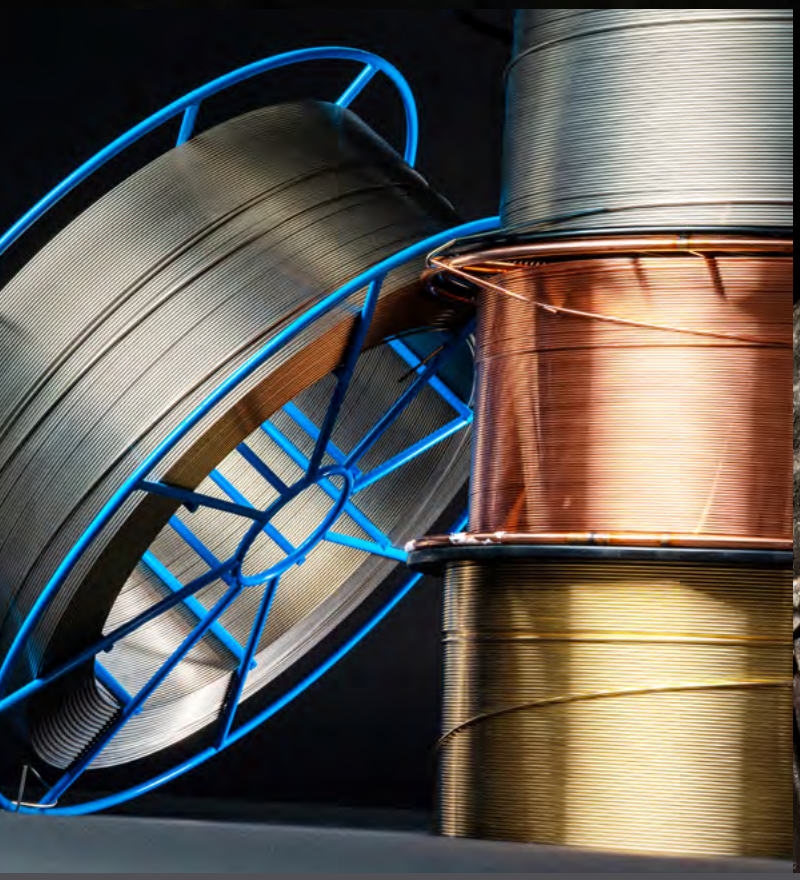
DAIKO®



Welding and Maintenance Consumables

MAINTENANCE SOLUTIONS

A COMPLETE RANGE OF CONSUMABLES AND SERVICES FOR WELDING, HARD-FACING, AND INDUSTRIAL MAINTENANCE.

For over forty years, DAIKO has been a trusted reference in welding consumables, delivering quality and compliance with the highest standards required by leading industrial sectors.

Originally focused on corrosion-resistant alloys, DAIKO has progressively developed a comprehensive and highly specialized portfolio capable of meeting all welding needs. Our solutions cover a wide range of applications — SMAW, GTAW, GMAW, FCAW, SAW, and ESW — designed and manufactured through careful selection of raw materials and continuous collaboration with the most renowned international producers.

DAIKO stands out for its comprehensive offering of high-value welding consumables and services for industrial maintenance. Our innovative, tailor-made solutions are designed to extend the service life of components, reduce unplanned downtime, and boost overall productivity through the use of advanced welding, brazing, and hardfacing technologies.

We provide versatile, high-performance processes, including arc welding, brazing, thermal spraying, PTA powders, and laser cladding, along with clad plates and custom-made components. These are technically advanced solutions, developed to ensure maximum efficiency even in the most complex systems and extreme environments.

One of our key strengths is the availability of ready-to-ship materials, which allows us to guarantee fast delivery, reliable logistics, and operational continuity for our customers.

DAIKO is internationally recognized as a qualified supplier to major industrial players operating across a wide range of sectors: from heavy industry and material processing to mining, cement plants, process industries, and facilities for the recycling of wood, plastics, glass, and waste treatment.

Discover the Excellence of DAIKO Products!
scan the qrcode
and watch our factory video

MAINTENANCE SOLUTIONS

DAIKO is an Italian excellence, synonymous with a passion for technical quality and customer focus.
Over the years, it has established itself internationally, earning recognition and trust through its core values and unwavering commitment to delivering reliable, tailor-made solutions.

DURABLE SOLUTIONS FOR EVERY MAINTENANCE AND HARDFACING NEED

Consumables and solutions for industrial maintenance.
Repair, protection, and regeneration of worn components.
Advanced technologies and technical support for maximum operational efficiency.

DAIKO has developed a comprehensive range of welding consumables specifically designed to meet the needs of industrial maintenance, with a particular focus on the recycling sector, where the reliability of solutions is crucial to ensure operational continuity, efficiency, and cost control.

Our consumables are optimized for the repair and regeneration of mechanical components subject to wear, typically found in plants processing wood, plastics, glass, and waste. In these demanding environments—characterized by abrasion, erosion, impact, and high temperatures—we deliver durable, effective solutions that address the daily challenges faced by operators.

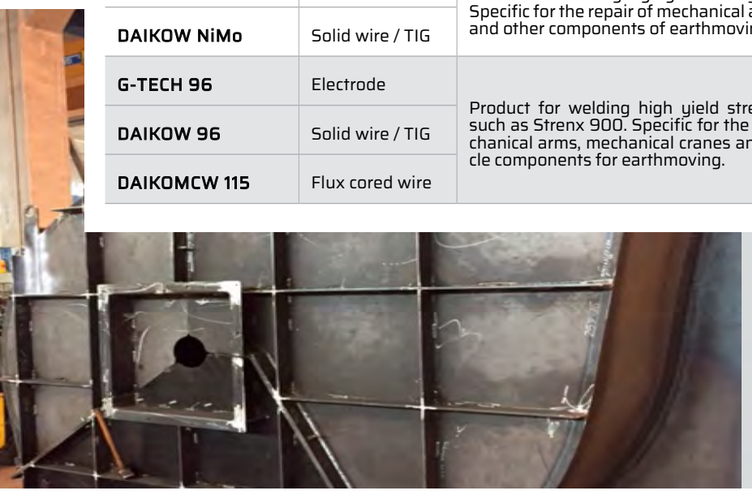
Over time, we have refined a highly specialized product line for hardfacing, anti-wear coatings, and heat-resistant overlays, ideal for protecting critical components such as screws, rollers, hoppers, blades, paddles, molds, shafts, and valves used in machinery for material separation, shredding, and handling.

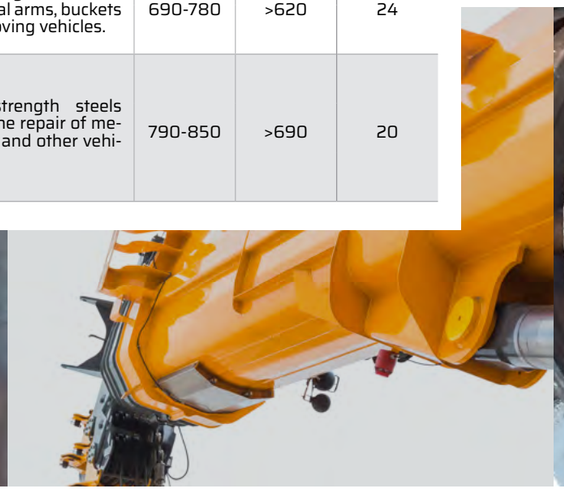
Through an integrated offering of consumables and services, DAIKO supports recycling facilities in extending equipment life, minimizing downtime, and optimizing maintenance operations, making a tangible contribution to overall efficiency improvement.

This is made possible by the synergy of advanced technologies—welding, brazing, and hardfacing—combined with the in-depth know-how of our team, which ensures high-level support even under the most complex operating conditions.

