



## **SHANKHESHWAR STEEL**

Super Stockist & Suppliers of :  
Stainless Steel Sheet, Plates & Coils in All Grade & Size



# ABOUT US

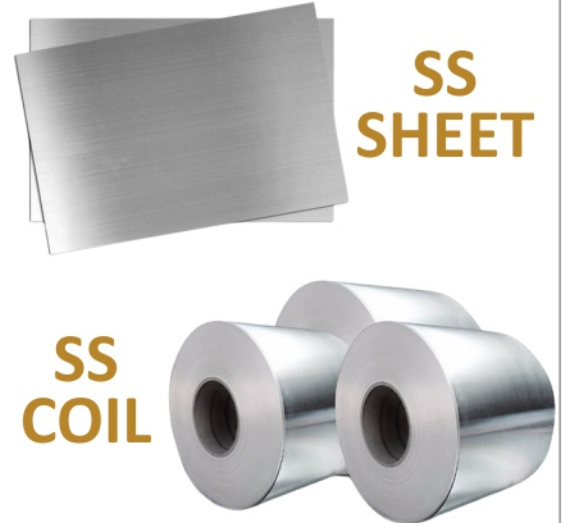
SHANKHESHWAR STEEL is one of the leading Importer, Exporter and Manufacturers of Stainless Steel & Nickel/Alloy steel products. Our goals are created with the objective to drive your success which includes continuous growth & development of our long-term business relation while making customer satisfaction our Top Priority. We would also like to mention that M/s Nilesh tubes is our sister concern company with its base in Ahmedabad, Gujarat.

We deal in Stainless Steel & Nickel/Alloy steel Sheet/Plate/Coil & Round bars/Square bars / Plate Profile & Pipes & Pipe Fittings. Our customers majorly belong from industries like Oil & Gas, Petrochemical, Refineries, Power, Steel, Chemical, Fertilizers, Water treatment and Nuclear Industries. We also manufacture and supply non-standard items in any material to customer's specifications.

We have authorized Dealership of Jindal Stainless Limited for Sheet, Plate, Coils & we also import material from worldwide through reputed companies like Aperam, Outokumpu etc. & also we represent as manufactures for stainless steel Rods & Pipes as well.

SHANKHESHWAR STEEL is capable of providing complete range of steel solution with philosophy of Sources, Supply & Services. The foundation of our business continues to be based on quality, customer services and performance.

## SS PIPE



## QUALITY POLICY

We are committed to continuously upgrade our knowledge and skills to improve the efficiency of our organisations and strive for outstanding quality of our products.

The quality policy of SHANKHESHWAR STEEL is very simple to perform work of the highest attainable quality in accordance with applicable codes / standards / specification and customer's specifications.

Our products are subjected to various quality testing such as Eddy Current test, Hydro-static test, Ultra sonic test, Radiography, Hardness test, Air under water test, Dimensional test, visual test etc. Quality Control measures include chemical analysis, measurement of mechanical and metallurgical properties and close dimensional tolerances as per applicable codes / standards / specification.





## SIZE

### THICKNESS :

COIL : 0.025MM TO 12.00MM

SHEET : 0.10MM TO 5.00MM

PLATE : 6.00MM TO 127.00MM

### WIDTH :

COIL : 3.20MM TO 2000MM

SHEET & PLATE : 1000MM TO 3000MM

### LENGTH :

SHEET & PLATE : 1000MM TO 6000MM

(OR AS REQUESTED)

### SURFACE FINISH :

2B, BA, 8K, 6K, MIRROR FINISHED, NO.1,  
NO.2, NO.4, PVC & HAIR LINE WITH PVC.

### TECHNIQUES :

HOT ROLLED & COLD ROLLED.

### STANDARDS :

AISI, ASTM, DIN, EN, GB & JIS; ASTM  
A240/SA240, ASTM B688, ASTM B463/SB463 ASTM  
B168/SB168, ASTM B443/SB443, B424/SB424,  
B625/SB625, B575/SB575, JIS G4304, G4305, GB/T  
4237, GB/T 8165, BS 1449, DIN17460, DIN 17441.

