



## Thick Wall Precision Cold-Drawn Hydraulic Cylinder Pipe with DIN2391 ST45 E355 ST52 Standard

### Our Product Introduction

#### Basic Information

- Place of Origin: Jiangsu China (Mainland)
- Brand Name: Wuxi Sylaithe
- Certification: ISO
- Model Number: ST45 E355 ST52
- Minimum Order Quantity: 1 MT
- Price: Negotiable
- Packaging Details: Exporting package/wooden box package/Or per customers' requirement
- Delivery Time: 3~10 days
- Payment Terms: 30%T/T in advance or 100% L/C at sight
- Supply Ability: 8000MT/Month



#### Product Specification

- Features: Thick Wall
- Application: Hydraulic Cylinder
- Certificate: PED|ISO|BV|TUV
- Delivery Condition: Annealed|Normalized|Tempered|BK
- Product Name: Hydraulic Cylinder Pipe
- Section Shape: Round
- Standard: E355|DIN2391|ST52|ST45|ASTM A519|GB 8713-88
- Surface Treatment: Oil-dip|Varnish|Passivation|Phosphating|Shot Blasting
- Highlight: **Precision Seamless Steel Tube, Round Steel Pipes**



## Product Description

### Thick Wall Precision Cold-Drawn Hydraulic Cylinder Pipe with DIN2391 ST45 E355 ST52 Standard

#### Quick Detail:

Standards: GB 8713-88 GB/T3639-2000

Material Grade: A519 SAE1026 / A519 SAE1518 / 16Mn / 25Mn / 20# / 45# / 27SiMn / ST45 / ST52 / E355

Size(mm):

ID :45mm – 500mm

WT:3mm – 50mm

#### Description:

Standards: GB/T8713 GB/T3639

(GB/T8713 GB/T3639 DIN2391 EN10305 ASTM A519)

Grade: 27SiMn

Inside Dimensions: 45mm ~ 500mm

Wall Thickness: 3mm ~ 50mm

Length: max 24000mm

Application: Hydraulic Cylinder

Packing: Beveled/black painting/ plastic caps/ in bundles/ steel strips/ wooden protection

Inspection and Test: Chemical Composition Inspection, Mechanical Properties Test(Tensile Strength, Yield Strength, Elongation, Flaring, Flattening, Bending, Hardness, Impact Test), Surface and Dimension Test, Nondestructive Test, Hydrostatic Test.

Surface treatment: Oil-dip, Varnish, Passivation, Phosphating, Shot Blasting.

Mark: As per customers' requested.

Delivery Condition: Annealed, Normalized, Normalized and Tempered.

#### Processing Range And Precision

Cold Drawn Tubes: ID:45mm-630mm Length:14,000mm Straightness:0.3-1.0 Precision:H8-H10 Roughness:Ra0.8-Ra1.6	Honing Tubes: ID:25mm-500mm Length:10,000mm Straightness:0.3 Precision:H7-H8 Roughness:Ra0.2-Ra0.8
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#### ID Tolerance of Precision Honed Tubes

SIZE of I.D	I.D.Tolerance			Tolerance of wall thickness
	H8	H9	H10	
30	+0.0330	+0.0520	+0.0840	<div> <div>&lt;120mm(O.D)</div> <div>±5%</div> </div> <div> <div>≥120mm(D.D) to 210mm</div> <div>±7.5%</div> </div> <div> <div>&gt;210mm</div> <div>±10%</div> </div>
>30-50	+0.0390	+0.0620	+0.1000	
>50-80	+0.0460	+0.0740	+0.1200	
>80-120	+0.0540	+0.0870	+0.1400	
>120-180	+0.0630	+0.1000	+0.1600	
>180-250	+0.0720	+0.1150	+0.185	
>250-315	+0.0810	+0.1300	+0.2100	
>315-400	+0.0890	+0.1400	+0.2300	

#### Mechanical Propety

Material: 20# 45#, 16Mn St45, St52, 25Mn, 27SiMn, SAE1026, SAE1518 etc.

STANDARD: GB/T8713 GB/T3639 DIN2391 EN10305 ASTM A519

Delivery condition	cold finished(hard)(BK)		cold drawn and stress relieved(BK+S)		
	Rm MPa	Elongation (%)	Rm MPa	ReH MPa	Elongation (%)
27SiMn	≥ 800	≥ 5	≥ 760	≥ 610	≥ 10
20#	≥ 550	≥ 8	≥ 520	≥ 375	≥ 15
45#	≥ 640	≥ 5	≥ 600	≥ 520	≥ 10
16Mn	≥ 640	≥ 5	≥ 600	≥ 520	≥ 14
25Mn	≥ 640	≥ 5	≥ 600	≥ 510	≥ 15
ST45	≥ 550	≥ 5	≥ 520	≥ 375	≥ 15
E355(ST52)	≥ 640	≥ 5	≥ 600	≥ 520	≥ 14
SAE1026	≥ 640	≥ 5	≥ 600	≥ 510	≥ 15

#### Good choice for our hydraulic cylinder Tubes

1. Merge together with Europe security idea

Our whole set hydraulic cylinder system with multi-protection can protect the safety of worker & truck and cargo.

2. Specialized system configuration

Specialized system configuration that greatly improve work efficiency and reduce system weight .  
3.custom made is available  
We can design different hydraulic tubes for system applied for truck,lifting platform,hydraulic door and so on

### **Quality Control**

Our Cylinder Tubes from purchased materials, processing, assembly, have strict quality control. (we passed the certification of ISO/ BV/TUV/PED etc)

Our products are widely used in hydraulic and pneumatic power systems,petro-chemical and metallurgical fields, CNG cylinder productions and so on..

### **Product Photo**



### **Factroy Pictures**



### **Pipe & Tube Processing**





## Application

### APPLICATION



BRIDGE



POWER TRANSMISSION TOWER



BUILDING TRADES



PETROCHEMICAL INDUSTRY



AEROSPACE INDUSTRY



CONTAINER BRACKET

## Packaging & Shipping





#### Certificates



#### FAQ

**Q1: ARE YOU FACTORY OR TRADER?**

**A1:** Wuxi Sylath Special Steel Co.,Ltd is a manufacturer of steel pipe and tube since 2010. We've gained our Export Right and become an integrated company of industry and trade in order to satisfy buyer's multi-request on different material and products.

**Q2: WHICH MATERIAL/PRODUCTS YOU CAN PROVIDE?**

**A2:** Seamless Stainless Steel Pipe / Tube, Seamless Carbon Stainless Steel Pipe /Tube, Galvanized Steel Tube with any Shape and Welded pipes can also be available.

**Q3: HOW TO GET A SAMPLE?**

**A3:** FREE samples are available for your checking and testing. And to get free samples, you need to send us you detailed receiving address (including post code) and your DHL/FedEx/UPS account for collecting samples, courier cost will be paid in your side.

**Q4: CAN YOU PRODUCE THE PRODUCTS ACCORDING TO MY OWN DRAWINGS?**

**A4:** Yes, we can produce the products according to your drawings that will be most satisfy you.

**Q5: HOW TO VISIT YOUR FACTORY?**

**A5:** Most of the main cities have flights to Shanghai; you can take flight to Shanghai Putong/Hongqiao International Airport. If you come from Hongkong, it will take 2 hours by flight (every day 5 flight around noon time).



**WUXI SYLAITH SPECIAL STEEL CO.,LTD**



18921107008



sales1@slssteel.com



seamless-steel-tubes.com

