



Tengri



螺栓/螺钉 **BOLTS & SCREWS**

Shanghai Tengri Metal Products Co., Ltd

上海腾戈瑞金属制品有限公司

www.tengrifast.com



Empower industry business Changing the future

Trustworthy

With 35+ years experience under well-known "Tengri" and "TGR" brand

Professional

Provide precise fastening and solution for application

Value

Cost down in a series of activities to meet customer's expectation

Service

Keep improving quality and on-time delivery

赋能工业 让业务改变未来

值得信赖

拥有35年的经验，知名的“Tengri”和“TGR”品牌

专业的

提供精密紧固和应用解决方案

有价值

通过一系列方法降低成本满足客户的期望

服务性

不断提高质量保证和准时交货

CERTIFICATIONS

Quality Is Our Culture



ISO 9001



API



IATF-16949



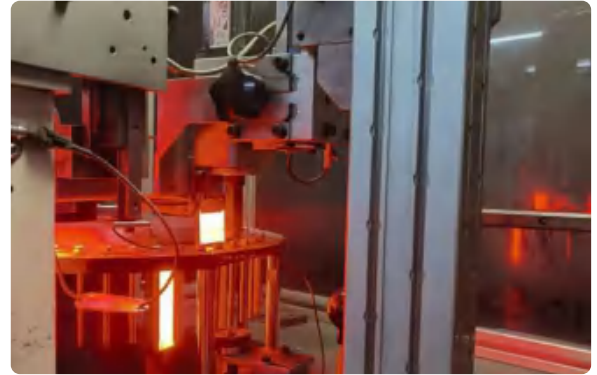
SGS-Certifications

检测分选设备

Inspecting & Sorting Equipments



SPECTRO MAX x Spectrometers



2 LAZPIUR 360° Detector



SCHATZ-ANALYSE with Manipulator
5413-277704CS



Rockwell Hardness Tester



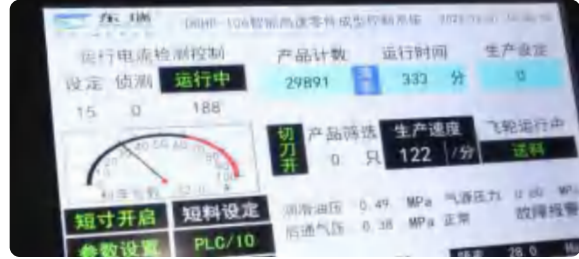
Plating Thickness Tester



Spectrometer

冷镦设备

Cold Forming Machine & Pressure Monitoring Device Sk500.



搓牙设备

Threading Machine & Pressure Monitoring Device Sk400



机加工设备

CNC Machining Equipments



表面处理设备

Surface Treatments Equipments



Material

ASTM 193 B7, B8, B8M, B8C

A193 Grades

- B7** Alloy steel, AISI 4140/4142 quenched and tempered
- B8** Class 1 Stainless steel, AISI 304, carbide solution treated
- B8M** Class 1 Stainless steel, AISI 316, carbide solution treated
- B8** Class 2 Stainless steel, AISI 304, carbide solution treated, strain hardened
- B8M** Class 2 Stainless steel, AISI 316, carbide solution treated, strain hardened



A193 Mechanical Properties

Grade	Size	Tensile ksi, min	Yield, ksi, min	Elong. %, min	RA1%min	HBW	Rockwell
B7	Up to 2-1/2	125	105	16	50	321 max	35 HRC max
	2-5/8-4	115	95	16	50	321 max	35 HRC max
	4-1/8-7	100	75	18	50	321 max	35 HRC max
B8 Class 1	All	75	30	30	50	223 max	96 HRB max
B8M Class 1	All	125	30	30	50	223 max	96 HRB max
B8 Class 2	Up to 3/4	125	100	12	35	321 max	35 HRC max
	7/8-1	115	80	15	35	321 max	35 HRC max
	1-1/8-1-1/4	105	65	20	35	321 max	35 HRC max
	1-3/8-1-1/2	100	50	28	45	321 max	35 HRC max
B8M Class 2	Up to 3/4	110	95	15	45	321 max	35 HRC max
	7/8-1	100	80	20	45	321 max	35 HRC max
	1-1/8-1-1/4	95	65	25	45	321 max	35 HRC max
	1-3/8-1-1/2	90	50	30	45	321 max	35 HRC max



J Bolts



U Bolts



Double End Bolts



Thread Rods



Hex Bolts



Large head
Carriage Bolts



Mushroom Head Square
Neck Bolts



Round Head With
Oval Neck Bolts



Cup Head Square Neck
bolts With Large Head



Hexagon Socket
Countersunk
Head Square Neck Bolts



Hexagon Flange Bolts



Triangle Head Bolts
With Collar



Foundation
Bolts



Square Head Bolts



Eye Bolts



T Bolts

螺纹紧固件

Threaded fasteners

螺纹紧固件是将汽车的部件连接起来的装置，是汽车维修技术人员接触最多的零件，现代汽车中使用了数百种紧固件。

Threaded fasteners are the devices that connect the parts of a car and are the most touched parts by car maintenance technicians. Hundreds of fasteners are used in modern cars.

