

KATOOL KT-YA260 SHEET METAL QUICK REPAIR PULL

TOWER INSTRUCTION MANUAL

Product Introduction : Primary Advantages

The automotive sheet metal quick repair pull tower, known for its low investment cost, ease of operation, speed, and space-saving features, is now widely used in countries such as Europe, America, Japan, and Korea. It is well-received in car 4S shops, quick repair shops, training institutions, schools, etc.

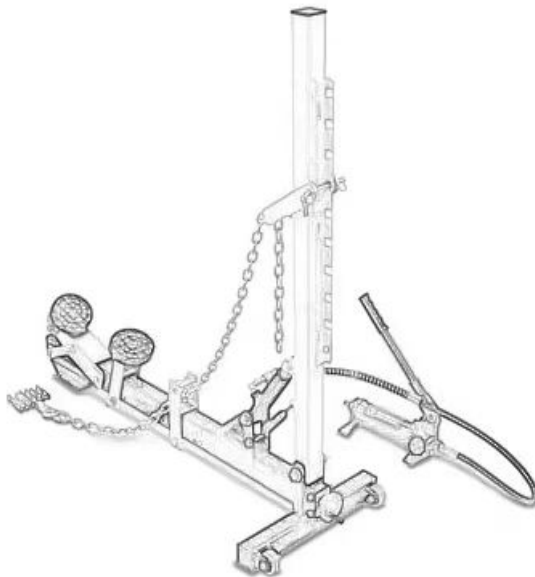
Installation Advantages

This product requires no embedding, only a standard workstation for installation. A concrete thickness of only 200mm is sufficient to easily secure the ground anchors. The standard configuration includes four round disk floating surface ground anchors fixed on a 20cm cement concrete ground. The number of ground anchors can be increased as per customer demand, facilitating vehicle repair needs.

Usage Advantages

Vehicles do not require a specialized calibration frame; the operation is simple, quick, and convenient. The calibration station can also be used for parking vehicles, dismantling, painting, etc., saving space. It is safe, convenient, fast, low-cost, and saves time and effort.

Product Parameters



(Section I)

Equipment Name: Automotive Sheet Metal Quick Repair Pull Tower

Equipment Model: Hydraulic Top Rod Pull Tower

Maximum Allowable Traction Force: 1000KG

Applicable Vehicle Types: Sedans/SUVs/Minivans, etc.

Manufacturer: JiangSu. Pioneer Limited Company

Product Overview

This product is a three-in-one repair pull tower for auto body sheet metal repair, primarily used for the repair of damages located at various parts of the car body such as the front and rear fenders, lower door sills, and left and right doors. During the

sheet metal repair process, it outputs a pulling force ranging from 0 to 1000KG, allowing for adjustments in height, angle, and position. This facilitates more efficient car body repair, enhancing repair quality, and reducing operation time, hence saving time, effort, and money. It is safe, convenient, and quick to use with a scientifically rational and standard structure that is easy to understand and operate.

Name	Quantity	Unit	Specification	Remark
Pull tower (including guide ring)	1	set		
Ground anchor (including 4 expansion bolts)	4 (standard)			Optional
Chain	1	piece	1-ton bearing capacity	
Hydraulic jack	1	set	10 tons	
Repair kit	1	set		
Single-eye stainless steel 304 pull claw	1	set	6 claws	
Single-eye stainless steel 304 pull claw	1	set	8 claws	Optional
Tightener with 1.5m 6mm chain	1	set		Optional
Skirt support rod(including regulator)	1	set		
Tire pressure plate (front, side)	1	set		
Safety rope 1.5m	1	set		

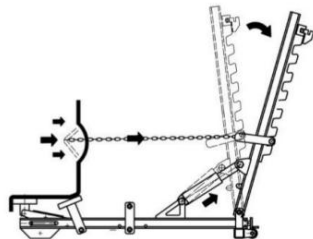
Product Features:

- 1.The product is welded from 60x60x6mm thick-walled seamless rectangular pipes, boasting high strength and capable of withstanding a maximum pulling force of 1000kg.
- 2.It serves as a power output device during the sheet metal stretching process.
- 3.Before using the product, customers need to install ground anchor seats on the sheet metal station.
- 4.Usage: Move the product to the appropriate position. Connect one end of the stretching chain to the tower column guide ring, and the other end to the car body (through sheet metal fixtures, pull claws). In the reverse direction, secure one end of the chain to the column (opposite to the stretching chain direction), and the other end

