BAR8R0D

Stainless Steel Catalogue



Daxun alloy

Round Bar Square Bar Hexagon Bar



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WHO WE ARE

About Daxun

Daxun is a vertically integrated global manufacturer of metal products and complementary technologies. Market leader in the manufacture of highly engineered critical fasteners for sheet metal coils, metal tubing, forged metals, marine, energy, military, general industrial, and aerospace applications. In addition, it produces extruded seamless pipe, plate, forgings and composite products for power generation and oil and gas applications; commercial and military alloy products; and metal alloys and other materials to the foundry and forging industries.

Our product features

Our time-tested Stainless steel

WHO WE ARE



Main Grades of Stainless Steel Bar & Rod

304	4	AISI304, SUS304, S30400, 1.4301
≤0.08% ≤2.00% ≤0.030%	18.0%~20.0%	Remainder
C <mark>Si</mark> Mn P <mark>S Ni</mark>	Cr	N Fe
≤0.75% ≤0.045% 8.0%~10.5%		≤0.10%
304L	А	ISI304L, SUS304L, S30403, 1.4306
≤0.03% ≤2.00% ≤0.030%	18.0%~20.0%	Remainder
C Si Mn PS Ni	Cr	N Fe
≤0.75% ≤0.045% 8.0%~12.0%		≤0.10%
316		AISI316, SUS316, S31600, 1.4401
≤0.08% ≤2.00% ≤0.030%	16.0%~18.0%	≤0.10%
C <mark>Si</mark> Mn PS Ni	Cr	Mo <mark>N</mark> Fe
≤0.75% ≤0.045% 10.0%~14.0%		2.0%~3.0% Remainder
316L	Α	ISI316L, SUS316L, S31603, 1.4404
≤0.03% ≤2.00% ≤0.030%	16.0%~18.0%	≤0.10%
C <mark>Si</mark> MnP <mark>S</mark> Ni	Cr	Mo <mark>N</mark> Fe
≤0.75% ≤0.045% 10.0%~14.0%		2.0%~3.0% Remainder
321		AISI321, SUS321, S32100, 1.4541
≤0.08% ≤2.00% ≤0.030%	17.0%~19.0%	≤0.10% Remainder
C <mark>Si</mark> MnPSNi	Cr	Ti N Fe
≤0.75% ≤0.045% 9.0%~12.0%		
316Ti	AI	SI316Ti, SUS316Ti, S31635, 1.4571
≤0.08% ≤2.00% ≤0.030%	16.0%~18.0%	
C <mark>Si</mark> Mn PS Ni	Cr	Mo Ti N Fe
≤0.75% ≤0.045% 10.0%~14.0%		2.0%~3.0% ≤0.10% Remainder
317L	Α	ISI317L, SUS317L, S31726, 1.4438
≤0.03% ≤2.00% ≤0.030%	18.0%~20.0%	≤0.10%
C <mark>Si</mark> MnP <mark>S</mark> Ni	Cr	Mo <mark>N</mark> Fe
≤0.75% ≤0.045% 11.0%~15.0%		3.0%~4.0% Remainder
310S	A	ISI310S, SUS310S, S31008, 1.4845
≤0.08% ≤2.00% ≤0.030%		24.0%~26.0%
C Si Mn PS Ni		Cr Fe
≤1.50% ≤0.045% 19.0%~22.0%		Remainder
347		AISI347, SUS347, S34700, 1.4550
≤0.08% ≤2.00% ≤0.030%	17.0%~19.0%	Remainder
C <mark>Si</mark> MnPSNi	Cr	Nb Fe

	S31803 ≤0.03% ≤2.00% ≤0.020% C Si Mn PS Ni ≤1.00% ≤0.030% 4.5%~6.5% S32205 ≤0.03% ≤2.00% ≤0.020% C Si Mn PS Ni	21.0%~ C 22.0%~ C
	S32750 ≤0.03% ≤1.20% ≤0.020% C Si Mn PS Ni ≤0.80% ≤0.035% 6.0%~8.0%	24.09
	904L ≤0.02% ≤2.00% ≤0.035% C Si Mn PS ≤1.00% ≤0.045% 23.0%	Ni %~28.0%
	≤0.02% ≤1.00% ≤0.010% C Si Mn PS Ni ≤0.80% ≤0.030% 17.5%~18.5	%
	17-4PH ≤0.07% ≤1.00% ≤0.030% C Si Mn PS Ni ≤1.00% ≤0.040% 3.0%~5.0%	15.0%~17.5% Cr
3	253MA 0.05%~0.10% ≤2.00% ≤0.030% C Si Mn PS Ni 1.40%~2.20% ≤0.040% 10.0%~12.0%	2
	301 ≤0.15% ≤2.00% ≤0.030% C Si Mn PS Ni ≤1.00% ≤0.045% 6.0%~8.0%	16.0%~1 Cr
	302 ≤0.15% ≤2.00% ≤0.030% C Si Mn PS Ni ≤0.75% ≤0.045% 8.0%~10.0%	17.0%

