



**BLUMET**

Tubes Private Limited

# PRODUCT CATALOGUE

**Seamless Steel Pipe Tube  
for General Applications**

- Austenitic Stainless Steel
- Duplex, Superduplex Grades
- Ni-Alloys



BLUMET  
TUBES PVT. LTD.



**BLUMET**  
Tubes Private Limited

## Index.....

Introduction	1
Products	2-3
Size Chart	4
Stainless Steel Standard	5
Stainless Steel Grade Equivalent	6
Nickel Alloy Standard	7
Nickel Alloy Grade Equivalent	8-9
Tolerance	10
Quality Control / Testing	11
Shutdown Service	12



**BLUMET**  
Tubes Private Limited

## Company Profile

- Our Motto Is Simple Commitment Towards Quality.

**BLUMET TUBES PRIVATE LIMITED - A KOBS INDIA GROUP CO.** is a leading Producer and Stockholder of cold drawn Seamless Stainless Steel, Duplex, Titanium and Nickel alloy, Heat exchanger, Instrumentation, Hydraulic and Mechanical Pipe Tube in Kadi, Gujarat, INDIA.

We're operating at a 1,92,000 square Ft. facility, we utilize cold pilger mills and cold draw benches to produce highest quality standards with fully equipped lab and inspection facilities to ensure the fulfillment specifications of each client.

Being a **PED, ISO 9001:2015, OHSAS 18001:2007 & ISO 14001:2015** approved our clients are assured of the highest quality of products. We constantly endeavor to improve our quality to achieve highest-quality satisfaction and also to minimize our footprint on the environment.

With years of experience and huge inventory in Stainless steel, Special Stainless Steel, Duplex, Super Duplex and Nickel Alloys enables us to serve our customers better with short lead times and best of quality. We realize that for highly specialized products, human brilliance is required along with technology to achieve specialized products. In this fast-emerging global market there is a constant need of innovation to satisfy the varied needs of various industries so we maintain a proactive approach to come up with new products, to achieve tailored requirements of our clients.

Our esteemed clients are certain that they can rely on us for their highly complex needs, and it is this confidence that motivates us to move forward. We strive to give the best of both worlds by providing quality solutions to our customer's along with the most competitive prices, and this is what gives our company an edge over our competitors.



## Products

### Seamless Stainless Steel Tubes & U Tubes (High Precision & Heat Exchanger Tubing) - Annealed & Pickled

Products Range -

Outside Diameter :	6.00 mm to 101.60 mm
Wall Thickness :	0.70 mm to 8.00 mm
Grades :	TP 304/L/H, TP 310/L/H/S, TP 310 MoLN TP 316/L/H/Ti, TP 317/L, TP 321/H, TP 347/H, 904L UNS S31500, 31803, 32205, 32750, 32760
Specification :	ASTM, ASME, DIN EN (GERMAN), NF (AFNOR), JIS (JAPAN).



**Application :**

- Heat Exchangers
- Chemical & Petrochemical
- Gas Industry
- Nuclear Power Generation
- Pressure Vessels
- Marine Equipments
- Food Processing
- Automotive
- Aerospace



### Seamless Stainless Steel Tubes & U Tubes (Hydraulic & Instrumentation Tubing) - Bright Annealed

Products Range -

Outside Diameter :	6.00 mm to 60.00 mm
Wall Thickness :	0.70 mm to 8.00 mm
Grades :	TP 304/L/H, TP 310/L/H/S, TP 310 MoLN TP 316/L/H/Ti, TP 317/L, TP 321/H, TP 347/H, 904L UNS S31500, 31803, 32205, 32750, 32760
Specification :	ASTM, ASME, DIN EN (GERMAN), NF (AFNOR), JIS (JAPAN).

**Application :**

- Oil & Gas Extraction
- Chemical & Petrochemical
- Nuclear Power
- Food & Beverage Processing
- Automotive
- Aerospace



**BLUMET**  
Tubes Private Limited

## Products

### Seamless Stainless Steel Pipes - Annealed & Pickled

Products Range -

Outside Diameter	3/8" NPS to 16" NPS (Upto 4" NPS from our Own Hot Production)
Wall Thickness :	Sch 5S to Sch XXS
Grades :	TP 304/L/H (304L : 8% Ni and 10% Ni), TP 310/L/H/S, TP 310 MoLN, TP 316/L/H/Ti (316L: 10% Ni and 11% Ni), TP 317/L, TP 321/H, TP 347/H, 904L, UNS S 31500, 31803, 32205, 32750, 32760.
Specification :	ASTM, ASME, DIN EN (GERMAN)