## GRADES

### 1. STAINLESS STEEL :

301,302,303,304,304L,304H,309,309s,310,310

S,316,316L,316H, 316Ti,317L,321,347;

201,202,202cu,204;

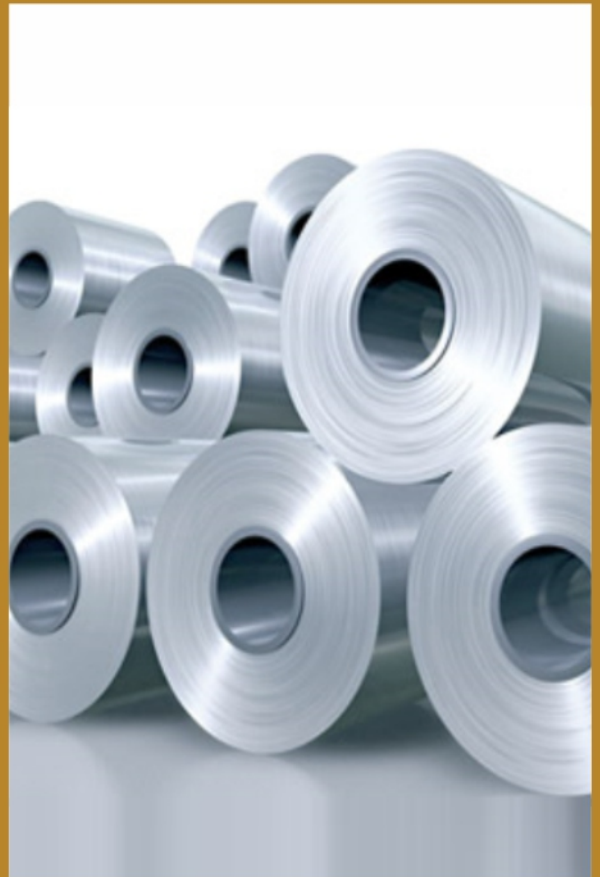
409,409L,410,420,430,431,440;

### 2. DUPLEX & SUPER DUPLEX STEEL:

DUPLEX2205/s31803/s32205, Duplex2507,  
S32750, S32760

### 3. PERCENTAGE :

NICKEL, MONEL, INCONEL, HASTELLOY,  
TITANIUM, ALLOY20, COPPER, BRASS,  
TANTALAM, ALUMINUM, ZINC, LEAD, ETC.





## **TYPES OF PIPE FITTING : (SEAMLESS & WELDED)**

- NIPPLE
- ELBOW
- CAPS
- TEE
- REDUCER
- U-BEND
- STUB-END
- LATERALS

**THICKNESS :**  
SCH5 TO SCH XXS

**RANGE:**  
1/8"NB TO 48"NB

## **TYPES OF FLANGES:**

- LAP JOINT
- BLIND FLANGE
- WELD NECK
- THREADED
- SLIP ON
- SOCKET WELD

**CLASS:**  
#150 TO #2500

## **FLANGE STANDARD:**

ASME/ANSI B16.5/16.36/16.47A/16.47B, GB9112-9124, GB13402, SH3406, HG20615-20623, HG20592-20605, JB74-90, MSS SP-44, JIS2220-2001, DIN2527/2636/2637/2638/2566/2576/2632/2633/2635/2642/2653/2656/2655, BS1560-3.1, BS4504-3.1

## **GRADES**

### **1.STAINLESS STEEL :**

303,304,304L,309,310,310S,316,316L,316Ti,317L,321; 410,420,430,431;

### **2.DUPLEX & SUPER DUPLEX STEEL:**

2205/S31803/S32205, 2507, S32750, S32760

### **3.PERCENTAGE :**

NICKEL,MONEL,INCONEL,HASTELLOY, TITANIUM,ALLOY20,COPPER,BRASS, TANTALAM,ALUMINUM,ZINC,LEAD,ETC.







## TYPES

SEAMLESS PIPE & WELDED PIPE

## OUTSIDE DIAMETER:

6.00 MM TO 914.40 MM

## WALL THICKNESS & LENGTH

### 1. SEAMLESS PIPE

SCH5 TO SCH XXS UP TO 15MTRS

### 2. WELDED PIPE

0.50MM to 12MM UP TO 15MTRS

## STANDARDS

ASTM, ASME, DIN, NF, JIS, EN, IOS

## SURFACE FINISH

PICKLED,POLISHED,BRIGHT ANNEALED,  
ELECTROLYTIC POLISHED.