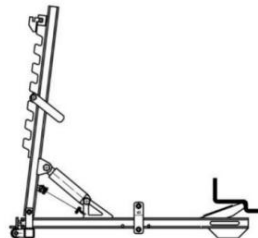
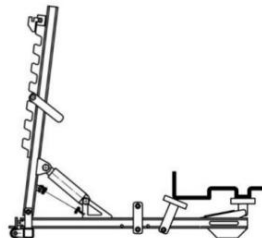
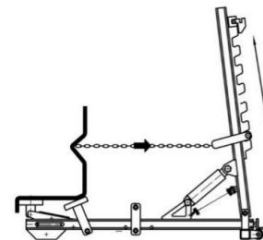
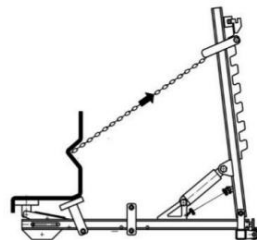
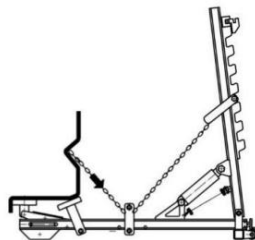
to the short chain on the ground anchor seat, forming a counterforce.

5. During the stretching process, the pull tower is not subjected to bending forces, ensuring a longer lifespan.

Working Principle:



工作示意图



(Section II)

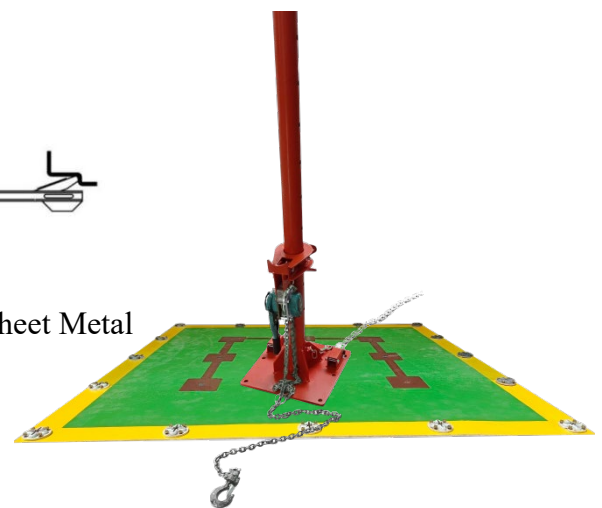
Device Name: Quick Repair Pull Tower for Auto Sheet Metal

Device Model: Hand-levered Chain Pull Tower

Maximum Allowed Pull Force: 3000KG

Applicable Vehicles: Sedans/SUVs/Minivans, etc

Manufacturer: Jiangsu Pioneer Sheet Metal.Ltd.



Product Overview

This product is a three-in-one repair pull tower for auto body sheet metal repairs, suitable for full-body stretching and repairs. It can exert a pull force ranging from 0 to 3000KG during the sheet metal repair process, with adjustable height, angle, and position, facilitating more efficient repairs, reducing the repair time, and improving

the quality of the repairs.

Name	Quantity	Unit	Specification	Remarks
Pull Tower (includes hand-levered hoist and guide ring)	1	set		
Ground Anchor (includes 4 expansion bolts)	4 (standard)	set		Optional
Chain	1	piece	3-ton load capacity	
Single-eye Stainless Steel 304 Pull Claw	1	set	6 claws	
Single-eye Stainless Steel 304 Pull Claw	1	set	8 claws	
Tightener with 1.5m 6mm chain	2	set		Optional
Safety Rope 1.5m	1	set		

1. The product is welded from 76*6mm thick-walled round seamless pipes, with high strength, able to withstand a maximum pull force of 2000kg.
2. The product is welded from 108*6mm thick-walled round seamless pipes, with high strength, able to withstand a maximum pull force of 3000kg.
3. The product is used as a power output device during the stretching process in sheet metal operations.
4. Before using the product, customers need to install ground anchor seats on the sheet metal workstation.
5. Instructions for use: Move the product to the appropriate position, connect one end of the stretching chain to the tower column guide ring and the other end to the vehicle body (through sheet metal fixtures, pull claws). Reverse and fix one end of the chain to the column (in the opposite direction of the stretching chain), and the other end to the short chain on the ground anchor seat, forming a reaction force.
6. During the stretching process, the hand-levered hoist is not subjected to bending forces, resulting in a longer lifespan.