#### Applications :

- › Onshore and Offshore Oil and Gas Production, Exploration and Transport (OCTG - Oil Country Tubular Goods)
- › Chemical & Petrochemical
- › Energy and Power Generation
- › Mechanical and Plant Engineering
- › Liquefaction Projects
- › Ship Building

### Seamless High Nickel Alloy Pipes Tubes & U Tubes (Annealed - Pickled & Bright)

Products Range -

Outside Diameter	12.70 mm to 114.30 mm
Wall Thickness :	0.70 mm to 12.70 mm
Grades :	NI 200/201, Monel 400, Inconel 600/601, 625, Hastelloy C22/C276, Alloy 800/H/HT/, 825
Specification :	ASTM, ASME, DIN EN (GERMAN),

#### Applications :

- › Heat Exchangers, Condensers & Pressure Vessels
- › Chemical & Petrochemical
- › Gas Energy
- › Power Generation
- › Pressure Vessels
- › Pulp & Paper
- › Marine Equipments
- › Food & Beverage Processing
- › Automotive





**TUBE SIZE CHART**

ACCORDING TO SWG & BWG									
OUTSIDE DIAMETER		THICKNESS			OUTSIDE DIAMETER		THICKNESS		
INCH	MM	SWG	INCH	MM	INCH	MM	BWG	INCH	MM
3/8"~TO~4"	9.53 MM ~TO~101.6 MM	22	0.028	0.71	3/8"~TO~4"	9.53 MM ~TO~101.6 MM	22	0.028	0.71
		21	0.032	0.81			21	0.032	0.81
		20	0.036	0.91			20	0.035	0.89
		19	0.040	1.02			19	0.042	1.07
		18	0.048	1.22			18	0.049	1.24
		17	0.056	1.42			17	0.058	1.47
		16	0.064	1.63			16	0.065	1.65
		15	0.072	1.83			15	0.072	1.83
		14	0.080	2.03			14	0.083	2.11
		13	0.092	2.34			13	0.095	2.41
		12	0.104	2.64			12	0.109	2.77
		11	0.116	2.95			11	0.120	3.05
		10	0.128	3.25			10	0.134	3.40
		9	0.144	3.66			9	0.148	3.76
8	0.160	4.06	8	0.165	4.19				

LEGENDS : SWG= STANDARD WIRE GAUGE, BWG= BIRMINGHAM WIRE GAUGE

ID (INSIDE DIAMETER) = OD-(THICK\*2)

NON-STANDARD TUBES ARE AVAILABLE ON REQUEST

\* TUBES ARE OFFERED AS MACHINED ON EXTERNAL SURFACE AND WITH RANDOM LENGTH (SRL/DRL).