## TYPES:

ROUND , OVAL , SQUARE & RECTANGULAR

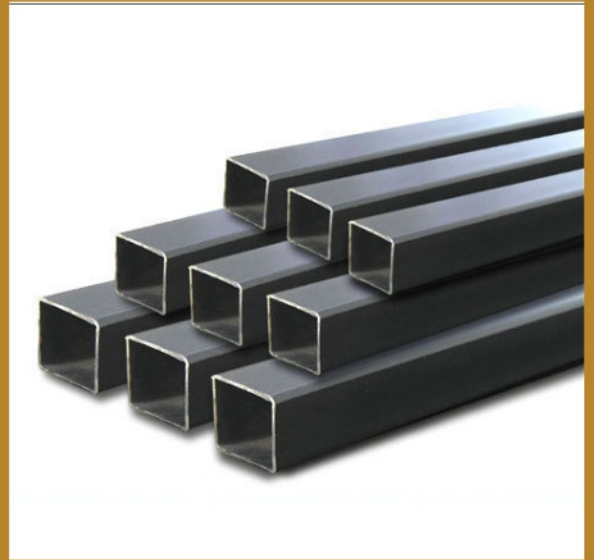
## GRADES

### 1.PERCENTAGE & HIGH NICKEL :

NICKEL 200 ,NICKEL 201 , MONEL 400,K500 ,  
ALLOY 20 , INCONEL 600 , INCONEL 601 ,  
INCONEL 625 , INCONEL X-750, INCONEL  
800 , INCONEL 825,HASTELLOY C 276

### 2.STAINLESS STEEL :

201, 202, 303, 304, 304L, 304H, 309, 310, 316,  
316L, 317, 317L, 321, 347, 17-4PH, S 31803, S  
32205, S 32550, S 32750, S 32760



**SIZE**

**TYPES**

- CIRCLE
- RING
- PLATE CUT FLATS

**THICKNESS :**

CIRCLE : 3.00MM TO 100.00MM  
 RING : 3.00MM TO 100.00MM  
 PLATE CUT FLATS : 3.00MM TO 90.00MM

**DIAMETER OR WIDTH:**

CIRCLE & RING : 100.00MM TO 2500MM  
 PLATE CUT FLATS : 40MM TO 2000MM

**CUTTING:**

- PLASMA
- HAND CUTTING
- SHARING
- BENZO
- WATER-JET
- MACHINE CUT

**GRADES**

**STAINLESS STEEL:**

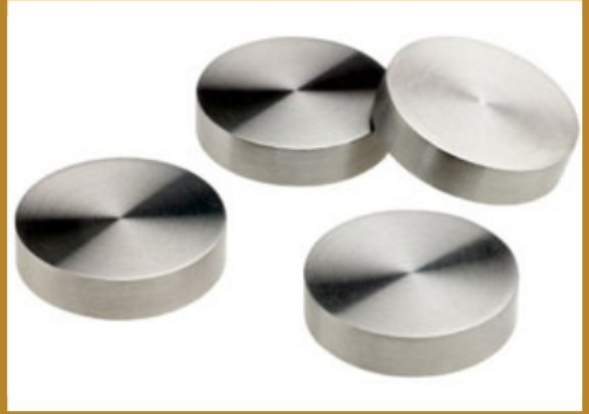
304/304L,310/310S,316/316L,321/321H,347/347H.  
 410/420.

**DUPLEX STEEL:**

2205/S31803/S32205, 2507, S32750, S32760

**APPLICATION:**

- PETROCHEMICAL
- MACHINE TOOLS
- MEDICAL PARTS
- OIL PIPELINE SHIPS
- BOILERS
- VALVES & FITTINGS, ETC.







## TYPES & DIAMETER:

- ROUND ( 4MM TO 400MM)
- HEX ( 6MM TO 100MM)
- SQUARE (4MM TO 400MM)

## LENGTH:

UP TO 7 MTRS

## STANDARDS :

ASTM, ASME, DIN, NF, JIS, EN, IOS

## GRADES

### 1. PERCENTAGE & HIGH NICKEL :

NICKEL 200 ,NICKEL 201 , MONEL 400,K500 ,  
ALLOY 20 , INCONEL 600 , INCONEL 601 ,  
INCONEL 625 , INCONEL X-750, INCONEL  
800 , INCONEL 825,HASTELLOY C 276

### 2. STAINLESS STEEL :

201, 202, 303, 304, 304L, 304H, 309, 310, 316,  
316L, 317, 317L, 321, 347,  
410 ,416, 420, 430, 430f, 431  
17-4PH, S 31803, S 32205, S 32550,  
S 32750, S 32760.

