

STEEL GRADES

Grade	STANDARDS		CHEMICAL COMPOSITION (nominal), %					PRE (nominal)	MECHANICAL PROPERTIES		
	ASTM TP UNS	EN steel no.	C	Cr	Ni	Mo	Others		Proof strength R _{p0.2} MPa min.	Tensile strength R _m MPa	Elong. A %
Sandvik 3R60™	316/316L	1.4435	≤0.030	17.5	13	2.6	-	27	220	515	45
Sandvik 5R75	316Ti	1.4571	0.05	17	12	2.1	Ti	24	220	510	45
Sandvik 2RK65™	N08904	1.4539	≤0.020	20	25	4.5	Cu	36	230	520	35
Sanicro™ 28	N08028	1.4563	≤0.020	27	31	3.5	Cu	39	220	550	40
Sanicro™ 60	N06625	2.4856	≤0.025	21.5	60	8.3	-	48	276	690	30
Sandvik 254 SMO™	S31254	1.4547	≤0.020	20	18	6.1	N,Cu	43	310	655	35
Sandvik SAF 2507™	S32750	1.4410	≤0.030	25	7	4	N	43	550	800	25

* 254 SMO is a trademark owned by Outokumpu OY.

TOLERANCE

METRIC/IMPERIAL SIZES

SANDVIK 3R60™ OD <6 mm, TOLERANCES ACCORDING TO ASTM A632

Size OD, mm	Tolerances OD, mm	Wall thickness %
<2.38	+0.05/-0	+/-10
<4.77-2.38	+0.08/-0	+/-10
<6-4.77	+0.10/-0	+/-10

SANDVIK 3R60™, SANDVIK 5R75, SANDVIK 254SMO™, SANDVIK 2RK65™, SANICRO™ 60, SANICRO™ 28, OD 6-50 MM EN 10305-1

Size OD, mm	Tolerances OD, mm	Wall thickness %
6-30	+/-0.08	+/-10
32-40	+/-0.15	+/-10
42	+/-0.20	+/-10

SANDVIK SAF 2507™

Size OD, mm	Tolerances OD, mm	Wall thickness %
≤19,05	+/- 0,13	10%

FIXED LENGTHS

6000 -0/+5 mm

STRAIGHTNESS

Maximum deviation from a straight line = 1,5 mm/1000mm.

OVALITY

Ovality is calculated as OD_{MAX} - OD_{MIN}
Max allowed is 0.005", (0.127 mm) for OD < 30 mm.
For OD > 30 mm, max allowed is same as OD tolerances
according to EN 10305-1

STANDARDS

Sandvik 3R60™

ASME/ASTM SA/A-213 AW
ASTM A-269
ASTM A-1016
EN 10216-5 TC-1
ISO EN 3651-2 A
EN 10305-1 (Only Tolerances
- Table 5)
PED /2014/68/EU

Sandvik 5R75

ASTM A-1016
EN 10216-5 TC-1
ISO EN 3651-2 A
EN 10305-1 (Only Tolerances
- Table 5)
PED /2014/68/EU

Sandvik 254 SMO™

ASME/ASTM SA/A-213 AW
ASTM A 269
ASTM A-1016
EN 10216-5 TC-1
EN 10305-1 (Only Tolerances
- Table 5)
PED /2014/68/EU
NORSOK M630, MDS R18

Sandvik 2RK65™

ASTM A-213/A-269
ASTM A-1016/A-999
EN 10216-5 TC-1
ISO EN 3651-2 C
EN 10305-1 (Only Tolerances
- Table 5)
PED /2014/68/EU
NACE MR 0175/ISO 15156

Sanicro 28

ASTM B668
ASTM B829
EN 10216-5 TC-1
EN 10305-1 (Only Tolerances
- Table 5)
PED /2014/68/EU
NACE MR 0175/ISO 15156

Sandvik SAF 2507™

ASTM A-789
ASTM A-1016
EN 10216-5 TC-1
PED /2014/68/EU
NORSOK M630, MDS D58
NACE MR 0175/ISO 15156

Sandvik Sanicro™ 60

ASME/ASTM SB/B 444
ASTM B-829
PED /2014/68/EU
Grade 2

COILED TUBING – STANDARD SIZE RANGE

IMPERIAL SIZES

Size, inch		Single coil length *, ft
1/8	x .020	1,300
	x .028	1,300
	x .035	1,300
	x .049	1,300
3/16	x .020	1,000
	x .028	950
	x .035	750
	x .049	600
1/4	x .035	2,005
	x .049	1,528
	x .065	1,256
3/8	x .035	1,267
	x .049	941
	x .065	749
	x .083	612
1/2	x .035	927
	x .049	681
	x .065	534
5/8	x .035	446
	x .049	325
	x .065	253
3/4	x .035	367
	x .049	266
	x .065	207

* Minimum guaranteed length for TP 316/316L.

METRIC SIZES

Size, mm		Single coil length *, m
3.0	x 0.5	400
	x 0.75	400
	x 1.0	400
3.5	x 0.5	400
	x 0.75	400
	x 1.0	350
4.0	x 0.5	350
	x 0.75	350
	x 1.0	300
6.0	x 1.0	594
	x 1.2	515
	x 1.5	440
8.0	x 1.0	424
	x 1.2	364
10.0	x 1.0	330
	x 1.2	281
12.0	x 1.5	233
	x 2.0	182
	x 1.0	270
	x 1.2	229
	x 1.5	188
	x 2.0	146

Sizes above 12 mm – please inquire.

STEEL GRADES

Grade	ASTM	UNS	EN, steel no.
Sandvik 3R12	304/	S30400/	1.4306/
	304L	S30403	1.4301
Sandvik 3R60™	316/	S31600/	1.4435
	316L	S31603	
Sandvik 3R65	316/	S31600/	1.4404
	316L	S31603	
Sandvik 6R35	321/	S32100/	1.4541/
	321H	S32109	1.4940
Sandvik 5R75	316Ti	S31635	1.4571
Sandvik 8R40	347/	S34700/	1.4550/
	347H	S34709	1.4912
Sandvik SAF 2205™		S31803/	1.4462
		S32205	17,162
Sandvik SAF 2304™		S32304	1.4362
Sandvik SAF 2507™		S32750	1.4410
Sandvik 2RK65™		N08904	1.4539
Sanicro™ 28		N08028	1.4563
Sanicro 30	Alloy 800	N08800	1.4558
Sanicro 41	Alloy 825	N08825	
Sanicro 70	Alloy 600	N06600	
		N04400	
		N02200	

STANDARDS

ASTM: A213, A269, B163, B167, B668, A632, A789, A790

ASME: SA213, SB163, SB167, SB 668, SA789, SA790

NACE: MR 0175

EN: 10216-5 TC1

Eddy Current or hydrostatic test at option of Sandvik.