(Section III)

Equipment Name: Auto Body Sheet

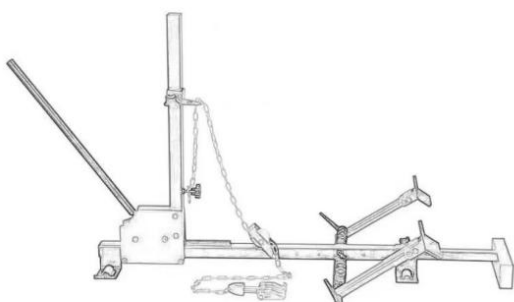
Metal Quick Repair Pull Tower

Equipment Model: Gear Rack Style

Sheet Metal Pull Tower

Maximum Allowed Pull Force: 600KG

Applicable Vehicles:



Sedans/SUVs/Minivans, etc.

Manufacturer: JiangSu Pioneer Sheet Metal Co., Ltd.

Product Overview:

This product is a three-in-one repair pull tower for auto body sheet metal maintenance, suitable for full-position body stretching and repair. It can output a pull force ranging from 0 to 6000KG during the sheet metal repair process, allowing for adjustable pull height, angle, and position, making body repairs more efficient, reducing repair time, and enhancing repair quality. ◦

Name	Quantity	Unit	Specification	Remarks
Pull Tower (including guide ring)	1	unit		
Ground Anchor (including 4 expansion bolts)	2 (standard)	sets		Optional
Chain	1	piece	1 ton bearing capacity	
Single-eye Stainless Steel 304 Pull Claw	1	set	6 claws	
Single-eye Stainless Steel 304 Pull Claw	1	set	8 claws	
1.5m 6mm Chain Tightener	1	set		Optional
Skirt Support Rod (including regulator)	1	set		
Tire Pressure Plate (front, side)	1	set		
1.5m Safety Rope	1	set		

- 1.The product is welded from 40×40×5mm thick-walled rectangular seamless pipes, offering high strength and able to withstand a maximum pull force of 600KG.
2. Used as a power output device during the sheet metal working stretching process.
- 3.Before using the product, customers need to install ground anchor seats at the sheet metal workstation.
- 4.Usage: Move the product to an appropriate position. Connect one end of the

stretching chain to the tower column guide ring and the other end to the vehicle body (through sheet metal fixtures, pull claws). Secure one end of the chain in the opposite direction on the column, and connect the other end to the short chain on the ground anchor seat, forming a reaction force.

5. During the stretching process, the pull tower is not subjected to bending forces, ensuring a longer service life.

Operating Precautions:

1. Be sure to use the high-strength chain recommended by the manufacturer.
2. The stretching force should be less than the maximum allowed pull force specified by the manufacturer.
3. During operation, warn others to maintain a safe distance.
4. When stretching, operators must not stand in a straight line with the chain to prevent safety accidents caused by chain detachment.
5. Before stretching work, ensure the pull tower is securely and reliably fixed.
6. Before stretching, connect the sheet metal fixture, chain, and reliable safe positions on the vehicle body with a safety rope to prevent the chain and pulling tools from falling off and causing safety accidents.

Product Features:

1. The product is welded from 40×40×5mm thick-walled rectangular seamless pipes, offering high strength and able to withstand a maximum pull force of 600KG.
2. Used as a power output device during the sheet metal working stretching process.
3. Before using the product, customers need to install ground anchor seats at the sheet metal workstation.
4. Usage: Move the product to an appropriate position. Connect one end of the stretching chain to the tower column guide ring and the other end to the vehicle body (through sheet metal fixtures, pull claws). Secure one end of the chain in the opposite direction on the column, and connect the other end to the short chain on the ground anchor seat, forming a reaction force.
5. During the stretching process, the pull tower is not subjected to bending forces, ensuring a longer service life.