

Material properties

Material	St 52-3 (Germany / DIN)
Group	Structural and constructional steels
Subgroup	DIN 1626-4 Welded steel pipes in unalloyed and low alloy steels for supply purposes, process plant and tanks
Comment	Specially tested pipes with Quality specifications; Technical conditions of delivery; DIN 1626-4 was superseded by DIN 1628 and EN 10217-1
Application	-

Yield Stress[MPa]			
Dimension	Min	Max	Approx
Welded pipes; <= 16 mm	360	-	-
Welded pipes; > 16 <= 40 mm	350	-	-

Tensile Stress[MPa]			
Dimension	Min	Max	Approx
Welded pipes; <= 16 mm	520	620	-
Welded pipes; > 16 <= 40 mm	520	620	-

Elongation A5 [%]			
Dimension	Min	Max	Approx
Welded pipes; <= 16 mm Note: Lo = 5 x d	22.0	-	-
Welded pipes; > 16 <= 40 mm Note: Lo = 5 x d	22.0	-	-

Chemical Composition [%]			
Criterion	Min	Max	Approx
C	-	0.2200	-
Si	-	0.5500	-
Mn	-	1.5000	-
P	-	0.0500	-
S	-	0.0500	-