TGR SCREWS



PRODUCT CATALOGUE

2023

WWW.TSINGRI.COM



We only produce self-tapping screws and self-drilling screws, main products are metal roofing fasteners, insulation roofing fasteners and plates, decking screws, bi-metal screws. Over 10 years of domestic market trading experience, we know what product quality means.

In 2011, we transformed from trading to manufacturing, mainly to serve high-quality customers in the local market.

From 2019, we began to produce products exported to European and American markets through partners, mainly OEM orders.

In 2022, in order to better serve the international market, the TGR brand was established.

Headquarters based in Shanghai
Factory located in Zhejiang and Jiangsu





Our production area is around 5600 square meters, could finish the processes from head colding to heat treatment, with a capacity of around 500Tons per month.





Materials :

Carbon Steel 1022, 10B21

Stainless Steel 304/316/410

Bi-metal SS304/316+SCM435

Screw Size: 3.0mm-10.0mm

Length: Max 406mm

Metal Construction Screws





Valley Fixing Fasteners

Hex big washer self-drilling screws, for fastening steel sheet to metal, especially for fixing the valley of metal roof and wall curtains constructions.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

Ruspert AS3566 Class 3/Class 4

Zinc Plated

Washer

EPDM washer

SS304+EMDM bounded washer

Application

For fixing steel profile sheets onto steel substrates

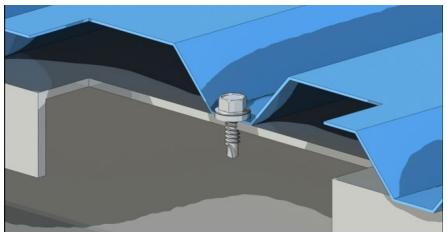
Drilling Capacity

#12 Max Thinckness 6.0mm

#14 Max Thinckness 7.0mm

Diameter	Effective Fixing Thickness	Screw Size
5.5mm/#12 gauge	< 10mm	12-14x25mm
	< 16mm	12-14x30mm
	< 24mm	12-14x38mm
	< 30mm	12-14x45mm
6.3mm/#14 gauge	22-36mm	14-14x50mm
	22-50mm	14-14x65mm
	34-60mm	14-14x75mm
	50-80mm	14-14x95mm

***For sizes or specifications not listed, please contact us for further information**





Valley Fixing Fasteners

Hex intended washer head self-drilling screws, using bounded EPDM washer, for fastening steel sheet to metal, especially for fixing the valley of metal roof and wall curtains constructions.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

Ruspert AS3566 Class 3/Class 4

Zinc Plated

Washer

EPDM washer

SS304+EMDM bounded washer

Application

For fixing steel profile sheets onto steel substrates

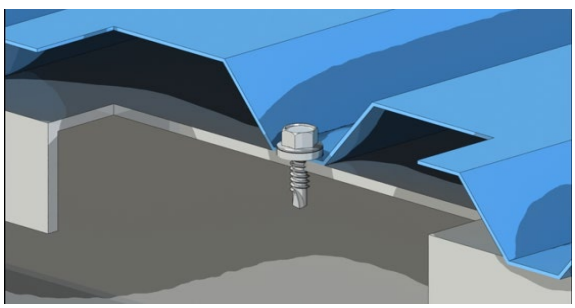
Drilling Capacity

#12 Max Thinckness 6.0mm

#14 Max Thinckness 7.0mm

Diameter	Effective Fixing Thickness	Screw Size
5.5mm/#12 gauge	< 10mm	12-14x25mm
	< 16mm	12-14x30mm
	< 24mm	12-14x38mm
	< 30mm	12-14x45mm
6.3mm/#14 gauge	22-36mm	14-14x50mm
	22-50mm	14-14x65mm
	34-60mm	14-14x75mm
	50-80mm	14-14x95mm

***For sizes or specifications not listed, please contact us for further information**





Heavy Duty Function-Phillips Pan Head

Phillips pan head self-drilling screws for steel, mainly used for steel structure fixing, fine thread could provide faster drilling speed and stronger fastening ability, #5 point could easily drill through max 12mm steel plate.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

Ruspert AS3566 Class 3/Class 4

Zinc Plated

Advantage

Faster drilling speed

No iron filings get stuck on the thread

Application

For fixing steel plate to thick steel structure

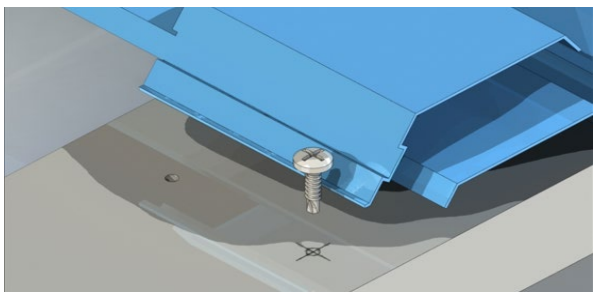
Drilling Capacity

#12 Max Thinckness 12.5mm

#14 Max Thinckness 12.5mm

Diameter	Effective Fixing Thickness	Screw Size
5.5mm/#12 gauge	< 16mm	12-24x32mm
	< 24mm	12-24x38mm
	< 35mm	12-24x50mm
6.3mm/#14 gauge	< 35mm	14-24x50mm
	< 45mm	14-24x60mm
	< 55mm	14-24x70mm
	< 65mm	14-24x80mm

