



SUN THROUGH



GENERAL

PRODUCT CATALOG

Innovation is at our heart, quality is in our blood



www.sunthrough-industrial.com

ABOUT SUN THROUGH

The Best fastener contract manufacturer

Sun Through provides punctual delivery and high quality fasteners. We provide solutions to customers suffering from failures of fasteners. We own advanced heat treatment facilities and laboratory, therefore we can control the quality and help customer test in variant conditions.

The leading fastener product developer in Taiwan.

Sun Through is strong in developing innovative products to push out engineering limits in fastener industry. We provide distinguished products and help customer stand out from market.



THE REASONS TO WORK WITH US



Strong knowledge in ferrous material science.



Deep understandings and experience in heat treatment.



Ability to design drilling tip according to user's preference.

HIGH DUCTILITY SELF DRILLING SCREWS

Extremely Low Risk Of Hydrogen Embrittlement

- Case Hardness > 560 HV (53HRC)
- Core Hardness < 370 HV (38HRC)
- Bending Angle > 15°

WE DO BETTER THAN WHAT IFI CONSIDERED DIFFICULT:

"When case hardening screws in gas carbonitriding furnace, it is difficult to develop a case hardness of RC 52 min(550HV) on screws tempered to a core hardness of RC 40(400HV) Max."

Inch Fastener Standard 7th Edition, Page H-81, Ch.4.2.4

GENERAL

SELF-DRILLING SCREWS

Standard Self-Drilling Screws



Sun Through has strong technical background and can fully interpret the requirements of international standards and has related equipment or business partners to execute it.

APPLAICATION/ FEATURE

- Fixing steel to steel
- 100% compliance to standard

HEAD



Hex Wahser



Flat



Pan



Wafer

DRIVE



External Hex



Phillipse



Torx



Pozi



Robertson

STANDARD REFERENCE

DIN-7504 Series

ISO-15480~15482

SAE J78

AS-3566

Gauge	Point	Length	Material	Surface Finish
#8/ST4,2	point #1	12mm~200mm	Hardened Steel	Cr6+ Zinc Plating
#10/ST4,8	point #2	1/2" to 8"	Stainless Steel 410	Cr3+ Zinc Plating
#12/ST5,5	point #3		Stainless Steel A2/A4	Passivated
#14/ST6,3	point #4		Bi-metal	Rupsert Coating Other Functional Coating

Modified Truss Head Self-Drilling Screws



Modified truss head is a widely-used head type because this low profile and wide-brimmed head is a reasonable design for fixing thin sheet or lath wire to metal stud.

There is no standard for this type of screw, but Sun Through will start from engineering's perspective to suggest the proper spec for your application.

APPLAICATION/ FEATURE

- Light duty application
- Fixing thin sheet/Lath wire to metal stud
- Standard thread

HEAD



Modified Truss

DRIVE



Phillipse



Pozi

Gauge	Point	Length	Material	Surface Finish
#8/ST4,2	point #1	12mm~50mm	Hardened Steel	Cr6+ Zinc Plating
#10/ST4,8	point #2	1/2"~4"	Stainless Steel 410	Cr3+ Zinc Plating
	point #3		Stainless Steel A2/A4	Passivated
			Bi-metal	Rupsert Coating Other Functional Coating

GENERAL

SELF-DRILLING SCREWS

Sandwich Panel Screws

APPLAICATION/ FEATURE

- Fixing Sandwich Panel to Metal Joist
- Great Center Alignment
- Low Vibration When Drilling

HEAD



Hex Wahser



Pan



Truss

DRIVE



External Hex



Phillipse



Torx



Pozi



Robertson

Gauge	Point	Length	Material	Surface Finish
Dia. 6.3/5.5	point #1	100mm~350mm	Hardened Steel	Cr6+ Zinc Plating
Dia. 7.0/6.3	point #2		Stainless Steel 410	Cr3+ Zinc Plating
Other Dia.	point #3		Stainless Steel A2/A4	Passivated
	point #4		Bi-metal	Ruspert Coating Other Functional Coating

Pre Painted Roof Screws

APPLAICATION/ FEATURE

- Fixing Corrugated Roof Sheet to Steel Joist
- With Sealing Rubber
- Variant Colors