Main Grades of Stainless Steel Bar & Rod

Main Grades of Stainless Steel Bar & Rod

21.0%~23.0%

22.0%~23.0

24.0%~26

20.0%

16.0%~18.0%

17.0%~19.

	F51, SUS3	3 29J3L , 1	.4462	
6	0.08%~0.	20%		
	Mo N	Fe		
	2.5%~3.5%	Remaind	er	
	2205, SUS32	9J3L, F5	1, 1.446	2
%	0.14%~0).20%		
	Mo N	Fe		
	3.0%~3.5%	Remain	der	
	2507, NAS7	4N, F53,	1.4410	
.09	%	≥0.50%	Remain	der
	Мо	Cu N	Fe	
	3.0%~5.0	% 0.24%~	0.32%	
	AISI904L, SUS9	04L, N08	904, 1.4	539
	19.0%~23.0%		1.	0%~2.0%
	Cr			Cu N
		4	4.0%~5.0%	≦0.10%
	AISI254SMo, SUS2	54SMo,	S31254,	1.4547
	19 5%~20 5%			
	13.070 20.070	0	.5%~1.0%	Remainde
	Cr	Mo	.5%~1.0% Cu	Remainde N
	Cr	Mo 6.0%~6.5	.5%~1.0% Cu I % ≤0.	Remainde 1 10%
	Cr AISI630, SUS6	Mo 6.0%~6.5 30, S174	.5%~1.0% Cu I % ≤0. .00, 1.45	Remainde
	Cr AISI630, SUS6	Mo 6.0%~6.5 30, S174	.5%~1.0% Cu i % ≤0. 00, 1.45	Remainde
	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe	Mo 6.0%~6.5 30, S174	.5%~1.0% Cu I % ≤0. 00, 1.45	Remainde
3	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema	Mo 6.0%~6.5' 330, S174 inder	.5%~1.0% Cu t % ≤0. 00, 1.45	Remainde
3	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2	Mo 6.0%~6.5 30, S174 inder 53MA, S	.5%~1.0% Cu t % ≤0. 000, 1.45 30815, 1	Remainde 10% 42
3	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 3.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei	Mo 6.0%~6.5 330, S174 inder 53MA, S mainder	.5%~1.0% Cu I % ≤0. 00, 1.45 30815, 1	Remainde 10% 42
3 ~~2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei	Mo 6.0%~6.5 30, S174 inder 53MA, S mainder	.5%~1.0% Cu r % ≤0. 00, 1.45 30815, 1	Remainde 10% 42
o∼2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu NbTa Fe 3.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei ce Fe 0.03%~0.08%	Mo 6.0%~6.5 30, S174 inder 53MA, S mainder	.5%~1.0% Cu I % ≤0. 00, 1.45 30815, 1	Remainde
° ∽∕2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei ce Fe 0.03%~0.08% AISI301, SUS3	Mo 6.0%~6.5 30, S174 inder 53MA, S mainder	.5%~1.0% Cu I % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde 10% 42 .4835
,~2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Ret co Fe 0.03%~0.08% AISI301, SUS3 Remainder	Mo 6.0%~6.5 30, S174 inder 53MA, S mainder	.5%~1.0% Cu r % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde 10% 42 1.4835
° Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 3.0%~5.0% Rema AISI253MA, SUS2 22.0% Ref ce Fe 0.03%~0.08% AISI301, SUS3 Remainder N Fe	Mo 6.0%~6.5 30, S174 inder 53MA, S mainder	.5%~1.0% Cu I % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde 10% 42 .4835
3 .~~2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 3.0%~5.0% Rema AISI253MA, SUS2 22.0% Ret ce Fe 0.03%~0.08% AISI301, SUS3 Remainder N Fe ≤0.10%	Mo 6.0%~6.5 30, S174 inder 53MA, S mainder	.5%~1.0% Cu r % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde 10% 42 1.4835
3 ~~2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei co Fe 0.03%~0.08% AISI301, SUS3 Remainder N Fe ≤0.10% AISI302, SUS3	Mo 6.0%-6.5 30, S174 inder 53MA, S mainder 01, S301	.5%~1.0% Cu r % ≤0. 000, 1.45 30815, 1 000, 1.43	Remainde 10% 42 1.4835 19
3 ~~2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei ce Fe 0.03%~0.08% AISI301, SUS3 Remainder N Fe ≤0.10% AISI302, SUS3	Mo 6.0%-6.5 330, S174 inder 53MA, S mainder 01, S301 02, S302 er	.5%~1.0% Cu I % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde
3 0~2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu Nb Ta Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei cc Fe 0.03%~0.08% AISI301, SUS3 Remainder N Fe ≤0.10% AISI302, SUS3 6 Remainder	Mo 6.0%-6.5 30, S174 inder 53MA, S mainder 01, S301 02, S302	.5%~1.0% Cu r % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde
3 2 Cr	Cr AISI630, SUS6 Nb+Ta: 0.15%~0.45% Cu NbTa Fe 8.0%~5.0% Rema AISI253MA, SUS2 22.0% Rei ce Fe 0.03%~0.08% AISI301, SUS3 Remainder N Fe ≤0.10% AISI302, SUS3 6 Remainder	Mo 6.0%-6.5 330, S174 inder 53MA, S mainder 01, S301 02, S302 er	.5%~1.0% Cu I % ≤0. 00, 1.45 30815, 1 00, 1.43	Remainde