***For sizes or specifications not listed, please contact us for further information**





Heavy Duty Function-Hex Washer Head

Hex washer head self-drilling screws for steel, mainly used for steel structure fixing, fine thread could provide faster drilling speed and stronger fastening ability, #5 point could easily drill through max 12mm steel plate.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

AS3566 Class 3/Class 4

Zinc Plated

Advantage

Faster drilling speed

No iron filings get stuck on the thread

Application

For fixing steel plate to thick steel structure

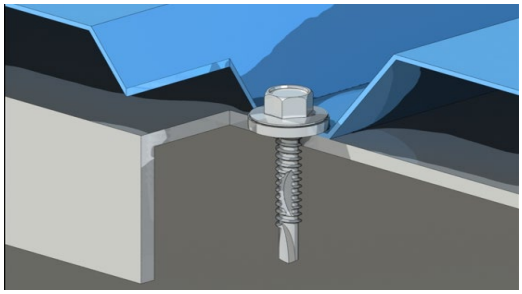
Drilling Capacity

#12 Max Thinckness 12.5mm

#14 Max Thinckness 12.5mm

Diameter	Effective Fixing Thickness	Screw Size
5.5mm/#12 gauge	< 16mm	12-24x38mm
	< 28mm	12-24x50mm
	< 46mm	12-24x68mm
6.3mm/#14 gauge	< 28mm	14-24x50mm
	< 46mm	14-24x68mm
	< 58mm	14-24x80mm
	< 73mm	14-24x95mm

***For sizes or specifications not listed, please contact us for further information**





Structure Fixing Fasteners-Fine Thread

Hex washer head self-drilling screws for steel, mainly used for steel structure fixing, fine thread could provide faster drilling speed and stronger fastening ability.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

AS3566 Class 3/Class 4

Zinc Plated

Advantage

Faster drilling speed

No iron filings get stuck on the thread

Application

For fixing steel plate to thick steel structure

Drilling Capacity

#12 Max Thinckness 7.0mm

#14 Max Thinckness 7.0mm

Diameter	Effective Fixing Thickness	Screw Size
5.5mm/#12 gauge	< 16mm	12-24x38mm
	< 28mm	12-24x50mm
	< 46mm	12-24x68mm
6.3mm/#14 gauge	< 28mm	14-24x50mm
	< 46mm	14-24x68mm
	< 58mm	14-24x80mm
	< 73mm	14-24x95mm

***For sizes or specifications not listed, please contact us for further information**



Structure Fixing Fasteners-Fine Thread

Phillips flat head countersunk self-drilling screws, widely used in a variety of applications, structure fixing, OSB fixing, fine thread could provide faster drilling speed and stronger fastening ability.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

AS3566 Class 3/Class 4

Zinc Plated

Advantage

Faster drilling speed

No iron filings get stuck on the thread

Application

For structure or OSB fixing

Drilling Capacity

#12 Max Thinckness 6.0mm

#14 Max Thinckness 6.0mm

Diameter	Effective Fixing Thickness	Screw Size
5.5mm/#12 gauge	< 10mm	12-24x25mm
	< 16mm	12-24x32mm
	< 24mm	12-24x38mm
	< 35mm	12-24x50mm
6.3mm/#14 gauge	< 35mm	14-24x50mm
	< 45mm	14-24x60mm
	< 55mm	14-24x70mm
	< 65mm	14-24x80mm

***For sizes or specifications not listed, please contact us for further information**



Wall/Structure Fixing Screws

Hex intended washer self-drilling screws, mainly used for fixing the wall to structure, bigger hex head design help generating greater torque.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Application

For fixing wall to structure or pull-out component

Surface Treatment

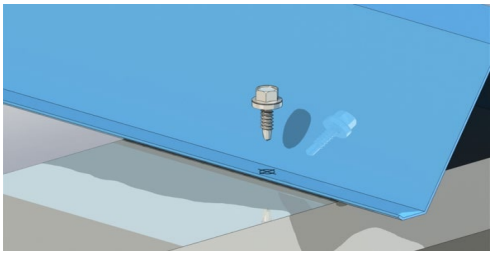
AS3566 Class 3/Class 4

Drilling Capacity

#10 Max Thinckness 4.0mm

Diameter	Effective Fixing Thickness	Screw Size
4.8mm/#10 gauge	< 2mm	10-16x16mm
	< 4mm	10-16x19mm
	< 12mm	10-16x38mm

