




Product description: T 2.5MM, this metal joint use for outer diameter 28MM coated pipe

Product specification information	Material SPCC: Cold rolled mild-carbon hard steel	Thickness T:2.5	Surface treatment Electrophoresis, zinc plated, chrome plated	Connection Type M6*25 screw and nut				
Usage	The metal joint is connect with outer diameter 28MM coated pipe or SUS pipe, it can synthesize any structure.							
Application	Lean production system, logistics and transportation system, station equipment system, storage rack system, lean transformation system							
Manufacturing technique	Stamping+electroplate							
Production process	Cutting	Forming	Punching	Shaping		Cutting	Burring	Surface treatment
Punching machine						Lapping	Electrophoresis, electroplating	PVC plastic bag +carton






Raw material characteristics

The material requirement of metal joint	The requirement of steel strip: Cold rolled mild-carbon hard steel strip								
	The requirement of thickness: The steel thickness require keep $\pm 0.05\text{MM}$.								
The metal joint material's chemical composition	Cold rolled mild-carbon hard's chemical component (%)								
	C	Si	Mn	S	P	Ais	Cu	Cr	N ₁
percentage: %	0.05	0.02	0.17	0.006	0.016	0.028	0.02	0.04	0.01
Mechanical characteristics	Yield strength Y.S (Mpa)	Tensile Strength T.S (Mpa)			Elongation EL (%)			180° Bending BT	
	Rd	Rm			A50mm			d=Oa	
	358	237			45.0			OK	

(The pulling force of metal joint performance table)

Product No.	Pulling force directio	Screw clamping torque, pulling force test picture	Test point	Test standard data			
				Pulling length(mm)	Pulling speed mm/min	Screw torque(N.M)	Pulling force(kgf)
JYJ-1			1	10	20	15	90-100

Product feature of metal joint series

Feature	Description(Function	Introduction
Thickness is 2.5MM	The thickness of metal joint is $2.5 \pm 0.05\text{MM}$.	Ensure the structural strength of the product, more safe to use.	
30MM intensify the length	The length of tail of the metal joint to connect the coated pipe is 30MM.	30MM can make the metal joint have the better clamp force and pulling. It is meet the safety requirements.	
The design of long strip stiffener	There are two at the head and two at the tail of the metal joint. A jagged stiffener arranged in three columns.	It is increase the clamp force, pulling and meet the safety requirements.	
The design of circular	The edge and acute angle of metal joint adopted the humanized arc structure design.	Protecting product and user safety	
The structural design of whole transfixion transition	The stiffener transition structure of metal joint adopted the whole transfixion connection design.	Meet the requirement of carrying capacity and safety.	
The design of assembly line.	Two assembly identification lines are added to the tail of the metal joint.	Improve assembly efficiency and avoid assembly error.	