Main Grades of Stainless Steel Bar & Rod

304N	Al	SI304N, SUS304N1, S30451, 1.4315
≤0.08% ≤2.00% ≤0.030%	18.0%~20.0%	Remainder
C <mark>Si</mark> Mn P <mark>S Ni</mark>	Cr	N Fe
≤0.75% ≤0.045% 8.0%~10.5%		0.10%~0.60%
304H	A	ISI304H, SUS304, S30409, 1.4948
0.04%~0.10% ≤2.00% ≤0.030%	18.0%~20.0%	
C <mark>Si</mark> Mn P <mark>S Ni</mark>	Cr	Fe
≤0.75% ≤0.045% 8.0%~10.5%		Remainder
309S	A	ISI309S, SUS309S, S30908, 1.4833
≤0.08% ≤2.00% ≤0.030%	22.0%~24	1.0%
C <mark>Si</mark> Mn P <mark>S Ni</mark>	Cr	Fe
≤0.75% ≤0.045% 12.0%~15.0%		Remainder
310H	A	SI310H, SUS310H, S31009, 1.4845
0.04%~0.10% ≤2.00% ≤0.030%		24.0%~26.0%
C Si Mn PS Ni		Cr Fe
≤0.75% ≤0.045% 19.0%~22.0%		Remainder
316LN	AIS	1316LN, SUS316LN1, S31653, 1.4429
≤0.03% ≤2.00% ≤0.030%	16.0%~18.0%	0.10%~0.60%
C <mark>Si</mark> Mn P <mark>S Ni</mark>	Cr	Mo <mark>N</mark> Fe
≤0.75% ≤0.045% 10.0%~14.0%		2.0%~3.0% Remainder
316H	A	SI316H, SUS316H, S31609, 1.4436
0.04%~0.10% ≤2.00% ≤0.030%	16.0%~18.0%	Remainder
C Si Mn PS Ni	Cr	Mo Fe
≤0.75% ≤0.045% 10.0%~14.0%		2.0%~3.0%
321H	A	ISI321H, SUS321H, S32109, 1.4541
0.04%~0.10% ≤2.00% ≤0.030%	17.0%~19.0%	Remainder
C Si Mn PS Ni	Cr	Ti Fe
≤0.75% ≤0.045% 9.0%~12.0%		
347H	A	ISI347H, SUS347H, S34709, 1.4912
0.04%~0.10% ≤2.00% ≤0.030%	17.0%~19.0%	Remainder
C Si Mn PS Ni	Cr	Nb Fe
≤0.75% ≤0.045% 9.0%~13.0%		8xC%~1.00%
S32760		F55, 1.4501
≤0.03% ≤1.00% ≤0.010%	24.0%~26.0%	0.50%~1.00% 0.20%~0.30%
C <mark>Si</mark> Mn <mark>PS</mark> Ni	Cr	Mo Cu W N Fe
≤1.00% ≤0.030% 6.0%~8.0%		3.0%~4.0% 0.50%~1.00% Remainder