***For sizes or specifications not listed, please contact us for further information**





Single Thread Thin Sheet Screw

TGR thin sheet screw is a type of screw that is specifically designed to be used in thin sheet metal applications. It features a tapered point and a sharp thread designed to bite into the sheet metal and provide a secure hold.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Application

Thin metal sheet fixing

Surface Treatment

Ruspert/REXIUBAO/Zinc Plated

Drilling Capacity

1x1.0mm/2x0.75mm

Advantage

Sharper point, fast drill speed

Thread Type

Single Thread

Diameter(mm)	Length(mm)	Thread(mm)	Clamping Area(mm)
5.5	25	24.5	1-8
6.0	25	24.5	1-8
6.0	38	37.5	1-21

***For sizes or specifications not listed, please contact us for further information**



Double Thread Thin Sheet Screws

TGR Bi-metal thin sheet screws, mainly used in the installation of roof, wall and solar products, the hardness of high-strength steel and the double-thread design allow the screw to easily drill through a steel plate of up to 2mm, and the anti-corrosion ability of stainless steel 304 can prevent the screw from rusting in the life cycle of decades.

Product Description

Material

Bi-metal SS304+SCM435

Drilling Capacity

1x1.5mm/2x0.8mm

Washer

16mm EPDM Bounded Washer

Application

Fastening aluminium and steel profile sheets to aluminium and steel

Surface Treatment

AS3566 Class 3/REXIUBAO/Zinc Plated

Diameter(mm)	Length(mm)	Thread(mm)	Clamping Area(mm)
5.5	25	24.5	1-8
6.0	25	24.5	1-8
6.0	38	37.5	1-21

***For sizes or specifications not listed, please contact us for further information**



Expansion Wings Self-drilling Screws

TGR Phillips Flat Expansion Wings Self-drilling screws, designed for fixing cement fireboard/wood/OSB to steel, embossed head prevents excessive screwing in.

Product Description

Material

Carbon Steel 1022A

Stainless Steel 410

Bi-metal A2/A4+SCM435

Surface Treatment

AS3566 Class 3/REXIUBAO/Zinc Plated

Application

Fixing cement fireboard/wood/OSB etc. to steel

Diameter	Screw Size
4.2mm/#8 gauge	25mm/32mm/38mm/50mm
4.8mm/#10 gauge	32mm/38mm/50mm/65mm/75mm

***For sizes or specifications not listed, please contact us for further information**

Timber Construction Screws





Hi-Lo Thread Sheet Metal Screw

TGR Hi-Lo thread sheet metal screws, the Hi-Lo thread design is especially useful for thin sheet metal applications, as it helps to reduce the risk of the material being damaged or distorted during installation.

Product Description

Material
Carbon Steel 1022A with heat treatment

Application
Thin metal sheet/wood/OSB/Gypsum Board

Surface Treatment
Ruspert/REXIUBAO/Zinc Plated/Customized

Drilling Capacity
1x1.5mm/2x0.75mm

Advantage
Faster drilling speed and double threads

Thread
Hi-Lo thread

Diameter(mm)	Length(mm)	Drive
3.5-4.8mm	10-120mm	PH/Torx/Square

HI-LO Thread Belted Screws



TGR collated screws, customized color and quantities, Hi-Lo thread / counter-thread beneath head, using screw guns, make your work more efficient.

Product Description

Material
Carbon Steel 1022A with heat treatment

Application
Thin metal sheet/wood/OSB/Gypsum Board

Surface Treatment
Ruspert/REXIUBAO/Zinc Plated/Customized

Drilling Capacity
1x1.5mm/2x0.75mm

Advantage
Faster drilling speed and double threads

Thread
Hi-Lo thread

Diameter(mm)	Length(mm)	Drive
3.5/3.9/4.2	10-45	PH/Torx/Square

***For sizes or specifications not listed, please contact us for further information**



Stainless Steel Torx Decking Screw

TGR stainless steel decking screw, widely used for the connection and fastening between wooden boards, especially for the installation of anti-corrosion wood on decks, terraces and outdoor landscapes with anti-rust requirements.

Product Description

Material
Stainless Steel 304/316

Surface Treatment
Double Passivated Bright

Advantage
More torque for harder material.

Application
Wood/OSB/Gypsum Board

Point
Type 17

Thread
Tapping thread with scratshank

Diameter(mm)	Length(mm)	Drive
4.0-5.5	300-100	PH/Torx/Square



Stainless Steel Torx Decking Screw

TGR stainless steel decking screws, widely used for the connection and fastening between wooden boards, especially for the installation of anti-corrosion wood on decks, terraces and outdoor landscapes with anti-rust requirements.

Product Description

Material
Stainless Steel 304/316

Surface Treatment
Double Passivated Bright

Advantage
Smaller heads are easier to hide.

