



ROYALGI INDUSTRY

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PRODUCT LIST



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Self Drilling Screw

ADVANTAGE: These self-drilling screws have sharp bore tails that do not require additional machining.

SAVE TIME: They can drill, tap and lock materials at the same time, which is safe to operate and saves construction time.

WIDELY APPLICATION: These self-drilling screws are mainly used for fixing steel steel tiles, or for simple construction of thin plates.

- Material : Carbon Steel , 18-8 Stainless Steel , 410 Stainless Steel
- Finished : Zinc Plated, Coated, Ultra-Corrosion-Resistant Coated etc.

• Type :



Diameter Size	Length(mm)		Point Size	Max drilling
	MIN	MAX		
M4.2	16	45	#1	1mm
M4.8	19	180		1mm
M5.5	22	300		1mm
M6.3	22	300		1mm
M4.2	16	45	#2	2mm
M4.8	19	180		3mm
M5.5	22	300		3mm
M6.3	22	300		3mm
M4.2	16	45	#3	3mm
M4.8	19	180		4mm
M5.5	25	300		6mm
M6.3	25	300		6mm
M5.5	38	300	#5	12mm
M6.3	38	300		12mm

Countersunk Head Wing Screw



- Material : Carbon Steel , 18-8 Stainless Steel , 410 Stainless Steel
- Finished : Zinc Plated, Coated, Ultra-Corrosion-Resistant Coated etc.
- Head : Flat , Flat -six rib

Diameter Size	Length(mm)		Point Size	Max drilling
	MIN	MAX		
M4.2	16	45	#3	3mm
M4.8	19	180		4mm
M5.5	25	300		6mm
M5.5	38	300	#5	12mm
M6.3	38	300		12mm

Countersunk Wing Drillers. Ideal for fixing wood to steel sections. The Wings drill a clearance hole through the wood, then break off as the cutting point bites into the steel.

Self Tapping Screw



- Material : Carbon Steel , 18-8 Stainless Steel , 410 Stainless Steel
- Finished : Zinc Plated, Coated, Ultra-Corrosion-Resistant Coated etc.
- Head : Hex, Flat, Pan, Capped

Diameter Size	Length(mm)		Point Size	Max drilling	MAX Speed
	MIN	MAX			
M3.5	13	45	Sharp	0.8mm~1.6mm	Max. 1800
M4.2	19	180		0.8mm~1.6mm	Max. 1800
M4.8	19	200		0.8mm~1.6mm	Max. 1800
M5.5	19	200		0.8mm~1.6mm	Max. 1800
M6.3	22	200		0.8mm~1.6mm	Max. 1800

Deep thread for firmly holding: the course thread wood screws with deep thread design provides good holding power in different woods and man-made materials, do not strip easily

Bi-Metal Self Drilling Screw consists of Carbon Steel Drill point and Stainless Steel body. The two materials are fused together through special patented technique to produce this Bi-metal screw.

Bi metal screws apply to metal buildings, marine products, screen structures, windows, skylights and wall panel.

Bi-Metal Screw



The head section is however manufactured from a corrosion resistant stainless steel (either 304 or 316). The two metals are “fused together” to form a screw that offers excellent self-drilling properties, combined with exceptional corrosion resistance.

Advantage of the bi metal self drilling screws:

- Drill through up to 1/2” (12mm) thick steel.
- Stainless sheeting or cladding
- Aluminium sheeting or cladding
- Fibreglass sheeting or cladding
- Used where a higher corrosion resistance is required
- Severe marine environments
- Fertiliser facilities
- Chemical and Petrochemical Industries

Bi-Metal Self Drilling Screw - Hex /Pan / Wafer / Truss -



Bi-Metal Self Drilling Screw consists of Carbon Steel Drill point and Stainless Steel body. The two materials are fused together through special patented technique to produce this Bi-metal screw.

Bi metal screws apply to metal buildings, marine products, screen structures, windows, skylights and wall panel.

Diameter Size	Length(mm)		Point Size	Max drilling
	MIN	MAX		
M4.2	16	45	#2	2mm
M4.5	19	180		3mm
M5.5	22	300		3mm
M6.3	22	300		3mm
M4.2	16	45	#3	3mm
M4.8	19	180		4mm
M5.5	25	300		6mm
M6.3	25	300		6mm
M5.5	38	300	#5	12mm
M6.3	38	300		12mm

Bi-Metal Self Drilling Screw - Flat Head



Diameter Size	Length(mm)		Point Size	Max drilling	MAX Speed
	MIN	MAX			
M4.2	16	45	#3	3mm	Max. 2500
M4.8	19	180		4mm	Max. 2500

TEK Coating

Ultra-Corrosion-Resistant Coated

The TEK coating achieve 1,000 hours resistance to corrosion in a Salt Spray Test (ASTM B117). However, the coating has been developed to cope with the most demanding environments known to man.