CARBON STEELS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES		
			RM	RS	A%
G-TECH 101	Electrode	Product for welding light carpentry, also suitable for galvanized sheet metal. The wires can be used in all positions, the electrode also vertical down.	500-600	>420	20
DAIKOW 107Ti	Solid wire				
DAIKOFCW 107Ti	Flux cored wire				
G-TECH 102	Electrode	Product for welding medium light carpentry, especially for aesthetic applications with good mechanical characteristics. Specific for flat welding.	520-600	>450	23
DAIKOFCW 102R	Flux cored wire				
G-TECH 103	Electrode	Universal product for welding medium light carpentry. Welding in all positions (excluding vertical down).	470-550	>410	21
DAIKOW SG2 HQ	Solid wire / TIG				
G-TECH 57	Electrode	Welding consumables for steels resistant to atmospheric corrosion (Corten type).	550-580	>460	>19
DAIKOW 66	Solid wire / TIG				
DAIKOFCW 66R	Flux cored wire				
DAIKOMCW 66					
G-TECH 107B	Electrode	Product for welding medium heavy carpentry. Welding in all positions with high mechanical characteristics. Specific for carpentry and pipes joints subject to radiographic controls.	580-650	>460	24
DAIKOW SG3 HQ	Solid wire / TIG				
DAIKOFCW 107B	Flux cored wire				
DAIKOMCW 107					
G-TECH 107	Electrode	Special double-coated electrode for welding medium-heavy carpentry specific for maintenance and repair even on site and on surfaces that are not perfectly prepared.	550-640	>420	20
G-TECH 90G	Electrode	Product for welding high yield strengh steel	596-610	>500	22
G-TECH 109	Electrode	Product for welding high yield strength steels. Specific for the repair of mechanical arms, buckets and other components of earthmoving vehicles.	690-780	>620	24
DAIKOW NiMo	Solid wire / TIG				
G-TECH 96	Electrode	Product for welding high yield strength steels such as Strenx 900. Specific for the repair of mechanical arms, mechanical cranes and other vehicle components for earthmoving.	790-850	>690	20
DAIKOW 96	Solid wire / TIG				
DAIKOMCW 115	Flux cored wire				





MANGANESE STEELS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES			
			RM	RS	A%	HARDNESS
G-TECH 814Mn	Electrode	Product for welding 14% manganese alloys. Specific for repair of sandblasting plates, crushing hammers etc. ...	730-800	>440	24	200-420 HB
DAIKOMCW 814	Flux cored wire					
G-TECH 814MnCr	Electrode	Product for welding Mn and Cr alloys used for repairs of shredders and crushing plates.	760-820	>520	26	220-450 HB
DAIKOFCW 814MnCr	Flux cored wire					
G-TECH 880	Electrode	Product for welding manganese steels and joining of high yield strength steel with carbon steels and for dissimilar joints. It is also used as buffer layer before wear-resistant cladding.	500-680	>440	35	210-430 HB
DAIKOW 880	Solid wire / TIG					
DAIKOFCW 880	Flux cored wire					
G-TECH 307B	Electrode	Product for welding Mn alloys used for repairs in all positions of wear plates and for dissimilar joints.	620-780	>410	36	220-380 HB
G-TECH 307						

N.B. wires are available in self-shielded (-O) or external shielding gas (-G) version.

DISSIMILAR STEELS AND NICKEL ALLOYS

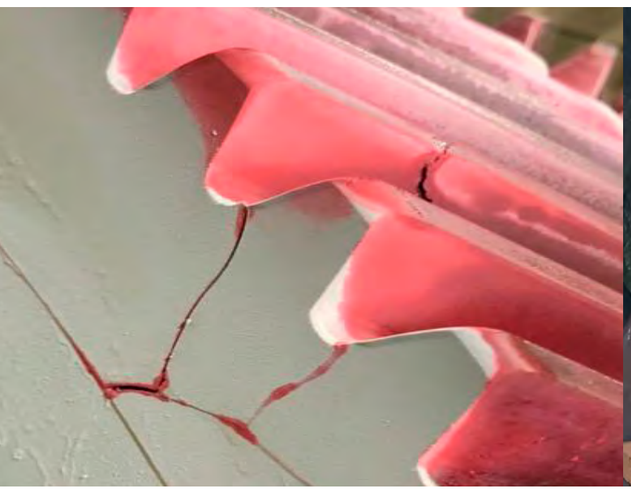
PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES		
			RM	RS	A%
G-TECH 860	Electrode	Special product for heterogeneous welding of stainless and carbon steels. Also used as buffer layer for subsequent coatings for high temperatures (such as cobalt and Cr-Ni-Mo alloys).	560-680	>500	35
DAIKOW 860	Solid wire / TIG				
DAIKOFCW 860	Flux cored wire				
G-TECH 890/G	Electrode	Product for welding dissimilar steels. It perfectly welds high C-content steels with common and stainless steels. Specific for repairs of gears, mechanical shafts etc. ...	750-850	>600	25
G-TECH 890/S	Electrode	Special product for welding dissimilar steels. Suitable for welding quenched and tempered/hardened steels with common and stainless steels and, in general, steels that are difficult to weld. Specific for repairs of gears, mechanical components and edges and cracks on molds etc. ...	760-880	>620	28
DAIKOW 890	Solid wire / TIG				
DAIKOFCW 890/S	Flux cored wire				
G-TECH 840 SX	Electrode	Product for repair on dissimilar, high-carbon steels and nickel alloys. It resists oxidation up to 900°C. Specific for repairs of cracks on furnaces, on structures of presses, cylinders, heat treatment cells, crucibles, and other components for high temperatures.	620-660	>380	35
G-TECH 840B	Electrode	Product for welding on dissimilar steels, e.g high carbon and nickel alloys. Resistant to oxidation up to 900°C. Specific for welding/ repair of ovens, crucibles and other high temperature components.	630-680	>380	35
DAIKOW 840	Solid wire / TIG				
DAIKOFCW 840	Filo animato				

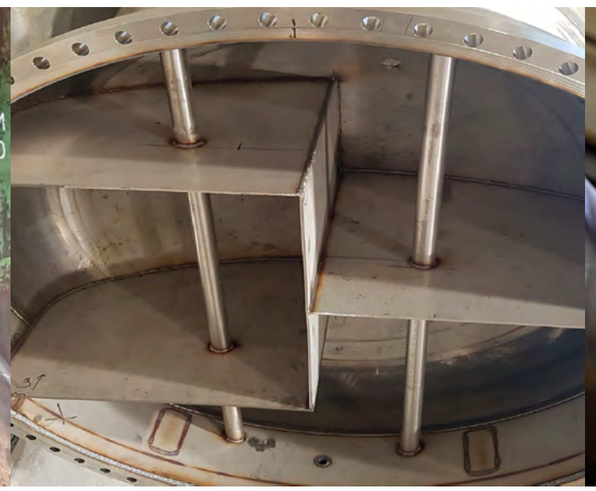
N.B. wires are available in self-shielded (-O) or external shielding gas (-G) version.

