

issue 08.02.2018						
short name	Headline	unit	parameter	parameter	parameter	description
payment	labor costs	h	LandAK	Region	Währungswahl	direct labor cost in industry, with tax. and social expenses (average data per year in industrial production area). For more specialized production wages please go to selection by qualification.
helper	helper per hour	h	LandAK	Region	Währungswahl	stuff cost for unskilled worker
worker		h	LandAK	Region	Währungswahl	stuff cost for worker
skilled labor		h	LandAK	Region	Währungswahl	stuff cost for skilled worker
machine setter		h	LandAK	Region	Währungswahl	stuff cost for setup specialist
inspector		h	LandAK	Region	Währungswahl	stuff cost for skilled tester
maintaner		h	LandAK	Region	Währungswahl	stuff cost for machine specialist (maintanance and repairing)
Business Situation Germany	Ifo R 2 Germany	Index				Business Situation in Germany, trade and industry
Business Expectation Germany	Ifo R 3 Germany	Index				Business Expectation for 6 month in Germany, trade and industry
Harpex index	sea logist index Harpex	Index				International price index for container ship chartering, composed out of seven classes of ships from 700 to 4250 TEU.
Corruption		Index	Land1			Corruption Perception Index CPI, measured by Transparency International
Container Throughput	World Trade	Index				Container handling in 81 international sea ports, collected by Institute of Shipping Economics and Logistics and Rheinisch-Westfälische Institut für Wirtschaftsforschung. Indicator of international trade, base 2010.
inflation CPI		%	Land1			consumer price index (CPI)
Change rate	Exchange rates to your currency	EUR	LandKurs			average exchange rate of the country currency to your base currency
prime rate		%	LandKurs			national bank rate
natural gas	heating gas	kWh	Energieeinheit			Natural gas futures at distribution point Henry Hub in Earth in Louisiana USA offered by New York Mercantile Exchange
power	power	kWh	LandAK	Verbrauch		power, enduser price inclusive energy tax
gas	heating gas	kWh	LandAK	Verbrauch		gas, enduser price inclusive energy tax
silver	Ag	t	Gewichtseinheit			silver AG999 London fixing
gold	Au	t	Gewichtseinheit			gold bullion, official pricing
paladium	Pd	t	Gewichtseinheit			Precious metal, belongs to the platinum group metals, platinum is similar in behavior; Todays extraction comes out of nickel and copper ores. 41% of traded paladium comes from Russia, 37% from South Africa which has over 95% of the world's reserves
platinum	Pt	t	Gewichtseinheit			platinum pure, London
aluminium LME	Al	t				high grade Al- primary, in warehouse LME
Al alloy L226	Al	t				AL material VAR L226 (secondary alloy)
bismuth	Bi	t				non-toxic heavy metal, density 9.78 g/cm3, strong Hall effect. Bismuth-tin alloy is used as a substitute (RoHS) for lead-containing solders
cobalt LME	Co	t				Cobalt (official cash settlement price), monthly average
neodymium oxide	Nd	t				97% of world production comes from China, economically viable deposits in Australia. Neodymium-iron boron compounds for the production of the most powerful magnets. They are used for nuclear magnetic resonance tomographs, micro motors and hard disks (positioning of the read / write heads), permanent magnet rotors (eg stepping and servo motors, efficient permanent-magnet synchronous machines, eg in wind turbine systems (about one sixth) And hybrid vehicles, linear motors for positioning axes, eg CNC machines, high-quality loudspeakers and headphones, but they are stronger and much less expensive compared to Samarium cobalt magnets, but they are sensitive to heat, and neodymium salts are used as blue porcelain.
FeCr low carbon (EU)	Cr	t				Ferrochrom low carbon C 0,1% max. (CAEF)
ferro-chrome high carbon	Cr	t				Ferrochrom high carbon C typ 6 - 8%
chromium pure	Cr	t				chromium 99%
copper DEL notice	Cu	t				copper price DEL, lower average price determination
copper LME	Cu	t				LME copper (official cash settlement price), monthly average
Iron casting base CAEF	Fe	t				Calculation: 25% light steel scrap, 25% heavy steel scrap (rails 40cm), 25% packages 30x30x30cm and 25% pig iron
Basic pig iron Black See	Fe	t				Basic pig iron for grey iron, Black See ports, FOB
pig iron hämatite	Fe	t				standard pig iron typical used for grey cast iron, pricing from Spain foundries

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pig iron nodal	Fe	t				pig iron used for ductile graphite iron, pricing from spain foundries
Fe-scrap E 1	Fe	t				Old thin steel scrap E1, less than 6 mm thickness, Germany
Fe-scrap E 2/8	Fe	t				New scrap E2/E8, low residuals, uncoated, Germany
Fe-scrap E 3	Fe	t				Demolition scrap grade E3, thickness over 6mm, Germany
Fe-scrap E 40	Fe	t				Shredded steel scrap, grade E40, Germany
Fe-scrap E 5	Fe	t				Steel turning scrap, grade E5, Germany
Lithium carbonate	Li	t				Li2CO3: acid raw material to produce lithium hydroxide as base material for lithium stearate and lithium batteries
magnesium	Mg	t				pure Magnesium e.g. as alloying component
manganese	Mn	t				Chemical grade manganese, produced by electrolysis
ferro-manganese	Mn	t				Ferromanganese with at least 78% Mn is produced by reducing oxidic manganese ore and iron ore with coke.