The Salt Spray Test was developed to simulate the weathering life of a product. Essentially by using a fog of salt the whole lifespan of a product is replicated in a short period of time. Using this method a constant accelerated corrosion can be achieved and could simulate a 25 year building life in 500 hours.

Our TEK Coating showed astounding anti-rust performance of 2,000 hours in salt spray testing measuring anti-rust and anticorrosion performance. The superiority of that performance has also been affirmed from numerous outdoor exposure tests and usage results, on and water area, etc.

Durability

Owing to high lubricity and hardness of polymer film, the film is hardly damaged after rush sheet metal.



[After 1000 hr Salt Spray Test]



TEK Coating could be used on all our Product



Bolt

Bolt, mechanical fastener that is usually used with a nut for connecting two or more parts. A bolted joint can be readily disassembled and reassembled

- Material : Carbon Steel , 18-8 Stainless Steel , 410 Stainless Steel
- Finished : Zinc Plated, Coated, Ultra-Corrosion-Resistant Coated etc.

Diameter Size		Length(mm)	
MIN	MAX	MIN	MAX
M3.5	M36	13	300



Machine Screw

- Material : Carbon Steel , 18-8 Stainless Steel , 410 Stainless Steel
- Finished : Zinc Plated, Coated, Ultra-Corrosion-Resistant Coated etc.

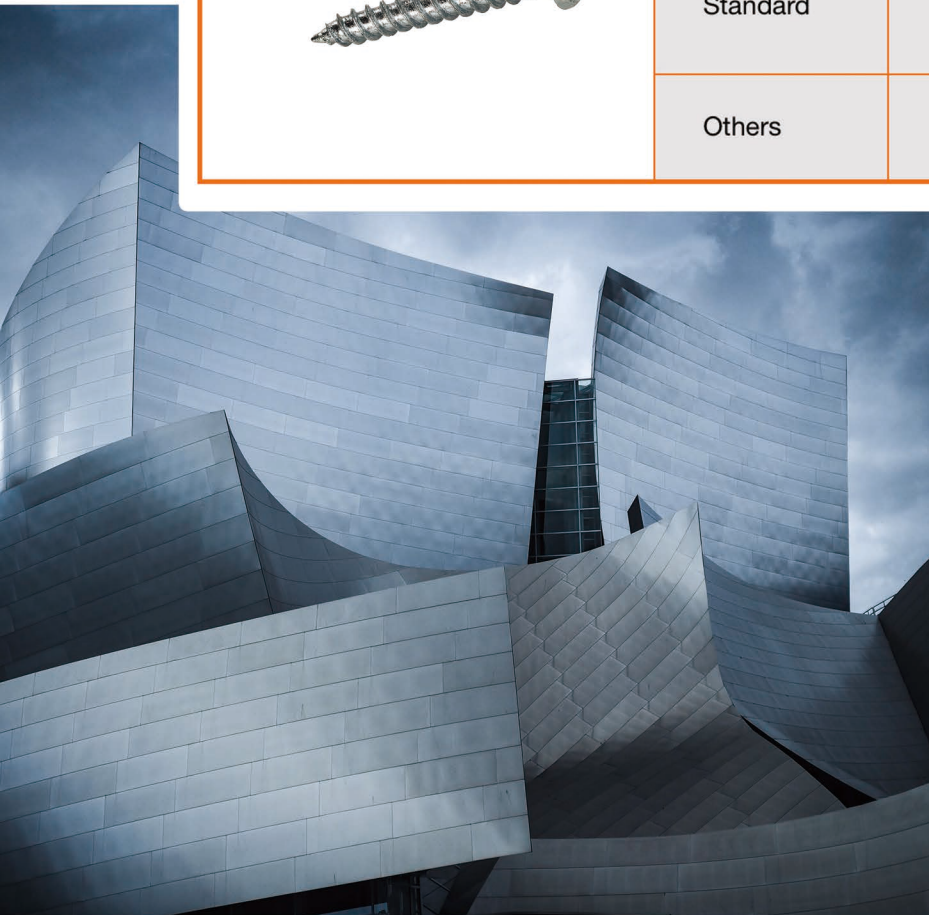
Diameter Size		Length(mm)	
MIN	MAX	MIN	MAX
M3.5	M6.3	13	75

Machine screws are used in the construction of machinery. With one blunt end, machine screws are commonly used to hold together components of machinery.

CUSTOM Manufactured Products

We custom manufacture items to your Specifications at a competitive price. Our custom manufacturing capabilities including **prints to your design, product testing, and packaging services.**

	Length	3/8" to 12" (9.5 to 300mm)
	Thread size	#4 to 5/16"(M2.9 to M8.0)
	Point	Drill point #2, #3, #4, #5
	Material	Carbon Steel , Stainless Steel
	Finish	Phosphate (grey or black), Zinc Plated (clear / white / yellow), Coating (Geomet, Dacrotized, Ruspert etc.), Mechanically Zinc plating etc.
	Standard	IFI, DIN7504, JIS, BS, AS, EN14566 or customized designs available.
Others	case harden, drill-Drive test required	





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