

# Technical information

## Material table

F21



Material main group	Material sub-group	Quality	StNr	DIN	AFNOR	UNI	BS	JIS	SS	GOST	UNS	USA			
3 Tool steel	3.1 Non alloyed tool steel	3.1.1 general	1.1830	C 85 W	Y3 90			SK 5							
			1.1545	C 105 W1	Y1 105	C 100 KU			1880	U10A	T 72301	W 110			
	3.2 Tool steel for cold working	3.2.1 low alloyed up to 1000 N/mm <sup>2</sup>	1.2067	100 Cr 6	Y 100 C 6			BL 3				T 61203	L 3		
			1.2101	62 SiMnCr 4											
			1.2103	58 SiCr 8											
			1.2108	90 CrSi 5											
			1.2162	21 MnCr 5	20 NC 5					SCR 420 H					
			1.2210	115 CrV 3	100 C 3	107 CrV 3 KU							T 61202	L 2	
			1.2330	35 CrMo 4	34 CD 4	35 CrMo 4	708 A 37				2234	35 HM	T 51620	4135	
			1.2332	47 CrMo 4	42 CD 4	40 CrMo 4	708 M 40				2244			4142	
			1.2369	81 CrMov 42 16											
			1.2419	105 WCr 6	105 WC 13	107 WCr 5 KU				SKS 31		ChWG			
			1.2510	100 MnCrW 4	90 MWCV 5	95 MnWCr 5 KU	BO 1			SKS 3	2140		T 31501	O 1	
			1.2516	120 WV 4	110 WC 20	110 W 4 KU	BF 1								
			1.2542	45 WCrV 7		45 WCrV 8 KU	BS 1				2710		T 41901	S 1	
			1.2550	60 WCrV 7	55 WC 20	55 WCrV 8 KU									
			1.2721	50 NiCr 13											
			1.2735	15 NiCr 14	10 NC 12						SNC 22			T 51606	
			1.2762	75 CrMoNiW 6 7											
			1.2826	60 MnSiCr 4											
			1.2833	100 V 1	Y1 105 V	102 V 2 KU	BW 2			SKS 43				T 72302	W 210
			1.2842	90 MnCrV 8	90 MV 8	90 MnVCr 8 KU	BO 2							T 31502	O 2
			3.2.2 low alloyed up to 1200 N/mm <sup>2</sup>	1.2312	40 CrMnMoS 8 6										
				1.2711	54 NiCrMoV 6	55 NCDV 6									
			3.2.3 low alloyed up to 1500 N/mm <sup>2</sup>	1.2713	55 NiCrMoV 6	55 NCDV 7					SKT 4		5ChNM	T 61206	L 6
			3.2.4 high alloyed annealed	1.2080	X 210 Cr 12	Z 200 C 12	X 210 Cr 13 KU	BD 3		SKD 1			Ch12	T 30403	D 3
				1.2083	X 42 Cr 13	Z 40 C 14	X 41 Cr 13 KU				SUS 420 J 2				
				1.2341	X 6 CrMo 4										
				1.2363	X 100 CrMoV 5 1	Z 100 CDV 5	X 100 CrMoV 5 1 KU	BA 2		SKD 12		2260		T 30102	A 2
				1.2379	X 155 CrVMo 12 1	Z 160 CDV 12	X 155 CrVMo 12 1 KU	BD 2		SKD 11				T 30402	D 2
	1.2436	X 210 CrW 12		Z 200 CW 12	X 215 CrW 12 1 KU			SKD 2		2312					
	1.2601	X 165 CrMoV 12			X 165 CrMoW 12 KU					2310					
	1.2764	X 19 NiCrMo 4													
	1.2767	X 45 NiCrMo 4		Y 35 NCD 16	42 NiCrMo 15 7										
	1.2885	X 32 CrMoCoV 3 3 3		30 DCKV 28											
	3.2.5 high alloyed tempered	1.2316		X 36 CrMo 17		X 36 CrMo 16 1 KU									
		1.6356		X 2 NiCoMoTi 18 12 4											
		1.6358		X 2 NiCoMoTi 18 9 5											
	3.3 Tool steel for hot working	3.3.1 low alloyed up to 1200 N/mm <sup>2</sup>	1.2311	40 CrMnMo 7											
			1.2738	40 CrMnNiMo 8											
			1.2744	57 NiCrMoV 7 7											
		3.3.2 low alloyed up to 1500 N/mm <sup>2</sup>	1.2713	55 NiCrMoV 6	55 NCDV 7					SKT 4		5ChNM	T 61206	L 6	
			3.3.3 high alloyed annealed	1.2343	X 38 CrMoV 5 1	Z 38 CDV 5	X 37 CrMoV 5 1 KU	BH 11		SKD 6			4Ch5MFS	T 28811	H 11
1.2344		X 40 CrMoV 5 1		Z 40 CDV 5	X 40 CrMoV 5 1 KU	BH 13		SKD 61		2242	4Ch5MF1S	T 20813	H 13		
1.2365		X 32 CrMoV 3 3		32 DCV 28	30 CrMoV 12 27 KU	BH 10		SKD 7			3Ch3M3F	T 20810	H 10		
1.2367		X 38 CrMoV 5 3													
1.2567		X 30 WCrV 5 3		Z 32 WCV 5	X 30 WCrV 5 3 KU			SKD 4							
1.2581		X 30 WCrV 9 3		Z 30 WCV 9	X 30 WCrV 9 3 KU	BH 21		SKD 5			3Ch2W8F	T 20821	H 21		
1.2706		X 3 NiCrMo 18 8 5	E-Z 2 NKD 18									K 93120			
3.3.4 high alloyed tempered		1.2709	X 2 NiCoMoTi 18 9 5												
			tempered												