

Spezifikation solider Werkstoffe*

Solid material specifications*

Material- bezeichnung	Werkstoff- nummer	DIN EN	Härte* 1	Zugfestigkeit [N/mm²]	Dicke [mm]	Dicken- abweichung [+/- mm]
Material description	Material number	DIN EN	Hardness* 1	Tensile strength [N/mm²]	Thickness [mm]	Thickness- deviation [+/- mm]
Aluminiumlegierung Aluminum alloy						
AlMg2,5 (USA: AA 5052)	EN AW-5052	EN 573-3	HV 65		0,050	This document shows basic information only. Detailed data is available upon request. Contact us.
					0,075	
					0,100	
AlMg3 (USA: AA 5754)	EN AW-5754	EN 573-3			0,500	
					1,000	
					1,500	
					2,000	
					2,500	
					3,000	
					4,000	
					5,000	
					6,000	
					8,000	
Ferritischer Edelstahl Ferritic stainless steel						
X6Cr17 (USA: AISI 430)	1.4016	EN 10088-2	HV min. 190		0,500	
Kaltgewalzter Bandstahl Cold-rolled steel strip						
DC01+C590 (USA: AISI 1008)	1.0330	EN 10139	HV min. 185		0,025	
					0,050	
					0,075	
					0,100	
					0,150	
					0,200	
					0,250	
					0,300	
					0,400	
					0,500	
					1,000	

*Kein Halbzeugverkauf

*Not for sale as semifinished products

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Material description	Material number	DIN EN	Hardness* ¹	Tensile strength [N/mm ²]	Thickness [mm]	Thickness- deviation [+/- mm]		
Kaltgewalzter Federbandstahl								
Cold-rolled spring band steel								
DC04 <i>(USA: A 1008 (DDS))</i>	1.0338	EN 10130	HB50		0,500	This document shows basic information only. Detailed data is available upon request. Contact us.		
					0,630			
					0,750			
					0,880			
					1,000			
					1,250			
					1,500			
					2,000			
					2,500			
					3,000			
S235JR	1.0038	EN 10025			4,000			
					5,000			
					6,000			
					10,000			
					12,000			
					15,000			
C75S <i>(USA: AISI 1075)</i>	1.1248	EN 10132-4	HV 390		20,000			
					0,100			
					0,150			
					0,200			
					0,250			
					0,300			
					0,350			
C100S <i>(USA: AISI 1095)</i>	1.1274	EN 10132-4	HV 390		0,500			
					0,050			
Nichtrostender Stahl								
Stainless steel								
X5CrNi18-10 <i>(USA: AISI 304)</i>	1.4301	EN 10088-2	HV min. 370				0,005	
			HV min. 280				0,025	
			HV min. 370				0,040	
			HV min. 210				0,050	
							0,075	
							0,100	
					0,150			
					0,200			

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Material description	Material number	DIN EN	Hardness* 1	Tensile strength [N/mm ²]	Thickness [mm]	Thickness-deviation [+/- mm]
Nichtrostender Stahl Stainless steel						
X5CrNi18-10 (USA: AISI 304)	1.4301	EN 10088-2			0,250	This document shows basic information only. Detailed data is available upon request. Contact us.
					0,300	
					0,400	
					0,500	
					0,700	
					0,800	
					1,000	
					1,250	
					1,500	
					2,000	
					3,000	
					4,000	
					5,000	
X10CrNi18-8 (USA: AISI 301)	1.4310	EN 10088-2	HV min. 370		0,010	
			HV min. 460		0,020	
			HV min. 190		0,025	
			HV min. 400		0,030	
					0,040	
					0,050	
					0,060	
					0,070	
					0,080	
					0,090	
X2CrNiMo17-12-2 (USA: AISI 316L)	1.4404	EN 10088-2			0,100	
					0,050	
					0,100	
					0,250	
					0,500	
					1,000	
					2,000	
					3,000	

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Nichtrostender Stahl								
Stainless steel								
X6CrNiTi18-10 (USA: AISI 321)	1.4541	EN 10088-2			0,500			
					1,000			
					2,000			
					2,500			
					3,000			
X5CrNiCuNb17-4 (USA: AISI 630)	1.4548 17-4 PH	AMS 5604			2,650			
					3,000			
					4,760			
Messing								
Brass								
CuZn37 (USA: C27200)	CW508L	EN 1652	HB 105-135		0,010	This document shows basic information only. Detailed data is available upon request. Contact us.		
			HB 105-135		0,025			
			HB 105-135		0,030			
			HB 105-135		0,040			
			HB 105-135		0,050			
			HB 105-135		0,075			
			HB 105-135		0,100			
			HB 105-135		0,150			
			HB 105-135		0,200			
			HB 105-135		0,250			
			HB 140		0,300			
			HB 140		0,400			
			HB 85-120		0,500			
			HB 85-120		0,800			
			HB 85-120		1,000			
			HB 85-120		1,500			
			HB 85-120		2,000			
			HB 85-120		2,500			
			HB 85-120		3,000			
CuZn30 (USA: C26000)	CW505L	EN 1652	HB 125		0,050			
			HB 125		0,075			
Sauerstofffreies Kupfer								
Oxygen-free copper								
Cu-OF (USA: C10200)	CW008A	EN 13599	HB 75		0,035			
					0,050			

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Material description	Material number	DIN EN	Hardness* ¹	Tensile strength [N/mm²]	Thickness [mm]	Thickness- deviation [+/- mm]			
PET									
Polyester		UL - gelistet ULlisted			0,025	This document shows basic information only. Detailed data is available upon request. Contact us.			
					0,050				
			HB 60		0,100				
					0,200				
POM									
Polyoxymethylen	POM						1,000	This document shows basic information only. Detailed data is available upon request. Contact us.	
							2,000		
							5,000		
							10,000		
							20,000		
							25,000		
PTFE									
Polytetrafluorethylen	PTFE						4,000		

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* 1 HV = Härteprüfung nach Vickers
HV = Vickers hardness test

* 1 HB = Härteprüfung nach Brinell
HB = Brinell hardness test

- Aufgeführte Werkstoffe sind i.d.R. lagerseitig vorhanden, Ausnahmen möglich.
- Weitere Werkstoffe auf Anfrage.

- The materials listed are in general available from stock, exceptions are possible.
- Customer-specific materials can be available on request.