



TMK-ARTROM S.A.

Draganesti Str. 30, Slatina, jud. OLT, Romania 230119
 Tel: +40 (249) 436862, 434640, 434641
 Fax: +40 (249) 434330, 437288
 E-mail: office.slatina@tmk-artrom.eu www.tmk-artrom.eu
 EUID: ROONRC.J28/9/1991; J28/9/31.01.1991
 VAT No. RO 1510210/1992
 Subscribed and Paid Share Capital: 291.587.538,34 lei

SEAMLESS TUBES FOR BOILER & HIGH TEMPERATURE SERVICE

Tolerances			
Standard	Outside Diameter	Wall Thickness	Weight
ASTM A 106 NF A 49-211	OD ≤ 48.3; ±0.40mm 48.3 < OD ≤ 114.3; ±0.8mm 114.3 < OD ≤ 219.1; +1.6/-0.8mm OD > 219.1; +2.4/-0.8mm	+12.5%	+10/-3.5% for any length of pipe
EN 10216-2 hot rolled	±1.0% or ±0.5mm (which is higher)	±12.5% or ±0.4mm (which is higher)	
DIN 17175 hot rolled	OD ≤ 100 ± 0.75% (minimum ±0.5mm) 100 < OD ≤ 320 ± 0.9%	OD ≤ 130; WT ≤ 2Sn; +15/-10% OD ≤ 130; 2Sn < WT ≤ 4Sn; +12.5/-10% OD ≤ 130; WT > 4Sn; ±9% 130 < OD ≤ 320; WT ≤ 0.05OD; +17.5/-12.5% 130 < OD ≤ 320; 0.05OD < WT ≤ 0.11OD; ±12.5% 130 < OD ≤ 320; WT > 0.11OD; ±10% Sn- Nominal wall thickness according to DIN 2448	+10/-8% for each tube ±7.5% for a lots over 10t
ASTM A210 hot rolled	OD ≤ 101.6 + 0.4/-0.8mm 101.6 < OD ≤ 190.5 + 0.4/-1.2mm 190.50 < OD ≤ 228.6 + 0.4/-1.6mm	OD ≤ 101.6 and WT ≤ 2.4; +40%/0 OD ≤ 101.6 and 2.4 < WT ≤ 3.8; +35%/0 OD ≤ 101.6 and 3.8 < WT ≤ 4.6; +33%/0 OD ≤ 101.6 and WT > 4.6; +28%/0 OD > 101.6 and 2.4 < WT ≤ 3.8; +35%/0 OD > 101.6 and 3.8 < WT ≤ 4.6; +33%/0 OD > 101.6 and WT > 4.6; +28%/0	+16%/0
Standard	Outside Diameter	Wall Thickness	Weight
ASTM A213 hot rolled	OD ≤ 100mm: +0.4mm / -0.8 mm 100 < OD ≤ 200mm: +0.4 / - 0.8 mm 200 < OD ≤ 225mm: +0.4mm / -1.6 mm	Average wall thickness: 10.3 < WT ≤ 73mm: +20%/-12.5% WT < 73 mm & (WT/OD) ≤ 5%: +22.5%/-12.5% WT < 73 mm & (WT/OD) > 5%: +15%/-12.5% Minim wall thickness: WT ≤ 2.4 mm (only for OD ≤ 114.3 mm): + 40 % / -0% 2.4 < WT ≤ 3.8 mm: +35 % / -0% 3.8 < WT ≤ 4.6 mm: +33% / -0% WT > 4.6 mm: +28% / -0%	-

TMK EUROPEAN DIVISION Cod: FCU-01, Ed. 3 Rev. 3/2019



API:
5CT-0440
5L-0352

LR:
ISO 9001
ISO 14001
ISO 45001

TUV:
PED/AD-2000 W0/W4
TRD 100/102
Vd TUV

TUV CPR:
EN 10210-1,2
EN 10255

LR:
DNV-GL Rules
RINA

LR:
IATF 16949



TMK-ARTROM S.A.

Draganesti Str. 30, Slatina, jud. OLT, Romania 230119

Tel: +40 (249) 436862, 434640, 434641

Fax: +40 (249) 434330, 437288

E-mail: office.slatina@tmk-artrom.eu www.tmk-artrom.eu

EUID: ROONRC.J28/9/1991; J28/9/31.01.1991

VAT No. RO 1510210/1992

Subscribed and Paid Share Capital: 291.587.538,34 lei

ASTM A213 Cold finished	OD ≤25: +0.10 mm/-0.11 mm 25<OD ≤40mm: ±0.15 mm 40<OD <50mm: ±0.20 mm 50≤OD < 65mm: ±0.25 mm 65≤OD < 75 mm: ±0.30 mm 75≤OD ≤100 mm: ±0.38 mm 100<OD ≤200mm:+0.38/-0.64 mm 200<OD ≤225mm:+0.38 /-1.14 mm	Average wall thickness: ±10% Minim wall thickness: For OD ≤38.1mm => WT = +20% / -0 For OD >38.1mm => WT= +22% / -0	
ASTM A335 hot rolled	For pipe ordered to NPS [DN] or outside diameter: 10.3<OD≤48.3mm: ±0.4 mm 48.3<OD ≤114.3mm: ± 0.8 mm 114.3<OD≤219.1 mm:+1.59 /-0.79mm 219.1<OD≤323.9mm:+2.38 mm /-0.79mm For pipe ordered to inside diameter: ±1%	10.3<WT≤73mm: +20%/-12.5% WT<73 mm & (WT/OD)≤5%: +22.5%/-12.5% WT<73 mm & (WT/OD)>5%: +15%/-12.5%	
DIN 17175 cold rolled	OD≤120±0.6%(minimum±0.25mm) OD>120±0.75%	OD ≤130; WT ≤ 2Sn; +15/-10% OD ≤130; 2Sn<WT≤4Sn; +12.5/-10% OD ≤130; WT>4Sn; ±9% 130<OD≤320; WT ≤0.05OD; +17.5/-12.5% 130<OD≤320; 0.05OD <WT≤0.11OD; ±12.5% 130<OD≤320; WT>0.11OD; ±10% Sn - Nominal wall thickness according to DIN 2448	+10/-8% for each tube ±7.5% for a lots over 10t
EN 10216-2 cold rolled	±0.5% or ±0.3mm (which is higher)	±10% or ±0.2 mm (which is higher)	
ASTM A179 and ASTM A210 cold rolled	OD<25.4; ±0.10 25.4≤OD≤38.1; ±0.15 38.1<OD<50.8; ±0.20 50.8>=OD<63.5; ±0.25 63.5>=OD<76.2; ±0.30	OD≤38.1; +20% OD>38.1; +22%	OD≤38.1; +12% OD>38; +13%

TMK EUROPEAN DIVISION Cod: FCU-01, Ed. 3 Rev. 3/2019



API:
5CT-0440
5L-0352

LR:
ISO 9001
ISO 14001
ISO 45001

TUV:
PED/AD-2000 W0/W4
TRD 100/102
Vd TUV

TUV CPR:
EN 10210-1,2
EN 10255

LR
DNV-GL Rules
RINA

LR:
IATF 16949