**PIPE SIZE CHART**

ACCORDING TO ASME / ANSI B36.19M & B36.10M																			
OUTSIDE DIAMETER		SCH 5S	SCH 5	SCH 10S	SCH 10	SCH 20	SCH 30	SCH 40S	SCH STD	SCH 40	SCH 60	SCH 80S	SCH XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	SCH XXS
DN	NPS	OD	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK	THICK
MM	INCH	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
6	1/8"	10.3	-	-	1.24	-	-	1.73	1.24	-	-	2.41	1.24	-	-	-	-	-	-
8	1/4"	13.7	1.20	-	1.65	1.65	-	1.85	2.24	2.24	2.24	-	3.02	3.02	3.02	-	-	-	-
10	3/8"	17.1	1.20	-	1.65	1.65	-	1.85	2.31	2.31	2.31	-	3.20	3.20	3.20	-	-	-	-
15	1/2"	21.3	1.65	1.65	2.11	2.11	-	2.41	2.77	2.77	2.77	-	3.73	3.73	3.73	-	-	-	4.78
20	3/4"	26.7	1.65	1.65	2.11	2.11	-	2.41	2.87	2.87	2.87	-	3.91	3.91	3.91	-	-	-	5.56
25	1"	33.4	1.65	1.65	2.77	2.77	-	2.90	3.38	3.38	3.38	-	4.55	4.55	4.55	-	-	-	6.35
32	1-1/4"	42.2	1.65	1.65	2.77	2.77	-	2.97	3.56	3.56	3.56	-	4.85	4.85	4.85	-	-	-	6.35
40	1-1/2"	48.3	1.65	1.65	2.77	2.77	-	3.18	3.68	3.68	3.68	-	5.08	5.08	5.08	-	-	-	7.14
750	2"	60.3	1.65	1.65	2.77	2.77	-	3.18	3.91	3.91	3.91	-	5.54	5.54	5.54	-	-	-	8.74
65	2-1/2"	73.0	2.11	2.11	3.05	3.05	-	4.78	5.16	5.16	5.16	-	7.01	7.01	7.01	-	-	-	9.53
80	3"	88.9	2.11	2.11	3.05	3.05	-	4.78	5.49	5.49	5.49	-	7.62	7.62	7.62	-	-	-	11.13
90	3-1/2"	101.6	2.11	2.11	3.05	3.05	-	4.78	5.74	5.74	5.74	-	8.08	8.08	8.8	-	-	-	-
100	4"	114.3	2.11	2.11	3.05	3.05	-	4.78	6.02	6.02	6.02	-	8.56	8.56	8.56	-	11.13	-	13.49
115	4-1/2"	127.0	-	-	-	-	-	6.27	6.27	6.27	6.27	-	9.02	9.02	9.02	-	-	-	18.03
125	5"	141.3	2.77	2.77	3.40	3.40	-	6.55	6.55	6.55	6.55	-	9.53	9.53	9.53	-	12.70	-	15.88
150	6"	168.3	2.77	2.77	3.40	3.40	-	7.11	7.11	7.11	7.11	-	10.97	10.97	10.97	-	14.27	-	18.26
-	7"	193.7	-	-	-	-	-	7.65	7.65	7.65	7.65	-	12.70	12.70	12.70	-	-	-	22.23
200	8"	219.1	2.77	2.77	3.76	3.76	6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01
-	9"	244.5	-	-	-	-	-	8.69	8.69	8.69	8.69	-	12.70	12.70	12.70	-	-	-	-
250	10"	273.1	3.40	3.40	4.19	4.19	6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58
300	12"	323.9	3.96	3.96	4.57	4.57	6.35	8.38	9.53	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58
350	14"	355.6	3.96	3.96	4.78	6.35	7.92	9.53	9.53	9.53	11.13	15.09	12.70	12.70	19.05	23.83	27.79	31.75	35.71
400	16"	406.4	4.19	4.19	4.78	6.35	7.92	9.53	9.53	9.53	12.70	16.66	12.70	12.70	21.44	26.19	30.96	36.53	40.49

LEGENDS : DN= DIAMETER NOMINAL, NB = NOMINAL BORE, NPS = NOMINAL PIPE SIZE, SCH = SCHEDULE.

ID (INSIDE DIAMETER) = OD-(THICK\*2)

NON-STANDARD PIPES ARE AVAILABLE ON REQUEST.

\* PIPES ARE OFFERED AS MACHINED ON EXTERNAL SURFACE AND WITH RANDOM LENGTH (SRL/DRL).



## ASTM / ASME – STAINLESS STEEL STANDARDS

ASTM A213 / A213M	Standard specification for seamless ferritic and austenitic alloy-steel boiler, superheater, and heat-exchanger tubes
ASTM A268 / A268M	Standard specification for seamless and welded ferritic and martensitic stainless steel tubing for general service
ASTM A269 / A269M	Standard specification for seamless and welded austenitic stainless steel tubing for general service
ASTM A312 / A312M	Standard specification for seamless, welded, and heavily cold worked austenitic stainless steel pipes
ASTM A376 / A376M	Standard specification for seamless austenitic steel pipes for high-temperature central-station service
ASTM A511	Standard specification for seamless stainless steel mechanical tubing and hollow bars
ASTM A789 / A789M	Standard specification for seamless and welded ferritic/austenitic stainless steel tubing for general service
ASTM A790 / A790M	Standard specification for seamless and welded ferritic/austenitic stainless steel pipes
ASME SA 213 / SA 213M	Standard specification for seamless ferritic and austenitic alloy-steel boiler, superheater, and heat-exchanger tubes
ASME SA 268 / SA 268M	Standard specification for seamless and welded ferritic and martensitic stainless steel tubing for general service
ASME SA 312 / SA 312M	Standard specification for seamless and welded austenitic stainless steel pipes
ASME SA 376 / SA 376M	Standard specification for seamless austenitic steel pipes for high-temperature central-station service
ASME SA 789 / SA 789M	Standard specification for seamless and welded ferritic/austenitic stainless steel tubing for general service
ASME SA 790 / SA 790M	Standard specification for seamless and welded ferritic/austenitic stainless steel pipes