STAINLESS STEELS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES		
			RM	RS	A%
G-TECH 308L	Electrode	Low carbon austenitic stainless product for welding steel 304 - 304L. It grants good mechanical resistance and intergranular corrosion.	>520	>350	>35
DAIKOW 308L	Solid wire / TIG				
DAIKOFCW 308L	Flux cored wire				
G-TECH 316L	Electrode	Low carbon austenitic stainless product for welding steel 316 - 316L. Excellent mechanical resistance and intergranular corrosion.	>570	>430	>28
DAIKOW 316L	Solid wire / TIG				
DAIKOFCW 316L	Flux cored wire				
G-TECH 309L	Electrode	Low carbon austenitic stainless product for welding stainless and carbon steels. Good resistance to temperature and oxidation. Also used as buffer layer before surfacing.	>540	>410	>27
DAIKOW 309L	Solid wire / TIG				
DAIKOFCW 309L	Flux cored wire				
G-TECH 310	Electrode	Special product for welding refractory steels, resistant to oxidation up to about 1200°C. Specific for repairs on furnaces and heat treatment plants.	>570	>380	>30
DAIKOW 310	Solid wire / TIG				
DAIKOFCW 310	Flux cored wire				

NOTE: the electrodes are available in basic (-15), semibasic (-16) and rutile (-17) versions





ANTI-WEAR / ANTI-ABRASION COATINGS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES	
			HARDNESS	TEMPERATURE RESISTANCE
G-TECH 350	Electrode	Product for wear resistant coatings suitable for strong impacts and high pressures. Specific for tracks, overhead crane wheels etc...	350 HB	500°C
DAIKOW 350	Solid wire/TIG			
G-TECH 201R/B	Electrode	Product resistant to wear and moderate impacts. Specific for hardfacing on buckets, crushing pliers in the cement sector. Suitable for reconstructing of components of plants for the production of brick, and agricultural tools.	600 HB	520°C
DAIKOW 201R - NR	Solid wire/TIG			
DAIKOMCW 201R - NR	Flux cored wire			
DAIKOMCW 203R	Flux cored wire	Specific product for wear resistant coatings, suitable for grinding and dragging rollers, resistant to impact and compression.	58-60 HRc	550°C
DAIKOFCW 650	Flux cored wire	Product resistant to wear, impacts and strong compressions. Specific for hardfacing on components of mills for the crushing and disposal of waste.	50-54 HRc	400°C
DAIKOFCW 600Ti	Flux cored wire	Titanium stabilized product, resistant to wear, impacts and strong compressions. Specific for hardfacing on crushing mills and rollers for the processing of coal and cement and clinker.	56-58 HRc	400°C
DAIKOFCW 800 NR	Flux cored wire	Specific product for wear resistant coatings, suitable for reconstructing of augers and extrusion screws, and teeth of shredders in general. Resistant to impact and compression.	59-61 HRc	550°C
DAIKOFCW 627	Flux cored wire	CrMoNb alloyed product resistant to wear, shocks and strong compressions. Specific for surfacing on mills crushers and shredders generally used in the recycling sector.	55-58 HRc	400°C
DAIKOMCW 864	Flux cored wire	Niobium stabilized product, wear and impact resistant thanks to the formation of Nb carbides, which greatly reduce the formation of cracks. Specific for crushers of all kinds.	62-65 HRc	400°C
G-TECH 850	Electrode	Product resistant to wear and moderate impacts. Specific for hardfacing of dredges, augers and parts of mixers.	55-59 HRc	600°C
DAIKOFCW 850	Flux cored wire			
G-TECH 640	Electrode	Product resistant to wear and moderate impact. Specific for hardfacing on crushing mills and shredders for the recycling sector, transport augers etc...	57-60 HRc	500°C
DAIKOFCW 640	Flux cored wire			
DAIKOFCW 649	Flux cored wire	Specific for rotor coatings for rubber mixing, for coatings of crushing hammers, excavation augers, etc...	58-60 HRc	550°C
G-TECH 642	Electrode	Product resistant to wear and moderate impact. Specific for hardfacing on crushing mills, clay mixers, augers, dredges etc...	59-61 HRc	450°C
DAIKOFCW 642	Flux cored wire			

N.B. wires are available in self-shielded (-O) or external shielding gas (-G) version.

ANTI-WEAR / ANTI-ABRASION COATINGS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES	
			HARDNESS	TEMPERATURE RESISTANCE
DAIKOFCW 655	Flux cored wire	Specific to resist wear in presence of light impacts, mainly used for furnaces, ceramics and recycling applications.	59-60 HRc	500°C
DAIKOFCW 656 Mo	Flux cored wire	Specific for rotors for clay mixers, for hardfacing of oil pressing screws and compost press screws, etc.	59-60 HRc	650°C
G-TECH 643	Electrode	Product strongly resistant to wear and light impacts. Specific for hardfacing on drills for excavation, augers for the transport of gravel and particularly abrasive aggregates.	61-63 HRc	450°C
DAIKOFCW 643	Flux cored wire			
G-TECH 661Nb	Electrode	Product highly resistant to abrasion and compression. The formation of Nb carbides promotes resistance to high temperatures and avoids the formation of cracks. Used for crushers and shredders in general.	62-64 HRc	650°C
DAIKOFCW 661Nb	Flux cored wire			
G-TECH 695	Electrode	Product highly resistant to abrasion, free from impacts. Specific for hardfacing on components subject to wear and high temperature such as slides and mixers for the handling of hot slag from steelworks and agglomerate.	62-65 HRc	850°C
DAIKOFCW 695	Flux cored wire			
G-TECH 668	Electrode	Extra hard product strongly resistant to abrasion (without impacts). Specific for highly abrasive fine dust mixers such as glass, silica and coal.	64-68 HRc	500°C
DAIKOFCW 668	Flux cored wire			
DAIKOFCW 670Nb	Flux cored wire	Product highly resistant to abrasion, free from impacts. Specific for mixers and components for the ceramic processing sector.	68-70 HRc	350°C
DAIKOFCW 690NT	Flux cored wire	Highly abrasion resistant product with moderate impacts. The deposit is characterized by the formation of complex carbides and borides that favor an extreme resistance to extremely severe wear.	70-71 HRc	350°C
DAIKOFCW 729/G	Flux cored wire	CrMoNbBV alloyed product, highly resistant to extreme abrasion without impacts. Used for applications in mining, ceramics, etc...	66-70 HRc	650°C
G-TECH 2002	Electrode	Iron-based product containing about 60% tungsten carbides highly resistant to abrasion and moderate impact. Specific for dredging and for hardfacing on excavator screws.	Matrice: 55-60 HRc Carburi: 2300 HV	350°C
DAIKOW 2002	Rod			
DAIKOFCW 2002	Flux cored wire			
G-TECH 2003	Electrode	Nickel-chromium-boron-silicon-based product containing about 60% tungsten carbides highly resistant to abrasion and impact. Also resistant to chemical aggression and acid attacks. Specific for excavation in the oil &gas sector and in the drilling sector.	Matrice: 47-52 HRc Carburi: 2300 HV	500°C
DAIKOW 2003	Rod			
DAIKO 2003 FLEX	Cord			
DAIKOFCW 2003	Flux cored wire			
DAIKOFCW 2003/S				

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COATINGS FOR CUTTING TOOLS, MOULDS AND DIES

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES	
			HARDNESS	TEMPERATURE RESISTANCE
G-TECH 3004	Electrode	Product for wear-resistant and strong impacts and compressions. Suitable for mold stands, blades and tools generally working hot.	38-42 HRc	600°C
DAIKOW 3004	Solid wire/ TIG			
DAIKOFCW 3004	Flux cored wire			
G-TECH 3003	Electrode	Product for wear-resistant coatings with moderate impacts and compressions. Suitable for punches, knives and tools and edges of hot working molds.	45-50 HRc	600°C
DAIKOW 3003	Solid wire/ TIG			
DAIKOFCW 3003	Flux cored wire			
G-TECH 3002	Electrode	Product for wear-resistant coatings, and compressions. Suitable for punches, knives and tools and edges of hot working molds. Workable only by grinding wheel or EDM.	55-58 HRc	600°C
DAIKOW 3002	Solid wire/ TIG			
DAIKOFCW 3002	Flux cored wire			
G-TECH 1CrMo	Electrode	Product for repairing and reconstructing on quench and tempered steels. The color of the deposit is similar to the base material.	230/270 Hb	550°C
DAIKOW 1CrMo	Solid wire/ TIG			
DAIKOFCW 1CrMoB	Flux cored wire			
G-TECH 650W	Electrode	Product for the hardfacing of tools for hot and cold cutting, also used for surfacing on teeth of shredders for the recycling sector in general and crusher hammers.	45-47 HRc	550°C
DAIKOFCW 650W	Flux cored wire			
G-TECH 655W	Electrode	Product for hardfacing tools for hot and cold cutting, also used for surfacing on crushing hammers, for the plastic treatment and recycling sector, wood, etc.	53-56 HRc	550°C
DAIKOFCW 655W	Flux cored wire			
G-TECH 659W	Flux cored wire	Product for hardfacing tools for hot and cold cutting, also used for surfacing on teeth of shredders for the recycling, aluminum, wood and compost sectors.	58-60 HRc	550°C
DAIKOFCW 659W				

