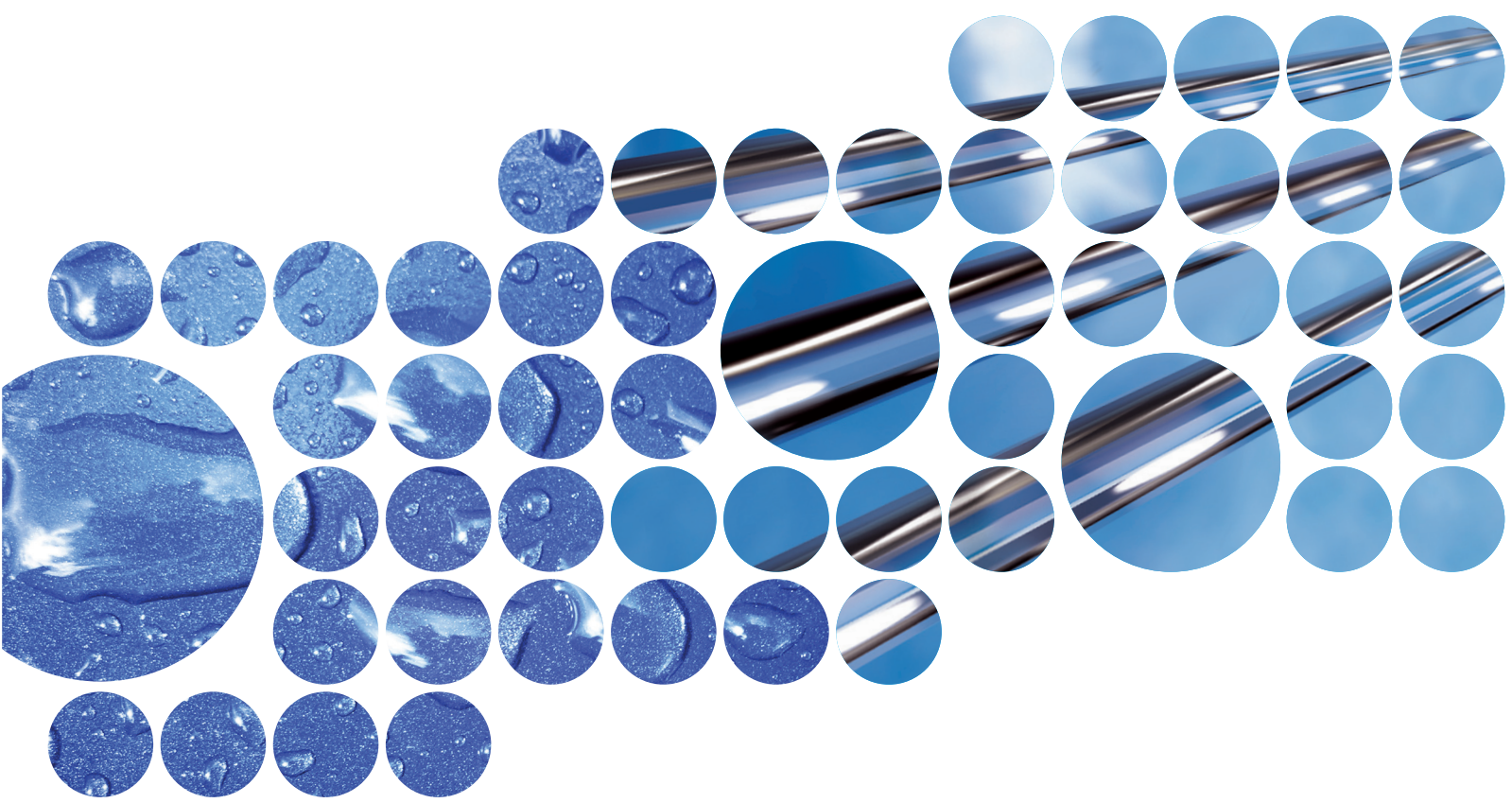




CHTPZGROUP

CHELYABINSK TUBE ROLLING PLANT • PERVOURALSK NEW PIPE PLANT



SEAMLESS STAINLESS STEEL PIPES

Chemical composition of steel grades in accordance with international standards (cont'd)

Chemical composition		DIN 17456, DIN 17458					EN 10216-5				
		1,4301	1,4306	1,4401	1,4404	1,4541	1,4301	1,4306	1,4401	1,4404	1,4541
Carbon	C	0,07	0,03	0,07	0,03	0,08	0,07	0,03	0,07	0,03	0,08
Manganese	Mn	2	2	2	2	2	2	2	2	2	2
Phosphorus	P	0,045	0,045	0,045	0,045	0,045	0,04	0,04	0,04	0,04	0,04
Sulfur	S	0,03	0,03	0,03	0,03	0,03	0,015	0,015	0,015	0,015	0,015
Silicon	Si	1	1	1	1	1	1	1	1	1	1
Chromium	Cr	17,00-19,00	18,00-20,00	16,50-18,50	16,50-18,50	17,00-19,00	17,00-19,50	18,00-20,00	16,50-18,50	16,50-18,50	17,00-19,00
Nickel	Ni	8,50-10,50	10,00-12,50	10,50-13,50	11,00-14,00	9,00-12,00	8,00-10,50	10,00-12,00	10,00-13,00	10,00-13,00	9,00-12,00
Molybdenum	Mo			2,00-2,50	2,00-2,50				2,00-2,50	2,00-2,50	
Titanium	Ti					5C-0,80					5C-0,80
Nitrogen	N						0,11	0,11	0,11	0,11	

