

component	material		techn. delivery condition	mechanical properties (minimum values)			
	material or steel grade	material number		yield strength R _{p0.2} [N/mm ²]	tensile strength R _m [N/mm ²]	elongation A ₅ [%]	charpy impact value ISO-V ④ [K ^o C]
fork end connector	GX2CrNiMoN22-5-3①	1.4470	EN 10283:2010	360	500	acc. to techn. delivery condition	
	GX2CrNiMoN25-6-3①	1.4468					
	X2CrNiMoN22-5-3	1.4462					
locking nut	GX2CrNiMoN22-5-3①	1.4470	EN 10283:2010				
	GX2CrNiMoN25-6-3①	1.4468					
	X2CrNiMoN22-5-3	1.4462					
tension rod	X2CrNiMoN22-5-3	1.4462	EN 10088-3:2014-12	460	625	acc. to techn. delivery condition	
	X2CrNiMoN22-5-3	1.4462	EN 10088-3:2014-12				
	X2CrNiMo17-12-2	1.4404	EN 10088-3:2014-12				
	X3CrNiMo13-4	1.4313	EN 10088-3:2014-12				
	X6CrNiMoTi17-12-2	1.4571	EN 10088-3:2014-12				
	X5CrNi18-10	1.4301	EN 10088-3:2014-12				
	GX2CrNiMoN22-5-3①	1.4470	EN 10283:2010				
	GX2CrNiMoN25-6-3①	1.4468	EN 10283:2010				
	X2CrNiMoN22-5-3	1.4462	EN 10088-3:2014-12				
	X2CrNiMo17-12-2	1.4404	EN 10088-3:2014-12				
coupler turnbuckle cross sleeve	X2CrNiMoN22-5-3	1.4462	EN 10088-3:2014-12	360	490	acc. to techn. delivery condition	
	X3CrNiMo13-4	1.4313	EN 10088-3:2014-12				
	X5CrNiCuNb16-4	1.4542	EN 10088-3:2014-12				
	X4CrNiMo16-5-1	1.4418	EN 10088-3:2014-12				
	S355J2 ②	1.0577	EN 10025-2:2005-04				
	X2CrNiMo17-12-2	1.4404	EN 10088-2:2014-12				
pin	X2CrNiMoN22-5-3	1.4462	EN 10088-2:2014-12	640	800	acc. to techn. delivery condition	
	X3CrNiMo13-4	1.4313	EN 10088-3:2014-12				
	X5CrNiCuNb16-4	1.4542	EN 10088-3:2014-12				
gusset plate	X2CrNiMoN22-5-3	1.4462	EN 10088-2:2014-12	≤ 16 mm → 355 > 16 mm → 345 > 40 mm → 335 > 63 mm → 325 > 80 mm → 315 > 100 mm → 295	490	acc. to techn. delivery condition	
	X355J2 ②	1.0577	EN 10025-2:2005-04				
	X2CrNiMo17-12-2	1.4404	EN 10088-2:2014-12				
circlip	X2CrNiMoN22-5-3	1.4462	EN 10088-2:2014-12	thickness	490	acc. to techn. delivery condition	
	-	1.4122	-				
		1.4034					

① in order to improve the corrosion behaviour a clean metallic surface is recommended

② S355J2 in carbon steel version

③ reduced load capacity

④ KV_{min} ≥ 27 J / -20°C

Tension rod system 460

Material properties of stainless steel / stainless steel cast components



Anlage B3