



# STRENGTH, QUALITY AND PRECISION!

Engineered For **Excellence**

## ABOUT OUR COMPANY

Labdhi Engineering & Co stands as a distinguished player in the distribution of Nickel Alloys and Special Stainless Steel, both nationally and internationally. With a rapidly expanding clientele and a strong global footprint, we take pride in our reputation.

Our expertise lies in the stocking and distribution of special stainless steel and nickel alloys products in pipe, tube, bar, wires, rod, sheet, plates, coil, flange, fittings & fasteners.



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Process  
Improvement



Technical  
Expertise

# OUR PRODUCTS

## NICKEL ALLOYS

ALLOY 200  
ALLOY 201  
ALLOY 400  
ALLOY K-500  
ALLOY 600  
ALLOY 601  
ALLOY 602CA  
ALLOY 625  
ALLOY 690  
ALLOY 718

## STAINLESS STEELS

310/310S  
904L  
2205  
2507  
SMO 254  
446  
304/304L  
316/316L/316TI  
317/317L  
321/321H  
347/347H

ALLOY 800/H/HT  
ALLOY 825  
ALLOY C-276  
ALLOY C-22  
ALLOY B-2/B-3  
ALLOY 20  
ALLOY 28

## TITANIUM

GR-2 | GR-5

## WEAR RESISTANT STEEL PLATE

HB 200 STEEL  
HB 400 STEEL  
HB 500 STEEL

## NICKEL ALLOYS

Material	UNS no.	Werkst. nr.	Ni Min	Co max	Cr	Mo	W	Fe max	Si max	Mn max	C max	Cu max	Al max	Ti max	S max	P max	Density	Bar/Billet	Forging	Flanges	Tube	Pipe	Plate	Fitting
SMLS/WLD																								
Alloy 200	N02200	2.4066	99.0	--	--	--	--	0.4	0.35	0.35	0.15	0.25	--	--	0.01	--	8.89	B160	B564	B564	B163/B730	B161/B725	B162	B366
Alloy 201	N02201	2.4068	99.0	--	--	--	--	0.4	0.35	0.35	0.02	0.25	--	--	0.01	--	8.89	B160	B564	B564	B163/B730	B161/B725	B162	B366
Alloy 400	N04400	2.4360	63.0	--	--	--	--	2.5	0.5	2.0	0.3	28-34	--	--	0.024	--	8.8	B164	B564	B564	B163/B730	B165/B725	B127	B366
Alloy K-500	N05500	2.4375	63.0-70.0	--	--	--	--	2.0	0.5	1.5	0.25	Rest	2.3-3.15	0.35-0.85	0.01	--	8.44	B865	B865	B865	--	--	--	--
Alloy 600	N06600	2.4816	72.0	--	14-17	--	--	6-10	0.5	1.0	0.15	0.5	--	--	0.015	--	8.47	B166	B564	B564	B163/B516	B167/B517	B168	B366
Alloy 601	N06601	2.4851	58-63	--	21-25	--	--	Rest	0.5	1.0	0.1	1.0	1-1.7	--	0.015	--	8.11	B166	B564	B564	B163	B167	B168	B366
Alloy 602CA	N06025	2.4633	Rest	--	24-26	--	--	8.0-11.0	0.5	0.15	0.15-0.25	0.1 max	1.8-2.4	0.1-0.2	0.010 max	0.020 max	7.9	B166	B564	B564	B163/B516	B167/B517	B168	--
Alloy 625	N06625	2.4856	58.0	1.0	20-23	8-10	--	5.0	0.5	0.5	0.1	--	0.4	0.4	0.015	0.015	8.44	B446	B564	B564	B444/B704	B444/B705	B443	B366
Alloy 690	N06690	2.4642	58.0	--	27-31	--	--	7-11	0.5	0.5	0.05	0.5	--	--	0.015	--	8.19	B166	B564	B564	B163	B167	B168	--
Alloy 718	N07718	2.4668	50-55	1.0	17-21	2.8-3.3	--	Rest	0.35	0.35	0.08	0.3	0.20-0.80	0.65-1.15	0.015	0.015	8.17	B637	--	--	--	--	B670	--
Alloy 800	N08800	1.4876	30-35	--	19-23	--	--	39.5	1.0	1.5	0.1	0.75	0.15-0.6	0.15-0.6	0.015	--	7.94	B408	B564	B564	B163/B515	B407/B514	B409	B366
Alloy 800H	N08810	1.4876	30-35	--	19-23	--	--	39.5 min	1.0	1.5	0.05-0.1	0.75	0.15-0.6	0.15-0.6	0.015	--	7.94	B408	B564	B564	B163/B515	B407/B514	B409	B366
Alloy 800HT	N08811	1.4876	30-35	--	19-23	--	--	39.5 min	1.0	1.5	0.06-0.1	0.75	0.25-0.6	0.25-0.6	0.015	--	7.94	B408	B564	B564	B163/B515	B407	B409	B366
Alloy 825	N08825	2.4858	38-46	--	19.5-23.5	2.5-3.5	--	22.0 min	0.5	1.0	0.05	1.5-3	0.2	0.6-1.2	0.03	--	8.14	B425	B564	B564	B163/B704	B423/B705	B424	B366
Alloy C-276	N10276	2.4819	Rest	2.5	14.5-16.5	15-17	3-4.5	4-7	0.08	1.0	0.01	--	--	--	0.03	0.04	8.89	B574	B564	B564	B622/B619	B622/B619	B575	B366
Alloy C-22	N06022	2.4602	Rest	2.5	20-22.5	12.5-14.5	2.5-3.5	2-6	0.08	0.5	0.015	--	--	--	0.02	0.02	8.69	B574	B564	B564	B622/B619	B622/B619	B575	B366
Alloy B-2	N10665	2.4617	Rest	1.0	1.0 max	26-30	--	2.0	0.1	1.0	0.01	--	--	--	0.03	0.04	9.22	B335	B564	B564	B622/B619	B622/B619	B333	B366
Alloy 20	N08020	2.4660	32-38	--	19-21	2-3	--	Rest	1.0	2.0	0.07	3-4	--	--	0.035	0.045	8.05	B473	B462	B462	B729/B468	B729/B464	B463	B366
Alloy 28	N08028	1.4563	30-34	--	26-28	3-4	--	Rest	1.0	2.5	0.03	0.6-1.4	--	--	0.03	0.03	8.00	--	--	--	B668	--	B709	--