FeMo	Mo	t				ferromolybdenum low carbon
nickel LME	Ni	t				electrolytically refined nickel 99.9%, LME warehouse
lead LME	Pb	t				for lead-acid batteries are used 60% of production
antimony / stibium	Sb	t				rare semi-metal. Applications are battery lead, alloying component for hardening of lead, bearing metals, doping of semiconductors
ferrosilicon	Si	t				Silicon in iron base, 75% Si, in irregular lumps / pieces for use in foundries
silicium pure	Si	t				Silicon metallurgical grade (98-99% pure)
tin LME	Sn	t				Tin is a very soft heavy metal. Use in electronics as base metal of solder
titan pure	Ti	t				pure titanium, e.g. for alloying
titanium dioxide	Ti	t				white pigment, consumption as key ingredient for paints, coatings, plastics and paper
ferrovanadium, europe	V	t				Ferrovanadium with a vanadium content of about 90%. Offered in europe.
ferro-tungsten	W	t				Tungsten-iron compound with min. 75% tungsten content
zinc alloy Z410	Zn	t				standard zinc alloy for pressure die casting
zinc LME	Zn	t				Zinc (official cash settlement price), monthly average
quarry sand	Sand	t				Quarrysand and quartz gravel is used for glass production, as foundry sand, and in the chemical and ceramic industries. Quartz powder also is a high quality filler.
Steam Coal	Energie	t				Steam coal for power plants, cif for north west europe
Steam Coal import Germany	Energie	t				Steam Coal for energy and steel production plants
Crude Oil Brent	Energie	t				mineral oil Brent, North Sea, United Kingdom
Crude Oil import (Germany)	Energie	t				Border crossing price for mineral oil to Germany (including maritime transport and harbour cost)
Heating Oil	Energie	t				heating oil, quote at NYMEX
smectite	Chemie	t				Used as a binder in the foundry industry, in the agglomeration of iron ores, as a supplement in cat litter, as main part in the construction industry and as rinse additive in the drilling industry. Germany is the third largest Bentonit producer in Europe.
Hardener for resin	Chemie	t				Chemical component for curing of resin-containing molding material, typically used for sand cores
Ethanol	Chemie	t				Colloquially also alcohol. Ethanol (C2H6O) is widely used as a solvent and precursor in the chemical industry.
Potassium chloride	Mineralien	t				Raw material of the chemical industry. Application: E507 in the food industry, base for potash fertilizers, hardened salt for the heat treatment of metals
ABS granules	ABS	t				ABS or acrylonitrile butadiene styrene is a colorless to gray solid material. 50% of this engineering plastic flows in household and consumer products as well as motor vehicles. ABS melts at 200-250 ° C and can be recycled by remelting.
PC granules	PC	t				Polycarbonate is a thermoplastic from the class of polyester. It's a tough and transparent plastic, often used for glass covers and headlight washers. Density 1.2 g / cm3
PBT granules	PBT	t				Polybutylene terephthalate is one of the polyesters and has properties similar to polyethylene terephthalate (PET). However, it is much better for injection suitable. PBT has good chemical resistance to many solvents. Density about 1.3 to 1.4 g / cm3