常用螺纹标准是米(公)制 螺纹，少部分从美国、英国来的进口车可能用寸制螺纹 (UNC, UNF) 此外车上部分传感器和螺塞还使用圆柱管螺纹和圆锥管 螺纹。
Common thread standard is meter (male) thread, a small part of imported cars from the United States and the United Kingdom may use inch thread (UNC, UNF), in addition to part of the car sensor and screw plug also use cylindrical pipe thread and conical pipe thread.

主要应用：

发动机罩盖、发动机油底壳、离合器、启动电机、发电机、车灯，内外饰等

Main Application:

Hood Cover, Engine Oil Pan, Clutch, Starting Motor, Generator, Lights, Interior and Exterior Decoration, and etc.

Tengri Product Application



High-strength Fillister Head Hub Bolts For Automotive Wheels



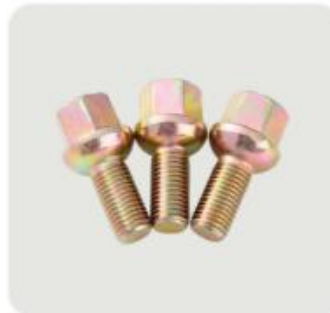
Customized Hub Bolts



Ball Collar Screws



Flange 12-Point Screws



Hexalobular Bolts With Flange



Hexagon-duty Hexagon Head Screw Plugs



Tapered Square Plugs



DIN 908 Internal Drive
Screw Plugs With Collar



Flat Round Head Weld Screws



T-Shaped Oval Bolts



Custom Support
Frame Bolts



Hexalobular Bolts
With Flange



Ball Head Screws



Hexagon Socket Head Shoulder Screws



Hexagon Socket Taper Plugs



Hexagon Socket
Countersunk Head
Cap Screws



Double Tooth Car
Headlight Screws



Non-Standard Automobile Parts



Square Pan Head
Machine Screws



Customized
Socket Cap Screws
With Serration



Knurled
Thumb Screws



Slotted Hex
Flange Screws



Slotted Phillips
Drive Machine
Screws



Slotted-Square
Recessed Round
Head Screws



Slotted Pozi Drive
Machine Screws



Thumb Screws



Cross Pan Head
SEMS Screws



Torx Pan Head
SEMS Screws



Hex Socket
Head SEMS
Screws



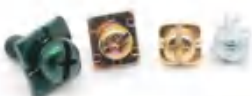
Cross Countersunk
Head SEMS Screws



Customized
SEMS Screws



Customized SEMS Screws Series



Cross Pan Head
SEMS Screws With
Square Washer



Cross Pan Head
SEMS Screws
With External Teeth
Lock Washer



Cross Pan Head
SEMS Screws
With Internal Teeth
Lock Washer



Cross Recessed
Hexagon Bolt W/Flat
& Spring Washer



Chess Slotted Head
SEMS Screws
With Square Washer



Slotted Pan Head Screws



Slotted Countersunk Flat Head Screws



Hexagon Socket Head Cap Screws



Cross Recess Pan Head Screws



Cross Recess Pan Head Screws With Collar & Serration



Square Recess Mushroom Head Screws



Hexalobular Socket Pan Head Screws



Torx Pin Countersunk Head Screws



Square Set Screws With Long Dog Point



Hexalobular Socket Set Screws



Wing Screws



Cross Recessed Hexagon Flange Machine Screw



Belt Screws



Hexagon Bolts With Wire Holes On Head



Hexagon Bolts With Split Pin Hole On Shank



Triangular Slot Screws



Wedge Bolts



Percussive Back Bolts



Anchor Bolts



Hexagon Socket Button Head Screws With Collar

螺丝可按照类型、头型、槽型分类

Screws can be classified according to Type, Shape Type, Groove Type

类型 Type

机螺钉、自攻螺钉、
钻尾螺钉、墙板钉、
纤维板钉、木螺钉、
组合螺钉、家具螺钉等。

Machine Screws, Tapping Screws,
Drilling Screws, Wallboard Nails,
Chipboard Screws, Wood Screws,
SEMS Screws, Furniture Screws
and etc

头型 Shape

六角头、六角头法兰面、
方头、T形头、扁圆头、
圆柱头、圆头、盘头、
沉头、半沉头。

Hexagon Head, Hexagon Head
With Flange, Square Head, T Head
(Hammer Head), Mushroom
Head(Truss Head), Cheese Head,
Round Head, Pan Head,
Countersunk Head (Flat Head),
Raised Countersunk Head

槽型 Groove

十字、一字、内三角、
四方、米字、内六角、
梅花形、内六角等。

Cross, Slotted, Triangle Socket,
Square Socket, PZ Drives, Socket
Cap, Torx, Hex, etc.