HEAD



Hex Wahser



Pan



Wafer

DRIVE



External Hex



Phillipse



Torx



Pozi



Robertson

Gauge	Point	Length	Material	Surface Finish
#8/ST4,2	point #1	12mm~200mm	Hardened Steel	Cr6+ Zinc Plating
#10/ST4,8	point #2	1/2" to 8"	Stainless Steel 410	Cr3+ Zinc Plating
#12/ST5,5	point #3		Stainless Steel A2/A4	Passivated
#14/ST6,3			Bi-metal	Ruspert Coating Other Functional Coating

Reamer Self-drilling Screws

APPLAICATION/ FEATURE

- Wood to Steel
- Proper Designed Wing Size
- Optional Ribs Underhead

HEAD



Flat



Wafer

DRIVE



Phillipse



Torx



Pozi

Gauge	Point	Length	Material	Surface Finish
#8/ Dia. 4.2	point #1	12mm~200mm	Hardened Steel	Cr6+ Zinc Plating
#10/ Dia. 4.8	point #2	1/2" to 8"	Stainless Steel 410	Cr3+ Zinc Plating
#12/ Dia. 5.5	point #3		Stainless Steel A2	Passivated
#14/ Dia. 6.3	Point #4		Bi-metal	Ruspert Coating Other Functional Coating

M8.0 HEAVY GAUGE SELF DRILLING SCREWS

Bigger Is Safer

- To fix heavy object to **20** mm-thick I-beams.
- Tensile Strength of M8.0 screw is **50** % higher than a **#14** screw.



SPIRAL POINT

SELF-DRILLING SCREWS

Spiral Point Self Drilling Screws



APPLAICATION/ FEATURE

- Fixing to Heavy Gauge Steel
- Patent Product

HEAD



Hex Wahser



Flat



Pan



Wafer

DRIVE



External Hex



Phillipse



Torx



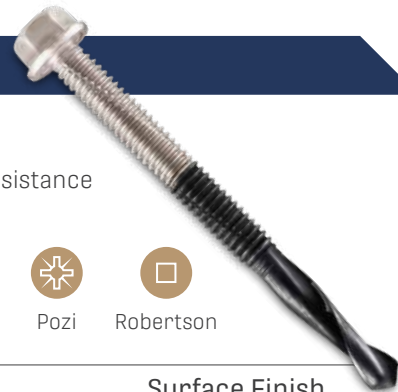
Pozi



Robertson

Gauge	Point	Length	Material	Surface Finish
#12/Dia.5.5	Q5: 12mm	38mm~300mm	Hardened Steel	Cr6+ Zinc Plating
#14/Dia. 6.3	Q6: 15mm	1-1/2"~12"	Stainless Steel 410	Cr3+ Zinc Plating
M8.0	Q7: 18mm			Passivated
Other Customized	Q8: 21mm			Ruspert Coating
	Q9: 25mm			Other Functional Coating
	Q10: 30mm			

Bi-Metal Spiral Point Self-Drilling Screws



APPLAICATION/ FEATURE

- Fixing to Heavy Gauge Steel
- Patent Product
- High Corrosion Resistance

HEAD



Hex Wahser



Pan



Flat



Wafer

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External Hex



Phillipse



Torx



Pozi



Robertson

Gauge	Point	Length	Material	Surface Finish
#12/Dia. 5.5	Q5: 12mm	38mm~300mm	Hardened Steel	Cr6+ Zinc Plating
#14/Dia. 6.3	Q6: 15mm	1-1/2" ~ 12"	Stainless Steel Grade A2/A4	Cr3+ Zinc Plating
Other Customized	Q7: 18mm			Passivated
	Q8: 21mm			Ruspert Coating
	Q9: 25mm			Other Functional Coating