Application
Wood/OSB/Gypsum Board

Point
Type 17

Diameter(mm)	Length(mm)	Drive
4.0-5.5	25-100	PH/Torx/Square

***For sizes or specifications not listed, please contact us for further information**



Stainless Steel Torx Decking Screw

TGR stainless steel decking screw, widely used for the connection and fastening between wooden boards, especially for the installation of anti-corrosion wood on decks, terraces and outdoor landscapes with anti-rust requirements.

Product Description

Material
Stainless Steel 304/316

Surface Treatment
Double Passivated Bright

Advantage
Quickly screw-in due to the sharp threads

Application
Wood/OSB/Gypsum Board

Point
Type 17

Thread
Tapping thread with scratshank

Diameter(mm)	Length(mm)	Drive
3.0-5.5	30-100	PH/Torx/Square



Stainless Steel Torx Decking Screw

TGR stainless steel decking screw, widely used for the connection and fastening between wooden boards, especially for the installation of anti-corrosion wood on decks, terraces and outdoor landscapes with anti-rust requirements.

Product Description

Material
Stainless Steel 304/316

Surface Treatment
Ruspert/E-coat/Zinc Plated

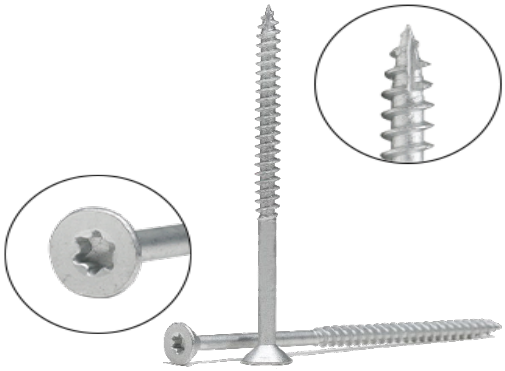
Advantage
Quickly screw-in due to the sharp threads

Application
Wood/OSB/Gypsum Board

Point
Type 17

Diameter(mm)	Length(mm)	Drive
3.0-5.5	25-100mm	PH/Torx/Square

***For sizes or specifications not listed, please contact us for further information**



Carbon Steel Torx Decking Screw

TGR Torx carbon steel decking screw, widely used for the connection and fastening between wooden boards, especially for the installation of anti-corrosion wood on decks, terraces and outdoor landscapes with anti-rust requirements.

Product Description

Material
Carbon Steel 1022(A)

Surface Treatment
Ruspert/Zinc/REXIUBAO

Advantage
Quickly screw-in due to the sharp threads

Application
Wood/OSB/Gypsum Board

Point
Type 17

Diameter(mm)	Length(mm)	Drive
3.0-8.0	30-300	PH/Torx/Square



Carbon Steel Torx Decking Screw

TGR Torx carbon steel decking screw, widely used for the connection and fastening between wooden boards, especially for the installation of anti-corrosion wood on decks, terraces and outdoor landscapes with anti-rust requirements.

Product Description

Material
Carbon Steel 1022(A)

Surface Treatment
Ruspert/E-coat/Zinc Plated

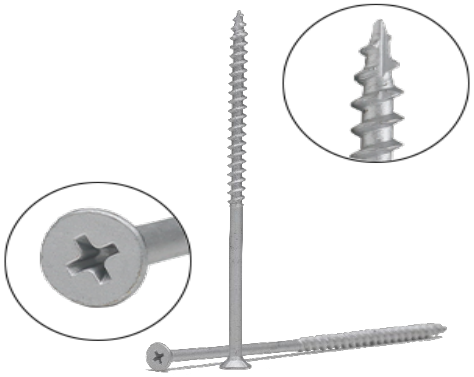
Advantage
Quickly screw-in due to the sharp point threads

Application
Wood/OSB/Gypsum Board

Point
Type 17

Diameter(mm)	Length(mm)	Drive
3.0-5.5	30-300mm	PH/Torx/Square

***For sizes or specifications not listed, please contact us for further information**



Carbon Steel Phillips Wood Screw

TGR carbon steel wood screw, mainly used for the connection and fastening between wooden boards, type 17 point makes drilling easier and prevents wood from splitting.

Product Description

Material
Carbon Steel 1022(A)

Surface Treatment
Double Passivated Bright

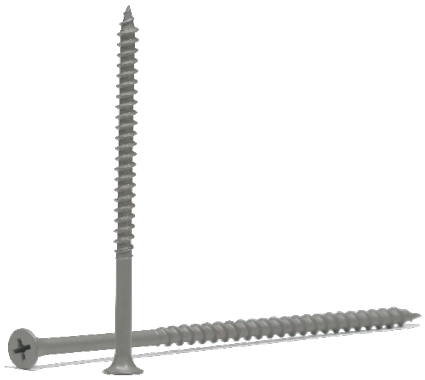
Advantage
Faster drilling speed

Application
Wood/OSB/Gypsum Board

Point
Type 17

Thread
Tapping thread with scratshank

Diameter(mm)	Length(mm)	Drive
3.0-5.5	30-100	PH/Torx/Square



Carbon Steel Phillips Wood Screw

TGR carbon steel wood screw, designed for the connection and fastening between wooden boards.

