

Analysenübersicht

Analysis Comparison Chart

Niedrig legierter Werkzeugstahl

Low Alloy Tool Steel

Güte Grade	Name Name	Werkstoff-Nr. Material-No.	C in %	Si in %	Mn in %	P in %	S in %	Cr in %	Mo in %	Ni in %	V in %	B in %	Ti in %
	46Mn7	1.0912	0.40/0.50	0.35/0.50	1.60/1.90	≤0.050	≤0.050	0.20/0.30					
	51Mn7	1.5085	0.40/0.55	0.15/0.25	1.00/1.20	≤0.025	≤0.025	0.40/0.50					
	C60 / CK60	1.0601 / 1.1221	0.55/0.65	0.15/0.26	0.60/0.80								
BE2003	75Cr1	1.2003	0.74/0.80	0.25/0.40	0.65/0.80	≤0.025	≤0.010	0.30/0.45					
	CS80		0.75/0.85	0.05/0.35	0.50/0.90	≤0.025	≤0.025	≤0.40					
BE1248	C75S/CK75	1.1248	0.70/0.80	0.15/0.35	0.60/0.90	≤0.025	≤0.025	≤0.40	≤0.10	≤0.40			
	AISI 1075		0.70/0.80	0.15/0.35	0.40/0.70	≤0.030	≤0.030						
BE5634	75Ni8	1.5634 (~1.2705)	0.72/0.78	0.20/0.35	0.30/0.50	≤0.020	≤0.010	≤0.19	≤0.10	1.90/2.20			
	SKS51		0.75/0.85	≤0.35	≤0.50	≤0.03	≤0.03	0.20/0.50		1.30/2.00			
BE1274	C100S/CK101	1.1274	0.95/1.05	0.15/0.35	0.30/0.60	≤0.025	≤0.025	≤0.40	≤0.10	≤0.40			
	AISI 1095		0.90/1.05	0.15/0.35	0.30/0.50	≤0.030	≤0.050	≤0.40	≤0.10	≤0.40			
BE2235	80CrV2	1.2235	0.80/0.85	0.25/0.40	0.35/0.70	≤0.025	≤0.012	0.50/0.70			0.15/0.25		
BE8159	50CrV4	1.8159	0.47/0.55	≤0.40	0.70/1.10	≤0.035	≤0.035	0.90/1.20			0.10/0.25		
	AISI 6150		0.48/0.53	0.15/0.35	0.70/0.90	≤0.030	≤0.040	0.80/1.10	≤0.06	≤0.25			
	SUP10		0.47/0.55	0.15/0.35	0.65/0.95	≤0.030	≤0.030	0.80/1.10			0.15/0.25		
BE8161	58CrV4	1.8161	0.55/0.62	0.15/0.40	0.70/1.10	≤0.035	≤0.035	0.90/1.20			0.10/0.20		
BE86	74NiCr2	1.2792	0.64/0.75	0.20/0.30	0.40/0.60	≤0.025	≤0.025	0.30/0.50	0.05/0.10	0.70/1.00			
	AISI 8660		0.56/0.64	0.15/0.35	0.75/1.00	≤0.035	≤0.040	0.40/0.60	0.15/0.25	0.40/0.70			
	SKS5		0.75/0.85	≤0.35	≤0.50	≤0.03	≤0.03	0.20/0.50		0.70/1.30			
BE68		1.2703	0.65/0.70	0.20/0.35	0.35/0.50	≤0.020	≤0.050	0.45/0.60	0.15/0.20	0.60/0.75			
	SK1		1.30/1.50	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			
	SK2		1.10/1.30	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			
	SK3		1.00/1.10	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			
	SK4		0.90/1.00	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			
	SK5		0.80/0.90	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			
	SK6		0.70/0.80	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			
	SK7		0.60/0.70	≤0.35	≤0.50	≤0.03	≤0.03	≤0.30		≤0.25			

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	AISI 4125		0.23/0.28	0.20/0.35	0.70/0.90	≤0.040	≤0.040	0.40/0.60	0.20/0.30				
BELWQ			0.23/0.30	0.15/0.30	1.10/1.35	≤0.025	≤0.012	0.30/0.50				0.0015/0.004	0.015/0.050
	25CrMo4	1.7218	0.22/0.29	≤0.40	0.60/0.90	≤0.035	≤0.035	0.90/1.20	0.15/0.30				
	AISI 4130		0.27/0.34	0.15/0.35	0.35/0.60	≤0.035	≤0.040	0.80/1.15	0.15/0.25				
	SCM420		0.18/0.23	0.15/0.23	0.60/0.85	≤0.030	≤0.030	0.90/1.20	0.15/0.30				
BE7220	34CrMo4	1.7220	0.30/0.37	≤0.40	0.60/0.90	≤0.035	≤0.040	0.90/1.20	0.15/0.30				
	AISI 4135		0.32/0.39	0.15/0.35	0.55/0.95	≤0.035	≤0.040	0.80/1.15	0.15/0.25				
	SCM435H		0.32/0.39	0.15/0.35	0.65/0.95	≤0.030	≤0.030	0.85/1.25	0.15/0.35				
BE7225	42CrMo4	1.7225	0.38/0.45	≤0.40	0.60/0.90	≤0.035	≤0.035	0.90/1.20	0.15/0.30				
	AISI 4140		0.36/0.44	0.15/0.35	0.70/1.00	≤0.035	≤0.040	0.80/1.15	0.15/0.25				
	SCM440H		0.37/0.44	0.15/0.35	0.55/0.95	≤0.030	≤0.030	0.85/1.25	0.15/0.35				
	50CrMo4	1.7228	0.46/0.54	≤0.40	0.50/0.80	≤0.035	≤0.035	0.90/1.20	0.15/0.30				
	AISI 4150		0.48/0.53	0.15/0.35	0.75/1.00	≤0.035	≤0.040	0.80/1.10	0.15/0.25				

Alle Angaben ohne Gewähr und vorbehaltlich Änderungen. Internationale und deutsche Standards können in der Analyse abweichen.

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