



## Honed Seamless Steel Pipe Schedule 80 A53 Carbon Steel Pipe Manufacturer

### Our Product Introduction

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#### Basic Information



#### Product Specification

- Name: Honed Seamless Pipe
- Standard: DIN2391, EN10305, ASTM A519, GB/T 3639-200
- OD: 40-480mm
- Length: Fixed Length, Random Length(3--9m)or As Requests Of Customers
- Application: Hydraulic Cylinder, Swivel Crane, Injection Machine
- Technology: Honed & SRB(SKIVED AND ROLLER BURNISHED )
- Material: Q355B Q355D C20,ST52,E355 SAE1026.CK45 4130 4140 STKM 13C
- I.D Tolerance: H8-H9
- ID Roughness: RA 0.1-0.8micron(max)
- Straightness: 0.5-1/1000
- Highlight: **a53 carbon steel pipe, schedule 80 seamless carbon steel pipe ,**



## Product Description

### Honed Seamless Steel Pipe with Tight Tolerances for Hydraulic and Pneumatic Systems

Honed seamless tube refers to a type of cylindrical metal tube that has undergone a honing process to achieve a precise inner diameter and a smooth surface finish. Honing is a machining process that involves the use of abrasive stones or tools to remove small amounts of material from the inner surface of the tube.

The honing process is typically performed after the initial manufacturing of the seamless tube. It helps to improve the dimensional accuracy, roundness, and surface quality of the tube. By removing any irregularities or imperfections on the inner surface, honing ensures a uniform diameter and a smooth finish, which can be beneficial in various applications.

### Specifications

Product Name	Honed Seamless Steel Pipe
Standard	DIN2391, EN10305, ASTM A519, GB/T 3639-200
Material	Q355B Q355D C20,ST52,E355 SAE1026.CK45 4130 4140 STKM 13C
Heat treatment	BK+S
Specification	Outer diameter(mm) : 40-480mm
I.D Tolerance	H8-H9
Length	Fixed Length, Random Length(3--9m)or as requests of customers
Straightness	0.5-1/1000
ID roughness	RA 0.1-0.8micron(max)
Payment term	FOB, CFR, CIF ,EXW, FCA and so on
MOQ	1 ton
Technology	Honed & SRB(SKIVED AND ROLLER BURNISHED )
Application:	hydraulic cylinder, swivel crane, injection machine and so on
Conservation	anti rust oiled inside and outside surface, plastic caps in both ends
Package	bundle with steel strip and knitting strip, or wooden case

Steel Grade	C	Si	Mn	P	S	Cr	Ni	Cu
20#	0.17-0.24	0.17-0.37	0.35-0.65	0.035	0.035	0.250	0.250	
45#	0.42-0.50	0.17-0.37	0.50-0.80	0.035	0.035	0.250	0.250	
Q345B	≤0.2	≤0.5	1.00-1.60	0.030	0.030	0.030	0.250	0.08
Q345D	≤0.2	≤0.5	1.00-1.60	0.030	0.030	0.250	0.250	0.15
25Mn	0.22-0.29	0.17-0.37	0.70-1.00	0.035	0.035			
27SiMn	0.22-0.32	1.10-1.40	1.10-1.40	0.035	0.035	0.300	0.300	
E355	≤0.2	≤0.55	≤1.6	0.025	0.025			
SAE1026	0.22-0.28	0.15-0.35	0.60-0.90	0.040	0.050			

Steel Grade	Rm Mpa	ReH Mpa	Elongation	cold finished Rm Mpa	cold finished Elongation
20#	≥520	≥375	≥15	≥550	≥8
45#	≥600	≥520	≥10	≥640	≥5
16Mn(Q345B /D)	≥600	≥520	≥14	≥640	≥5
25Mn	≥600	≥510	≥15	≥640	≥5
27SiMn	≥760	≥610	≥10	≥800	≥5
St45	≥520	≥375	≥15	≥550	≥5
E355(st52)	≥600	≥520	≥14	≥640	≥5
SAE1026	≥600	≥510	≥15	≥640	≥5

Working method	range	ID	H8	H9	H10
cold drawn	25-250	30-50	+0.0390	+0.0620	+0.1000
cold rolling	25-150	50-80	+0.0460	+0.0740	+0.1200
cold drawn-honed	40-250	80-120	+0.0540	+0.0870	+0.1400
cold drawn-SRB	50-250	120-180	+0.0630	+0.1000	+0.1600
cold drawn -polished	40-250	180-250	+0.0720	+0.1150	+0.1850
cold drawn-polish-SRB	50-250	as required	as required	as required	as required

### Application

Honed seamless tubes are commonly used in industries such as hydraulic and pneumatic systems, automotive, aerospace, and precision engineering. They are often used as cylinder barrels, piston rods, and other components that require precise dimensions, tight tolerances, and excellent surface quality.



- 1) All standard steel products are stocked, timely shipping as per clients request.
- 2) Lead time generally about 15-30 working days after receiving the deposit.
- 3) Standard export package,suit for all kinds of transport,or as required.
- 4) If special requirements, may need longer delivery time.
- 5) Loading port: As required.



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