

Technical information

Cylinder tubes

Chemical composition

	Steel grade	Type	Fabrication length mm	Chemical composition				
				C%	Mn%	Si%	S%	P%
Honed/Skived and roller-burnished cylinder tubes	E355+SR corresp. to St 52 BK + S	Cold drawn stress-relieved tube corresponding to EN 10305-1 or EN 10305-2 (DIN 2391 or DIN 2393) Honed/roller-burnished	5000 - 8000	max. 0.22	max. 1.60	max. 0.55	max. 0.035	max. 0.003
Bright drawn cylinder tubes	E355C corresp. to St52-3 BK	Welded cold drawn corresponding to EN 10305-2	5000 - 7000	max 0.22	max 1.60	max 0.55	max 0.025	max 0.025

Mechanical properties

	Yield strength MPa min.	Tensile strength MPa min.	Extension A ₅ % min.	Surface finish Ra	Tol Id	Tol Od	Straightness
Honed/Skived and roller-burnished cylinder tubes	515	580	15	Max. 0.4 my	H8-H10	According to EN 10305-1 or EN 10305-2	1:2000 mm or 0.8/1000
Bright drawn cylinder tubes	590	650	10	Max. 0.8 my	H9-H10	According to EN 10305-2	1:2000 mm