PA 6 granules	PA6	t				Polycaprolactam or nylon-6 is an engineering polymer from the class of polyamides. It's a tough and wear-resistant plastic. Known in fiber form as Perlon. Density 1.12 to 1.15 g / cm3
PA 6.6 granules	PA6.6	t				Polyamide 6.6 is an easy-crystallizing polyamide. It's a tough and wear-resistant plastic. Known in fiber form as original nylon. Density 1.13 to 1.14 g / cm3

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POM granules	POM	t				Polyoxymethylene is a high molecular weight thermoplastic. If used due to good sliding properties for gears, hinges, bolts and nuts. Known as Delrin (DuPont). Density 1.41 to 1.42 g / cm ³
PE-HD granules	PE HD	t				Polyethylene belongs to the group of polyolefins and is the most commonly used plastic. Main application is packaging. HDPE has slightly branched polymer chains and therefore a high density 0.94 to 0.97 g/cm ³
PE-LD granules	PE LD	t				Polyethylene belongs to the group of polyolefins and is the most commonly used plastic. Main application area is packaging. LDPE consists of highly branched polymer chains, therefore results in the low density of 0.915 to 0.935 g / cm ³
PP granules	PP	t				Polypropylene is a partially crystalline thermoplastic and from the group of polyolefins. PP is suitable for injection molding, extrusion, blow molding, hot forming, welding, deep drawing, for metal processing. Approximately 5 million tonnes are drawn into fibers annually. From yarns, nonwovens and fabrics are produced. Density about 0.9 to 0.915 g / cm ³
PS granules	PS	t				Polystyrene or polystyrene is (BASF) become especially under the trade name Styropor known. Foamed there is a lot of used packaging material. Unfoamed density approximately 1.05 g / cm ³
Rubber TSR 10	Kautschuk	t				Natural rubber, technical spezifikation TSR 10, price at Malaysian rubber Exchange, FOB
Rubber RSS-1	Kautschuk	t				Natural rubber, ribbed smoked sheet (RSS-1)
Rubber RSS-2	Kautschuk	t				Natural rubber, ribbed smoked sheet (RSS-2)
Rubber RSS-3	Kautschuk	t				Natural rubber, ribbed smoked sheet (RSS-3), FOB europe
EN-GJL-100	EN-GJL-100 EN-JL1010 / 0.6010	t				GG10
EN-GJL-150	EN-GJL-150 EN-JL1020 / 0.6015	t				GG15
EN-GJL-180HC	EN-GJL-180HC 0.6018	t				
A159 Grade G1800	A159 Grade G1800	t				
EN-GJL-200	EN-GJL-200 EN-JL1030 / 0.6020	t				GG20
EN-GJL-250	EN-GJL-250 EN-JL1040 / 0.6025	t				GG25
A159 Grade G2500	A159 Grade G2500	t				
EN-GJL-300	EN-GJL-300 EN-JL1050 / 0.6030	t				GG30
A159 Grade G3000	A159 Grade G3000	t				
EN-GJL-350	EN-GJL-350 EN-JL1060 / 0.6035	t				GG35
A159 Grade G3500	A159 Grade G3500	t				
A159 Grade G4000	A159 Grade G4000	t				
EN-GJLA-XNiMn 13-7	EN-GJLA-XNiMn 13-7 EN-JL3021 / 0.6652	t				GGL-NiMn 13 7
EN-GJLA-XNiCuCr 15-6-2	EN-GJLA-XNiCuCr 15-6-2 EN-JL3011 / 0.6655	t				GGL-NiCuCr 15-6-2, ASTM Type 1
GGL-NiCuCr 15 6 3	GGL-NiCuCr 15 6 3 0.6656	t				GGL-NiCuCr 15-6-3, ASTM Type 1b
GGL-NiCr 20 2	GGL-NiCr 20 2 0.6660	t				GGL-NiCuCr 20-2, ASTM Type 2
GGL-NiCr 20 3	GGL-NiCr 20 3 0.6661	t				GGL-NiCuCr 20-3, ASTM Type 2b
GGL-NiSiCr 20 5 3	GGL-NiSiCr 20 5 3 0.6667	t				