## EUROPEAN NORMS / EN – STAINLESS STEEL STANDARDS

EN 10216-5	Seamless steel tubes for pressure purposes. Stainless steel tubes
EN 10294-2	Hollow bars for machining. Stainless steels with specified machinability properties
EN 10297-2	Seamless circular steel tubes for mechanical and general engineering purposes. Stainless steel
DIN 17456	Seamless circular stainless steel tubes with general quality requirements
DIN 17458	Seamless circular austenitic stainless steel tubes subject to special requirements
DIN 17459	Seamless circular high-temperature austenitic steel tubes
DIN 28180-85	Seamless steel tubes for tubular heat-exchangers
NF A 49-117	Steel tubes. Seamless plain end tubes for pipelines and other uses. Ferritic and austenitic stainless steels
NF A 49-217	Steel tubes. Seamless tubes for heat-exchangers. Stainless ferritic, austenitic and ferritic-austenitic steel grades
NF A 49-317	Steel tubes. Seamless steel plain-end mechanical tubing. Austenitic stainless steel

## GOST – STAINLESS STEEL STANDARDS

GOST 10498-82	Specific thin-walled corrosion resistant seamless steel tubes
GOST 14162-79	Small-sized (capillary) steel pipes
GOST 19277-73	Seamless steel tubes for oil and fuel lines
GOST 9940	Hot-finished seamless tubes of corrosion resistant steel grades
GOST 9941	Cold-finished and warm-finished seamless tubes of corrosion resistant steel grades

## GRADE EQUIVALENTS - STAINLESS STEEL

ASTM (USA)	UNS (USA)	B.S. (UK)	EN/DIN (Germany)	AFNOR (France)	UNI (Italy)	SS (Sweden)	JIS (Japan)	JIS (Korea)
<b>Austenitic - General Service and Wet Corrosion</b>								
304	S30400	304S31 / 304S15	1.4301	Z7 CN 18-09 / Z6 CN 18-09	X5CrNi18 10	2333	SUS 304	STS 304
304L	S30403	304S11	1.4306	Z2 CN 18-10	X2CrNi18 II	2332	SUS 304L	STS 304L
			1.4307	Z3 CN 18-10				
304LN	S30453	304S61	1.4311	Z3 CN 18-10 Az		2371	SUS 304LN	STS 304LN
316	S31600	316S31	1.4401	Z7 CND 37577	X5CrNiMo 17 12	2347	SUS 316	STS 316
		316S33 /	1.4436	Z7 CND 37973	X5CrNiMo 17 13	2343		
316L	S31603	316S11 /	1.4404	Z7 CND 17-11-02 /	X5CrNiMo	2348	SUS 316L	STS 316L
		316S14 /		Z3 CND 18-12-02	17 12			
		316S13 /	1.4435	Z3 CND	X2CrNiMo	2353		
316N	S31651	-	-	-	-	-	-	-
316LN	S31653	316S61	1.4406	Z3 CND		-	SUS 316LN	STS 316LN
316Ti	S31635	320S31	1.4571	Z6 CNDT 17-02-02	X6CrNiMo Ti 17 13	2350	SUS 316Ti	STS 316Ti
316H	S31609	316S52	1.4401 / 1.4919	Z6 CNDT 17-02-02	X8CrNiMo 17 12	-	-	-
321	S32100	321S31	1.4541	Z6 CNT 18-10	X6CrNiTi18 11	2337	SUS 321	STS 321
317	S31700	317S16	1.4449	-		-	SUS 317	-
317L	S31703	317S12	1.4438	Z3 CND 19-15-04	-	2367	SUS 317L	-
347	S34700	347S31	1.455	Z6 CNNb 18-10	X6CrNiNb	2338	SUS 347	STS 347
904L	N08904	904S13	1.4539	Z6 NCDU 25-20	-	2562	-	STS 317J5L
<b>Duplex - General Service and Wet Corrosion</b>								
-	S31803	-	1.4462	Z2 CND 22-05 Az	-	2377	-	-
-	S32205	318S13	1.4462	Z3 CND 22-05 Az	-	2377	SUS 329J3L	STS 329J3L
<b>Super Duplex - General Service and Wet Corrosion</b>								
-	S32750	-	1.4410	-	-	-	-	-
-	S32760	-	1.4410	-	-	-	-	-
<b>Austenitic - Heat Resistant</b>								
304H	S30409	304S51	1.4948	Z6 CN 18-09	X8CrNi 18 10	2333	SUS 304	STS 304
321H	S32109	321S51	1.4878	Z6 CNT 18-10	X8CrNiTi	2337	SUS 321	
347H	S34709	347S51	-	-	18 11 X8CrNiNb 18 11	2347	-	-
310S	S31008	310S16 / 310S24	1.4845	Z6 CN 25-20 / Z12 CN 25-20	X6CrNi 2520	2361	SUS 310S	STS 310S
310H	S31009	-	-	-	-	-	-	-
314	S31400	-	1.4841	Z15 CNS 25-20	-	-	-	-
<b>Urea Grades</b>								
316L UG	S31603		1.4435		X2CrNiMo18-14-3			
310 MoLN	S31050		1.4466 / 1.4465		X1 CrNiMoN 25-22-2			
	S32906		1.4477		X2CrNiMoN 29-7-2 a			