## SUPPLY CONDITION:

- COLD DRAWN
- ROUGH TURNED & POLISH
- SMOOTH TURNED & POLISH
- COLD DRAWN, CENTRE LESS GROUND & POLISHED
- PEELED & POLISH
- SOLENOID QUALITY
- STRAIN HARDENED
- PEELED, CENTRE LESS GROUND & POLISHED

## AT TREATMENT:

- SOLUTION ANNEALED
- ANNEALED
- STRAIN HARDENED
- QUENCHED + TEMPERED
- MAGNETIC ANNEALED ( SOLENOID QUALITY)
- QUENCHED + DOUBLE TEMPERED
- H900/H925/H1025/H1075/H1100/H1150/H1150D/  
H1150M & ETC.





## ANGLE

**SIZE RANGE:**

20X20X3 TO 150X150X12MM

**MANUFACTURING METHOD:**

HOT ROLLED, WELDED, BENDING PLATE

**SURFACE FINISH:**

PICKLED, SANDBLASTING, POLISHED

**LENGTH:**

3 METERS TO 6 METERS

**GRADES:**

304/304L, 310/310S, 316/316L, 201/202.



## CHANNEL

**SIZE RANGE:**

40X20 TO 300X300

**THICKNESS:**

3.00MM TO 12.00MM

**MANUFACTURING METHOD:**

HOT ROLLED, WELDED, BENDING PLATE

**LENGTH:**

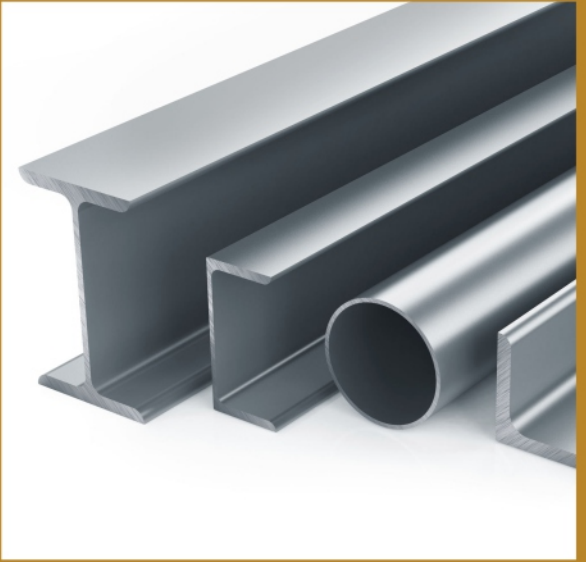
3 METERS TO 6 METERS

**GRADES:**

304/304L, 310/310S, 316/316L, 201/202.

**TYPES:**

C CHANNEL, U CHANNEL, H BEAM, I BEAM, T BEAM



## FLAT BARS

**SIZE RANGE (WIDTH)**

10.00MM TO 200.00MM

**THICKNESS:**

3.00MM TO 50.00MM

**LENGTH:**

3 METERS TO 6 METERS

**SURFACE FINISH:**

HOT ROLLED ANNEALED & PICKLED (HRAP)

**GRADES:**

304/304L, 310/310S, 316/316L, 201/202/410, 420.





**WEIGHT OF STAINLESS STEEL PIPE**

O.D (MM) - W.THICK (MM) X W.THICK (MM) X 0.0248 = WT PER MTR.

O.D (MM) - W.THICK (MM) X W.THICK (MM) X 0.00756 = WT PER FEET.

**WEIGHT OF STAINLESS STEEL SHEET & PLATE**

LENGTH (MTRS) X WIDTH (MTRS) X THICK (MM) X 8.068 = WT PER PC.

LENGTH (FEET) X WIDTH (FEET) X THICK (MM) X 3/4 = WT PER PC.

**WEIGHT OF STAINLESS STEEL CIRCLE**

DIA (MM) X DIA (MM) X THICK (MM) / 160 = GMS. PER PC.

DIA (MM) X DIA (MM) X THICK (MM) X 0.0000063 = KG. PER PC.

**WEIGHT OF STAINLESS STEEL ROUND BAR**

DIA (MM) X DIA (MM) X 0.00623 = WT PER MTR.

