	d1	D2	d2	LT1	LT2	L
6.5	TX20	Ø 8.00	Ø 5.00	Ø 3.60	Ø 5.00	Ø 3.40	10.0	32.0	50.0
								40.0	60.0
								50.0	75.0

Size	Length	Head	Drive	Material	Finish	Thread Feature	Slot & Tip
4.8mm 10G	60mm	Countersunk	Torx T20	SS 304 / 316	Passivated & Wax / Baked Bronze / Black Dacromet	Double Locking Thread	Turbo Cut Tip
4.8mm 10G	65mm	Countersunk	Torx T20	SS 304 / 316	Passivated & Wax / Baked Bronze / Black Dacromet	Double Locking Thread	Turbo Cut Tip
4.8mm 10G	75mm	Countersunk	Torx T20	SS 304 / 316	Passivated & Wax / Baked Bronze / Black Dacromet	Double Locking Thread	Turbo Cut Tip
5.5mm 12G	65mm	Countersunk	Torx T25	SS 304 / 316	Passivated & Wax / Baked Bronze / Black Dacromet	Double Locking Thread	Turbo Cut Tip
5.5mm 12G	75mm	Countersunk	Torx T25	SS 304 / 316	Passivated & Wax / Baked Bronze / Black Dacromet	Double Locking Thread	Turbo Cut Tip
5.5mm 12G	90mm	Countersunk	Torx T25	SS 304 / 316	Passivated & Wax / Baked Bronze / Black Dacromet	Double Locking Thread	Turbo Cut Tip

SUSTAINABILITY



GB/T23331

Energy Management System Certificate

This is to certify that the Management System established by EC Precision Technology (Jiangsu) Corporation
 Registered Address: No. 1018, Taping North Road, Chongchuan District, Nantong City, Jiangsu Province, P. R. China
 Unified Social Credit Code: 913206005617891958
 has been assessed to comply with the requirements of the standard GB/T23331-2020/ISO50001:2018: RB/T19-2015

Scope of certification

Energy management involved in the production of precision metal components.

The Certificate information can be inspected on the official website of CNCA (www.cnca.gov.cn).
 Then the certificate applicants must hold with the same certificate registration number for the comprehensive energy consumption per 10000 yuan output value, energy consumption per unit output and energy consumption accounting breakdown within the audit cycle of the certified organization. The main certificate and the certificate annexes shall be used at the same time.
 Original Certificate Date: Jan/27/2024
 Issue Date: Jan/27/2024
 Certificate No.: 15/2400874800
 Valid Until: Jan/26/2027

First Surveillance, Second Surveillance, Third Surveillance

General Manager Wang Xiaohong

During the validity period of the certificate, a surveillance audit shall be conducted at least once a year, and the interval between the two audits shall not exceed 12 months.
 The certificate registration must conduct surveillance audits regularly and the registration certificate continues effective after the eighth surveillance audit. The compliance that will be evaluated in the registration certificate after the eighth surveillance audit.
 When the scope of certification involves administrative licensing or national compulsory certification requirements, this certificate will become invalid with the invalidation of the administrative licensing or national compulsory certification certificate.
 Hangzhou WT Assessment Co., Ltd.
 H.F. Building A, International Forum, No. 270 Jiaohang Avenue, Binjiang District, Hangzhou

10.5% Yearly Factory Carbon Reduction Since 2022



ECO FRIENDLY PRODUCTION



China Green Factory



Eco-Friendly Cardboard Boxes



Eco-Friendly Recyclable Plastic



탄소국경조정제도 کاربن بارڈر ایڈجسٹمنٹ میکانزم

SINIRDA KARBON DÜZENLEME MEKANİZMASI MECANISMO DE AJUSTE EN FRONTERA POR CARBONO

МЕХАНІЗМ ВУГЛЕЦЕВОГО КОРИГУВАННЯ ІМПОРТУ MECANISMO DE AJUSTAMENTO CARBÓNICO FRONTEIRIÇO

कार्बन सीमा समायोजन तंत्र **CBAM** MECANISMO DE AJUSTAMENTO CARBÓNICO FRONTEIRIÇO

MÉCANISME D'AJUSTEMENT CARBONE AUX FRONTIÈRES MEKANISME الآلية الحدودية لضبط الكربون

炭素国境調整措置 PENYESUAIAN BATAS KARBON

ISIXHOBO SOKUHLENGHLENGISA UMDA WE-KHABON

碳边境调节机制

Dedicated CBAM Team

www.ecindustry.com





HAPPY WORK HAPPY TEAM





China Headquarter

Address: NO.1018 Tai Ping Bei Lu, Nantong, Jiangsu, China 226014

European Branch

Address: Sadowa 34, 16-070 Porosły, Poland

USA Branch

Address: Houston, Texas Office

Japan Branch

Address: 2040-28 Dotocho Sakai Shi Naka Ku Osaka Japan

Hong Kong Branch

Address: Room D, 10/F, Tower A Billion Centre, 1 Wang Kwong Road Kowloon Bay,
Kowloon Hong Kong

Brazil Representative

Address: Rua Mariante, 284 Conj, Alegre/RS Brasil



www.ecindustry.com
Email: info@ecindustry.com