GGL-NiCr 30 3	GGL-NiCr 30 3 0.6676	t				Nickel Resist, ASTM Type 3
GGL-NiSiCr 30 5 5	GGL-NiSiCr 30 5 5 0.6680	t				Nickel Resist, ASTM Type 3b
EN-GJS-350-22	EN-GJS-350-22 EN-JS1015 / 0.7033	t				GGG35.3
EN-GJS-400-15	EN-GJS-400-15 EN-JS1030 / 0.7040	t				GGG40
EN-GJS-400-18	EN-GJS-400-18 EN-JS1020 / 0.7043	t				GGG40.3
EN-GJS-400-18LT	EN-GJS-400-18LT EN-JS1020 / 0.7043	t				GGG40.3
EN-GJS-400-18U-LT	EN-GJS-400-18U-LT EN-JS1020 / 0.7043	t				GGG40.3
EN-GJS-450-10	EN-GJS-450-10 EN-JS1040 / 0.7045	t				GGG45

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EN-GJS-500-7	EN-GJS-500-7 EN-JS1050 / 0.7050	t				GGG50
EN-GJS-600-3	EN-GJS-600-3 EN-JS1060 / 0.7060	t				GGG60
EN-GJS-700-2	EN-GJS-700-2 EN-JS1070 / 0.7070	t				GGG70
EN-GJS-800-2	EN-GJS-800-2 EN-JS1080 / 0.7080	t				GGG80
EN-GJS-600-3U	EN-GJS-600-3U EN-JS1092	t				
GGG-NiMn 13 7	GGG-NiMn 13 7 0.7652	t				
EN-GJSA-XNiCrNb20-2	EN-GJSA-XNiCrNb20-2 EN-JS3031 / 0.7659	t				GGG-NiCrNb 20-2
EN-GJSA-XNiCr20-2	EN-GJSA-XNiCr20-2 EN-JS3011 / 0.7660	t				GGG-NiCr 20-2, ASTM Type D-2
GGG-NiCr 20 3	GGG-NiCr 20 3 0.7661	t				GGG-NiCr 20-3, ASTM Type D-2B
GGG-NiSiCr 20 5 2	GGG-NiSiCr 20 5 2 0.7665	t				
GGG-Ni 22	GGG-Ni 22 0.7670	t				
EN-GJSA-XNiMn23-4	EN-GJSA-XNiMn23-4 EN-JS3021 / 0.7673	t				GGG-NiMn 23-4, ASTM Type D-2M
GGG-NiCr 30 1	GGG-NiCr 30 1 0.7677	t				GGG-NiCr 30-1, ASTM Type D-3A
EN-GJSA-XNiSiCr30-5-5	EN-GJSA-XNiSiCr30-5-5 EN-JS3091 / 0.7680	t				GGG-NiSiCr 30-5-5; ASTM Type D-4
GE200	GE200 1.0420	t				GS-38
GE240	GE240 1.0446	t				GS-45
GS240	GS240 1.0455	t				
GE260	GE260 1.0552	t				GS-52
GE300	GE300 1.0558	t				GS-60
GP240 GH N/QT	GP240 GH N/QT 1.0619	t				GS-C25 ZG230-450
G24Mn6	G24Mn6 1.1118	t				GS-24 Mn 6
GS-20 Mn 5	GS-20 Mn 5 1.1120	t				GS20 Mn 5
G17Mn5	G17Mn5 1.1131	t				GS-16 Mn 5
G21Mn5	G21Mn5 1.1138	t				GS-21 Mn5
G46Mn4	G46Mn4 1.1159	t				GS-46 Mn4
GS-30 Mn5	GS-30 Mn5 1.1165	t				
G36Mn5	G36Mn5 1.1176	t				
G-C45E	G-C45E 1.1196	t				
GX2CrNiN18-13	GX2CrNiN18-13 1.3940	t				
GX12CrNi18-11	GX12CrNi18-11 1.3955	t				
GX2CrNiMoN18-14	GX2CrNiMoN18-14 1.3960	t				GX2CrNiMoN18-14-3
GX25MnCrNi8-8-6	GX25MnCrNi8-8-6 1.3966	t				
GX2CrNiMnMoNNb21-16-5-3	GX2CrNiMnMoNNb21-16-5-3 1.3967	t				
GX7CrNiMo12-1	GX7CrNiMo12-1 UNS J91150 / 1.4008	t				GX8CrNi13
GX12Cr12	GX12Cr12 1.4011	t				
GX20Cr14	GX20Cr14 UNS J91153 / 1.4027	t				
GX22CrNi17	GX22CrNi17 1.4059	t				
GX70Cr29	GX70Cr29 1.4085	t				
GX120Cr29	GX120Cr29 1.4086	t				
GX8CrNi12	GX8CrNi12 1.4107	t				GX-8CrNi12
GX120CrMo29-2	GX120CrMo29-2 1.4138	t				
GX5CrNi19-10	GX5CrNi19-10 1.4308	t				
GX2CrNi19-11	GX2CrNi19-11 1.4309	t				

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GX4CrNi13-4	GX4CrNi13-4 UNS J91540 / 1.4317	t				GX-4CrNi 13 4
GX40CrNi27-4	GX40CrNi27-4 1.4340	t				
GX6CrNiN26-7	GX6CrNiN26-7 1.4347	t				
GX4CrNiMo16-5-1	GX4CrNiMo16-5-1 1.4405	t				GX-4CrNiMo 16 5 1
GX5CrNiMo19-11-2	GX5CrNiMo19-11-2 1.4408	t				V4A
GX2CrNiMo19-11-2	GX2CrNiMo19-11-2 1.4409	t				
GX4CrNiMo16-5-2	GX4CrNiMo16-5-2 1.4411	t				
GX5CrNiMo19-11-3	GX5CrNiMo19-11-3 1.4412	t				
GX2NiCrMoN25-20-5	GX2NiCrMoN25-20-5 1.4416	t				