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Main Grac	des of Stainl	ess Steel Bar a	& Rod
S32304		2304, DP1 ⁴	1, 1.4362
≤0.03% ≤2.50% ≤0.030%	21.5%~24.5%	0.05%~0.60% Ren	nainder
C <mark>Si</mark> MnPSNi	Cr	Mo Cu <mark>N</mark> Fe	
≤1.00% ≤0.040% 3.0%~5.5%		0.05%~0.60% 0.05%~0.20	0%
S32550		255, SUS329J4L, (QSA2505, 1.4507
≤0.04% ≤1.50% ≤0.030%	24.0%~27.0%	1.50 %	%~2.50% Remainder
C <mark>Si</mark> MnPSNi	Cr	Mo	Cu N Fe
≤1.00% ≤0.040% 4.5%~6.5%		2.9%~3.9%	0.10%~0.25%
S32900		329, SUS329	J1, 1.4477
≤0.08% ≤1.00% ≤0.030%	23.0%~28.0%	Remai	inder
C <mark>Si</mark> MnP <mark>SNi</mark>	Cr	Mo Fe	
≤0.75% ≤0.040% 2.0%~5.0%		1.0%~2.0%	
S32950		F52	2
≤0.03% ≤2.00% ≤0.010%	26.0%~29.0%	0.15%~0.3	35%
C <mark>Si</mark> Mn P <mark>S Ni</mark>	Cr	Mo N	Fe
≤0.60% ≤0.035% 3.5%~5.2%		1.0%~2.5%	Remainder
926		AISI926, SUS926,	N08926, 1.4529
≤0.02%≤2.00% ≤0.010%		19.0%~21.0%	0.5%~1.5%
C <mark>Si</mark> Mn <mark>P</mark> s	Ni	Cr	Mo Cu N
≤0.50% ≤0.030% 24.0	%~26.0%		6.0%~7.0% 0.15%~0.25%
654SMo		AISI654SMo, SUS6545	SMo, S32654, 1.4652
≤0.02% 19.5%~20.5% ≤0.005%		24.0%~25.0%	0.3%~0.6%
C <mark>Si</mark> Mn P <mark>s N</mark>	li	Cr	Mo Cu N
≤0.50% ≤0.030% 21.0%	~23.0%		7.0%~8.0% 0.45%~0.55%
17-7PH		AISI631, SUS631,	S17700, 1.4568
≤0.08% ≤1.00% ≤0.030%	16.0%~18.0%	Remainder	
C <mark>Si</mark> MnPSNi	Cr	Al Fe	
≤0.75% ≤0.040% 6.0%~7.7%		0.75%~1.0%	
PH15-7Mo		AISI630, SUS630,	S15700, 1.4542
≤0.08% ≤1.00% ≤0.030%	14.0%~16.0%	0.75%~1.0%	
C <mark>Si</mark> MnPSNi	Cr	Mo Al Fe	
≤0.75% ≤0.040% 6.0%~7.7%		2.0%~3.0% Remaind	ler
15-5PH		S155	500
≤0.07% ≤1.00% ≤0.030%	14.0%~15.5%	Nb+Ta: 0.15%~0.45%	
C <mark>Si</mark> MnP <mark>SNi</mark>	Cr	Cu <mark>Nb</mark> Ta Fe	
≤1.00% ≤0.040% 3.5%~5.5%	2.8	5%~4.5% Remainder	