Hexagon Washer Head
Self Drilling Screws



Hexalobular Socket
Raised Countersunk (Oval)
Head Drilling Screws



Hex Flange Head
Self Drilling Screws
with Wing



Torx Pin Undercut
Head Self Drilling
Screws



Anti-Theft (Torx pin)
Pan head Self
Drilling Screws



Socket Flat
Head Self Drilling
Screws



Cross Pan Head
Self Drilling Screws
With Collar



Cross Recessed
Countersunk
Head Self-Drilling Screws



Square Countersunk Head
Self Drilling Screws with Wing



Special Type Washer
Combination Hexagon
Flange Drilling Screws



Cross Recessed Pan
Head Drilling Screws



Square Pan Head
Self Drilling Screws



Slotted Hex Flange
Self Drilling Screws



Torx Pan Head Thread Forming Screws



Cross Recessed Hexagon Flange Head Thread Rolling Screws



Cross Recessed Pan Head Thread Rolling Screws



Hexagon Cheese Head Thread Rolling Screws



Cross Recessed CSK Head Cutting Tapping Screws, Scrape Point



Cross Recessed Pan Head Cutting Tapping Screws, Scrape Point



Torx Pan Head Cutting Tapping Screws, Scrape Point



Cross Recessed Pan Head Cutting Tapping Screws With Collar, Scrape Point



Slotted Pan Head Cutting Tapping Screws, Scrape Point



Philips Recess Forming Screws For Plastic Material



Hex Flange Head Thread Forming Screws For Plastic Material



PZ Drives Pan Head Thread Forming Screws For Plastic Material



Torx Pan Head Thread Forming Screws For Plastic Material



Metric Type Square-Recessed
Flat Countersunk Head Tapping Screws



Concrete Screws



S Anti-Theft Self
Tapping Screws



Torx Head Wood
Construction Screws
With Cutting Points



Slotted Round
Head Wood Screws



Slotted Countersunk(Flat)
Head Wood Screws



Customized Chipboard
Screws With Cut Nails



Cross Recessed
Hexagon Head
Tapping Screws



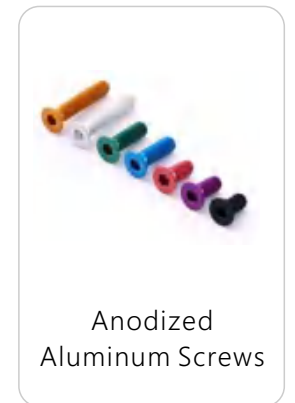
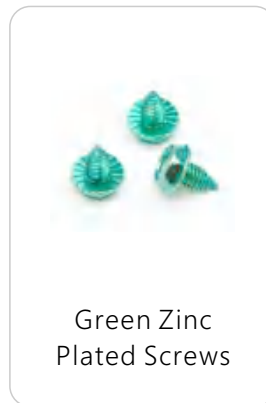
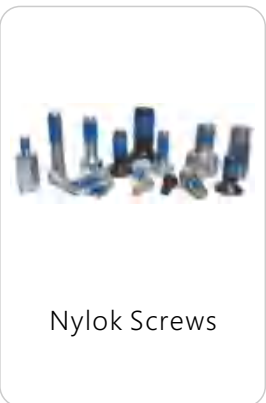
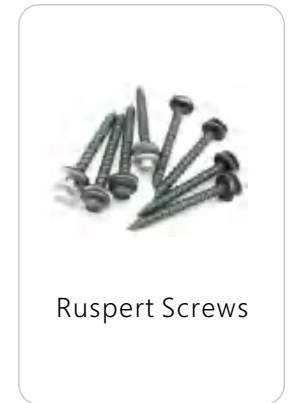
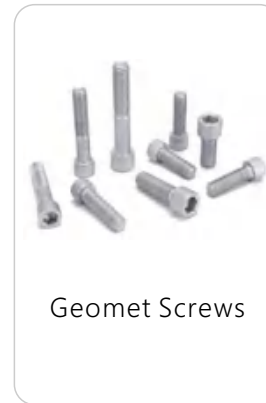
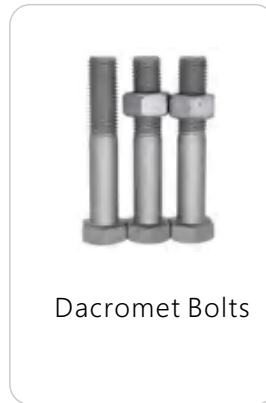
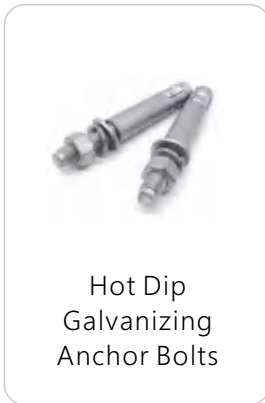
Hexagon Head
Wood Screws



