saarschmiede
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Energiemaschinenbau | Power generation machinery

Marke | Grade Saarschmiede	WDL (DIN)	AIR (AFNOR)	AMS (UNS)	DTD (BS)	Bezeichnung | Designation
Kaltzähe Stähle | Low-temperature steels					
1.6347	26NiMoV14-4				
1.6732	28NiCrMo5-5				
1.6931	26NiCrMoV8-5				
1.6948	27NiCrMoV11-6				
1.6957	27NiCrMoV15-6				
1.6962	25NiCrMoV12-7				Superclean
1.6963	27NiCrMoV16-7				Superclean
Warmfeste Stähle | High-temperature steels					
1.6749	23CrNiMo7-4-7				
1.6945	22CrMoNiWV8-8				
1.6946	30CrMoNiV5-11				
1.6961	24NiCrMoV10-10				
1.6985	28CrMoNiV4-9				
Hochwarmfeste Stähle | Elevated temperature steels					
1.4902	X14CrMoVNbN10				Cost F
1.4906	X12CrMoWVNbN10-1-1				Cost E
1.4926	X21CrMoV12-1				
1.4926 X7	X13CrMoCoVNbNB9-2-1				FB2
1.4939	X12CrNiMo12	Z12CNDV12-03	XM-32 (AISI)	S151	Jethete M152
Nicht magnetisierbare Stähle | Non-magnetizable steels					
1.3816	X8CrMnN18-18				P900

Weitere Güten auf Anfrage | Further steel grades on request

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Sonderwerkstoffe | Super alloys and special materials

Marke | Grade Saarschmiede	WDL (DIN)	AIR (AFNOR)	AMS (UNS)	DTD (BS)	Bezeichnung | Designation
Fluglagerstähle | Bearing steels					
1.2581.02	X20WCr10-3	E-Z20WC10			RBD
1.3552	80MoCrV42-16	E-80DCV40	6491		M50
1.3590			6278 K91231		M50NiL
Weichmartensitische Stähle | Soft martensitic steels					
1.4006	X12Cr13	Z10C13 / Z13C13	S41000	410S21	
1.4057	X17CrNi16-2	Z15CN16-02	S43100	431S29	
1.4306	X2CrNi19-11	Z3CN19-11	S30403	304S11	
1.4313	X5CrNiMo13-4		S41500		F6NM
1.4454			S21904		FXM-11
Duplex Stähle | Duplex steels					
1.4410	X2CrNiMoN25-7-4	Z3CND25.07Az	S32750		F53
1.4462	X2CrNiMoN22-5-3	Z3CND22-05Az	S31803	318S13	F51
Nichtrostende Aushärter | Precipitation-hardening steels (PH)					
1.4534	X3CrNiMoAl13-8-2	Z3CNDA13-08	5629 S13800		PH13-8Mo
1.4545	X5CrNiCu15-5	Z5CNU15	5659 S15500		15-5PH
1.4548	X5CrNiCuNb17-4-4	Z5CNU17	5622, 5643 S17400		17-4PH
1.4594	X5CrNiMoCuNb14-5		S45000	460S52	14-5PH

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Sonderwerkstoffe | Super alloys and special materials

Marke | Grade Saarschmiede	WDL (DIN)	AIR (AFNOR)	AMS (UNS)	DTD (BS)	Bezeichnung | Designation
Hochwarmfeste Stähle | Creep-resistant steels					
1.4911	X8CrCoNiMo10-6	Z10CKD10		S152	FV535
1.4914			5616	S150	Greek Ascoloy
1.4939	X12CrNiMo12	Z12CNDV12	5719 S64152	S151	Jethete M152
1.4944/ 1.4980	X6NiCrTiMoV26-15	E-Z6NCT25	5732 S66286	HR51	A286
Maraging Stähle | Maraging steels					
1.6354	X2NiCoMo18-9-5	E-Z2NKD18-9	6514, 6521		Grade 300
1.6356	X2NiCoMoTi18-12-4				Grade 350
1.6359	X2NiCoMo18-8-5	E-Z2NKD18	6512, 6520	5212, 5232	Grade 250
Hochfeste Vergütungsstähle | High-strength steels					
1.6747.06		35NCD16		2S146	
1.6944.01			6417, 6419 K44220	S155	300M
1.6944.02			6431 K24728		D6AC
Hochwarmfeste Legierungen | Creep-resistant alloys					
2.4631/2.4952	NiCr20TiAl	NC20TA	N07080	HR1	80A
2.4632/2.4969	NiCr20Co18Ti	NCK20TA	N07090	HR2	90
2.4634	NiCo20Cr15MoAlTi	NK20CDA	N13021	HR3	105
2.4650	NiCo20Cr20MoTi	NCK20D	5886, 5872 N07263	HR10	C263