Main Grades of Stainless Steel Bar & Rod

410		AISI410, SUS410, S41000, 1.4006
08%~0.15% ≤1.00% ≤0.030% 11	1.5%~13.5%	
C Si Mn <mark>P</mark> S Ni	Cr	Fe
≤1.00% ≤0.040% ≤0.75%		Remainder
410S		AISI410S, SUS410S, S41008, 1.4000
<0.08% <1.00% <0.030% 11	5%~13 5%	
C Si Mn PS Ni	Cr	Fe
≤1.00% ≤0.040% ≤0.6%		Remainder
400	AISIA	120 5115420 14 5115420 12 4 4024 4 4028 542000
	AISI42	20, 30342031, 30342032, 1.4021, 1.4020, 342000
20.15% \$1.00% \$0.030%	Re Er	emainder
≤1.00% ≤0.040% 12.0%	~14.0%	
420F		AISI420F, SUS420F, S42020, 1.4029
30%~0.40% ≤1.50% 0.20%~0.34°	% 12.5%~14.0%	Remainder
C Si Mn P S Ni	Cr	Cu Fe
≤1.00% ≤0.060% ≤0.50%		≤0.60%
121		AISI431 SUS431 S43100 1 4057
431		
≤0.20% ≤1.00% ≤0.030%	15.0%~17.0%	
C Si Mn PS Ni	Cr	Fe
21.00 /0 20.040 /0 1.25 /0~2.30	0 70	Remainder
440A		AISI440A, SUS440A, S44002
60%~0.75% ≤1.00% ≤0.030%		≤0.75%
C Si Mn PS	Cr	Mo Fe
≤1.00% ≤0.040% 1	6.0%~18.0%	Remainder
4400		AIG1440D CUICA40D C44002 4 4442
440B		AISI440B, SUS440B, S44003, 1.4112
75%~0.95% ≤1.00% ≤0.030%		≤0.75%
	C	
C Si Mn PS		Mo Fe
C Si Mn PS ≤1.00% ≤0.040%	Cr 16.0%~18.0%	Mo Fe Remainder
c si Mn PS ≤1.00% ≤0.040% 440C	16.0%~18.0%	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125
C Si Mn P S ≤1.00% ≤0.040% 440C 95%~1.20% ≤1.00% ≤0.030%	16.0%~18.0%	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125 ≤0.75%
C Si Mn P S ≤1.00% ≤0.040% 440C 95%~1.20% ≤1.00% ≤0.030% C Si Mn P S	Cr 16.0%~18.0% Cr	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125 ≤0.75% Mo Fe
C Si Mn P S ≤1.00% ≤0.040% 440C 95%~1.20% ≤1.00% ≤0.030% C Si Mn P S ≤1.00% ≤0.040%	Cr 16.0%~18.0% Cr 16.0%~18.0%	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125 ≤0.75% Mo Fe Remainder
C Si Mn PS ≤1.00% ≤0.040% 440C 95%~1.20% ≤1.00% ≤0.030% C Si Mn PS ≤1.00% ≤0.040%	Cr 16.0%~18.0% Cr 16.0%~18.0%	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125 ≤0.75% Mo Fe Remainder
C Si Mn P S ≤1.00% ≤0.040% 440C 95%~1.20% ≤1.00% ≤0.030% C Si Mn P S ≤1.00% ≤0.040% 409(L)	Cr 16.0%~18.0% Cr 16.0%~18.0% AISI4	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125 ≤0.75% Mo Mo Fe Remainder 409, AISI409L, SUH409, SUH409L, S40900, 1.4512
C Si Mn PS ≤1.00% ≤0.040% 440C 95%~1.20% ≤1.00% ≤0.030% C Si Mn PS ≤1.00% ≤0.040% 409(L) ≤0.03% ≤0.020% 10.5%	Cr 16.0%~18.0% 16.0%~18.0% AISI4 %~11.7% ≤0.	Mo Fe Remainder AISI440C, SUS440C, S44004, 1.4125 ≤0.75% Mo Fe Remainder 409, AISI409L, SUH409, SUH409L, S40900, 1.4512 0.50% Remainder



Main Grades of Stainless Steel Bar & Rod

AISI430, SUS430, S43000, 1.4016

Fe

Remainder

AISI434, SUS434, S43400, 1.4113

0.75%~1.25% Fe

Remainder

AISI436, SUS436, S43600, 1.4536

0.75%~1.25% Remainder

Nb Fe

5*C%~0.8%

16.0%~18.0%

AISI439, SUS430LX, S43035, 1.4510

Remainder

N Fe

≤0.030%

AISI444, SUS444, S44400, 1.4521

Remainder

17.5%~19.5% Ti+Nb: [0.20+4x(C%+N%)]~0.80%

Mo Ti Nb N Fe

1.75%~2.50% ≤0.030%

Package

IDaxun packs all stainless steel rods according to international standards to prevent damage or loss. By default, we will use thick woven plastic bags to pack the finished pipes in batches. However, for some special pipes that are prone to dirt, scratches, pressure or severe handling, we recommend using wooden boxes for protection. Keep in mind that wooden boxes may incur additional costs, not only for the box itself, but also for higher shipping costs, especially for air freight. We also provide customized packaging to meet your specific needs for a better customer experience.





Wooden case

Logistics

By default, we will quote based on sea transportation, such as FOB, CFR, CIF and the like for most enquiries or orders. Quotation based on air transportation is also optional upon your request for urgent demands.