Product Description

Material
Carbon Steel 1022(A)

Surface Treatment
Ruspert/E-coat/Zinc Plated

Advantage
Quickly screw-in due to the sharp point and threads

Application
Wood/OSB/Gypsum Board

Point
Sharp point

Diameter(mm)	Length(mm)	Drive
3.0-5.5	25-200mm	PH/Torx/Square

***For sizes or specifications not listed, please contact us for further information**

Roofing Fasteners&Plates





#12 Standard Roofing Fasteners

#12 TGR Standard Roofing Screws, designed to fix insulation to steel (Max 2.0mm) and timber, Heavier Shank(4.3mm) and deep buttress thread ensure high turque and high pullout resistance.

Product Description

Thread Diameter: 5.58mm(0.220'')

Shank Diameter: 4.3mm(0.169'')

Head Diameter: 11.2mm(0.435'')

Head Type: #3 Phillips Flat Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or plastic plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-PHT1201	1-5/8''	Full	1000PCS/Bucket	5.71
TSR-PHT1202	2-1/4''	Full	1000PCS/Bucket	8.09
TSR-PHT1203	3''	3''	1000PCS/Bucket	11.32
TSR-PHT1204	4''	3''	1000PCS/Bucket	13.2
TSR-PHT1205	5''	4''	1000PCS/Bucket	16.35
TSR-PHT1206	6''	4''	1000PCS/Bucket	18.86
TSR-PHT1207	7''	4''	1000PCS/Bucket	22.64
TSR-PHT1208	8''	4''	1000PCS/Bucket	23.59

***For sizes or specifications not listed, please contact us for further information**



#14 Heavy Duty Roofing Fasteners-Truss Head

#14 TGR Heavy Duty Roofing Screws, designed for fixing insulation to steel (Max 2.0mm) and wood constructure, Heavier Shank(4.8mm) and deep buttress thread ensure high turque and high pullout resistance, max 406mm length could meet most of the applications.

Product Description

Thread Diameter: **6.22**mm(0.245'')

Shank Diameter: 4.8mm(0.190'')

Head Diameter: 11.2mm(0.435'')

Head Type: #3 Phillips Truss Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or plastic plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-PHT141A	1-1/4''	Full	1000PCS/Bucket	5.44
TSR-PHT141B	1-3/4''	Full	1000PCS/Bucket	7.26
TSR-PHT1402	2''	Full	1000PCS/Bucket	8.16
TSR-PHT1403	3''	Full	1000PCS/Bucket	11.79
TSR-PHT1404	4''	3''	1000PCS/Bucket	15.42
TSR-PHT1405	5''	4''	500PCS/Bucket	9.96
TSR-PHT1406	6''	4''	500PCS/Bucket	11.79
TSR-PHT1407	7''	4''	500PCS/Bucket	13.61
TSR-PHT1408	8''	4''	500PCS/Bucket	15.42
TSR-PHT1409	9''	4''	500PCS/Bucket	16.78
TSR-PHT1410	10''	4''	500PCS/Bucket	18.14
TSR-PHT1411	11''	4''	500PCS/Bucket	19.95
TSR-PHT1412	12''	4''	250PCS/Bucket	11.34
TSR-PHT1414	14''	4''	250PCS/Bucket	13.15
TSR-PHT1416	16''	4''	250PCS/Bucket	16.78

***For sizes or specifications not listed, please contact us for further information**



#14 Heavy Duty Roofing Fasteners-Flat Head

#14 TGR Heavy Duty Roofing Screws, designed for fixing insulation to steel (Max 2.0mm) and wood constructure, Heavier Shank(4.8mm) and deep buttress thread ensure high turque and high pullout resistance, max 406mm length could meet most of the applications.

Product Description

Thread Diameter: **6.22**mm(0.245'')

Shank Diameter: 4.8mm(0.190'')

Head Diameter: 11.2mm(0.435'')

Head Type: #3 Phillips Flat Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or plastic plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-FHT141A	1-1/4''	Full	1000PCS/Bucket	5.44
TSR-FHT141B	1-3/4''	Full	1000PCS/Bucket	7.26
TSR-FHT1402	2''	Full	1000PCS/Bucket	8.16
TSR-FHT1403	3''	Full	1000PCS/Bucket	11.79
TSR-FHT1404	4''	3''	1000PCS/Bucket	15.42
TSR-FHT1405	5''	4''	500PCS/Bucket	9.96
TSR-FHT1406	6''	4''	500PCS/Bucket	11.79
TSR-FHT1407	7''	4''	500PCS/Bucket	13.61
TSR-FHT1408	8''	4''	500PCS/Bucket	15.42
TSR-FHT1409	9''	4''	500PCS/Bucket	16.78
TSR-FHT1410	10''	4''	500PCS/Bucket	18.14
TSR-FHT1411	11''	4''	500PCS/Bucket	19.95
TSR-FHT1412	12''	4''	250PCS/Bucket	11.34
TSR-FHT1414	14''	4''	250PCS/Bucket	13.15
TSR-FHT1416	16''	4''	250PCS/Bucket	16.78

***For sizes or specifications not listed, please contact us for further information**



#15 Extra Heavy Duty Roofing Fasteners

#15 TGR Extra Heavy Duty Roofing Screws is specialized high-performance fastener designed to fix insulation and membrane to steel, O.S.B., or aluminum roof decks. Heavier Shank(5.25mm) and deep buttress thread ensure high turque and high pullout resistance, max 406mm length could meet most of the applications.