### ASTM / ASME – NICKEL ALLOY STANDARDS

ASTM B407 / ASME SB 407	Standard specification for nickel-iron-chromium alloy seamless pipes and tubes
ASTM B423 / ASME SB 423	Standard specification for nickel-iron-chromium-molybdenum-copper alloy (UNS N08825, N08221, and N06845) seamless pipe and tubes
ASTM B668 / ASME SB 668	Standard specification for UNS N08028 and N08029 seamless pipes and tubes
ASTM B677 / ASME SB 677	Standard specification for UNS N08925, UNS N08354, and UNS N08926 seamless pipes and tubes
ASTM B163 / ASME SB 163	Standard specification for seamless nickel and nickel alloy condenser and heat-exchanger tubes
ASTM B167 / ASME SB 167	Standard specification for nickel-chromium-iron alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), nickel-chromium-cobalt-molybdenum alloy (UNS N06617), and nickel-iron-chromium-tungsten alloy (UNS N06674) seamless pipes and tubes
ASTM B 444 / ASME SB 444	Standard specification for nickel-chromium-molybdenum-columbium alloys (UNS N06625 and UNS N06852) and nickel-chromium-molybdenum-silicon alloy (UNS N06219) pipes and tubes

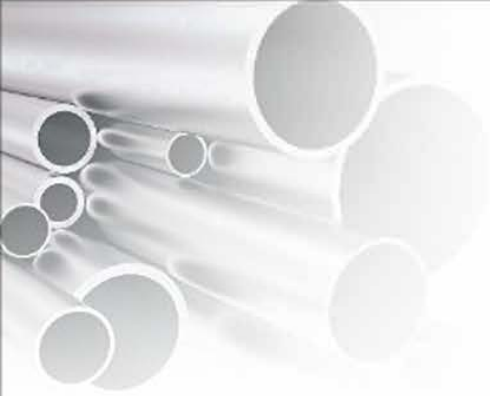
### GOST – NICKEL ALLOY STANDARDS

GOST 10498-82	Specific thin-walled corrosion resistant seamless steel tubes
GOST 14162-79	Small-sized (capillary) steel pipes
GOST 19277-73	Seamless steel tubes for oil and fuel lines
GOST 9940	Hot-finished seamless tubes of corrosion resistant steel grades
GOST 9941	Cold-finished and warm-finished seamless tubes of corrosion resistant steel grades