By sea



By air





Specifications

- Diameter: 2mm-600mm
- Delivery State: Cold Drawn, Hot Rolled, Forged, Grinding, Centerless Grinding
- Finish: Bright, Polishing, Mirror, Hairline,
- Pickled, Peeled, Black
- Hot-selling Products:
- a. Stainless Steel Black Bar
- b. Stainless Steel Bright Bar
- c. S.S. Hot Rolled Round Bar
- d. Stainless Steel Forged Bar
- Tolerance: h9, h11

Applications

Home appliances, electric appliances, construction materials, medical equipment, auto parts, petroleum, chemical application, agricultural irrigation, edible oil refinery factories, paper plants, shipyard, nuclear power plant etc.

Introduction

Stainless steel round bars fall into two categories : long products and bar materials. SS round bar is a long stainless steel product with a round cross-section.

The stainless circular bar can be customized in lengths such as 5.8m, 6m, and 4m. Bright stainless steel round bar is a cold drawn bar with a bright, smooth finish. Black bar stainless steel is hot rolled SS bar with a black surface, also known as an oxide skin, that forms after being exposed to high temperatures. Stainless steel round bars (also known as stainless steel rods) are widely used in a variety of industries, including kitchenware, shipbuilding, petrochemicals, equipment, medicine, food, electricity, energy, aerospace, construction and decoration, underwater equipment, chemistry, dye, papermaking, oxalate, fertilizer production equipment, photography, coastland facilities, wire ropes, CD rods, screws, and nuts.

Standards

ASTM A276, ASTM A484, ASTM A484M, DIN 671, DIN 1013, EN 10060, EN 10278, GB1220

Features

Anti-corrosion (the degree is susceptible to the alloys contained), heat-resistance, good cold and hot working properties, good toughness, good comprehensive performances and wide application.

Manufacturing Process



Drawing & Formula

L

Formula:

m = OD (mm) × OD (mm) × L (m) × 0.00623 * For 400 series stainless steel, ratio=0.00609 OD = Outer diameter, L = Length



Tolerance

Tolerance for Hot Rolled Round Bars

Sizo	Tolerance Rank			
Size	Group 1	Group 2	Group 3	
>7 ~ ≤20	±0.25	±0.35	±0.40	
>20 ~ ≤30	±0.30	±0.40	±0.50	
>30 ~ ≤50	±0.40	±0.50	±0.60	
>50 ~ ≤80	±0.60	±0.70	±0.80	
>80 ~ ≤110	±0.90	±1.00	±1.10	
>110 ~ ≤150	±1.20	±1.30	±1.40	

Tolerance for Hot Forging Round Bars

0 inc	Toleran	ce Rank
Size	Group 1	Group 2
>50 ~ ≤60	+1.5 -1.0	+2.0 -1.0
>60 ~ ≤80	+2.0 -1.0	+2.5 -1.0
>80 ~ ≤100	+2.5 -1.0	+3.0 -1.0
>100 ~ ≤120	+2.5 -1.5	+3.0 -1.5
>120 ~ ≤140	+3.0 -1.5	+3.5 -1.5
>140 ~ ≤160	+3.0 -2.0	+4.0 -2.0
>160 ~ ≤180	+4.0 -2.0	+5.0 -2.0
>180 ~ ≤200	+5.0 -2.0	+6.0 -2.0
>200 ~ ≤220	+5.0 -3.0	+6.0 -3.0
>220 ~ ≤240	+6.0 -3.0	+7.0 -3.0
>240 ~ ≤250	+7.0 -3.0	+8.0 -3.0
>250 ~ ≤300	+8.0 -3.0	+9.0 -3.0

Tolerance for Cold Drawn Round Bars

	Sizo	Tolerance Rank					
/	Size	H8	H9	H10	H11	H12	H13
	3	0~-0.014	0 ~ -0.025	0 ~ -0.040	0 ~ -0.060	0 ~ -0.100	0 ~ -0.140
	>3 ~ ≤6	0~-0.018	0 ~ -0.030	0 ~ -0.048	0 ~ -0.075	0 ~ -0.120	0 ~ -0.180
	>6 ~ ≤10	0 ~ -0.022	0 ~ -0.036	0 ~ -0.058	0 ~ -0.090	0 ~ -0.150	0 ~ -0.220
	>10 ~ ≤18	0 ~ -0.027	0 ~ -0.043	0 ~ -0.070	0 ~ -0.110	0 ~ -0.180	0 ~ -0.270
	>18 ~ ≤30	0 ~ -0.033	0 ~ -0.052	0 ~ -0.084	0 ~ -0.130	0 ~ -0.210	0 ~ - 0.330
	>30 ~ ≤50	0~-0.039	0 ~ -0.062	0 ~ -0 .100	0 ~ -0.160	0 ~ -0 .250	0 ~ -0.390
-	>50 ~ ≤80	0~-0.046	0 ~ -0.074	0 ~ - 0.120	0 ~ -0.190	0 ~ -0 .300	0 ~ -0.460

