

GS-SMART

FARM MOUNTING SYSTEM

PV Mounting System Solution



Easy to assemble



Convenient
maintenance



Safe and reliable

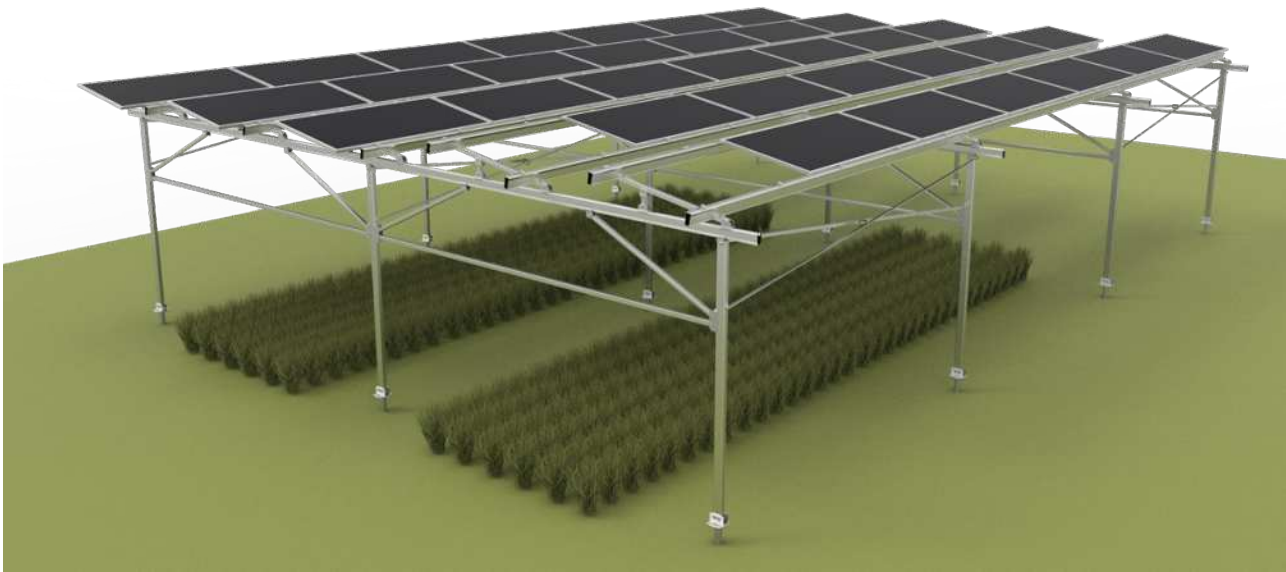


Nice appearance

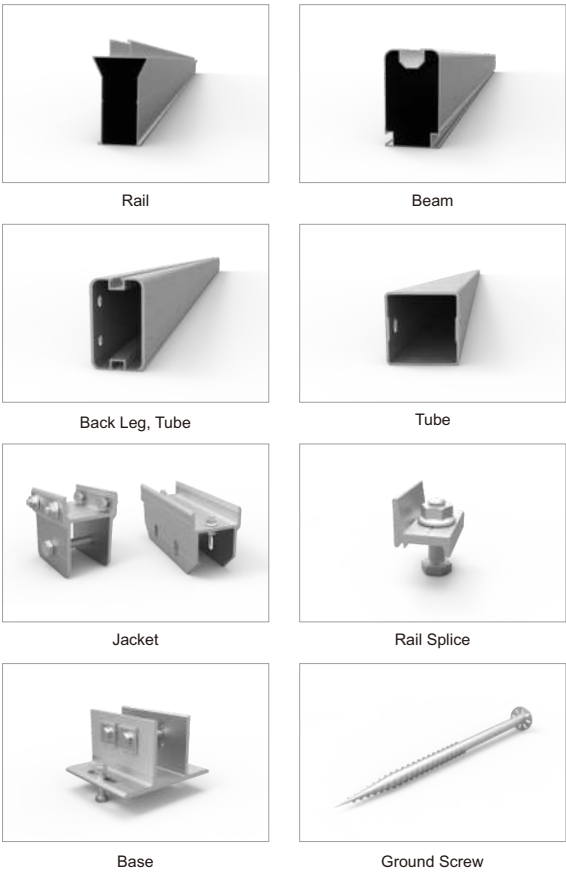
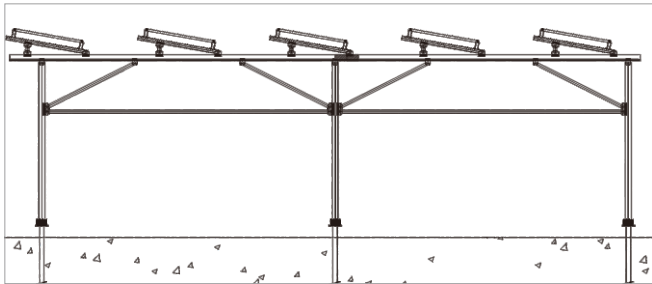
**HIGH EFFICIENCY
HIGH QUALITY
HIGH INCOME**

