

MATERIALS FOR
STUDBOLTS - BOLTS - SPECIAL PIECES



SALES DEPT.: TEL. ++39 02 96.97.98.20
PURCHASE DEPT.: TEL. ++39 02 96.97.98.30
EXPEDITING DEPT.: TEL. ++39 02 96.97.98.40

VIA DELL'ARTIGIANATO 12 - 22078 TURATE (CO) - ITALY
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PRESS BOLT
S.R.L.

MATERIALS SPECIFICATIONS				CHARACTERISTICS				
NAME	NR	GRADE	SERVICE	SIZE STANDARD LIMITS	HB (INDICATIVE)	REMARKS		
ASTM	A 182	F51	S	ALL	≥ 180			
		F44	S	ALL	≥ 200			
		F53	S	ALL	≥ 240			
ASTM	A 193	B5	H	≤ 4"	-			
		B6	H	≤ 4"	-			
		B7	H	≤ 7"	≤ 321			
		B7M	S	≤ 7"	≤ 235	SOUR SERVICE		
		B16	H	≤ 8"	≤ 321			
		B8 CL 1	H	ALL	≤ 223			
		B8 CL 2	H	≤ 1.1/2"	≤ 321	STRAIN HARDENED		
		B8M CL 1	H	ALL	≤ 223			
		B8M CL 2	H	≤ 1.1/2"	≤ 321	STRAIN HARDENED		
		B8T CL 1	H	ALL	≤ 223			
		B8C CL 1	H	ALL	≤ 223			
ASTM	A 320	L7	L	≤ 2.1/2"	-			
		L7M	S	≤ 2.1/2"	≤ 235	SOUR SERVICE		
		L43	L	≤ 4"	-			
		B8 CL 1	L	ALL	≤ 223			
		B8 CL 2	L	≤ 1.1/2"	≤ 321	STRAIN HARDENED		
		B8M CL 1	L	ALL	≤ 223			
		B8M CL 2	L	≤ 1.1/2"	≤ 321	STRAIN HARDENED		
		B8T CL 1	L	ALL	≤ 223			
		B8C CL 1	L	ALL	≤ 223			
		A 453		651 A	S	ALL	217/277	
				651 B	S	ALL	212/269	
660 A	S			ALL	248/341			
660 B	S			ALL	248/341			
A 540				B23	S	≤ 6"	248/429	ALL CLASSES
		B24	S	≤ 6"	248/415	ALL CLASSES		
A 564		630	S	≤ 8"	≥ 302	SOLUTION TREATED 1100°F		
DIN	17240	C35	H	≤ 100 mm	≥ 150			
		CK35	H	≤ 100 mm	≥ 150			
		24CrMo5	H	≤ 100 mm	≥ 180			
		21CrMoV5 7	H	≤ 250 mm	≥ 210			
		40CrMoV4 7	H	≤ 100 mm	≥ 270			
		X22CrMoV12 1	H - S	≤ 250 mm	≥ 240			
		X19CrMoVNbN11 1	H - S	≤ 250 mm	≥ 270			
		X8CrNiMoBNb16 16	H - S	≤ 100 mm	≥ 200			
		NiCr20TiAl	H - S	≤ 160 mm	≥ 300			
DIN	17440	X5CrNi18 10	S	≤ 160 mm	≥ 150			
REGISTERED TRADE MARKS	-	MONEL	S	ALL	-	ALL IDENTIFICATION NUMBERS		
	-	INCONEL	S	ALL	-			
	-	HASTELLOY	S	ALL	-			
	-	NIMONIC	S	ALL	-			

H = High temperature service

L = Low temperature service

S = Special service

MATERIALS FOR NUTS



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MATERIALS SPECIFICATIONS				CHARACTERISTICS		
NAME	NR	GRADE	SERVICE	SIZE STANDARD LIMITS	HB (INDICATIVE)	REMARKS
ASTM	A 182	F51	S	ALL	≥ 180	
		F44	S	ALL	≥ 200	
		F53	S	ALL	≥ 240	
ASTM	A 194	2H	H	ALL	212/352	
		2HM	S	ALL	159/237	SOUR SERVICE
		3	H	ALL	248/352	
		4	H - L	ALL	248/352	
		6	H	ALL	228/271	
		6F	H	ALL	228/271	
		7	H - L	ALL	248/352	
		7M	S	ALL	159/237	SOUR SERVICE
		8	H	ALL	126/300	
		8T	H	ALL	126/300	
		8M	H	ALL	126/300	
		8F	H	ALL	126/300	
		8C	H	ALL	126/300	
ASTM	A 453	651 A - B	S	ALL	212/277	
		660 A	S	ALL	248/341	
		660 B	S	ALL	248/341	
		A 540 B23	S	≤ 6"	248/429	ALL CLASSES
		B24	S	≤ 6"	248/418	ALL CLASSES
A 564	630	S	≤ 8"	≥ 302	SOLUTION TREATED 1100°F	
DIN	17240	C35	H	≤ 100 mm	≥ 150	
		CK35	H	≤ 100 mm	≥ 180	
		24CrMo5	H	≤ 100 mm	≥ 180	
		21CrMoV5 7	H	≤ 250 mm	≥ 210	
		40CrMoV4 7	H	≤ 100 mm	≥ 270	
		X22CrMoV12 1	H - S	≤ 250 mm	≥ 240	
		X19CrMoVNbN11 7	H - S	≤ 250 mm	≥ 270	
		X8CrNiMoBNb16 16	H - S	≤ 100 mm	≥ 200	
		NiCr20TiA1	H - S	≤ 160 mm	≥ 300	
DIN	17440	X5CrNi18 10	S	≤ 160 mm	≥ 150	
REGISTERED TRADE MARKS		MONEL	S	ALL	-	ALL IDENTIFICATION NUMBERS
		INCONEL	S	ALL	-	
		HASTELLOY	S	ALL	-	
		NIMONIC	S	ALL	-	

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