Delivery State

Delivery State Choice	Surface Condition		
	Black		
Forgea	Polished		
	Black		
Hot Rolled	Polished		
	Bright		
	Pickled		
	Polished		
Cold Drawn	Bright		



DAXUN



Flat Bar





Specifications

- Dimension: 3mm 180mm
- Delivery State: Cold Drawn, Hot Rolled,
- Grinding, Forged, Centerless Grinding
- Finish: Polished, Bright, Hairline, Grinded, Sandblast, Pickled, Mill Finish

Standards

ASTM A276, ASTM A484M, ASTM A582, DIN 178, DIN1014, EN 10059, EN10278

Applications

Home appliances, electric appliances, construction materials, medical equipment, auto parts, petroleum, chemical application, agricultural irrigation, edible oil refinery factories, paper plants, shipyard, nuclear power plant etc.

Introduction

Stainless Steel Square Bars are long stainless steel products with a square cross-section. Daxun can manufacture cold drawn, hot rolled and hot forged SS Square Bars to your specifications. The main ASTM standards we manufacture stainless steel square bars to include A276, A479, A182 and A484. We offer cold drawn and hot rolled stainless steel square bars in sizes ranging from 50×50mm to 80×80mm. By default, we manufacture hot rolled/ forged SS square bars of 80×80mm and above. We can provide a wide range of sizes and grades to meet your specific requirements. Custom sizes or grades are allowed when the minimum order quantity exceeds one ton. Our stainless steel square bars are ideal for manufacturing machined components or for use as connectors.

Features

Anti-corrosion (the degree is susceptible to the alloys contained), heat-resistance, good cold and hot working properties, good toughness, good comprehensive performances and wide application.



Manufacturing Process





Formula:

 $m = A (mm) \times A (mm) \times L (m) \times 0.00793$ * For 316, 316L, 310S, 309S, etc., ratio=0.00798. For 400 series stainless steel, ratio=0.00775 A = Side width, L = Length

Packing & Shipping

Drawing & Formula

L



Tolerance

Tolerance for Hot Rolled Square Bars

Sizo	Tolerance Rank				
5120	Group 1	Group 2	Group 3		
>7 ~ ≤20	±0.25	±0.35	±0.40		
>20 ~ ≤30	±0.30	±0.40	±0.50		
>30 ~ ≤50	±0.40	±0.50	±0.60		
>50 ~ ≤80	±0.60	±0.70	±0.80		
>80 ~ ≤110	±0.90	±1.00	±1.10		
>110 ~ ≤150	±1.20	±1.30	±1.40		

Tolerance for Hot Forging Square Bars

Sizo	Tolerance Rank		
Size	Group 1	Group 2	
>50 ~ ≤60	+1.5 -1.0	+2.0 -1.0	
>60 ~ ≤80	+2.0 -1.0	+2.5 -1.0	
>80 ~ ≤100	+2.5 -1.0	+3.0 -1.0	
>100 ~ ≤120	+2.5 -1.5	+3.0 -1.5	
>120 ~ ≤140	+3.0 -1.5	+3.5 -1.5	
>140 ~ ≤160	+3.0 -2.0	+4.0 -2.0	
>160 ~ ≤180	+4.0 -2.0	+5.0 -2.0	
>180 ~ ≤200	+5.0 -2.0	+6.0 -2.0	
>200 ~ ≤220	+5.0 -3.0	+6.0 -3.0	
>220 ~ ≤240	+6.0 -3.0	+7.0 -3.0	
>240 ~ ≤250	+7.0 -3.0	+8.0 -3.0	
>250 ~ ≤300	+8.0 -3.0	+9.0 -3.0	