Flat Type Farm Mounting System

Aluminum alloy



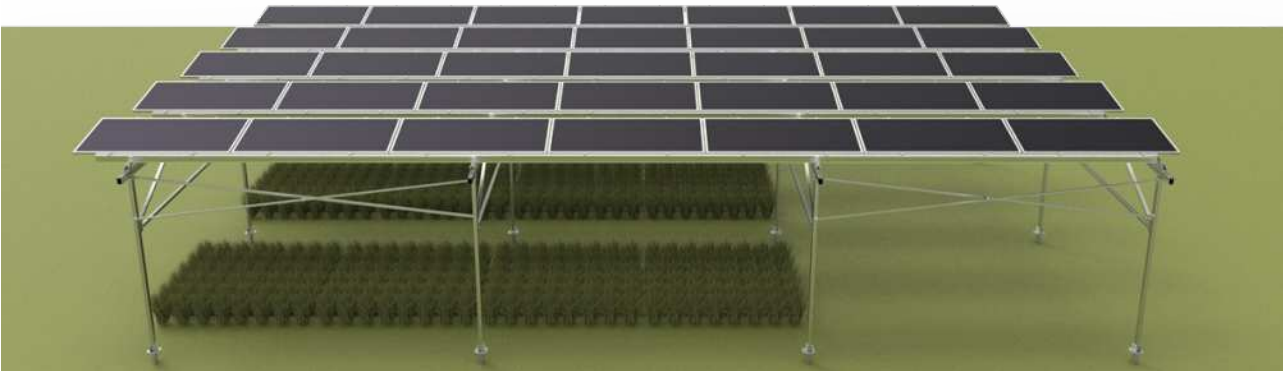
Installation site	Ground
Inclination	0-60°
Construction height	<4m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
Surface Treatment	Anodizing or electrophoresis
Color	Silver or customized
Foundation	Concrete Foundation
	Ground Screw Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		PV MODULE INFORMATION	
Size	2278*1134*35mm	Module Inclination (in degree)	10 deg
Module arrangement	5 rows, 7 columns	Module Power	555W
Number of installations	35 pcs	Capacity	19425W