DIA (MM) X DIA (MM) X 0.0019 = WT PER FEET.

**WEIGHT OF STAINLESS STEEL SQUARE BAR**

DIA (MM) X DIA (MM) X 0.00788 = WT PER MTR.

DIA (MM) X DIA (MM) X 0.0024= WT PER FEET.

**WEIGHT OF STAINLESS STEEL HEXAGONAL BAR**

DIA (MM) X DIA (MM) X 0.00680 = WT PER MTR.

DIA (MM) X DIA (MM) X 0.002072= WT PER FEET.

**WEIGHT OF STAINLESS STEEL FLAT BAR**

WIDTH (MM) X THICKNESS (MM) X 0.00798 = WT PER MTR .

WIDTH (MM) X THICKNESS (MM) X 0.00243 = WT PER FEET.

**APPLICATIONS**

- MACHINE COMPONENTS
- MEDICAL
- WIND MILL
- POWER TRANSMISSION
- AUTOMOTIVE
- PETROCHEMICAL & PHARMACEUTICAL
- CUTLERY
- DEFENCE
- POWER PLANT
- CONVEYOR BELTS
- OIL & GAS
- ENERGY
- BUILDING & CONSTRUCTION
- FABRICATIONS
- PIPELINES
- BOATS & SHIPS

Type	Grades			Reference Chemistry(%)			
	EN NAME	EN NUMBER	ASTM	C (max)	Si (max)	mn (max)	P (max)
A	X1 2CrMnNiN17-7-5	1.4372	201	0.15	1.00	5.50-7.50	0.045
8	X1 2CrMnNiN18-9-5	1.4373	202	0.15	1.00	7.50-10.50	0.060
S		1.4597	204 Cu	0.10	2.00	6.5-8.5	0.040
E		Nitronic 50	XM-19	0.06	1.00	4.00-6.00	0.045
T	X1 2CrNi18-5	1.4310	301	0.05-0.15	1.00	2.00	0.045
N	X8 CrN iS18-9(3)	1.4305	303	0.15	1.00	2.00	0.200
I	X5CrN118-10	1.4301	304	0.08	1.00	2.00	0.045
T	X2CrNi18-9	1.43.7	304L	0.03	1.00	2.00	0.045
I			308	0.08	1.00	2.00	0.045
C	X1 5CrNiSi20-12	1.4828		0.20	1.50	2.00	0.045
			309	0.20	1.00	2.00	0.045
A			310	0.25	1.50	2.00	0.045
U	X5CrN1Mo1 7-12-2	1.4401	316	0.08	1.00	2.00	0.045
S	X3CrNiMo1 7-13-3	1.4436	316	0.05	1.00	2.00	0.045
T	X2CrN1Mo17-12-2	1.4404	316L	0.03	1.00	2.00	0.045
E	X2CrN1Mo18-14-3	1.4435	316L	0.03	1.00	2.00	0.045
N	X6CrN iMoTi17-12-2	1.4571	316Ti	0.08	1.00	2.00	0.045
I			371	0.08	0.10	2.00	0.045
T	X6CrNiTi1 8-10	1.4541	321	0.08	1.00	2.00	0.045
I	X8CrNiTi1 8-10	1.4878	321H	0.1	1.00	2.00	0.045
C	X6CrN1Nb 18-10	1.4550	347	0.08	1.00	2.00	0.045
					0.50		
F		1.4003	403	0.015		1.00	0.40
E	X2CrTi 1 2	1.4512	409	0.03	1.00	1.00	0.40
R			429	0.12	1.00	1.00	0.40
R	X6Cr1 7	1.4016	430	0.12	1.00	1.00	0.40
I			430F	0.12	1.00	1.50	0.40
T	X3CrNb 1 7	1.4511	430LNB	0.05	1.00	1.00	0.40
I							
C							
M	X1 2Cr13	1.4006	410	0.08-0.15	1.00	1.00	0.40
A	X6Cr1 3		410S	0.08	1.00	1.00	0.40
R		1.4005	416	0.06-0.15	1.00	1.50	0.40
T	X20Cr13	1.4021	420	0.16-0.25	1.00	1.00	0.40
E	X30Cr1 3	1.4028	420 B	0.26-0.35	1.00	1.50	0.40
N	X39Cr13	1.4031		0.36-0.42	1.00	1.00	0.40
S	X46Cr1 3	1.4034	420 C	0.43-0.50	1.00	1.00	0.40
I	X36CrMo1 7-1	1.4122		0.33-0.45	1.00	1.50	0.40
T		1.4104		0.10-0.17	1.00	1.50	0.40
I		1.4057	431	0.12-0.22	1.00	1.50	0.40
C	X3CrNiMo 13-4	1.4313	F6-NM	0.05	0.70	1.50	0.40
	X4CrNiMo16-5-1	1.4418		0.06	0.70	1.50	0.40
P	X5CrNiCoNb1 6-4	1.4542	63/17-4PH	0.07	1.00	1.00	0.40
H	X7CrN iAl 1 7-7	1.4568	631 -7PH	0.09	0.70	1.00	0.40
	X2CrNiMoN22-5-3 (6)	1.4462	2205(F51)	0.030	1.00	2.00	0.35
Duplex	X2CrN1M23-4(9)	1.4362	2304	0.030	1.00	2.00	0.35
	X2CrN1MoN25-7-4(9)	1.4410	2507(F53)	0.030	0.80	1.20	0.35