BI-METAL

FASTENERS

Bi-metal Self Drilling Screws



APPLAICATION/ FEATURE

- Fixing steel to steel
- High Corrosion Resistance

HEAD



Hex Wahser



Flat



Pan



Wafer

DRIVE



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Phillipse



Torx



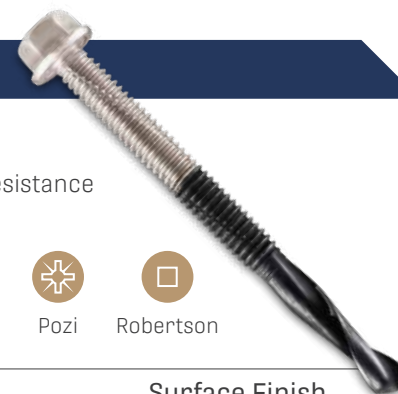
Pozi



Robertson

Gauge	Point	Length	Material	Surface Finish
#8/ST4,2	Point#1	25mm~300mm	Hardened Steel	Cr6+ Zinc Plating
#10/ST4,8	Point#2	1"~12"	Stainless Steel Grade A2/A4	Cr3+ Zinc Plating
#12/ST5,5	Point#3			Passivated
#14/ST6,3				Ruspert Coating
Other Customized				Other Functional Coating

Bi-Metal Spiral Point Self-Drilling Screws



APPLAICATION/ FEATURE

- Fixing to Heavy Gauge Steel
- Patent Product
- High Corrosion Resistance

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Pozi



Robertson

Gauge	Point	Length	Material	Surface Finish
#12/Dia. 5.5	Q5: 12mm	38mm~300mm	Hardened Steel	Cr6+ Zinc Plating
#14/Dia. 6.3	Q6: 15mm	1-1/2" ~ 12"	Stainless Steel Grade A2/A4	Cr3+ Zinc Plating
Other Customized	Q7: 18mm			Passivated
	Q8: 21mm			Ruspert Coating
	Q9: 25mm			Other Functional Coating

Bi-Metal Bolts

APPLAICATION/ FEATURE

- Concrete Bolt
- High Corrosion Resistance

HEAD



Hex Wahser



Hex Flange



Hex

Gauge	Point	Length	Material	Surface Finish
Dia. 8.0	Hardened Flat	50mm~150mm	Hardened Steel	Cr6+ Zinc Plating
Dia. 9.0			Stainless Steel Grade A2/A4	Cr3+ Zinc Plating
Dia. 10.0				Passivated
				Ruspert Coating
				Other Functional Coating

ULTRA HIGH STRENGTH BOLTS



Olympics Level Strength

PROPERTY
CLASS

14.9

- Tensile Strength > 1400MPA (203KSI)
- Elongation > 7%
- Special material and advanced heat treatment.
- Comparable to the highest grade barbell used in Olympics.

HIGH STRENGTH BOLTS



Class 14.9 Bolts

APPLAICATION/ FEATURE

- High Tensile Strength

HEAD



Hex Socket Cap



HEX

STANDARD REFERENCE

Stregnth: ISO 898

Dimension: ISO 4762

Gauge	Surface Finish
M6/M8: 15~100mm	Black Phosphate Zinc Plating
M10/M12: 20~150mm	
M14/M16: 25~150mm	

Automobile Wheel Hub Bolts

APPLAICATION/ FEATURE

- Truck Wheel Bolt Studs
- Vibration Resistance Microstructure

Gauge	Material	Surface Finish
M22/M24	Steel Alloy	Zinc Flake Coating



CONSTRUCTION SCREWS

Chipboard Screws

APPLAICATION/ FEATURE

- Fixing Chipboard to Wood Joist

HEAD



HEX



Flat



Wafer

Gauge	Point	Length	Surface Finish
Dia. 6.0	T-17 Cutting Point	40mm~500mm	Cr6+Zinc Plating
Dia. 8.0			Cr3+Zinc Plating
Dia. 10.0			
Dia. 12.0			



Drywall Screws

APPLAICATION/ FEATURE

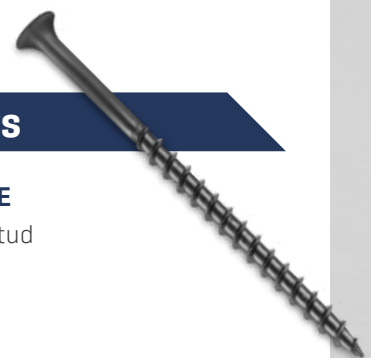
- Fixing drywall to metal stud

HEAD



Bugle

Gauge	Point	Length	Surface Finish
#6/Dia. 3.9	Sharp Point	12mm~100mm	Black Phosphate
#8/Dia. 4.2			Zinc Plating
#10/Dia. 4.8			





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