

Seamless Precision Steel Tube - DIN2391-1

Steel tubes for precision applications

Part 1: Seamless cold drawn tubes - EN10305-1

Application: motor-car construction, pneumatic and hydraulic operating mechanisms.

DIN2391-1:

Mechanical Properties												
Grade	BK		BKW		BKS			GBK		NBK		
	Rm N/mm min	mi n	Rm N/mm min	min	N/ mm min	ReH N/mm min	min	N/ mm min	min	N/mm min	ReH N/mm min	min
ST35	480	6	420	10	420	315	14	315	25	340-470	235	25
ST45	580	5	520	8	520	375	12	390	21	440-570	235	21
ST52	640	4	580	7	580	420	10	490	22	490-630	355	22

Chemical Compositions(%)					
Grade	C	Si	Mn	P	S
ST35	≤ 0.17	≤ 0.35	≥ 0.40	≤ 0.050	≤ 0.050
ST45	≤ 0.21	≤ 0.35	≥ 0.40	≤ 0.050	≤ 0.050
ST52	≤ 0.22	≤ 0.55	≥ 1.60	≤ 0.050	≤ 0.050

EN10305-1:

Mechanical Properties												
Grade	+ C		+ LC		+ SR			+ A		+ N		
	Rm Mpa	A%	Rm Mpa	A%	Rm Mpa	ReH Mpa	A%	ReH Mpa	A%	Rm Mpa	ReH Mpa	A%
E215	430	8	380	12	380	280	16	280	30	290-430	215	30
E235	480	6	420	10	420	350	16	315	25	340-480	235	25
E355	640	4	580	7	580	450	10	450	22	490-630	355	22

Chemical Compositions(%)

Grade	Steel Number	C	Si	Mn	P	S	Al
E215	1.0212	≤ 0.10	≤ 0.05	≤ 0.70	≤ 0.025	≤ 0.025	≥ 0.025
E235	1.0308	≤ 0.17	≤ 0.35	≤ 1.20	≤ 0.025	≤ 0.025	/
E355	1.0580	≤ 0.22	≤ 0.55	≤ 1.60	≤ 0.025	≤ 0.025	/

Size:

- Outer Dimensions.: 6.0 mm ~ 219.0 mm
- Wall Thickness: 1 mm ~ 30 mm
- Length: max 12 meters

Protection:

- Pipes are supplied:
- Black and bear

Marking:

Pipes are supplied with marking according to standard and customer request.
 Marking is paint on the ends of pipes. The same data, as well as additional information per customer's request, is indicated on the bundle's tags.

Delivery:

Pipes are supplied in hexahedral bundles or round bundles tied with steel strip.
 Weight of bundle - up to 5000 kg upon request of customer.
 Each bundle is furnished with three tags.