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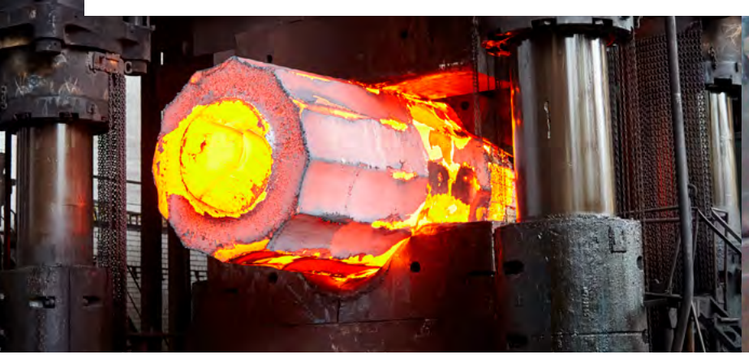

COATINGS FOR CUTTING TOOLS, MOULDS AND DIES

PRODUCT	FORMAT	DESCRIPTION	CARATTERISTICHE MECCANICHE	
			HARDNESS	TEMPERATURE RESISTANCE
G-TECH 660W	Electrode	Product for hardfacing tools for hot and cold cutting, also used on teeth of shredders for the recycling, aluminum, wood and compost sectors.	58-60 HRc	550°C
DAIKOFCW 660W	Flux cored wire			
G-TECH 3001HS	Electrode	Product for hardfacing on rapid steel tools such as knives for plastic, punches for both hot and cold processing of sheets.	60-63 HRc	600°C
DAIKOW 3001HS	Solid wire/ TIG			
DAIKOW 3013H	Solid wire/ TIG	Product for hardfacing on wear-resistant hot-working steels. Specific for repairing spindles, punches, blades for shears and hammers in general. Also used for blades for cutting timber.	55-60 HRc	600°C
G-TECH 3018Mg	Electrode	Product for repair and reconstruction on hot extrusion steels. Specific for die-casting molds of aluminum alloys and other non-ferrous and surfacing on steel type Maraging etc.	38-40 HRc saldato 53-54 HRc temprato	750°C
DAIKOW 3018Mg	Solid wire/ TIG			
DAIKOFCW 3018Mg	Flux cored wire			
G-TECH 65H	Electrode	Product resistant to hot oxidation, specific for hardfacing on rollers for steel mills, guides of rolling mills and shearing tools in general.	57-60 HRc	550°C
DAIKOW 65H	Solid wire/ TIG			
DAIKOFCW-MCW 65H	Flux cored wire			
G-TECH 3750	Electrode	Special product alloyed with Cr-Co-Mo specific for repairs and hardfacing on molds and dies for hot forging.	42-48 HRc	750°C
DAIKOFCW 3750	Flux cored wire			
G-TECH 1002	Electrode	Special nickel-based product resistant to specific hot oxidation for hardfacing on molds and tools for forging.	250 HB saldato 400 HB incrudito	900°C
DAIKOW 1002	Solid wire/ TIG			
G-TECH 1002Co	Electrode	Special nickel-based product linked alloyed with cobalt, resistant to specific hot oxidation, for hardfacing on molds and tools for forging. Also used as a base layer for subsequent hardfacing with cobalt-based alloys.	270 HB saldato 450 HB incrudito	1000°C
DAIKOFCW 1002Co	Flux cored wire			
DAIKOFCW 520Co	Flux cored wire	Special nickel-based product alloyed with Cr-Mo-Co-W-Ti, resistant to high temperature oxidation and specific for hardfacing on hammers and tools for hot forging.	350 HB saldato 470 HB incrudito	750°C
G-TECH 6170Co	Electrode	Special nickel-based product alloyed with Cr-Mo-Co resistant to high temperature oxidation and specific for hardfacing on components for hot forging.	250 HB saldato 350 HB incrudito	1000°C
DAIKOW 6170Co	Solid wire/ TIG			

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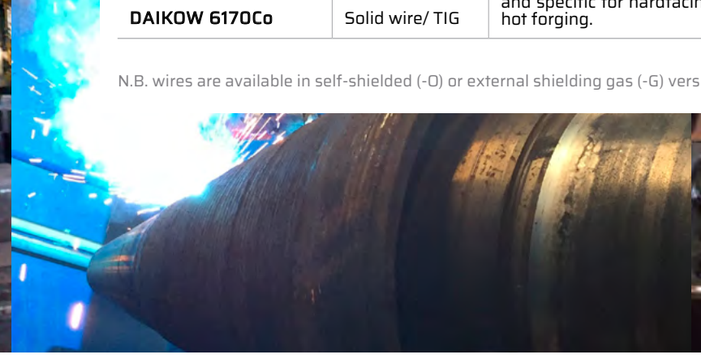

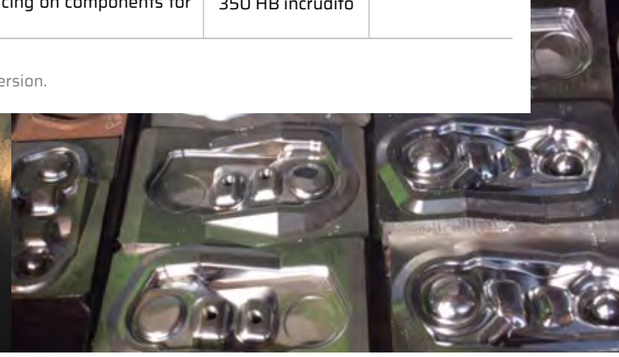

MARTENSITIC HARDFACING

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES	
			HARDNESS	TEMPERATURE RESISTANCE
G-TECH 410	Electrode	Product resistant to hot oxidation, specific for the repair and reconstruction of molds for the production of lights and transparent plastics	34-35 HRc	450°C
DAIKOW 410	Solid wire/TIG			
DAIKOW 4130	Solid wire/TIG	High-strength product used for welding on steels of similar composition. Used in the aeronautical sector, automotive and tools and punches for forging.	36-40 HRc	450°C
G-TECH 410NiMo	Electrode	Product resistant to hot oxidation, specific for the repair of hydraulic turbines, paper mill impellers. Also used for hardfacing on continuous casting rollers for steel mills.	38-42 HRc	500°C
DAIKOW 410NiMo	Solid wire/TIG			
DAIKOFCW 4140 N-L-H	Flux cored wire			
G-TECH 4122	Electrode	Product resistant to specific hot oxidation for hardfacing on steel mill rollers and on valves and components for oil &gas.	28-30 HRc saldato 46-50 HRc temprato	450°C
DAIKOW 4122	Solid wire/TIG			
DAIKOFCW 4122	Flux cored wire			
G-TECH 430	Electrode	Product resistant to hot oxidation, specific for repair and coatings on continuous casting rollers for steel mills, sliding guides etc.	220-250 Hb	500°C
DAIKOW 430	Solid wire/TIG			
DAIKOFCW 430	Flux cored wire			
G-TECH 420	Electrode	Product resistant to hot oxidation, specific for repairing hardfacing on continuous casting rollers and rollers generally for steel mills.	32-38 HRc saldato 42-48 HRc temprato	500°C
DAIKOW 420 B-C	Solid wire/TIG			
DAIKOFCW 420	Flux cored wire			