GX2CrNiMoN25-7-3	GX2CrNiMoN25-7-3 UNS J93380 / 1.4417	t				CD3MVCuN, Zeron 100 (cast)
GX2CrNiMoN17-13-4	GX2CrNiMoN17-13-4 1.4446	t				
GX2NiCrMo28-20-2	GX2NiCrMo28-20-2 1.4458	t				
GX40CrNiMo27-5	GX40CrNiMo27-5 1.4464	t				
GX2CrNiMoN25-6-3	GX2CrNiMoN25-6-3 UNS J93345 / 1.4468	t				24Cr10NiMoN, ESCOLOY 45D
GX2CrNiMoN26-7-4	GX2CrNiMoN26-7-4 1.4469	t				
GX2CrNiMoN22-5-3	GX2CrNiMoN22-5-3 UNS J92205 / 1.4470	t				A 890 (4A)(CD3MN), A 995 (4A), CD-3MN, 2205 (cast)
GX3CrNiMoWCuN27-6-3-1	GX3CrNiMoWCuN27-6-3-1 1.4471	t				
GX2CrNiMoCuN26-6-3	GX2CrNiMoCuN26-6-3 1.4515	t				GX3CrNiMoCuN 26-6-3
GX2CrNiMoCuN25-6-3-3	GX2CrNiMoCuN25-6-3-3 UNS J93372 / 1.4517	t				CD-4MCuN
GX2CrNiMoCuN25-6-3-3	GX2CrNiMoCuN25-6-3-3 1.4517.3	t				
GX5CrNiCu16-4	GX5CrNiCu16-4 1.4525	t				GX4CrNiCuNb16-4
GX4NiCrCuMo30-20-4	GX4NiCrCuMo30-20-4 1.4527	t				
GX2NiCrMoCuN25-20	GX2NiCrMoCuN25-20 1.4536	t				
GX1NiCrMoCuN25-20-5	GX1NiCrMoCuN25-20-5 1.4538	t				
GX5CrNiNb19-11	GX5CrNiNb19-11 1.4552	t				
GX2CrNiMoCuN20-18-6	GX2CrNiMoCuN20-18-6 1.4557	t				
GX2CrNiMnMoNnb21-15-4-3	GX2CrNiMnMoNnb21-15-4-3 1.4569	t				
GX3CrNiMoCuN24-6-5	GX3CrNiMoCuN24-6-5 1.4573	t				
GX5CrNiMoNb19-11-2	GX5CrNiMoNb19-11-2 1.4581	t				
GX2NiCrMoCu25-20-5	GX2NiCrMoCu25-20-5 1.4584	t				
GX2NiCrMoCuN29-25-5	GX2NiCrMoCuN29-25-5 1.4587	t				
GX2NiCrMoCuN25-20-6	GX2NiCrMoCuN25-20-6 1.4588	t				
GX3CrNiMoCuN24-6-2-3	GX3CrNiMoCuN24-6-2-3 1.4593	t				
GX30CrSi7	GX30CrSi7 1.4710	t				GX30CrSi6
GX40CrSi13	GX40CrSi13 1.4729	t				
GX40CrSi17	GX40CrSi17 1.4740	t				
GX160CrSi18	GX160CrSi18 1.4743	t				
GX40CrSi24	GX40CrSi24 1.4745	t				GX40CrSi23
GX40CrSi28	GX40CrSi28 1.4776	t				GX40CrSi29
GX130CrSi29	GX130CrSi29 1.4777	t				
GX35NiCrSi25-21	GX35NiCrSi25-21 1.4805	t				
GX40NiCrSi35-17	GX40NiCrSi35-17 1.4806	t				
GX40NiCrSiNb35-18	GX40NiCrSiNb35-18 1.4807	t				
GX8CrNi19-10	GX8CrNi19-10 1.4815	t				
GX40CrNiSi27-4	GX40CrNiSi27-4 1.4823	t				

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GX25CrNiSi18-9	GX25CrNiSi18-9 1.4825	t				
GX40CrNiSi22-10	GX40CrNiSi22-10 1.4826	t				GX40CrNiSi22-9
GX8CrNiNb19-10	GX8CrNiNb19-10 1.4827	t				
GX25CrNiSi20-14	GX25CrNiSi20-14 1.4832	t				
GX40CrNiSi25-12	GX40CrNiSi25-12 1.4837	t				
GX15CrNi25-20	GX15CrNi25-20 1.4840	t				
GX40CrNiSi25-20	GX40CrNiSi25-20 1.4848	t				
GX40NiCrSiNb38-19	GX40NiCrSiNb38-19 1.4849	t				GX40NiCrSiNb38-18
GX40NiCrSiNb35-25	GX40NiCrSiNb35-25 1.4852	t				GX40NiCrSiNb35-26
GX40CrNiSiNb24-24	GX40CrNiSiNb24-24 1.4855	t				GX30CrNiSiNb24-24
GX40NiCrSi35-26	GX40NiCrSi35-26 1.4857	t				GX40NiCrSi35-25
GX10NiCrSiNb32-20	GX10NiCrSiNb32-20 1.4859	t				GX10NiCrNb32-20
GX40NiCrSi38-19	GX40NiCrSi38-19 1.4865	t				GX40NiCrSi38-18
GX50CrNi30-30	GX50CrNi30-30 1.4868	t				
GX50NiCrCoW35-25-15-5	GX50NiCrCoW35-25-15-5 1.4869	t				
GX50NiCrCo20-20-20	GX50NiCrCo20-20-20 1.4874	t				
GX40NiCrNb45-35	GX40NiCrNb45-35 1.4889	t				
GX23CrMoV12-1	GX23CrMoV12-1 1.4931	t				GX-23CrMoV 12 1
GX15CrNiCo21-20-20	GX15CrNiCo21-20-20 1.4957	t				
G8Mn7	G8Mn7 1.5015	t				GS-8Mn 7
G10MnMoV6-3	G10MnMoV6-3 1.5410	t				
G20Mo5	G20Mo5 1.5419	t				GS-20Mo 5
G18Mo5	G18Mo5 1.5422	t				