Customized
Hook Screws



Concrete Screw
Anchors





Hex Flange Nut



Hex Nut



Hexagon Slotted
Castle Nut



Hexagon Cap Nut



Hex Thin Nut



Lock Nut Series



Hexagon Collar
Nut with a
Height of 1.5d



Wheel Nut



Wing Nut



Knurled Nut



Hexagon Nut
With Cone



Square Nut



Small Round Nut



T Nut



Cage Nut



Nut with Springs



Spring Nut Type B



钢结构用大六角头高强度螺栓连接副

Big hexagon connecting bolt of high-intensity for steel structure

GB/T 1228-1231-91

本公司可根据客户需要生产以下标准的钢结构大六角头螺栓产品

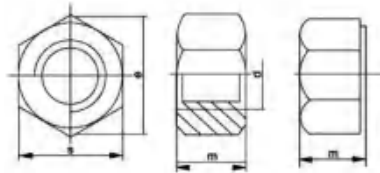
We manufacture thereafter standard steel big hexagon bolts as customer demand

DIN 6914 DIN 6916 DIN 7990 DIN 7999

ISO 7412 ISO 4775 ISO 7416

JIS B 1186

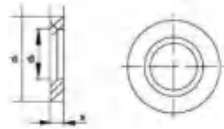
ASTM A325 A490 A325M A490M



GB/T 1229
性能等级 Property grade: 10H/8H
螺纹 Thread: 6H

螺母尺寸/NUT DIMENSIONS(mm)

d	12	16	20	22	24	27	30
s	21	27	34	36	41	46	50
m	12.3	17.1	20.7	23.6	24.2	27.6	30.7
e	22.8	29.6	37.3	39.6	45.2	50.9	55.4



GB/T 1230
性能等级 Property grade: HRC35-45

垫圈尺寸/WASHER DIMENSIONS(mm)

d	12	16	20	22	24	27	30
d1	13	17	21	23	25	28	31
d2	25	33	40	42	47	52	56
s	3	4	4	5	5	5	5



GB/T 1228
性能等级 Property grade: 10.9S/8.8S
螺纹 Thread: 6g

螺栓尺寸/BOLT DIMENSIONS(mm)

d	12	16	20	22	24	27	30
s	21	27	34	36	41	46	50
k	7.5	10	12.5	14	15	17	18.7
l	35~75	45~130	50~160	55~220	60~240	65~260	70~260



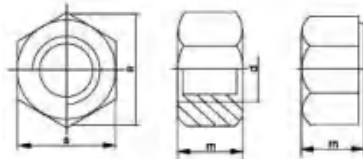
钢结构用扭剪型高强度螺栓连接副

Tortous connecting bolt of high-intensity for steel structure

GB/T 3632-3633-95

本公司可根据客户需要生产ASTM E1852相关标准产品

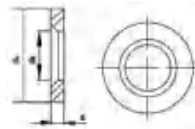
We manufacture ASTM E1852 series standard product as customer demand



GB/T 3632
性能等级 Property grade: 10.H
螺纹 Thread: 6H

螺母尺寸/NUT DIMENSIONS(mm)

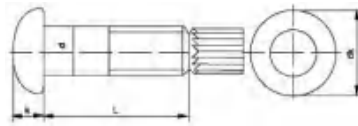
d	16	20	22	24
s	27	34	36	41
m	17.1	20.7	23.6	24.2
e	29.6	37.3	39.6	45.2



GB/T 1013
性能等级 Property grade: HRC35-45

垫圈尺寸/WASHER DIMENSIONS(mm)

d	16	20	22	24
d1	17	21	23	25
d2	33	40	42	47
s	4	4	5	5



GB/T 3632
性能等级 Property grade: 10.9S
螺纹 Thread: 6g

螺栓尺寸/BOLT DIMENSIONS(mm)

d	16	20	22	24
s	30	37	41	44
k	10	13	14	15
k''	17	19	21	23
l	45~120	45~140	50~160	55~180



Tengri

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