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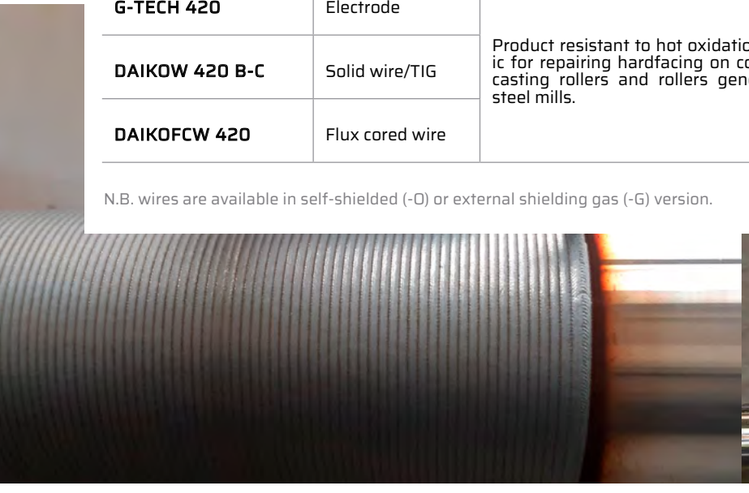
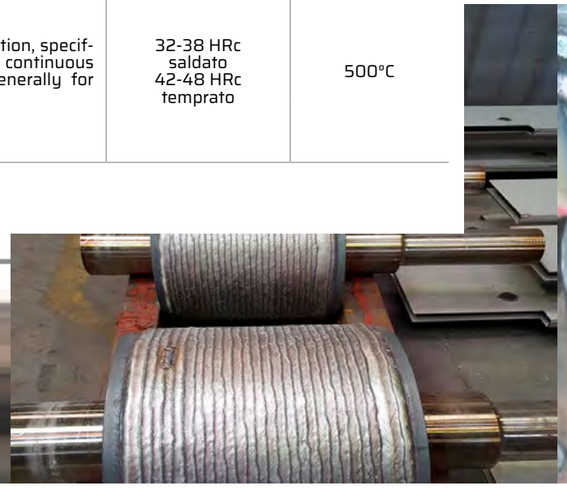
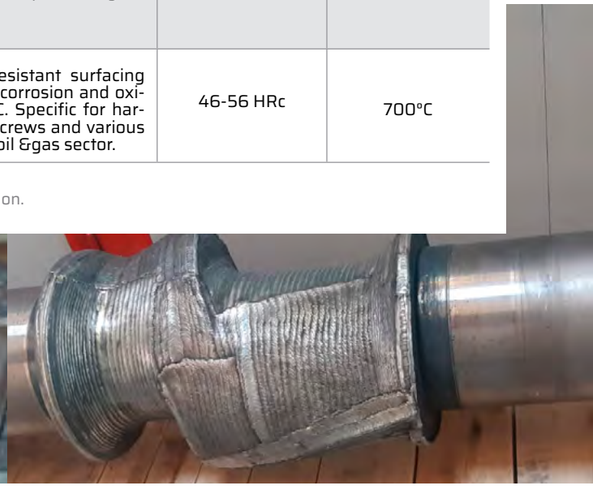




COBALT ALLOYS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES	
			HARDNESS	TEMPERATURE RESISTANCE
G-TECH 1010	Electrode	Product for wear-resistant surfacing also in presence of corrosion and oxidation up to 900 °C. Specific for hot sliding guides and turbine components.	53-58 HRc	900°C
DAIKOW 1010	TIG			
DAIKOFCW 1010	Flux cored wire			
G-TECH 1006	Electrode	Product for wear-resistant surfacing also in presence of corrosion and oxidation up to 900 °C. Specific for hot sliding guides and valve seats in the oil &gas sector.	36-44 HRc	900°C
DAIKOW 1006	TIG			
DAIKOFCW 1006 / LC	Flux cored wire			
G-TECH 1008	Electrode	Product for wear-resistant surfacing also in presence of corrosion and oxidation up to 900 °C. Specific for blades and shearing knives in the wood sector and for hardfacing on punches and matrices for the processing of stainless steels.	46-50 HRc	900°C
DAIKOW 1008	TIG			
DAIKOFCW 1008	Flux cored wire			
G-TECH 1021	Electrode	Product for wear-resistant surfacing also in presence of corrosion and oxidation up to 1000 °C. Specific for hardfacing on blades and knives for hot cutting in the steel sector. Very resistant to impacts and compression, free from cracks.	33-36 HRc saldato 44-47 HRc incrudito	1000°C
DAIKOW 1021	TIG			
DAIKOFCW 1021	Flux cored wire			
G-TECH 1025	Flux cored wire	Product for wear-resistant surfacing also in presence of corrosion and oxidation up to 800 °C. Specific for blades and shearing knives in the wood sector and for hardfacing on punches and matrices for the processing of stainless steels.	200-220 HB saldato 38-40 HRc incrudito	800°C
DAIKOW 1025	TIG			
DAIKOFCW 1025	Flux cored wire			
DAIKOFCW 1050	Flux cored wire	Product for wear-resistant surfacing also in presence of corrosion and oxidation up to 700 °C. Specific for hardfacing on valves, screws and various components of the oil &gas sector.	46-56 HRc	700°C

N.B. wires are available in self-shielded (-O) or external shielding gas (-G) version.



CAST IRONS

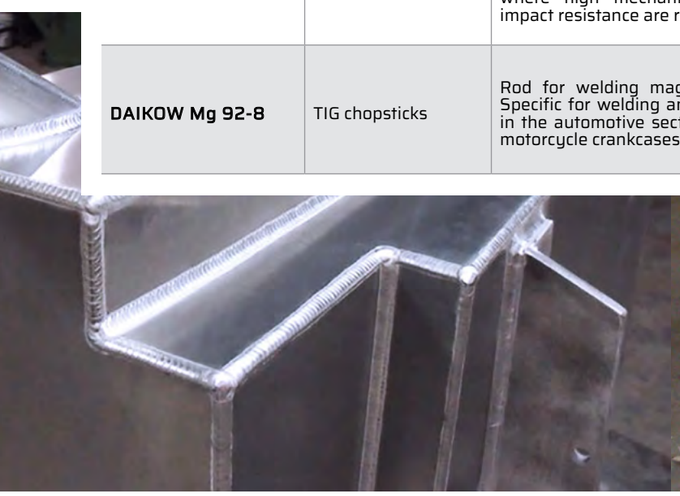
PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES			
			HARDNESS	RM	RS	A%
G-TECH 324	Electrode	Pure nickel product for welding and repairing gray cast iron and malleable cast irons. The weld metal is very elastic and can be worked with tools.	140-160 HB	450 MPa	300 MPa	20
DAIKOW 324	Solid wire/TIG					
G-TECH 323	Electrode	Nickel/iron based product for welding and repairing graphitic cast irons and mechanical cast irons. Very durable weld metal. It is also used for joining cast with steels in general.	170-200 HB	450 MPa	230 MPa	10
DAIKOW 323	Solid wire/TIG					
G-TECH 323S	Electrode	Nickel/iron based product for welding and repairing graphitic cast irons and mechanical cast irons. Thanks to the high nickel content, the deposit is very tenacious. It is also used for joining cast with steels in general.	160-180 HB	500 MPa	350 MPa	12
DAIKOFCW 323S	Flux cored wire					
DAIKOFCW 321	Flux cored wire	Nickel/iron based product for welding and repairing graphitic cast irons and for mixed cast iron welds with steels.	140-160 HB	430 MPa	220 MPa	10
DAIKOFCW 345	Flux cored wire	Nickel/iron-based product for welding and repairing cast iron castings and for mixed cast iron welds with steels.	150-170 HB	550 MPa	340 MPa	16
G-TECH 330Cu	Electrode	Nickel-copper-based product for welding and repairing cast irons that are difficult to weld. The deposit can be worked with tools.	160-180 HB	330 MPa	200 MPa	18
DAIKOW 330Cu	Solid wire/TIG					
G-TECH 306Cu	Electrode	Product based on nickel and iron with copper for welding and repairing cast irons that need a good arc strike and a malleable deposit.	180-200 HB	380 MPa	240 MPa	15
G-TECH 305	Electrode	Nickel-iron-based product with bimetallic core for welding and repairing cast irons when high quality mechanical and aesthetical deposit is needed.	190-210 HB	450 MPa	250 MPa	14
G-TECH 301	Electrode	Economical product for repairing hot iron castings. The deposit has the same color of the base material.	150-220 HB	520 MPa	330 MPa	8
G-TECH 301V	Electrode	Special product for welding and hardfacing cast iron. The deposit has the same color as the base material.	240-260 HB	580 MPa	350 MPa	8