GS 8 MnMo 7 4	GS 8 MnMo 7 4 1.5430	t				
G12MnMo7-4	G12MnMo7-4 1.5431	t				
G10Ni6; GS-10 Ni 6	G10Ni6; GS-10 Ni 6 1.5621	t				
G9Ni10	G9Ni10 1.5636	t				
G9Ni14; GS-10Ni14	G9Ni14; GS-10Ni14 1.5638	t				
GX10Ni5; GS-10 Ni 19	GX10Ni5; GS-10 Ni 19 1.5681	t				
GS-14NiCr14	GS-14NiCr14 1.5752	t				
G20Mn5 N/T	G20Mn5 N/T 1.6220	t				
GS-13MnNi 6 4	GS-13MnNi 6 4 1.6221	t				
G20MnMoNi5-5	G20MnMoNi5-5 1.6309	t				
GS-30 NiCrMo 8 5; (G30NiCrMo8-5)	GS-30 NiCrMo 8 5; (G30NiCrMo8-5) 1.6570	t				
G35CrNiMo6-6	G35CrNiMo6-6 1.6579	t				
34CrNiMo6	34CrNiMo6 1.6582	t				GS-34 CrNiMo 6
G20NiMoCr4	G20NiMoCr4 1.6750	t				
G18NiMoCr3-6	G18NiMoCr3-6 1.6759	t				
G22NiMoCr5-6	G22NiMoCr5-6 1.6760	t				
G14NiCrMo10-6; GS-14 NiCrMo 10 6 †	G14NiCrMo10-6; GS-14 NiCrMo 10 6 † 1.6779	t				
G17NiCrMo13-6	G17NiCrMo13-6 1.6781	t				
GX6CrNi18-10	GX6CrNi18-10 1.6902	t				
GX3CrNi13-4	GX3CrNi13-4 1.6982	t				
GX3CrNiMo16-5; G-X 3 CrNiMo 16 5 †	GX3CrNiMo16-5; G-X 3 CrNiMo 16 5 † 1.6983	t				
GS-25 CrMo 4	GS-25 CrMo 4 1.7218	t				
G26CrMo4; GS-26 CrMo 4 †	G26CrMo4; GS-26 CrMo 4 † 1.7221	t				
G42CrMo4	G42CrMo4 1.7231	t				
G50CrMo4	G50CrMo4 1.7232	t				

short name	Headline	unit	parameter	parameter	parameter	description
G18CrMnMo5-5	G18CrMnMo5-5 1.7352	t				
G17CrMo5-5	G17CrMo5-5 1.7357	t				GS-17CrMo 5 5
GS-12 CrMo 19 5	GS-12 CrMo 19 5 1.7363	t				GX12CrMo5
GX15CrMo5	GX15CrMo5 1.7365	t				
G15CrMo9-10	G15CrMo9-10 1.7377	t				
G17CrMo9-10	G17CrMo9-10 1.7379	t				GS-17CrMo 9 10
G10CrMo9-10	G10CrMo9-10 1.7380	t				
GX12 CrMo 10 1	GX12 CrMo 10 1 1.7389	t				GX12CrMo10-1
G17CrMoV5-10	G17CrMoV5-10 1.7706	t				GS-17CrMoV 5 10
G15CrMoV6-9	G15CrMoV6-9 1.7710	t				
G12MoCrV5-2	G12MoCrV5-2 1.7720	t				GS-12MoCrV 5 2
GS-30 CrMoV 6 4	GS-30 CrMoV 6 4 1.7725	t				G30CrMoV6-4
G16MnCrMo4-3	G16MnCrMo4-3 1.8717	t				
NiMo16Cr15Ti	NiMo16Cr15Ti UNS N06455 / 2.4610	t				HASTELLOY® C-4 Alloy Nicrofer 6616hMo
NiMo28	NiMo28 2.4617	t				HASTELLOY® B-2, VDM Alloy B-2
NiCo20Cr20MoTi	NiCo20Cr20MoTi 2.4650	t				Nicrofer 5120 CoTi, VDM Alloy C-263
Nicrofer 5219 Nb	Nicrofer 5219 Nb UNS N07718 / 2.4668	t				INCONEL® alloy 718, VDM Alloy 718
INCONEL® alloy 713C	INCONEL® alloy 713C 2.4671	t				
G-NiCr50Nb	G-NiCr50Nb 2.4680	t				
G-NiMo17Cr	G-NiMo17Cr NC-5000 / 2.4686	t				Hastelloy C4 (Haynes Alloy Int.)
G-NiCr 50 Nb †	G-NiCr 50 Nb † 2.4813	t				
G-NiCr15	G-NiCr15 2.4815	t				
G-Ni-Cr 23 Fe	G-Ni-Cr 23 Fe 2.4851	t				INCONEL® 601, Nicrofer 601
G-NiCr28W	G-NiCr28W 2.4879	t				
EN AC-Al Si8Cu3	EN AC-Al Si8Cu3 EN AC-46200 /	t				
GS-45MnCr73	GS-45MnCr73	t				Code Nr.2895
J93370	J93370 UNS J93370 / J93370	t				A 351 (CD4MCu), A 890 (1A)(CD4MCu), CD4MCu
J93371	J93371 UNS J93371 / J93371	t				A 890 (3A)(CD6MN), A 995 (3A), CD6MN, ca 1.4460
J93373	J93373 UNS J93373 / J93373	t				CD3MCuN, Ferralium 255 cast
J93404	J93404 UNS J93404 / J93404	t				A 890 (5A)(CE3MN), A 995 (5A), Alloy 958 (Spec) /ca. 1.4469, ca. 1.4517
EN-GJS-XSiMo 3.1	EN-GJS-XSiMo 3.1	t				GGG SiMo 3.1
EN-GJS-XSiMo 4.05	EN-GJS-XSiMo 4.05	t				GGG SiMo 4.05
EN-GJS-XSiMo 5.1	EN-GJS-XSiMo 5.1	t				GGG SiMo 5.1
S235JR	S235JR 1.0038	t	LandAK			St37-2 always hot rolled plate