Arrangement



Component List

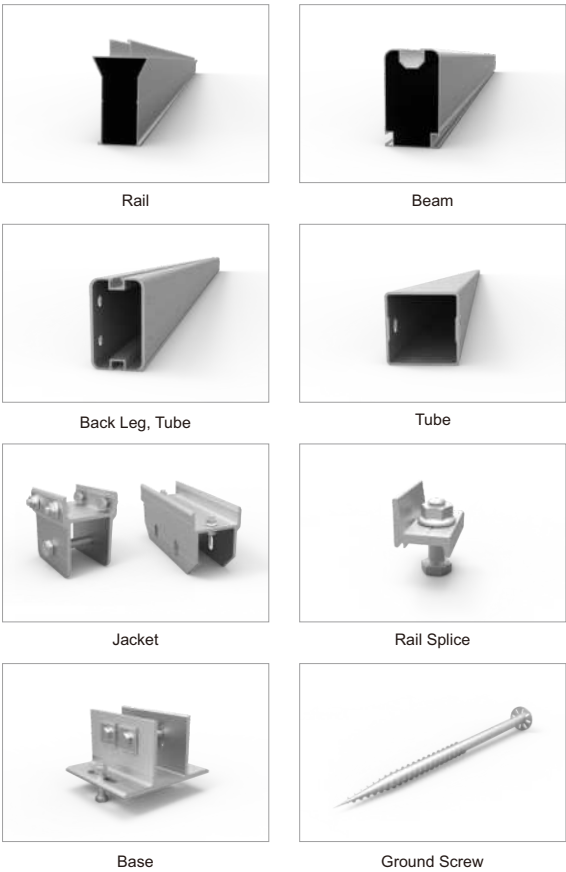
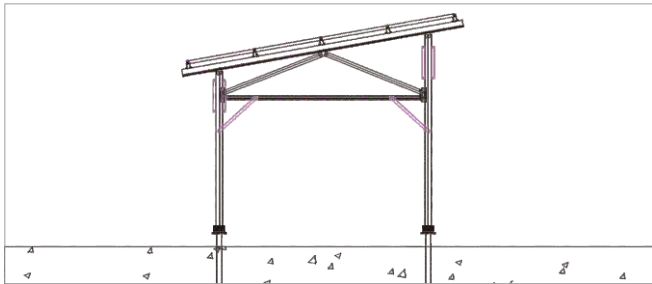
Description	Material	Specification	QTY
Rail	AL 6005-T5	5200 mm	20 pcs
Rail	AL 6005-T5	5000 mm	10 pcs
Rail Splice	AL 6005-T5	300 mm	20 pcs
Rail Clamp	AL 6005-T5&SUS 304	60 mm	80 pcs
End Clamp	AL 6005-T5&SUS 304	35 mm	140 pcs
Triangle Bracket	AL 6005-T5&SUS 304	10 mm	20 pcs
Jacket 1#	AL 6005-T5&SUS 304	80 mm	40 pcs
Beam	AL 6005-T5	5750 mm	4 pcs
Jacket 2#	AL 6005-T5&SUS 304	80 mm	12 pcs
Jacket 3#	AL 6005-T5&SUS 304	120 mm	16 pcs
Beam	AL 6005-T5	5000 mm	4 pcs
Support Beam Splice	AL 6005-T5	400 mm	4 pcs
Tube	AL 6005-T5	1700 mm	16 pcs
Tube	AL 6005-T5	4850 mm	8 pcs
Jacket 4#	AL 6005-T5	200 mm	16 pcs
Back Leg, Tube	AL 6005-T5	2740 mm	12 pcs
Bolts kits	SUS 304	M8*30	60 pcs
Base	AL 6005-T5&SUS 304	180 mm	12 pcs
Ground Screw	Q235	89*2000*T4*2	12 pcs
Al Angel Brace	AL 6005-T5	5060 mm	12 pcs
Module	AL 6005-T5	100*60*2*50	6 pcs
Grounding Clip	SUS 304	25*16*23	70 pcs
Grounding Lug	SUS 304	20 mm	5 pcs

Slope Type Mounting System

Aluminum alloy



Installation site	Ground
Inclination	0-60°
Construction height	<4m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
Surface Treatment	Anodizing or electrophoresis
Color	Silver or customized
Foundation	Concrete Foundation
	Ground Screw Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION	
Size	2278*1134*35mm
Module arrangement	4 rows, 7 columns
Number of installations	28 pcs

PV MODULE INFORMATION	
Module Inclination (in degree)	10 deg
Module Power	555W
Capacity	15540W

