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***HARDOX* tubes**

Hardox tubes are wear resistant tubes with a hardness of 400 or 500 HBW and are suitable for applications exposed to abrasive wear and tear. The high strength and hardness as well as the good abrasion resistance are some of the key features of Hardox tubes.

Typical applications

These steel tubes were developed for the efficient transportation of semiliquid substances like humid concrete and are suitable for solid materials like metal shavings and glass.

Typical applications include:

- Wearing parts of pumping systems for humid concrete
- Wearing parts for mining and wood processing machines
- Transportation and processing of sand (size- and form tolerances according to EN 10219-2)
- Gravel and stone accumulation
- Transportation and processing of cereal and other agricultural products
- Digging and excavation equipment (size- and form tolerances according to EN 10219-2)

Product advantages

Constructions with HARDOX tubes allow longer lifetimes and durability of the products, more payload, less weight and increased product efficiency over the whole lifecycle. HARDOX tubes have good welding and further processing characteristics.



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Hardox tube 400

Hardest cold finished Steel tube on the market with a yield strength of 1100-1300 MPa and a tensile strength of 1250-1400 MPa. Good abrasion resistance!

- Hardness min./max. 360 – 440 HBW according to EN ISO 6506-1

D	s	kg/m	D	s	kg/m
76.2	3	5.41	139	4	13.40
				5	16.60
88.9	3	6.36		6	19.80
	4	8.38			
101.6	4	9.63	152.4	4	14.10
108	4	10.33	159	4	15.30
114.3	4	10.90		5	19.00
127	4	12.10		6	22.60
133	4	12.70	168.3	5	20.10
				6	24.00
			193.7	5	23.30
				6	27.80
			219.1	6	31.50

Hardox tube 500

Hot finished Steel tube with a yield strength of 1250 MPa and a tensile strength of 1600 MPa. Suitable for applications with inside and outside wear.

- Hardness min./max. 470 – 530 HBW according to EN ISO 6506-1

D	s	kg/m	D	s	kg/m
76.2	4	7.12	108	4	10.30
	5	8.79		5	12.70
	6	10.37		6	15.00
88.9	4	8.38	114.3	4	10.80
	5	10.34		5	13.40
	6	12.26		6	16.00
101.6	4	9.63	133	3	9.60
	5	11.91		4	12.70
	6	14.14		5	15.90
				6	19.70