S275JR	S275JR 1.0044	t	LandAK			always hot rolled plate
S355JR	S355JR 1.0045	t	LandAK			always hot rolled plate
S275J0	S275J0 1.0143	t	LandAK			always hot rolled plate
S275J2	S275J2 1.0145	t	LandAK			always hot rolled plate
E235	E235 1.0308	t	LandAK			St35 always drawn profile
DC05	DC05 1.0312	t	LandAK			always cold rolled coil
DC01	DC01 1.0330	t	LandAK			always cold rolled coil
DD11	DD11 1.0332	t	LandAK			always hot rolled coil
DD13	DD13 1.0335	t	LandAK			always hot rolled coil
DC04	DC04 1.0338	t	LandAK			always cold rolled coil
DC03	DC03 1.0347	t	LandAK			always cold rolled coil
P265GH	P265GH 1.0425	t	LandAK			SA516 Gr. 60, A516 Gr. 60, K02402 always hot rolled coil
E470	E470 1.0536	t	LandAK			always drawn profile
HC340 LA	HC340 LA 1.0548	t	LandAK			always cold rolled coil
HC380 LA	HC380 LA 1.0550	t	LandAK			always cold rolled coil
HC420 LA	HC420 LA 1.0556	t	LandAK			Kaltband always cold rolled coil
S355 J2 G3	S355 J2 G3 1.0570	t	LandAK			ST52-3, ST52-3N always hot rolled plate

short name	Headline	unit	parameter	parameter	parameter	description
35.S.20	35.S.20 1.0726	t	LandAK			35S20, Automatenstahl always bar peeled
45.S.20	45.S.20 1.0727	t	LandAK			46S20, Automatenstahl always bar peeled
17CrNi6-6	17CrNi6-6 1.5918	t	LandAK			always bar rolled
15CrNi6	15CrNi6 1.5919	t	LandAK			always bar rolled
48Si7	48Si7 1.5021	t	LandAK			always cold rolled coil
P280GH	P280GH 1.0426	t	LandAK	Halbzeug		
C15	C15 1.0401	t	LandAK	Halbzeug		
C45	C45 1.0503	t	LandAK	Halbzeug		SAE 1045, BS 50CS
C60	C60 1.0601	t	LandAK	Halbzeug		
9 S20K	9 S20K 1.0711	t	LandAK	Halbzeug		10S10, Automatenstahl
11SMn30	11SMn30 1.0715	t	LandAK	Halbzeug		9SMn28, Automatenstahl
9 SMnPb 28	9 SMnPb 28 1.0718	t	LandAK	Halbzeug		11SMnPb30, Automatenstahl
10S20	10S20 1.0721	t	LandAK	Halbzeug		Automatenstahl
10SPb20	10SPb20 1.0722	t	LandAK	Halbzeug		Automatenstahl
11SMn37	11SMn37 1.0736	t	LandAK	Halbzeug		9 SMn 36, Automatenstahl
11SMnPb37	11SMnPb37 1.0737	t	LandAK	Halbzeug		9 SMnPb 36, Automatenstahl
11SMnPbTe 37	11SMnPbTe 37 1.0738	t	LandAK	Halbzeug		Automatenstahl
11SMnPbBiTe 37	11SMnPbBiTe 37 1.0739	t	LandAK	Halbzeug		Automatenstahl
C45E	C45E 1.1191	t	LandAK	Halbzeug		
38MnVS6	38MnVS6 1.1303	t	LandAK	Halbzeug		
46MnVS6	46MnVS6 1.1304	t	LandAK	Halbzeug		
C45W	C45W 1.1730	t	LandAK	Halbzeug		C45U
X33CrS16	X33CrS16 1.2085	t	LandAK	Halbzeug		HC16S
X120Mn12	X120Mn12 1.3401	t	LandAK	Halbzeug		
43CrMo4	43CrMo4 1.3563	t	LandAK	Halbzeug		
X2CrNi12	X2CrNi12 UNS S40977 / 1.4003	t	LandAK	Halbzeug		Moda 410L
X6Cr17	X6Cr17 UNS S43000 / 1.4016	t	LandAK	Halbzeug		AISI 430
X30Cr13	X30Cr13 1.4028	t	LandAK	Halbzeug		
UNS S32202	UNS S32202 UNS S32202 / 1.4062	t	LandAK	Halbzeug		Lean duplex Mager-Duplex
X14CrMoS17	X14CrMoS17 UNS S43020 / 1.4104	t	LandAK	Halbzeug		X12CrMoS17
UNS S32101	UNS S32101 UNS S32101 / 1.4162	t	LandAK	Halbzeug		Lean duplex Mager-Duplex
X5CrNi18-10	X5CrNi18-10 UNS S30400 / 1.4301	t	LandAK	Halbzeug		AISI 304, V2A, Standard Cr-Ni Stahl
X8CrNiS18-9	X8CrNiS18-9 UNS S30300 / 1.4305	t	LandAK	Halbzeug		AISI 303, X10CrNiS18-9
X2CrNi18-9	X2CrNi18-9 UNS S30403 / 1.4307	t	LandAK	Halbzeug		ASTM 304L