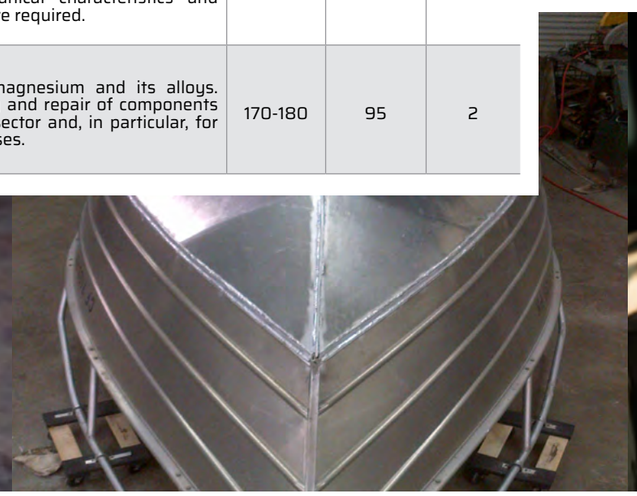
COPPER AND ITS ALLOYS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES			
			HARDNESS	RM	RS	A%
G-TECH CuSn	Electrode	Special product for copper welding with excellent electrical conductivity. Specific for welding of electrolytic cells and components for steelworks.	60-70 HB	190 MPa	60 MPa	35
DAIKOW CuSn	Solid wire/ TIG					
DAIKOW CuAg	Solid wire/ TIG	Special product for copper welding with excellent electrical conductivity. Specific for welding of electrical components, conductors etc.	70-90 HB	210 MPa	70 MPa	35
DAIKOW CuSi3	Solid wire/ TIG	Special product for welding copper and its alloys, and also for joining copper with steels. Specific for welding galvanized sheet in general.	90 HB	350 MPa	150 MPa	42
G-TECH CuSn7	Electrode	Special product for welding copper/tin alloys. Specific for welding of bronzes and castings in general, also for artistic applications.	80 HB	260 MPa	140 MPa	20
DAIKOW CuSn6	Solid wire/ TIG					
DAIKOW CuSn8	Solid wire/ TIG	Special product for welding copper/tin alloys. Specific for welding valves and castings in general, even for artistic applications.	90 HB	280 MPa	150 MPa	20
DAIKOW CuSn9	Solid wire/ TIG	Special product for welding copper alloys with a high tin content. Specific for welding of special bronzes and castings in general, even for artistic applications of high quality.	100 HB	360 MPa	180 MPa	42
DAIKOW CuSn12	Solid wire/ TIG	Special product for welding copper alloys with a high tin content. Specific for welding of special bronzes and castings in general, even for artistic applications of high quality	90 HB	280 MPa	150 MPa	20
G-TECH 401	Electrode	Special product for welding Bz/Al alloys. Specific for welding pump bodies, naval propellers, anti-friction plating, etc. It is also used to weld brass alloys for color similarity.	100 HB	400 MPa	180 MPa	40
DAIKOW 401	Solid wire/ TIG					
G-TECH 405	Electrode	Special product for welding Bz/Al alloys. Specific for welds and antifriction plating etc. Repair of sliding guides, bearings etc.	140 HB	500 MPa	210 MPa	35
DAIKOW 405	Solid wire/ TIG					
DAIKOW CuAl8Ni2	Solid wire/ TIG	Special product for welding Bz/Al alloys. Specific for wear resistant platings. Repair of guides sliding, bushings etc.	150 HB	530 MPa	240 MPa	30
DAIKOW CuAl8Ni6	Solid wire/ TIG	Special product for welding CuAl-Ni alloys, excellent resistance to fretting wear with metals in general, specific for guides and bushings	200 HB	690 MPa	270 MPa	16
G-TECH 403	Electrode	Wear-resistant product for hardfacing on all steels, resistant to corrosion and cavitation. Specific for turbines, ship hinges etc.	250-290 HB	900 MPa	350 MPa	10
DAIKOW CuMn13Al	Solid wire/ TIG					
G-TECH 413	Electrode	Special product for welding Cupro-nickel alloy 70/30. Specific for the construction and repair of exhaust pipes in the shipbuilding segment and plating of heat exchangers.	80 HB	300 MPa	160 MPa	34
DAIKOW 413	Solid wire/ TIG					
DAIKOW 412	Solid wire/ TIG	Special product for welding Cupro-nickel alloy 90/10. Specific for the construction and repair of exhaust pipes in the shipbuilding segment and plating of heat exchangers.	115 HB	420 MPa	210 MPa	36

ALUMINIUM AND ITS ALLOYS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES		
			RM	RS	A%
G-TECH Al 99,8	Electrode	Product for welding pure aluminum, resistant to corrosion. Specific for the industrial electrical sector, excellent conductivity. Suitable for welding 1070-1080-1450-1100 alloys.	90-110	70	30
DAIKOW Al 99,8	Solid wire/TIG				
G-TECH 605	Electrode	Product for welding aluminum silicon alloys. Specific for repairing engine blocks and castings, generally in Al/Si alloy. Construction of frames for trade fair furniture etc.	110-130	80	20
DAIKOW 605 (AlSi5)	Solid wire/TIG				
G-TECH 601	Electrode	Product for welding alloys with a high silicon content. Specific for repairing monoblocs castings, heads of diesel engines etc.	130-150	70	18
DAIKOW 601 (AlSi12)	Solid wire/TIG				
DAIKOW AlMg3	Solid wire/TIG	Product for welding magnesium aluminum alloys, resistant to corrosion. Excellent resistance to high temperatures.	230-250	120	22
DAIKOW AlMg5	Solid wire/TIG	Product for welding aluminum alloys from 3 to 5% magnesium, resistant to marine corrosion. Specific for shipbuilding and carpentry where high mechanical strength is required.	270-290	125	30
DAIKOW AlMg4,5Mn	Solid wire/TIG	Product for welding magnesium aluminum alloys, excellent corrosion resistance. Specific for carpentry constructions and shipbuilding where high mechanical characteristics and impact resistance are required.	300-320	130	30
DAIKOW Mg 92-8	TIG chopsticks	Rod for welding magnesium and its alloys. Specific for welding and repair of components in the automotive sector and, in particular, for motorcycle crankcases.	170-180	95	2