### High Nickel Alloy Grade Equivalents

Grade	Equivalent Terms	Grade	Equivalent Terms	Grade	Equivalent Terms	Grade	Equivalent Terms
<b>Hastelloy B-2</b>	Nickel Alloy B2 UNS N10665 DIN EN 2.4617 Werkstoff Nr. 2.4617 WNR 2.4617 Nimofor® 6928 JIS NW0665 NiMo28 ND30M	<b>Hastelloy C-4</b>	Nickel Alloy C-4 UNS N06455 EN.24610 WNR. 2.4610 DIN NiMo16Cr16Ti	<b>Hastelloy C-2000</b>	NiCr23Mo16Cu 2.4675 N06200 Nicrofer® GB NS3405	<b>Hastelloy N</b>	Nickel Alloy N UNS N10003 INOR - 8 INOR - 8
		<b>Hastelloy C-22</b>	2.4602 NiCr21Mo14W N06022 Nickel Alloy C-22 Hastelloy® C-22	<b>Hastelloy D-205</b>	Hastelloy D-205 Hastelloy D-205 Nickel Alloy D-205 Nickel Alloy D-205	<b>Hastelloy S</b>	UNS N06635 Alloy S
<b>Hastelloy B-3</b>	Nickel Alloy B3 UNS N10675 DIN NiMo30Cr WNR 2.4600 GB NS3203	<b>Hastelloy C-276</b>	C276 N10276 2.4819 NiCr16Mo15W AFNOR NC17D Nicrofer®5716 hMo	<b>Hastelloy G-3</b>	HASTELLOY G-3 INCONEL G-3 INCONEL G3 NICKEL ALLOY G-3 NICKEL ALLOY G-3 UNS N06985	<b>Hastelloy W</b>	Nickel Alloy W UNS N10004 AMS 5755 AMS 5786 ERNiMo3
<b>Hastelloy G-30</b>	Hastelloy G30 NICKEL ALLOY G-30 UNS N06030 WNR 2.4603 DIN 2.4603 EN 2.4603 NiCr30FeMo	<b>Hastelloy G-50</b>	Hastelloy G-50 Nickel Alloy G- 50 Nickel Alloy G50 Inconel Alloy 50 Inconel Alloy 050 UNS N06950	<b>Inconloy 28</b>	UNS N06985 UNS N08028 Werkstoff Nr. 1.4563 Sanicro® 28 X1NiCrMoCu31-27-4 SS 2584 AFNOR Z1NCDU31-27-03	<b>Hastelloy X</b>	Nickel Alloy X UNS N06002 UNS 2.4665 EN.2.4665 WNR 2.4665 NAS HX Inconel HX® Sp. Metals Hastelloy® Haynes International ATI HX™ Allegheny Technologies
<b>Incoloy 20</b>	NICKEL ALLOY 20 UNS N08020 DIN 2.4660 EN 2.4660 WNR 2.4660 NiCr20CuMo Sanicro 32Cu NAS 335X Carpenter 20 20Cb-3 DIN 2.4660 CN7M AL 20 Carlson Alloy C20 Nickelvac 23 Nicrofer 3620 Nb VDM Alloy 20 VRC20Nb3 FeNi35Cr20Cu4Mo2	<b>Nimonic 75</b>	NIMONIC Alloy 75 HAYNES 75 UNS N06075 WNR 2.4630 WNR 2.4951	<b>Nimonic 90</b>	UNS N07090 WNR 2.4632 AMS 5829 DIN 2.4632 DIN 2.4969 BS HR402 UNS N07090 AECMA PrEn 2299 UNS N07C	<b>Nimonic 80A</b>	UNS N07080 EN 2.4952 DIN 2.4952 WNR 2.4952 EN 2.4631 DIN 2.4631 WNR 2.4631 BS HR 401 Alloy 80A GH4180 NiCr20TiAl
		<b>Incoloy 800</b>	Alloy 800 X10CrNiAlTi32-21 1.4876 UNS N08800 Nicrofer® 3220 H JIS NSF800	<b>Incoloy 901</b>	Inconel 901 Nimonic 901 Nickel Alloy 901 UNS N09901 AMS 5660 AMS 5661 DIN 2.4662 DIN 1.4898 EN 1.4898 WNR 2.4662 GH2901	<b>Incoloy A286</b>	NICKEL ALLOY A286 UNS S66286 DIN EN WNR 1.4980 X6NiCrTiMoVB25-15-2 DIN EN WNR 1.4944 X6NiCrTiMoV26-15 GRADE 660 GB GH2132 AFNOR ZbNCT25 SAE AMS 5731 A-286 SAE AMS 5732 A-286 SAE AMS 5734 A-286 SAE AMS 5895 A-286 NAS 660 SUH 660
		<b>Incoloy 800H</b>	Alloy 800 H X5NiCrAlTi31-20 1.4958 UNS N08810				
		<b>Incoloy 800HT</b>	Alloy 800 HT 1.4959 UNS N08811 X8NiCrAlTi32-21 AFNOR Z8NC33-21 Nicrofer® 3220HT	<b>Incoloy 925</b>	INCOLOY 925 NICKEL ALLOY 925 UNS N09925		
<b>Incoloy 600</b>	Inconel Alloy 600 UNS N06600 Alloy 600 Nickel Alloy 600 Nickel-Chro Alloy 600 BS NA14 AFNOR NC15FE DIN NiCr15Fe DIN Werkstoff No.48 DIN W.Nr 2.4816	<b>Incoloy 840</b>	Nickel Alloy 840 UNS S33400 NAS H840 DIN 1.4847 EN 1.4847 WNR. 1.4847 DIN X8CrNiAlTi20-20 AISI 334	<b>Inconel 617</b>	NICKEL ALLOY 945 UNS N09945  INCONEL 617 NICKEL ALLOY 617 UNS N06617 DIN 2.4663 EN 2.4663 NiCr23Co12Mo Nicrofer 5520 Co NAS0		