Arrangement

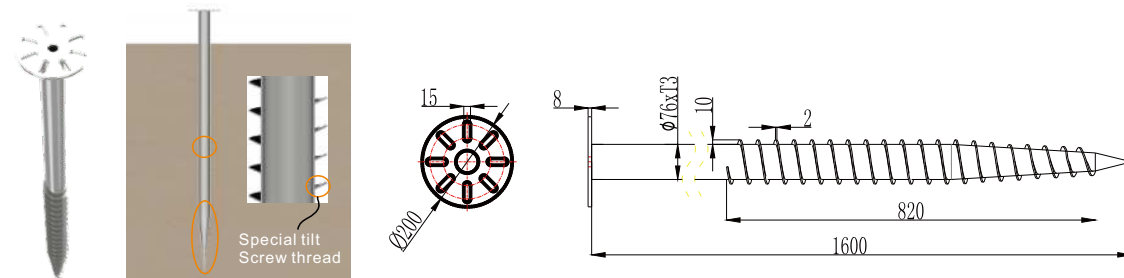


Component List

Description	Material	Specification	QTY
Rail	AL 6005-T5	5200 mm	10 pcs
Rail	AL 6005-T5	5000 mm	5 pcs
Splice	AL 6005-T5	300 mm	10 pcs
Rail Clamp	AL 6005-T5&SUS 304	60 mm	40 pcs
End Clamp	AL 6005-T5&SUS 304	35 mm	28 pcs
Inter Clamp	AL 6005-T5&SUS 304	35 mm	42 pcs
Beam	AL 6005-T5	5750 mm	4 pcs
Jacket 2#	AL 6005-T5&SUS 304	80 mm	8 pcs
Jacket 3#	AL 6005-T5&SUS 304	120 mm	4 pcs
Tube	AL 6005-T5	1700 mm	8 pcs
Tube	AL 6005-T5	4850 mm	4 pcs
Jacket 4#	AL 6005-T5	200 mm	8 pcs
Back Leg, Tube	AL 6005-T5	2740 mm	4 pcs
Back Leg, Tube	AL 6005-T5	3620 mm	4 pcs
Bolts kits	SUS 304	M8*30	24 pcs
Base	AL 6005-T5&SUS 304	180 mm	8 pcs
Ground Screw	Q235	89*2000*T4*2	8 pcs
Al Angel Brace	AL 6005-T5	5060 mm	8 pcs
Module	AL 6005-T5	100*60*2*50	4 pcs
Grounding Clip	SUS 304	25*16*23	42 pcs
Grounding Lug	SUS 304	20 mm	2 pcs

GS-Smart Ground Mounting System Solution

Ground Screw



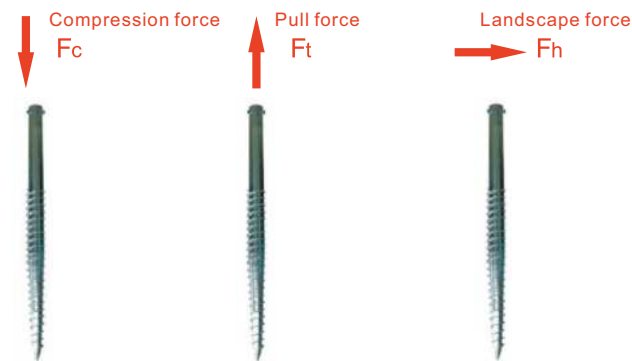
The conical shape ensures the safety and stability of the ground screw.

• Product introduction

GS ground screw is a new foundation in the ground mounting system for solar power generation, because it is widely adopted for environmental protection. The installation is convenient, the installation time is shortened, and the construction cost is greatly saved. It uses a special inclined screw tooth design to ensure its safety and stability.

• Product parameter

- Number: GS-F76C-1600-T3
- Material: Iron. IS0630 Fe360A
- Surface treatment: Galvanized ISO 1461
- Length: 1600mm
- External diameter: 76mm
- Internal diameter: 70mm
- Flange diameter: 200mm



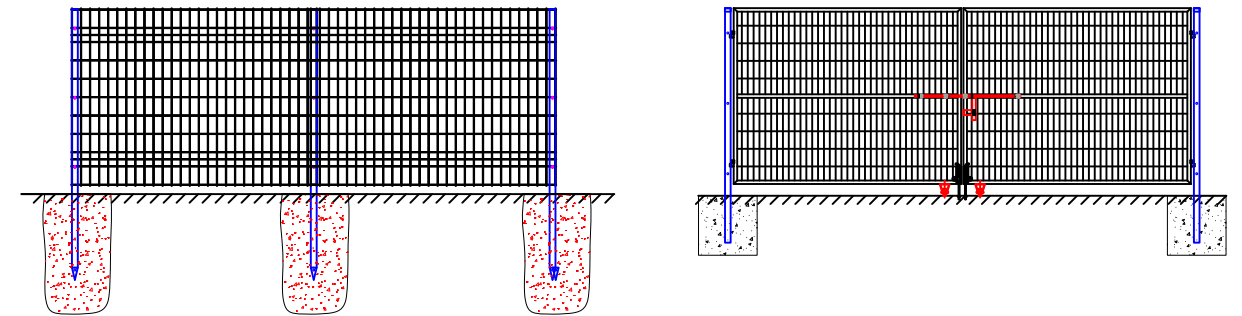
Number	Pipe diameter mm	Pipe thickness mm	Fc KN	Ft KN	Fh KN
GS-76C-1600-T3	76	3.0	32	20	8.5

- The length of the numbered ground screw can be customized.
- Commonly used ground screw lengths are : 1200mm, 1600mm, 1800mm, 2000mm, 2500mm.