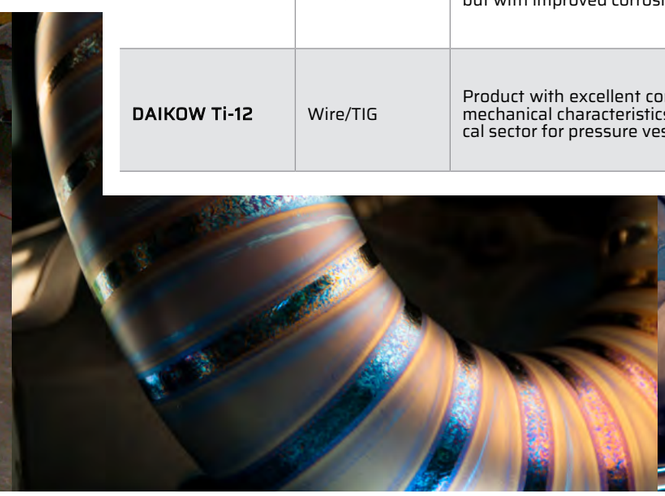


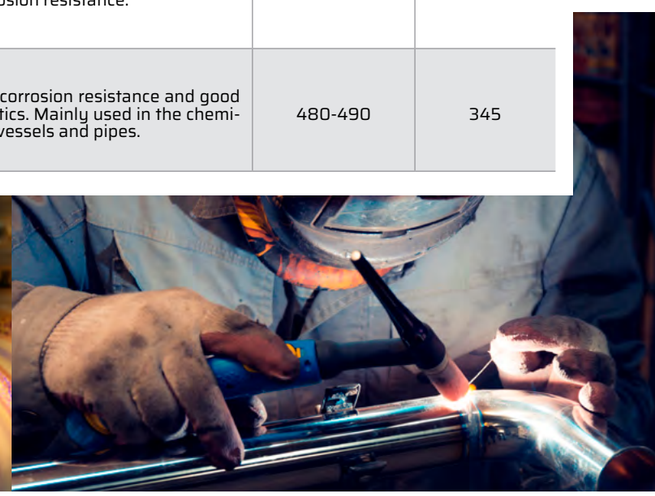
CUTTING GAND BEVELING

PRODUCT	FORMAT	DESCRIPTION
G-TECH 390	Electrode	Electrode used for beveling on all types of steel, cast iron etc. Used for cutting previous welds and for beveling on castings.
CARBONE GIUNTABILE E NON GIUNTABILE	Electrode in graphite	Electrode in graphite, coppered to be used with generator in combination with compressed air. Specific for cutting and beveling, on all types of carbon steels, stainless steels and cast iron. Mainly used for large removals.

TITANIUM ALLOYS

PRODUCT	FORMAT	DESCRIPTION	MECHANICAL PROPERTIES	
			RM	RS
DAIKOW Ti-1	Wire/TIG	Commercially pure titanium. It is the grade with the least mechanical strength, but which guarantees maximum ductility. The deposit guarantees excellent corrosion resistance in oxidizing environments.	300-340	250
DAIKOW Ti-2	Wire/TIG	Universal product for welding titanium gr. 1, 2, 3 and 4. It offers excellent weldability and is used especially in the chemical industry.	400-540	275
DAIKOW Ti-5	Wire/TIG	Product for welding titanium grade 5. It offers extreme mechanical strength combined with excellent corrosion resistance. Used in aerospace, chemical, energy production and oil &gas.	890-920	810
DAIKOW Ti-7	Wire/TIG	Product with mechanical properties similar to grade 2 but with improved corrosion resistance.	380-420	275
DAIKOW Ti-12	Wire/TIG	Product with excellent corrosion resistance and good mechanical characteristics. Mainly used in the chemical sector for pressure vessels and pipes.	480-490	345

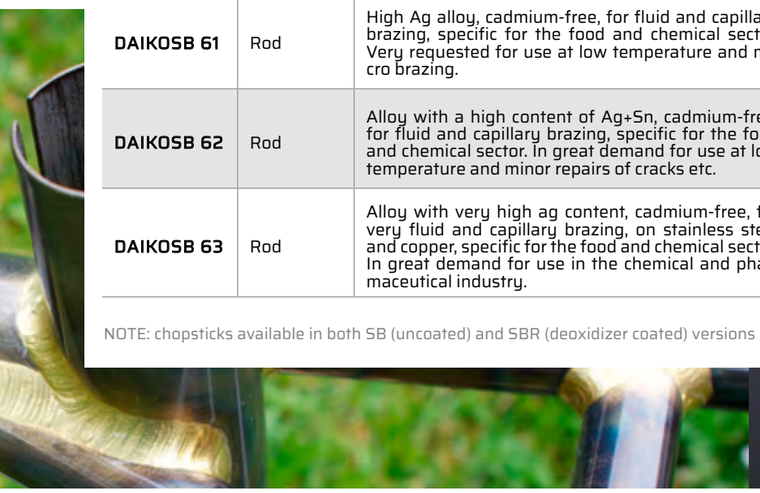


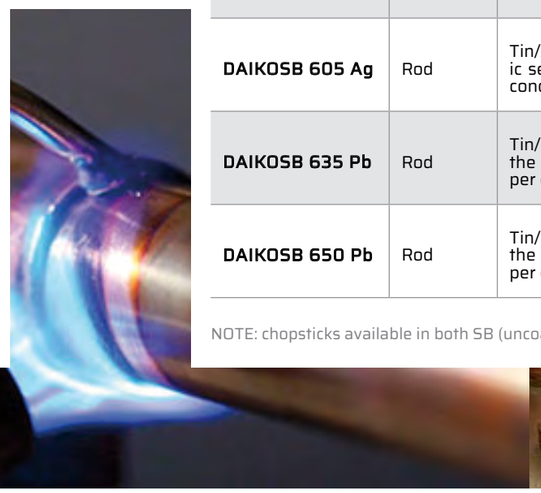


ALLOYS FOR BRAZING AND BRAZING

PRODUCT	FORMAT	DESCRIPTION	BLENDING RANGE	MECHANICAL PROPERTIES	
				RM N/MMQ.	A%
DAIKOSB 52	Rod	Fluid alloy for the economic brazing of copper, specific for the thermohydraulic sector.	710-785°C	230-260	3,5
DAIKOSB 53	Rod	Very fluid alloy for the economical brazing of copper, specific for thermohydraulic sector, and for narrow tolerances.	710-730°C	250-290	5
DAIKOSB 54	Rod	Very fluid alloy with low Ag content, for copper brazing, specific for the industrial refrigeration sector. Very smooth and durable.	645-785°C	270-320	7
DAIKOSB 55	Rod	Very fluid alloy with a high Ag content, for copper brazing, specific for the industrial refrigeration sector. Very smooth and durable.	650-815°C	290-340	10
DAIKOSB 56	Rod	Cadmium-free low Ag alloy, very resistant, specific for brazing of ferrous material, copper alloys, hard metals etc.	690-810°C	370-440	25
DAIKOSB 57	Rod	Alloy with low content of Ag+Sn, cadmium-free, very resistant and fluid, specific for brazing of ferrous material, copper and nickel alloys.	680-760°C	340-390	20
DAIKOSB 58	Rod	Medium-content alloy of Ag, cadmium-free, very fluid, for brazing in the refrigeration sector and unions between ferrous and copper alloys.	677-766°C	320-350	18
DAIKOSB 59	Rod	Medium content alloy of Ag +Sn, cadmium-free, very fluid, for capillary brazing in the refrigeration sector and unions between copper and brass, copper and steel, also for the food sector.	665-755°C	310-340	20
DAIKOSB 60	Rod	Medium/high content alloy of Ag+Sn, cadmium-free, very fluid and capillary bath, specific for the refrigeration sector and unions between copper and brass, copper and steel, also for food and chemical plants.	630-730°C	310-330	21
DAIKOSB 61	Rod	High Ag alloy, cadmium-free, for fluid and capillary brazing, specific for the food and chemical sector. Very requested for use at low temperature and micro brazing.	677-732°C	320-370	26
DAIKOSB 62	Rod	Alloy with a high content of Ag+Sn, cadmium-free, for fluid and capillary brazing, specific for the food and chemical sector. In great demand for use at low temperature and minor repairs of cracks etc.	650-710°C	310-360	27
DAIKOSB 63	Rod	Alloy with very high ag content, cadmium-free, for very fluid and capillary brazing, on stainless steel and copper, specific for the food and chemical sector. In great demand for use in the chemical and pharmaceutical industry.	630-660°C	350-410	30

NOTE: chopsticks available in both SB (uncoated) and SBR (deoxidizer coated) versions