① Cb/Ta 3.15-4.15    ② Nb/Ta 4.75-5.50    ③ V 0.35max

## SPECIAL STAINLESS STEEL

Material	UNS no.	Werkst. nr.	Ni Min	Co max	Cr	Mo	W	Fe max	Si max	Mn max	C max	Cu max	Al max	Ti max	S max	P max	Density	Bar/Billet	Forging	Flanges	Tube	Pipe	Plate	Fitting	
SMLS/WLD																									
310S	S31008	1.4845	19-22	--	24-26	--	--	--	1.00	2.00	0.08	--	--	--	0.030	0.045	7.84	A479	A182	A182	A213/A249	A312	A240	A403	A403
904L	N08904	1.4539	23-28	--	19-23	4-5	--	--	1.00	2.00	0.020	1-2	--	--	0.035	0.045	7.95	B649	B459	--	B677/B674	B677/B673	B625	B366	B366
2205	S32205	1.4462	4.5-6.5	--	22-23	3.0-3.5	--	--	1.00	2.00	0.030	--	--	--	0.020	0.030	7.80	A479	A473	A182	A789	A790	A240	A815	A815
S. Duplex 2507	S32750	1.4410	6.0-8.0	--	25-26	3.0-5.0	--	--	0.80	1.20	0.030	0.50	--	--	0.020	0.035	7.80	A479	A473	A182	A789	A790	A240	A815	A815
S. Duplex	S32760	1.4501	6.0-8.0	--	24-26	3.0-4.0	--	--	1.00	1.00	0.05	0.50-1.00	--	--	0.010	0.030	7.80	A479	A473	A182	A789	A790	A240	A815	A815
S.MO 254	S31254	1.4547	17.5-18.5	--	19.5-20.5	6.0-6.5	--	--	0.80	1.0	0.020	0.5-1.0	--	--	0.010	0.030	7.80	--	--	--	--	--	--	--	--
446	S44600	1.4762	--	--	23-27	--	--	--	1.0	1.50	0.20	--	--	--	0.030	0.040	7.70	--	--	--	--	--	--	--	--

① N 0.14-0.20    ② N 0.24-0.32    ③ N 0.20-0.30    ④ N 0.18-0.22



# TITANIUM

Material	UNS No.	Werkst. nr.	C max	Fe max	H max	N max	O max	V max	Al max	Ti	Density gm/cc	Min. Tensile (KSI)	Min. Yield (KSI)	Hardness	Modulus of elasticity	Poisson's Ratio
Grade 2	R50400	3.7035	0.08	0.30	0.015	0.03	0.25	---	---	REST	4.51	50	40	14.9	105 GPa	0.34 - 0.40
Grade 5	R56400	3.7165	0.08	0.40	0.015	0.05	0.20	3.5-4.5	5.5-6.75	REST	4.43	130	120	16.4	114 GPa	0.30 - 0.33

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