### High Nickel Alloy Grade Equivalents

Grade	Equivalent Terms	Grade	Equivalent Terms	Grade	Equivalent Terms	Grade	Equivalent Terms
<b>Incoloy 601</b>	Nickel-Chro Alloy 601 AFNOR NC23FeA EN NiCr23Fe EN 2.4851 Werkstoff No. 24851 DIN W.Nr 24851	<b>Inconel X750</b>	INCONEL X-750 NICKEL ALLOY X-750 UNS N07750 WNR2.4669 AMS 5582 Alloy X750 AMS 5583 Alloy X750 Haynes X750 Pyromet X750 Nickelvac X750 Nicrocorros 7016 Nicrofer 7016 TiNb NiCr15Fe7Ti2Al AFNOR NC15TNbA NiCr15Fe7TiAl	<b>Inconel 625</b>	Inconel Alloy 625 UNS N06625 Alloy 625 Nickel Alloy 625 Nickel-Chromium Alloy 625 NiCr22Mo9Nb DIN Werkstoff No. 2.4856 DIN W.NR. 2.4856 AFNOR NC22DNb	<b>Inconel 713C</b>	NICKEL ALLOY 713C UNS N07713 AMS 5391 ALLOY 713C Nickel Alloy IN 713 INCONEL 713LC (low carbon variant) NICKEL ALLOY 713LC (low carbon variant)
<b>Inconel 725</b>	NICKEL ALLOY 725 UNS N07725 VRC725						
<b>Inconel 740H</b>	E1740 UNS N07740						
<b>Monel 400</b>	Alloy 400 Nickel-Copper Alloy 400 Nickel Alloy 400 UNS N04400 NiCu30Fe JIS NW 4400 AFNOR NU-30M DIN Werkstoff Nr. 2.4360 85 NA 13 853074NA13 SAE AMS 4574 VdTUV 263	<b>Nickel 200</b>	UNS N02200 W Nr 2.4066 EN 2.4066 W.Nr. 2.4061 EN 2.4061	<b>Monel K500</b>	Alloy K500 Nickel-Copper Alloy K500 Nickel Alloy K500 UNS N05500 NiCu30Al NUBOAT DIN Werkstoff Nr. 2.4375 BS3074 NA18	<b>Inconel 718</b>	NICKEL ALLOY 718 UNS N07718 WNR. 24668 SAE AMS 5589 Alloy 718 SAE AMS 5590 Alloy 718 DIN 17751 Alloy 718 Haynes 718 Nicrofer 5219 Allvac 718 Altemp 718 NiCr19Fe19Nb5Mo3 NiCr19Nb5Mo3

### OTHER PRODUCTS





## Seamless Pipe Tube

### Size Tolerances

Standard	Size Range OD	OD Tolerance	W.T. Tolerance	Fixed Length Tolerance
ASTMA 213 Seamless Boiler, Super Exchanger & Exchanger & Condenser Tubes	Under 25.40 mm	+/- 0.10 mm	+ 20 / - 0%	+ 3 / - 0 mm
	25.40 - 38.10 mm incl.	+ / - 0.15 mm	+ 20 / - 0 %	+ 3 / - 0 mm
	38.10 - 50.80 mm excl.	+ / - 0.20 mm	+ 22 / - 0 %	+ 3 / - 0 mm
	50.80 - 63.50 mm excl.	+ / - 0.25 mm	+ 22 / - 0 %	+ 5 / - 0 mm
	63.50 - 76.20 mm excl. 76.20 - 101.60 mm incl.	+ / - 0.30 mm + / - 0.38 mm	+ 22 / - 0 % + 22 / - 0 %	+ 5 / - 0 mm + 5 / - 0 mm
ASTMA 269 Seamless & Welded Tubes	Under 12.70 mm	+ / - 0.13 mm	+ / - 15 %	+ 3.2 / - 0 mm
	12.70 - 38.10 mm excl.	+ / - 0.13 mm	+ / - 10 %	+ 3.2 / - 0 mm
	38.10 - 88.90 mm excl.	+ / - 0.25 mm	+ / - 10 %	+ 4.8 / - 0 mm
	88.90 - 139.70 mm excl. 139.70 - 203.70 mm excl.	+ / - 0.38 mm + / - 0.76 mm	+ / - 10 % + / - 10 %	+ 4.8 / - 0 mm + 4.8 / - 0 mm
ASTMA 312 Seamless & Welded Pipes	10.29 - 48.30 mm excl.	+ 0.40 / - 0.80 mm	Min wall + 12.5 %	+ 6 / - 0 mm
	48.30 - 114.30 mm excl.	+ 0.80 / - 0.80 mm	Under nominal	+ 6 / - 0 mm
	114.30 - 219.08 mm excl.	+ 1.60 / 0.80 mm	wall specified + / - 12.5 %	+ 6 / - 0 mm