Product Description

Thread Diameter: 6.99mm(0.275'')

Shank Diameter: 5.25mm(0.206'')

Head Diameter: 11.2mm(0.435'')

Head Type: #3 Phillips Truss Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or other plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-PHT1502	2''	Full	1000PCS/Bucket	9.53
TSR-PHT1503	3''	Full	1000PCS/Bucket	13.61
TSR-PHT1504	4''	3''	1000PCS/Bucket	17.69
TSR-PHT1505	5''	4''	500PCS/Bucket	11.34
TSR-PHT1506	6''	4''	500PCS/Bucket	13.15
TSR-PHT1507	7''	4''	500PCS/Bucket	14.79
TSR-PHT1508	8''	4''	500PCS/Bucket	17.24
TSR-PHT1509	9''	4''	500PCS/Bucket	18.60
TSR-PHT1510	10''	4''	500PCS/Bucket	20.87
TSR-PHT1511	11''	4''	500PCS/Bucket	23.59
TSR-PHT1512	12''	4''	250PCS/Bucket	12.48
TSR-PHT1514	14''	4''	250PCS/Bucket	14.97
TSR-PHT1516	16''	4''	250PCS/Bucket	17.24

***For sizes or specifications not listed, please contact us for further information**



#15 Extra Heavy Duty Roofing Fasteners

#15 TGR Extra Heavy Duty Roofing Screws is specialized high-performance fastener designed to fix insulation and membrane to steel, O.S.B., or aluminum roof decks. Heavier Shank(5.25mm) and deep buttress thread ensure high turque and high pullout resistance, max 406mm length could meet most of the applications.

Product Description

Thread Diameter: 6.99mm(0.275'')

Shank Diameter: 5.25mm(0.206'')

Head Diameter: 11.2mm(0.435'')

Head Type: #3 Phillips Flat Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

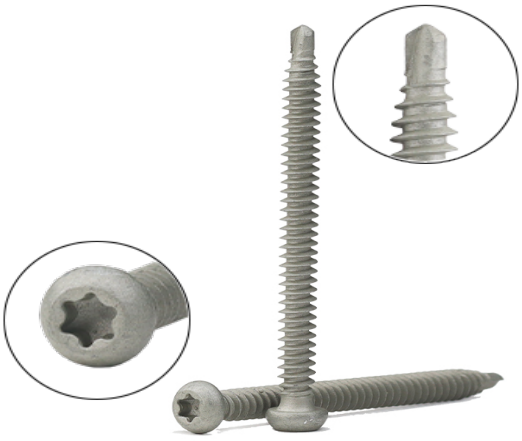
Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or other plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-PHT1502	2''	Full	1000PCS/Bucket	9.53
TSR-PHT1503	3''	Full	1000PCS/Bucket	13.61
TSR-PHT1504	4''	3''	1000PCS/Bucket	17.69
TSR-PHT1505	5''	4''	500PCS/Bucket	11.34
TSR-PHT1506	6''	4''	500PCS/Bucket	13.15
TSR-PHT1507	7''	4''	500PCS/Bucket	14.79
TSR-PHT1508	8''	4''	500PCS/Bucket	17.24
TSR-PHT1509	9''	4''	500PCS/Bucket	18.60
TSR-PHT1510	10''	4''	500PCS/Bucket	20.87
TSR-PHT1511	11''	4''	500PCS/Bucket	23.59
TSR-PHT1512	12''	4''	250PCS/Bucket	12.48
TSR-PHT1514	14''	4''	250PCS/Bucket	14.97
TSR-PHT1516	16''	4''	250PCS/Bucket	17.24

***For sizes or specifications not listed, please contact us for further information**



#12 Standard Roofing Fasteners

#12 TGR Standard Roofing Screws, designed to fix insulation to steel (Max 2.0mm) and timber, Heavier Shank(4.3mm) and deep buttress thread ensure high turque and high pullout resistance.

