

**DIN 2394-81 WELDED AND SIZED PRECISION STEEL TUBES**

1. Field of application

This Standard specifies the technical condition of delivery for welded and sized precision steel tubes according to DIN 2394 Part 1 made of the steel grades listed in section 5. Tubes according to this Standard are used mainly for purposes where accuracy to dimension and in some cases small wall thicknesses and a good outside surface condition are required.

Grade	Mfg. Process	Chemical composition (%)									
		C	Si	Mn	P	S	Ni	Cr	Mo	Others	
St28	W	0.13Max	-	-	0.050Max	0.050Max	-	-	-	-	①
US28											②
RSt28											③
St34-2	W	0.15Max	-	-	0.050Max	0.050Max	-	-	-	-	①
US34-2											②
RSt34-2											③
St37-2	W	0.17Max	-	-	0.050Max	0.050Max	-	-	-	-	①
US37-2											②
RSt37-2											③
St44-2	W	0.21Max	-	-	0.050Max	0.050Max	-	-	-	-	①
											②
											③
St52-3	W	0.25Max	0.55Max	1.60Max	0.040Max	0.040Max	-	-	-	-	①
											②
											③

①Welded and Sized ②Annealed ③Normalized

Grade	Material number	Tensile Test MPa or N/mm <sup>2</sup>		Remarks (Similar to JIS)
		Min Yield point	Tensile Strength	
St28	-	-	305Min	(STKM11) (STAM290G)
USt28	1.0357	-	265Min	
RSt28	1.0326	180	275~385	
St34-2	-	-	335Min	-
US34-2	1.0028	-	305Min	
RSt34-2	1.0034	205	315~410	
St37-2	1.0037	-	390Min	(STKM12)
US37-2	1.0036	-	315Min	
RSt37-2	1.0038	205	340~470	
St44-2	1.0044	-	440Min	(STKM13) (STAM390G)
		-	390Min	
		255	410~540	
St52-3	1.0570	-	540Min	(STKM19)
		-	490Min	
		350	490~630	