Russian standards: GOST 9940/9941

Cold deformed	Hot deformed
Ø0,3 – 133 × 0,1 – 12 mm	Ø76 – 159 × 5 – 26 mm
Ø95 – 426 × 2 – 40 mm	Ø273 – 325 × 12 – 40 mm

Size range according to EN 10216-5

ODxWall thickness, mm	1,4301 / TP 304 08X18H10	1,4306 / TP 304L 03X18H11	1,4541 / TP 321 08X18H10T	1,4571 10X17H13M2T	1,4401/4404 / TP 316/316L 08X16H11M3/03X17H14M3	Length, m
6,00x1,00-1,20	+	+	+	+	+	1,5-10,00
8,00x1,00-2,00	+	+	+	+	+	1,5-10,00
9,00x1,00	+	+	+	+	+	1,5-10,00
10,00x1,00-1,20	+	+	+	+	+	1,5-10,00
10,20x1,00-2,00	+	+	+	+	+	1,5-10,00
12,00x1,00-2,00	+	+	+	+	+	1,5-10,00
13,50x1,00-2,90	+	+	+	+	+	1,5-10,00
14,00x1,00-2,00	+	+	+	+	+	1,5-10,00
16,00x1,00-2,00	+	+	+	+	+	1,5-10,00
17,20x1,00-3,60	+	+	+	+	+	1,5-10,00
18,00x1,00-3,60	+	+	+	+	+	1,5-10,00
19,00x1,00-3,60	+	+	+	+	+	1,5-10,00
20,00x1,00-3,60	+	+	+	+	+	1,5-10,00
21,30x1,00-4,50	+	+	+	+	+	1,5-10,00
22,00x1,00-4,50	+	+	+	+	+	1,5-10,00
25,00x1,00-4,50	+	+	+	+	+	1,5-10,00
25,40x1,00-4,50	+	+	+	+	+	1,5-10,00
26,90x1,00-4,50	+	+	+	+	+	1,5-10,00
30,00x1,00-4,50	+	+	+	+	+	1,5-10,00
31,80x1,00-6,30	+	+	+	+	+	1,5-10,00
32,00x1,00-6,30	+	+	+	+	+	1,5-10,00
33,70x1,00-6,30	+	+	+	+	+	1,5-10,00
35,00x1,00-6,30	+	+	+	+	+	1,5-10,00
38,00x1,00-7,10	+	+	+	+	+	1,5-10,00
40,00x1,00-7,10	+	+	+	+	+	1,5-10,00
42,40x1,00-7,10	+	+	+	+	+	1,5-10,00
44,50x1,00-7,10	+	+	+	+	+	1,5-10,00
48,30x1,00-7,10	+	+	+	+	+	1,5-10,00
51,00x2,30-7,10	+	+	+	+	+	1,5-10,00
54,00x2,90-7,10	+	+	+	+	+	1,5-10,00
57,00x2,90-8,00	+	+	+	+	+	1,5-10,00
60,30x3,20-8,00	+	+	+	+	+	1,5-10,00
63,50x3,60-8,00	+	+	+	+	+	1,5-10,00
70,00x3,60-8,00	+	+	+	+	+	1,5-10,00
76,10x3,60-8,00	+	+	+	+	+	1,5-10,00

* It is possible to produce other dimensions on agreement with customer.

Size range according to ASTM A312 / ASTM A213

ODxWall thickness, mm	1,4301 / TP 304 08X18H10	1,4306 / TP 304L 03X18H11	1,4541 / TP 321 08X18H10T	1,4401/4404 / TP 316/316L 08X16H11M3/03X17H14M3	Length, m
10,29x1,24-2,41	+	+	+	+	1,5-10,0
13,72x1,65-3,02	+	+	+	+	1,5-10,0
17,15x1,65-3,20	+	+	+	+	1,5-10,0
21,34x1,65-3,73	+	+	+	+	1,5-10,0
26,67x1,65-3,91	+	+	+	+	1,5-10,0
33,40x1,65-4,55	+	+	+	+	1,5-10,0
42,16x1,65-4,85	+	+	+	+	1,5-10,0
48,26x1,65-5,08	+	+	+	+	1,5-10,0
60,33x1,65-5,54	+	+	+	+	1,5-7,0
73,03x2,11-7,01	+	+	+	+	1,5-7,0
88,90x2,11-7,62	+	+	+	+	1,5-7,0
101,60x2,11-8,08	+	+	+	+	1,5-7,0
114,30x2,11-8,56	-	-	-	-	1,5-7,0
141,30x2,77-9,53	-	-	-	-	1,5-7,0
168,30x2,77-10,97	+	+	+	-	1,5-7,0
219,10x2,77-12,70	+	+	+	-	1,5-7,0
273,00x3,40-12,70	+	+	+	-	1,5-7,0
323,85x3,96-12,70	+	+	+	-	1,5-7,0

* It is possible to produce other dimension on agreement with customer.

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