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Sonderwerkstoffe | Super alloys and special materials

Marke | Grade Saarschmiede	WDL (DIN)	AIR (AFNOR)	AMS (UNS)	DTD (BS)	Bezeichnung | Designation
Hochwarmfeste Legierungen | Creep-resistant alloys					
2.4654	NiCr20Co13Mo4Ti3Al	NC20K14	5704, 5706, 5708, 5709 N07001		Waspaloy
2.4663	NiCr23Co12Mo		N06617		617
2.4668	NiCr19Fe19Nb5Mo3	NC19FeNb	5662, 5663 N07718	HR8	718
2.4669	NiCr15Fe7TiAl	NC15FeTNbA	5669 N07750		X750
2.4816	NiCr15Fe	NC16FeT	5665 N06600		600
2.4856	NiCr22Mo9Nb	NC22DNb	5599, 5666 N06625	NA21	625
2.4973	NiCr19CoMo	NC20KDTA	5712, 5713 N07041		Rene 41
2.4989	NCoCr20Ni20W	KCN20DNbW	5765 R30816		S816

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Allgemeiner Maschinenbau | General machinery

Marke | Grade Saarschmiede	WDL (DIN)	AIR (AFNOR)	AMS (UNS)	DTD (BS)	Bezeichnung | Designation
Wälzlagerstähle | Bearing steels					
1.3551 1.3552	80MoCrV42-16	E-80DCV40	6491 T11350 (UNS)		M50
Hochfeste Baustähle | High-strength steels					
1.6944.01			6417 6419 K44220 (UNS)	S155	300M
1.7734	14CrMoV6-9	15CDV6			
Weichmagnetische Stähle | Soft magnetic steels					
1.1005	C3E				Ck 4
Unlegierte Baustähle | Unalloyed steels					
1.0570	S355J2G3	E36-3; E36-4	K03011 (UNS)		
1.1121 – 1.1248	C10E – C60E, C75S	XC10 – XC70	1010 – 1078 (AISI)	040 A 10 – 060 A 78	
Vergütungsstähle | QT-steels					
1.6580	30CrNiMo8	30CND8		823M30	
1.6582	34CrNiMo6	35NCD6	4340 (AISI)	817M40	
1.7218	25CrMo4	25CD4	4130 (AISI)	708A25	
1.7225	42CrMo4	42CD4	4140 (AISI) 4142 (AISI)	708M40	
Stähle für Kokillen | Steel for centrifugal casting molds					
1.2313	21CrMo10				
1.7258	24CrMo5				

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Werkzeugstahl | Tool steel

Marke | Grade Saarschmiede	WDL (DIN)	AIR (AFNOR)	AMS (UNS)	DTD (BS)	Bezeichnung | Designation
Warmarbeitsstähle/Kaltarbeitsstähle | Hot-work steels/Cold-work steels					
1.2343	X37CrMoV5-1	Z38CDV5	6437 T20811 (UNS)	BH11	H11
1.2344	X40CrMoV5-1	Z40CDV5	6408 T20813 (UNS)	BH13	H13
1.2365	32CrMoV12-28	32CDV12-28	H10 (AISI) T20810 (UNS)	BH10	
1.2713	55NiCrMoV6		L6 (AISI) T61206 (UNS)	BH 224/5	L6
1.2714	55NiCrMoV7	55NCDV7	L6 (AISI) T61206 (UNS)	BH 224/5	L6
1.2767	45NiCrMo16		6F7 (AISI)		
1.2787	X23CrNi17	Z15CN16-02	5628 S43100 (UNS)	S80	
Kunststoffformenstähle | Plastic mold steels					
1.2311	40CrMnMo7	40CMD8	P20 (AISI)		P20
1.2312	40CrMnMoS8-6				P20 + S
1.2738	40CrMnNiMo8-6-4				P20 + Ni

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