GS-Smart Ground Mounting System Solution

Fence and Gate



• Description

- Legal regulations: Japanese laws require that power plants with a capacity of 50KW or more must be fenced.
- Anti-crime countermeasures and insurance requirements: The insurance costs for the presence or absence of fences are different.
- Prevent accidents caused by children intruding nearby: the combiner box may cause electric shock.

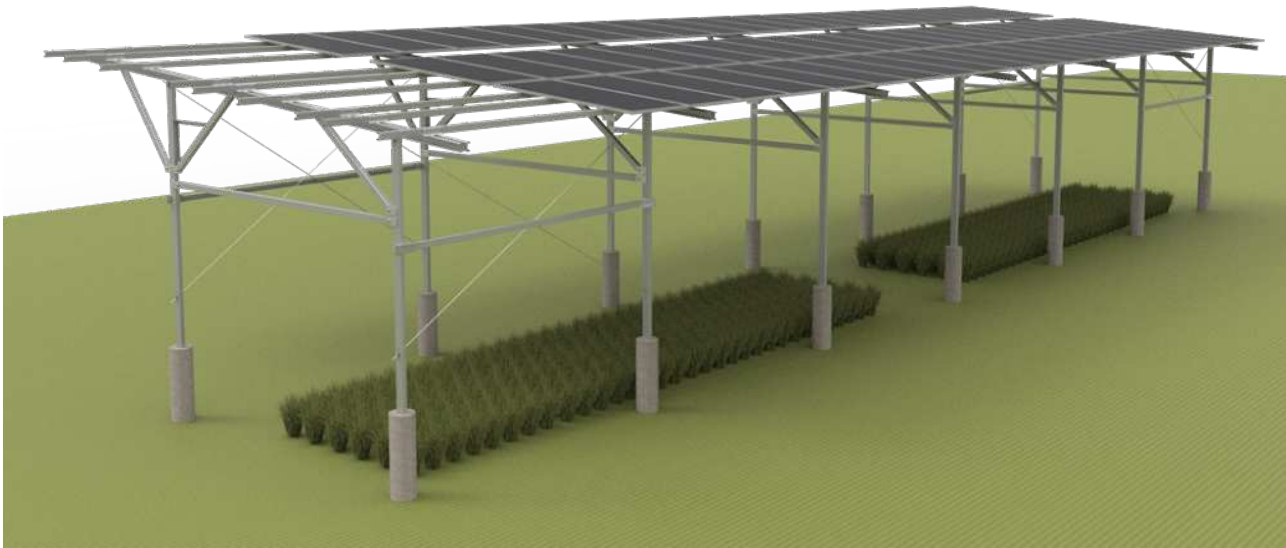
• Advantages

- It can be installed not only on flat terrain, but also on terrain with a certain angle.
- As a simple protective fence, it has obvious advantages in strength, durability and ease of construction, ensuring the best quality. The cost can also control low cost.
- In the field of ground solar power generation, it is selected by many megawatt-level cases.
- Directly buried, concrete foundation and ground screw foundation are available.
- The fence door is a pre-assembled finished product, which eliminates complicated assembly operations on site.

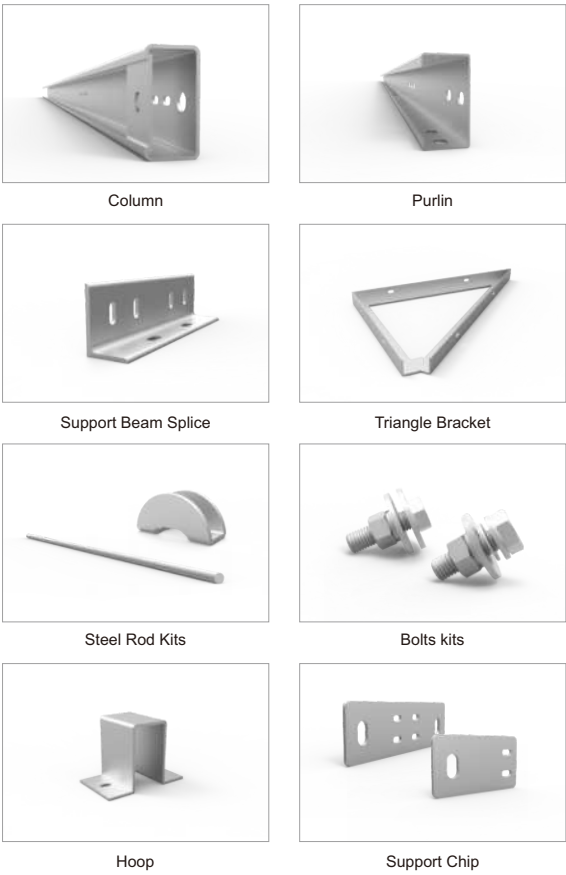
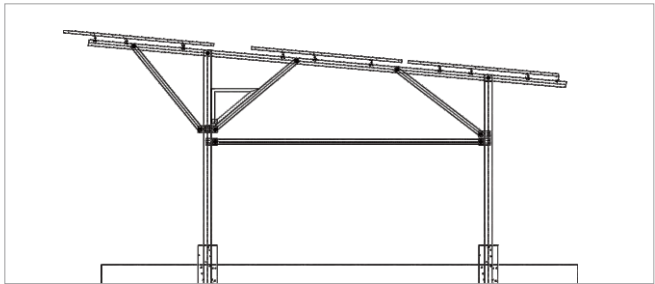