\* More stringent tolerances can be confirmed on request depending on range of sizes and

Tolerance on OD	Permissible Deviation on OD (Whichever is Greater)	Tolerance on THK	Permissible Deviation on THK (Whichever is Greater)
D1	±1.5% or ± 0.75 mm	T1	± 15 % or ± 0.6 mm
D2	± 1% or ± 0.5 mm	T2	± 12.5 % or ± 0.4 mm
D3	± 0.75% or ± 0.3 mm	T3	± 10 % or ± 0.2 mm
D4	± 0.5% or ± 0.1 mm	T4	± 7.5 % or ± 0.15 mm





## Quality Control

NON DESTRUCTIVE TEST	DESTRUCTIVE TEST
Eddy Current Test	Flaring Test
Hydrostatic Test	Hardness Test
Ultrasonic Testing	Reverse Bend Test
Metallography Test	Flattening Test
Visual Inspection	Corrosion Test
DP / MP / RF ECT Testing	Impact / Tensile Test

### NON DESTRUCTIVE Testing Machines :

Online testing of tubes / pipes by Ultrasonic Testing & Eddy Current Method to check dimension, length and other defects.

Ultrasonic	
Type Rotating Probe Method	20 Channels
Longitudinal Defect	8 Probes
Transverse Defect	8 Probes
Wall Thickness	2 Probes
OD & ID	2 Probes
Speed of Testing	Upto 20 Meters per Minute
Notch Depth	5% of Wall Thickness

### DIMENSION, INSIDE CAMERA, MARKING, HYDRO TEST, PMI TEST, EDDY CURRENT



## SHUT DOWN SERVICE

for Straight Pipe Tube and U-tube Round Bars/Shaft, Flanges ex stock

In addition to the production of seamless stainless steel, nickel and titanium alloy tubes, BLUMET TUBES keeps a large stock for heat exchanger tubes to assure a fast supply for our customers.

The wide stock range, which included all common material grades and dimensions, in connection with our special stock service guarantees a delivery, just in time".

The U-tubes are manufactured in our own bending facility within a short time. Therefore, they can be delivered at short notice based on the stock material.

Following material grades are available :

- Stainless Steel
- Nickel Alloys
- Duplex & Super Duplex
- Titanium

Following products are also available in shortest delivert time :

- Round Bars/Shafts ( Make : Viraj, Mukund, Laxcon)
- Flanges (Finest Quality - Procured directly from Trusted Indian Manufacturers )





**BLUMET**  
Tubes Private Limited



**BLUMET**

**KOBS INDIA GROUP - MAIN WORK LOCATIONS IN INDIA**

**BLUMET TUBES PRIVATE LIMITED:**

PRODUCTION UNIT

**UNIT - I**

Survey No.149-002, Aldesan, Utnva Road, Aldesan, Kadi,  
Gujarat, Mahesana -382715.

**UNIT - II**

Survey No.150-002, Aldesan, Utnva Road, Aldesan, Kadi,  
Gujarat, Mahesana -382715.

**UNIT - III**

Survey No.150/003, Aldesan, Utnva Road, Aldesan, Kadi,  
Gujarat, Mahesana -382715.

**WAREHOUSE:1**

Plot No. 1783 & 1784 Road No. 22, Sector - KWC Khedu Pada,  
Kalamboli Steel Market Yard, Mumbai - 410218.

**WAREHOUSE:2**

Shop No. 5, Pallonji House, 14<sup>th</sup> Khetwadi Back Rd, Girgaon,  
Maharashtra, Mumbai - 400004.

Visit us at: [www.blumettubes.com](http://www.blumettubes.com)

**Contact:** +91-22 6636 3030/3088/3338