Tolerance for Cold Drawn Square Bars

Sizo	Tolerance Rank					
Size	H8	H9	H10	H11	H12	H13
3	0~-0.014	0 ~ -0.025	0 ~ -0.040	0 ~ -0.060	0 ~ -0.100	0 ~ -0.140
>3 ~ ≤6	0~-0.018	0 ~ -0.030	0 ~ -0.048	0 ~ -0.075	0 ~ -0.120	0 ~ -0.180
>6 ~ ≤10	0 ~ - 0.022	0 ~ -0.036	0 ~ -0.058	0 ~ -0.090	0 ~ -0.150	0 ~ -0.220
>10 ~ ≤18	0 ~ -0.027	0 ~ -0.043	0 ~ -0.070	0 ~ -0.110	0 ~ -0.180	0 ~ -0.270
>18 ~ ≤30	0 ~ -0.033	0 ~ -0.052	0 ~ -0.084	0 ~ -0.130	0~-0.210	0 ~ -0.330
>30 ~ ≤50	0 ~ -0.039	0 ~ -0.062	0 ~ -0.100	0 ~ -0.160	0 ~ -0 .250	0 ~ -0.390
>50 ~ ≤80	0~-0.046	0 ~ -0.074	0 ~ -0.120	0 ~ -0.190	0 ~ -0.300	0~-0.460

Delivery State

Delivery State Choice	Surface Condition		
Forged			
Hot Ballad	Pickled		
Hot Rolled	Sand Blasting		
Cold Drawn	Bright		
Note: 1. If you require different deliver state than th 2. In case of any enquiry or order, please kindly let	e above listed, kindly confirm with us. us know any extra requirement not indicated here.		





DAXUN



Hexagon Bar





Specifications

- Dimension: 6mm-80mm
- Delivery State: Cold Drawn

Standards

ASTM A276, ASTM A484M, DIN 176, EN10278

Features

Anti-corrosion (the degree is susceptible to the alloys contained), heat-resistance, good cold and hot working properties, good toughness, good comprehensive performances and wide application.

Introduction

Stainless steel hexagonal bar is a solid stainless steel long product with a hexagonal cross section. Daxun produces stainless steel hexagonal bar in many sizes and grades. The most commonly used specification is ASTM A276, which covers hot-worked and cold-worked bars. Stainless steel hexagonal bars are often used to make machined parts such as hexagonal bolts, nuts and plugs because of their high precision (tolerance can reach ±0.01mm), bright and smooth surface, corrosion resistance, high tensile strength and high fatigue strength . In addition, SS hexagonal bars are also used in automobiles, elevators, kitchen appliances, pressure vessels and other promising industries because they are safe for the environment and have a long service life.

Applications

Home appliances, electric appliances, construction materials, medical equipment, auto parts, petroleum, chemical application, agricultural irrigation, edible oil refinery factories, paper plants, shipyard, nuclear power plant etc.



Manufacturing Process

Drawing & Formula

L





Formula:

m = D (mm) × D (mm) × L (m) × 0.00686 D = Diameter between two adjacent side width, L = Length



Tolerance

Tolerance for Hot Rolled Hexagon Bars

Sizo	Tolerance Rank				
5120	Group 1	up 1 Group 2 Grou			
8 ~ 20	±0.25	±0.35	±0.40		
21 ~ 30	±0.30	±0.40	±0.50		
30 ~ 50	±0.40	±0.50	±0.60		
50 ~ 70	±0.60	±0.70	±0.80		

Tolerance for Cold Drawn Hexagon Bars

Sizo	Tolerance Rank					
Size	H8	H9	H10	H11	H12	H13
3	0 ~ -0.014	0 ~ -0.025	0 ~ -0.040	0 ~ -0.060	0 ~ -0.100	0~-0.140
>3 ~ ≤6	0 ~ -0.018	0 ~ -0.030	0 ~ -0.048	0 ~ -0.075	0 ~ -0.120	0 ~ -0.180
>6 ~ ≤10	0 ~ -0.022	0~-0.036	0 ~ -0.058	0 ~ -0.090	0 ~ -0.150	0~-0.220
>10 ~ ≤18	0 ~ -0.027	0~-0.043	0 ~ -0.070	0 ~ -0.110	0 ~ -0.180	0 ~ -0.270
>18 ~ ≤30	0 ~ -0.033	0 ~ -0.052	0 ~ -0.084	0 ~ -0.130	0 ~ -0.210	0 ~ -0.330
>30 ~ ≤50	0 ~ -0.039	0 ~ -0.062	0 ~ -0.100	0 ~ -0.160	0 ~ -0.250	0 ~ -0.390
>50 ~ ≤80	0 ~ -0.046	0~-0.074	0 ~ -0.120	0 ~ -0.190	0 ~ -0.300	0 ~ -0.460



Delivery State

Surface Condition
Polished
Pickled
Sand Blasting
Polished
e above listed, kindly confirm with us. us know any extra requirement not indicated here.





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