X10CrNi18-8	X10CrNi18-8 UNS S30100 / 1.4310	t	LandAK	Halbzeug		
UNS S32304 Grade 2304	UNS S32304 Grade 2304 UNS S32304 / 1.4362	t	LandAK	Halbzeug		Lean duplex Mager-Duplex
X5CrNiMo17-12-2	X5CrNiMo17-12-2 UNS S31600 / 1.4401	t	LandAK	Halbzeug		AISI 316 V4A
X2CrNiMo17-12-2	X2CrNiMo17-12-2 UNS S31603 / 1.4404	t	LandAK	Halbzeug		AISI 316 L V4A
X2CrNiMoN17-11-2	X2CrNiMoN17-11-2 UNS S31653 / 1.4406	t	LandAK	Halbzeug		AISI 316 LN
X2CrNiMoN25-7-4	X2CrNiMoN25-7-4 UGI 4410 / 1.4410	t	LandAK	Halbzeug		UGI 4410

short name	Headline	unit	parameter	parameter	parameter	description
UNS S31500	UNS S31500 UNS S31500 / 1.4424	t	LandAK	Halbzeug		Duplex
X2CrNiMo18-14-3	X2CrNiMo18-14-3 UNS S31603 / 1.4435	t	LandAK	Halbzeug		ASTM 316L AISI 316 L, UGIMA 4435
UNS S32900	UNS S32900 UNS S32900 / UGI 4460 / 1.4460	t	LandAK	Halbzeug		UGIMA 329
X2CrNiMoN22-5-3	X2CrNiMoN22-5-3 UNS S32205 / UGI 4462 / 1.4462	t	LandAK	Halbzeug		
X2CrMnNiMoN21-5-3	X2CrMnNiMoN21-5-3 UNS S32001 / 1.4482	t	LandAK	Halbzeug		Nitronic 19D, Lean duplex Mager-Duplex
X3CrTi17	X3CrTi17 UNS S43036 / 1.4510	t	LandAK	Halbzeug		Moda 439
X2CrMoTi18-2	X2CrMoTi18-2 1.4521	t	LandAK	Halbzeug		NIROSTA 4521, Supra 444/4521
X1NiCrMoCuN25-20-7	X1NiCrMoCuN25-20-7 UNS N08926 / 1.4529	t	LandAK	Halbzeug		NVDM Alloy 926, Cronifer 1925 hMo
X1NiCrMoCu32-28-7	X1NiCrMoCu32-28-7 UNS N08031 / 1.4562	t	LandAK	Halbzeug		Nicrofer 3127 hMo, VDM Alloy 31
X6CrNiMoTi17-12-2	X6CrNiMoTi17-12-2 UNS S31635 / 1.4571	t	LandAK	Halbzeug		AISI 316 Ti V4A
X1CrNiMoCuN3-32-1	X1CrNiMoCuN3-32-1 UNS R20033 / 1.4591	t	LandAK	Halbzeug		VDM Alloy 33, Nicrofer 3033 hMo
X1CrTiLa22	X1CrTiLa22 UNS S44535 / 1.4760	t	LandAK	Halbzeug		Crofer 22 APU
X8CrAl20-5	X8CrAl20-5 1.4767	t	LandAK	Halbzeug		Aluchrom Yhf
X12NiCrSi35-16	X12NiCrSi35-16 UNS N08330 / 1.4864	t	LandAK	Halbzeug		VDM Alloy 330, Nicrofer 3718, 1.4862
X5NiCrAlTi31-20	X5NiCrAlTi31-20 UNS N08810 / 1.4958	t	LandAK	Halbzeug		FeNi32Cr21AlTi-HC, Alloy 800H, Nicrofer 3220H
X8NiCrAlTi32-21	X8NiCrAlTi32-21 UNS N08811 / 1.4959	t	LandAK	Halbzeug		FeNi32Cr21AlTi-HAT, Alloy 800HT, Nicrofer 3220HP
44MnSiVS6	44MnSiVS6 1.5233	t	LandAK	Halbzeug		
8SiTi4	8SiTi4 1.5310	t	LandAK	Halbzeug		
16Mo3	16Mo3 1.5415	t	LandAK	Halbzeug		
38B2	38B2 1.5515	t	LandAK	Halbzeug		
20NiCrMo2-2	20NiCrMo2-2 1.6523	t	LandAK	Halbzeug		MONIX E
18CrNiMo7-6	18CrNiMo7-6 1.6587	t	LandAK	Halbzeug		MONIX E, Carbodur 6587
42Cr4	42Cr4 1.7045	t	LandAK	Halbzeug		
16MnCr5	16MnCr5 1.7131	t	LandAK	Halbzeug		
16MnCrS5	16MnCrS5 1.7139	t	LandAK	Halbzeug		
20MnCr5	20MnCr5 1.7147	t	LandAK	Halbzeug		
42CrMo4	42CrMo4 UNS G41400 / 1.7225	t	LandAK	Halbzeug		GS-42CrMo4
22CrMo4-4	22CrMo4-4 1.7350	t	LandAK	Halbzeug		
P420NH	P420NH 1.8932	t	LandAK	Halbzeug		
P420QH	P420QH 1.8936	t	LandAK	Halbzeug		
S500A	S500A 1.8980	t	LandAK	Halbzeug		
S500AL	S500AL 1.8990	t	LandAK	Halbzeug		
S550A	S550A 1.8991	t	LandAK	Halbzeug		
S550AL	S550AL 1.8992	t	LandAK	Halbzeug		
S620A	S620A 1.8993	t	LandAK	Halbzeug		
S620AL	S620AL 1.8994	t	LandAK	Halbzeug		
S690A	S690A 1.8995	t	LandAK	Halbzeug		
S690AL	S690AL 1.8996	t	LandAK	Halbzeug		
SA216 Grade WCB	SA216 Grade WCB	t	LandAK	Halbzeug		