Slope Type Mounting System

Carbon steel



Installation site	Ground
Inclination	0-20°
Construction height	<4m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	Carbon steel & Alloy steel
Color	Silver or customized
Surface Treatment	Hot-dip galvanized or Aluminium-Zinc-Magnesium coated
Foundation	Concrete Foundation Ground Screw Foundation Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years

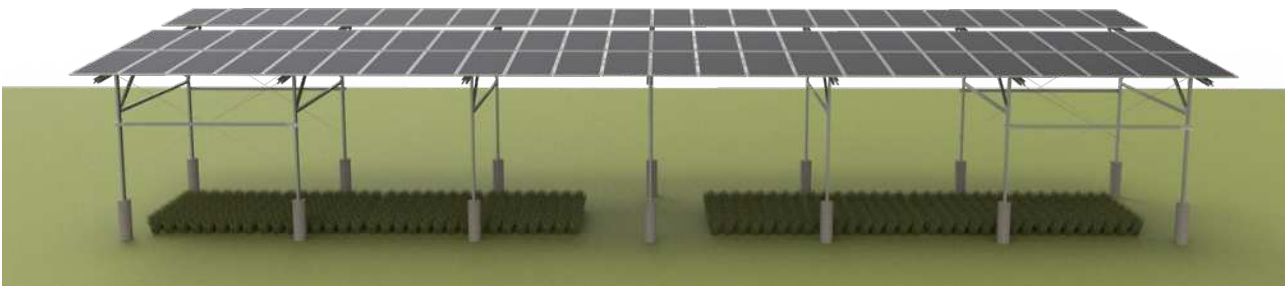


Project Information

PV MODULE INFORMATION	
Size	2384*1096*30mm
Module arrangement	3 rows, 24 columns
Number of installations	72 pcs

PV MODULE INFORMATION	
Module Inclination (in degree)	5 deg
Module Power	540W
Capacity	38880W

Arrangement



Component List

Description	Material	Specification	QTY
Column	Q235B	4515mm	7 pcs
Column	Q235B	4903mm	7 pcs
Beam	S420GD-ZM350	7500mm	14 pcs
Brace	S420GD-ZM350	1740mm	21 pcs
Brace	S420GD-ZM350	4264mm	7 pcs
Purlin	S420GD-ZM350	4960mm	20 pcs
Purlin	S420GD-ZM350	4230mm	40 pcs
Support Beam Splice	Q235B	L75*50*T5*280mm	63 pcs
Support Chip	Q235B	100*310*6mm	7 pcs
Support Chip	Q235B	100*180*6mm	21 pcs
Steel Rod	Q235B	φ 10*4440mm	8 pcs
Semicircular Gasket	Q235B	50*20*3.0*25mm	16 pcs
Hoop	Q235B	U170*120*53.25*5.0*100mm	8 pcs
Hot Rolled Angle Steel	Q235B	L100*63*6.0*280mm	8 pcs
Support Brace	S420GD-ZM350	C80*40*15*2.0*4020mm	4 pcs
Triangle Bracket	Q235B	L50*50*T4	7 pcs
Bolts kits	SUS 316	M6*25	144 pcs
Bolts kits	SUS 316	M8*25	288 pcs
Bolts kits	SUS 316	M10*35	654 pcs
Bolts kits	SUS 316	M20x45	35 pcs
Bolts kits	SUS 316	M20x110	35 pcs