Product Description

Thread Diameter: 5.58mm(0.220'')

Shank Diameter: 4.3mm(0.169'')

Head Diameter: 11.2mm(0.435'')

Head Type: T30 Torx Pan Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

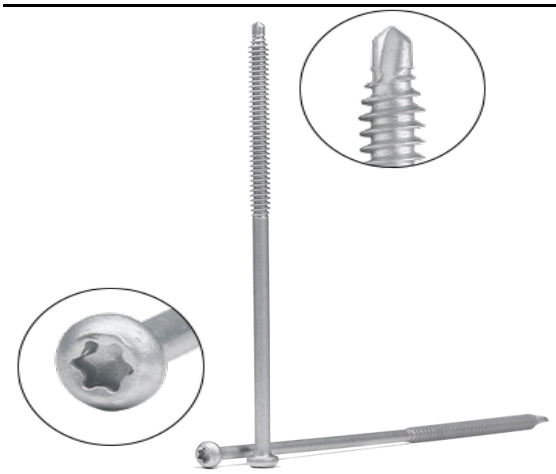
Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or plastic plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-TPT1201	1-5/8''	Full	1000PCS/Bucket	5.71
TSR-TPT1202	2-1/4''	Full	1000PCS/Bucket	8.09
TSR-TPT1203	3''	3''	1000PCS/Bucket	11.32
TSR-TPT1204	4''	3''	1000PCS/Bucket	13.2
TSR-TPT1205	5''	4''	1000PCS/Bucket	16.35
TSR-TPT1206	6''	4''	1000PCS/Bucket	18.86
TSR-TPT1207	7''	4''	1000PCS/Bucket	22.64
TSR-TPT1208	8''	4''	1000PCS/Bucket	23.59

***For sizes or specifications not listed, please contact us for further information**



#14 Heavy Duty Roofing Fasteners-Torx

#14 TGR Heavy Duty Roofing Screws is specialized high-performance fastener designed to fix insulation and membrane to steel, O.S.B., or aluminum roof decks. Deep buttress thread ensure high turque and high pullout resistance, max 406mm length could meet most of the applications.

Product Description

Thread Diameter: 6.30mm(0.248'')

Shank Diameter: 4.90mm(0.193'')

Head Diameter: 10.5mm(0.413'')

Head Type: T30 Torx Pan Head

Material

Heat Treated Steel C1022

Surface Treatment

Standard: CR-10 Corrosion Resistant Coating

Customized: 500-2000H NSS/5-30 Cycles of Kesternich

Application

Insulation&Membrane Fixing

Advantage

Sharp drill point for faster drilling speed.

Heavier shank diameter generate more torque.

Plates & Accessories

Use 3" (76 mm) steel plates or other plates, depending upon the application.

Model No.	Size	Thread	Packing	Weight(Kgs)
TSR-TPT141A	1-1/4''	Full	1000PCS/Bucket	5.44
TSR-TPT141B	1-3/4''	Full	1000PCS/Bucket	7.26
TSR-TPT1402	2''	Full	1000PCS/Bucket	8.16
TSR-TPT1403	3''	Full	1000PCS/Bucket	11.79
TSR-TPT1404	4''	3''	1000PCS/Bucket	15.42
TSR-TPT1405	5''	4''	500PCS/Bucket	9.96
TSR-TPT1406	6''	4''	500PCS/Bucket	11.79
TSR-TPT1407	7''	4''	500PCS/Bucket	13.61
TSR-TPT1408	8''	4''	500PCS/Bucket	15.42
TSR-TPT1409	9''	4''	500PCS/Bucket	16.78
TSR-TPT1410	10''	4''	500PCS/Bucket	18.14
TSR-TPT1411	11''	4''	500PCS/Bucket	19.95
TSR-TPT1412	12''	4''	250PCS/Bucket	11.34
TSR-TPT1414	14''	4''	250PCS/Bucket	13.15
TSR-TPT1416	16''	4''	250PCS/Bucket	16.78

***For sizes or specifications not listed, please contact us for further information**

2'' Metal Seam Plate



2” Metal Seam Plate is used within fully bonded seams to attach reinforced and non-reinforced single-ply membranes to the substrate. Used with #14 #15, purlin, fluted concrete nail or 1/4” concrete spike fasteners in roofing systerm applications.

Product Description

Diameter: 50.8mm(2'')

Thickness: 0.03" (0.76 mm)

Hole Size: 6.73mm(0.265'')

Application

Insulation&Membrane Fixing

Material

AZ-55 Galvalume Steel Sheet

Corrosion Resistance

Could meet the requirement of FM4470

Model No.	Size	Thickness	Packing	Weight(Kgs)
TSR-RP-1	2''	0.03''	1000PCS/Bucket	12.25

3'' Metal Seam Plate



3” Metal Seam Plate is used within fully bonded seams to attach reinforced and non-reinforced single-ply membranes to the substrate. Used with #14 #15, purlin, fluted concrete nail or 1/4” concrete spike fasteners in roofing systerm applications.