S (max)	N	Cr	Mo	Ni	Others
0.015	0.05-0.25	16.00-18.00		3.50-5.50	
0.030	0.25 max	17.00-19.00		4.00-6.00	
0.030		16.00-18.00	1.0 max	2.00 max	Cu- 2.00-3.00
0.030	0.20-0.40	20.50-23.50	1.50-3.00	11.50-13.50	Cb-0.10-0.30,V-0.10-0.30
0.030	0.11 max	16.00-19.00	0.8 max	6.00-9.50	
0.15-0.35	0.11 max	17.00-19.00		8.00-10.00	Cu<1.00
0.030		18.00-20.00		8.00-11.00	
0.030		18.00-20.00		8.00-12.00	
0.015		19.00-21.00		10.00-12.00	
0.030	0.11	19.00-21.00		11.00-13.00	
0.030		22.00-24.00		12.00-15.00	
0.030		22.00-24.00		19.00-22.00	
0.030	0.10	16.00-18.00	2.00-3.00	10.00-14.00	
0.015	0.11	16.50-18.50	2.50-3.00	10.50-13.00	
0.030		16.00-18.00	2.00-3.00	10.00-14.00	
0.030	0.11	17.00-19.00	2.50-3.50	12.50-15.00	
0.030	0.10	16.00-18.00	2.00-3.00	10.00-14.00	Ti:mi:5(C+N);max:0.70
0.030	0.10 max	18.00-20.00	3.00-4.00	11.00-15.00	
0.030		17.00-19.00		9.00-12.00	Ti:min:5(C+N);max:0.70
0.015		17.00-19.00		9.00-12.00	Ti:min:5(C+Kmax:0.80
0.030		17.00-19.00		9.00-12.00	Cb:min;(10xC);max 1.10
0.030		11.50-13.00			
0.015		10.50-12.50		0.75 max	Ti:min:(6x(C+N):max:0.65
0.030		14.00-16.00			
0.030		16.00-18.00			
0.15-0.35		16.00-18.00			
0.030		16.00-18.00			Nb:min:(12xC);max:1.00
0.030		11.50-13.50			
0.030		11.50-13.50		0.6 max	
0.15-0.35		12.0-14.0	0.60 max		
0.015		12.00-14.00			
0.030		12.00-14.00			
0.015		12.50-14.50			
0.015	0.020	12.50-14.50			
0.015	0.020	15.50-17.50	0.80-1.30	1.00	
0.15-0.35		16.0-18.0	0.20-0.60		
0.030		15.0-17.0		1.50-2.50	
0.015	0.020	12.00-14.00	0.30-0.70	3.50-4.50	
0.015	0.020	15.00-17.00	0.80-1.50	4.00-6.00	
0.03		15.00-17.50	0.6	3.00-5.00	Cu:3.00-5.00;Nb:min:(5xC);max:0.45
0.015		16.00-18.00		6.50-7.80	Al:0.70-1.50
0.015	0.08-0.20	21.00-23.00	2.50-3.50	4.50-6.50	
0.015	0.5-0.20	22.00-24.00	0.10-0.60	3.50-5.50	Cu:0.10-0.60
0.015	0.24-0.35	24.00-26.00	3.00-5.00	6.00-8.00	Cu:0.5 max



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