



Pregled primjenjenih novih kotlovskih materijala u ĐĐ TEP
Review of used and installed the new creep resistant steel and Ni alloys in ĐĐ TEP

Urudžbeni broj:
Doc. No.:

Red. Br. No.	WPS No:	PQR DDTEP No:	Ispitni uzorak-dimenzija i kvaliteta materijala (mm) Test coupon-dimension and quality of materials (mm)	Naziv kotla Boiler	Dio Kotla Boiler part	Napomene Remarks
1.	01-6-BW01-05	6.016	Ø38x6,3; (W.Nr.:1.4901, X10CrWMoVNb9-2 - P92)	27.4116-KW NEURATH	superheater coils parts of headers	141 - butt joint
2.	04-6-BW01-06	6.017	Ø168,3x16; (W.Nr.:1.4901, X10CrWMoVNb9-2 - P92)	27.4116-KW NEURATH	Headers of superheater and reheater Spray attemperator Steam pipeline	141+111 - butt joint
3.	11-6-BW02-02	6.019	Ø323,9x39,3; (W.Nr.:1.4901, X10CrWMoVNb9-2 - P92)	27.4116-KW NEURATH	Headers of superheater and reheater Steam pipeline	141+121 - butt joint
4.	04-6-BW02-05	6.018	Ø323,9x30; (W.Nr.:1.4901, X10CrWMoVNb9-2 - P92)	27.4116-KW NEURATH	Headers of superheater and reheater Spray attemperator Steam pipeline	141+111 - butt joint
5.	01-5/6-BW01-04	5-6.015	Ø38x6,3; (W.Nr.:1.4901,X10CrWMoVNb9-2 - P92 /W.Nr.:1.7380 10CrMo910)	27.4116-KW NEURATH	superheater coils	141 - butt joint
6.	01-6-BW01-06	6.020	Ø51x4; X12 CrCoWVNb 12-2-2- WM12	27.4116-KW NEURATH	superheater coils	141 - butt joint (martensitic)
7.	01-6-BW01-07	TÜV Approved	Ø38x5,6; W.Nr.1.7378, 7CrMoVTiB10-10 - T24	27.4116-KW NEURATH	superheater coils	141 - butt joint (bainitic)
8.	04-6-NW01-05	6.014	Ø323,9x39,3 / Ø38x6,3 (W.Nr.:1.4901, X10CrWMoVNb9-2 - P92)	27.4116-KW NEURATH	Headers of superheater and reheater	141+111 - nozzle - header joint

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9.	02-6-NW04-02	6.015	Ø323,9x39,3 / Ø38x6,3 (W.Nr.:1.4901, X10CrWMoVNb9-2 - P92)	27.4116-KW NEURATH	Headers of superheater and reheater	141a+121 - nozzle - header joint, welding by machine
10.	04-5/6-NW02-03	5-6.016	Ø323,9x39,3 / Ø76,1x8 (W.Nr.:1.4901,P92/W.Nr.:1.7380 10CrMo910)	27.4116-KW NEURATH	Headers of superheater and reheater	141+111 - nozzle - header joint
11.	01-6-FW01-02	6.021	Ø51x4 / Ø24x7 (WM12 / X10CrMoVNb9-1)	27.4116-KW NEURATH	superheater coils	141 - fillet joint (martensitic)
12.	01-5/6-FW01-06	5-6.019	Ø51x4 / Ø60x4 (WM12 / W.Nr.1.7380, 10CrMo910)	27.4116-KW NEURATH	superheater coils	141 - fillet joint (martensitic)
13.	01-5/8-BW01-01	5-8.001	Ø38x4 (10CrMo910/ W.Nr.1.4021 X20Cr13)	27.4116-KW NEURATH	Spray attemperator parts	141 - butt joint
14.	01-8/9-FW01-01	8-9.002	Ø40/Ø27x40 / Ø26x40 (W.Nr.1.4021 X20Cr13 / W.Nr.1.4571 X6CrNiMoTi17 12 2)	27.4116-KW NEURATH	Spray attemperator parts	141 - fillet joint Austenitic
15.	05-5/6-FW05-01	5-6.018	Ø40 / s=40x400 (W.Nr.1.4903 - P91 / W.Nr.1.7380, 10CrMo910)	27.4116-KW NEURATH	Suspensions	111- T joint
16.	01-6-FW01-02	6.021	Ø51x4 / Ø24x7 (WM12 / X10CrMoVNb9-1)	27.4116-KW NEURATH	superheater coils	141 - fillet joint
17.	01-5/6-FW01-06	5-6.019	Ø51x4 / Ø60x4 (WM12 / 10CrMo910)	27.4116-KW NEURATH	superheater coils	141 - fillet joint
18.	01-5/6-FW01-04	5-6.017	Ø38x5,6x200 / Ø50x5,5 (W.Nr.1.7378 7CrMoVTiB10-10/10CrMo9-10)	27.4116-KW NEURATH	superheater coils	141 - fillet joint
19.	01-6-BW01-03	6.011	Ø31,8x6,3 (7CrWVMoNb9-6 - T23)	26.0143-AMAGERVAERKET	membrane walls	141 - butt joint
20.	01-9-BW01-01	X.001	Ø42,16x3,56 (W.Nr.1.4876, X10NiCrAlTi32-30)	26.0115-LANGERBRUGGE	jet bottom	141 - butt joint Ni-alloy
21.	01-9-BW01-04	X.005	Ø42,4x7,1 (W.Nr.1.4877, X5NiCrCeNb32-27 - AC66)	26.0127-NEUMÜNSTER	superheater coils	141 - butt joint Ni alloy
22.	01-5/9-BW01-01	5-9.002	Ø42,4x7,1 (W.Nr.1.4877, X5NiCrCeNb32-27 - AC66/ W.Nr.1.7335 - 13CrMo44)	26.0127-NEUMÜNSTER	superheater coils	141 - butt joint Ni alloy

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23.	01-1-CD02-01	X.003	Ø57x6,3 / fin 6 mm (W.Nr.1.5415, 16Mo3 + cladding = W.Nr.2.4856 - INCONEL 625 - NiCr22Mo9Nb)	26.0123 ARHUS and others	membrane walls superheaters tubes	141 - cladding, overlay by hand
24.	08-1-CD02-01	X.004	Ø57x6,3 / fin 6 mm (W.Nr.1.5415, 16Mo3 + cladding = W.Nr.2.4856 - INCONEL 625 - NiCr22Mo9Nb)	26.0123 ARHUS and others	membrane walls superheaters tubes	135 - cladding, overlay by hand
25.	01.0343	work test SF-554/00	Ø38x5 (Composite tube, SANICRO 28+4L7=X1NiCrMoCuNb31-27-4+St45.8)	27.3720 Boliden	membrane walls of duct	141 - butt joint Compound tubes
26.	01.0342	work test SF-553/00	Ø44,4x5,38 (Composite tube, SANICRO 28+HT8=X1NiCrMoCuNb31-27-4+10CrMo910)	27.3719 Linkoping	Heated surface	141 - butt joint Compound tubes
27.	03.0031	Production test	Ø38x5 / Fin 6 mm (Composite tube, SANICRO 28+4L7=X1NiCrMoCuNb31-27-4+St45.8 / Fin-W.Nr.1.4401, X5CrNiMo 17-12-2)	27.3720 Boliden	membrane walls of duct	121 - membrane welding Compound tubes

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