Product Description

Diameter: 76.0mm(3'')

Thickness: 0.02" (0.5 mm)

Hole Size: 6.73mm(0.265'')

Application

Insulation&Membrane Fixing

Material

AZ-55 Galvalume Steel Sheet

Corrosion Resistance

Could meet the requirement of FM4470

Model No.	Size	Thickness	Packing	Weight(Kgs)
TSR-RP-2	3''	0.02''	1000PCS/Bucket	16.50

***For sizes or specifications not listed, please contact us for further information**

2-3/8'' Barbed Metal Seam Plate



2-3/8” Barbed Metal Seam Plates are used to fix reinforced single-ply and modified bituminous membranes to the substrate. Used with #14 #15, purlin, fluted concrete nail or 1/4” concrete spike fasteners in roofing systerm applications.

Product Description

Diameter: 60mm(2-3/8'')

Thickness: 0.04" (1.0 mm)

Hole Size: 6.95mm(0.272'')

Application

Insulation&Membrane Fixing

Material

AZ-55 Galvalume Steel Sheet

Corrosion Resistance

Could meet the requirement of FM4470

Model No.	Size	Thickness	Packing	Weight(Kgs)
TSR-BP-1	2-3/8''	0.04''	1000PCS/Bucket	22.60

3'' Barbed Metal Seam Plate



3” Metal Seam Plate Plates are specially designed to be used with TGR All-Purpose, Heavy-Duty, Concrete Drive and Stainless Steel Fasteners in roofing applications.

Product Description

Diameter: 76.0mm(3'')

Thickness: 0.017" (0.43 mm)-0.023''(0.58mm)

Hole Size: 6.73mm(0.265'')

Application

Insulation&Membrane Fixing

Material

AZ-55 Galvalume Steel Sheet

Corrosion Resistance

Could meet the requirement of FM4470

Model No.	Size	Thickness	Packing	Weight(Kgs)
TSR-RP-3	3''	0.02''	1000PCS/Bucket	16.50

***For sizes or specifications not listed, please contact us for further information**

2-3/8'' Barbed Metal Seam Plate



2-3/8” Barbed Metal Seam Plates are used to fix reinforced single-ply and modified bituminous membranes to the substrate. Used with #14 #15, purlin, fluted concrete nail or 1/4” concrete spike fasteners in roofing systerm applications.

Product Description

Diameter: 60mm(2-3/8'')

Thickness: 0.024" (0.8 mm)

Hole Size: 6.85mm(0.270'')

Application

Insulation&Membrane Fixing

Material

AZ-55 Galvalume Steel Sheet

Corrosion Resistance

Could meet the requirement of FM4470

Model No.	Size	Thickness	Packing	Weight(Kgs)
TSR-BP-2	2-3/8''	0.024''	1000PCS/Bucket	18.60

2-3/8'' Metal Seam Plate



2-3/8” Metal Seam Plate Plates are specially designed to be used with TGR All-Purpose, Heavy-Duty, Concrete Drive and Stainless Steel Fasteners in roofing applications.

Product Description

Diameter: 60mm(2-3/8'')

Thickness: 0.024" (0.8 mm)

Hole Size: 6.73mm(0.265'')

Application

Insulation&Membrane Fixing

Material

AZ-55 Galvalume Steel Sheet

Corrosion Resistance

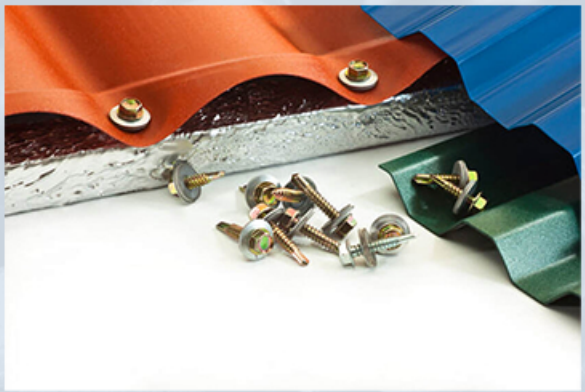
Could meet the requirement of FM4470

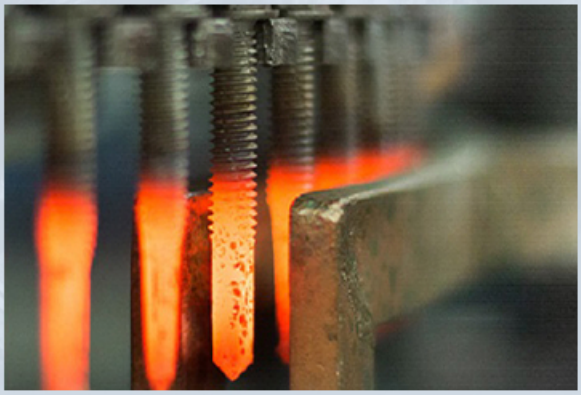
Model No.	Size	Thickness	Packing	Weight(Kgs)
TSR-BP-3	2-3/8''	0.024''	1000PCS/Bucket	18.60

***For sizes or specifications not listed, please contact us for further information**









TGR SCREWS

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