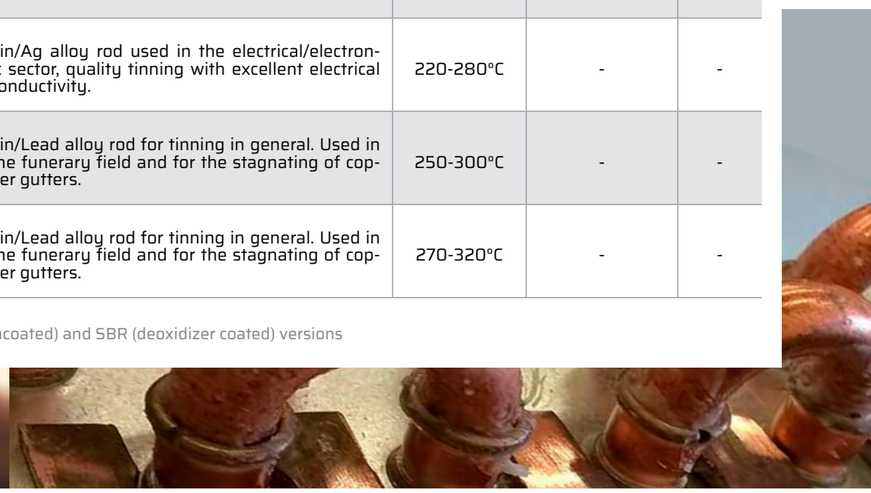




ALLOYS FOR BRAZING AND BRAZING

PRODUCT	FORMAT	DESCRIPTION	BLENDING RANGE	MECHANICAL PROPERTIES	
				RM N/MMQ.	A%
DAIKOSB 64	Rod	Alloy with very high ag content, cadmium-free, for very fluid and capillary brazing, on stainless steel and copper, specific for the food and chemical sector. In great demand for use in the chemical and pharmaceutical industry.	620-655°C	355-420	32
DAIKOSB 85PR	Rod	Partially coated alloy for brazing all copper alloys that are difficult to weld. Usable for both flame and TIG applications.	820-860°C	750-810	22
DAIKOSB 412/F	Flux cored rod	Rod containing deoxidizing flux, for the brazing of the aluminium/Si 10-12 alloys used in the vintage bodywork and repair sector of radiators.	560-580°C	120-150	18
DAIKOSB 410/S	Flux cored rod	Rod containing deoxidizer, for brazing aluminum alloys series 4043-4047. Specific for repair of engine blocks and components of silicon aluminum alloys.	575-580°C	130-160	25
DAIKOSB ZnAl2	Rod	Self-shielded cored ZnAl alloy, for brazing aluminum alloys. Specific for the repair of heat exchangers, aluminum condensers etc. Very smooth and durable.	377-385°C	190-220	24
DAIKOSB ZnAl22	Rod	Self-shielded cored ZnAl alloy, for brazing aluminum alloys. Specific for the repair of radiators, heat exchangers etc. Very fluid and ductile for small thicknesses.	430-490°C	170-200	20
DAIKOSB 510	Rod	Copper/zinc alloy with high mechanical strength, for the brazing of steel, cast iron and brass. Specific for antifriction surfacing, for repairing naval propellers and brass components.	865-890°C	780-840	22
DAIKOSB 511	Rod	Copper/zinc and nickel alloy with high mechanical strength, for steels brazing in general. Specific for the production of metal furniture, braze welding of tools and joining high pressure pipes.	940-980°C	810-870	20
DAIKOSB 600 Sn	Rod	Tin alloy rod used in the electronics sector, and for economic tinning in general.	235-295°C	-	-
DAIKOSB 605 Ag	Rod	Tin/Ag alloy rod used in the electrical/electronic sector, quality tinning with excellent electrical conductivity.	220-280°C	-	-
DAIKOSB 635 Pb	Rod	Tin/Lead alloy rod for tinning in general. Used in the funerary field and for the stagnating of copper gutters.	250-300°C	-	-
DAIKOSB 650 Pb	Rod	Tin/Lead alloy rod for tinning in general. Used in the funerary field and for the stagnating of copper gutters.	270-320°C	-	-

NOTE: chopsticks available in both SB (uncoated) and SBR (deoxidizer coated) versions



FLUXES

PRODUCT	FORMAT	DESCRIPTION	MELTING POINT
DAIKO N	Powder	Deoxidizer for brazing copper and its alloys, used as an active protection to prevent the formation of oxides on the workpiece to be as welded.	520-840°
DAIKO N/P	Paste		
DAIKO H	Powder	Deoxidizer for the brazing of stainless steel, extremely fluid, penetrates even in very thin spaces. Used for capillary brazing.	500-800°
DAIKO H/P	Paste		
DAIKO OT	Powder	Deoxidizer for brazing brass and brass/nickel. Also used for brazing hard metals.	790-980°
DAIKO OT/P	Paste		
DAIKO AL	Powder	Deoxidizer for brazing aluminum and its alloys.	500-700°
DAIKO GHISAL	Powder	Deoxidizer for autogenous welding of cast iron, used to avoid the formation of oxides.	790-980°
DAIKO H7 SN	Liquid	Deoxidizer for use with tin and tin/Ag alloys.	180-290°
DAIKO STAGNAL	Paste	Deoxidizer in paste to be used for unions of copper plates, and tin copper. Excellent electrical conductivity. Do not point the flame directly at the product.	190-220°
UNIVERSAL 1000	Paste	Deoxidizer in paste specific for brazing alloys with high Ag content, mainly used for joining stainless steels.	400-800°

METALSPRAY POWDERS FOR HARDFACING

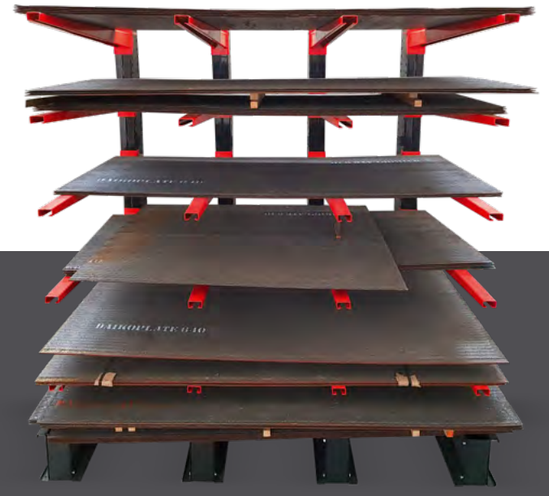
PRODUCT	DESCRIPTION	HARDNESS
DAIKOPW 30 WC	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.5 up to 2.0mm on Carbon Steel (1.0mm max on Stainless Steel). Machining is possible with grinding wheel.	Matrix 60 HRc WC 1900HV
DAIKOPW 40 WC	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.3 up to 1.5mm on Carbon Steel (0.8mm max on Stainless Steel). Machining is possible with grinding wheel.	Matrix 60 HRc WC 1900HV
DAIKOPW 155 WC	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.8 up to 3.0mm on Carbon Steel (2.0mm max on Stainless Steel). Machining is possible with grinding wheel.	Matrix 53 HRc WC 1900HV
DAIKOPW 60WC	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.3 up to 1.0mm on Carbon Steel (0.7mm max on Stainless Steel). Machining is possible with grinding wheel.	Matrix 60 HRc WC 1900HV
DAIKOPW 80WC	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.3 up to 0.8mm on Carbon Steel (0.5mm max on Stainless Steel). Machining is possible with grinding wheel.	Matrix 60 HRc WC 1900HV
DAIKOPW 555 WC	Anti-wear coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.8 up to 5.0mm on Carbon Steel (2.0mm max on Stainless Steel). Machining is possible with grinding wheel.	Matrix 48 HRc WC 1900HV
DAIKOPW 22GL	Designed for the glass industry, used for geometrical and dimensional reconstructions or single-layer coatings on cast iron. Applicable thickness from 0.5 to 3.0mm.	22 HRc
DAIKOPW 27GL	Designed for the glass industry, used for geometrical and dimensional reconstructions or single-layer coatings on cast iron. Applicable thickness from 0.5 to 3.0mm.	25 HRc
DAIKOPW 28GL	Designed for the glass industry, used for geometrical and dimensional reconstructions or single-layer coatings on cast iron. Applicable thickness from 0.5 to 3.0mm.	28 HRc
DAIKOPW 30GL	Designed for the glass industry, used for geometrical and dimensional reconstructions or single-layer coatings on cast iron. Applicable thickness from 0.5 to 3.0mm.	30 HRc
DAIKOPW 33	Restoration and protection of sliding parts, corrosion-resistant, thickness from 0.3 to 3.0mm on Carbon Steel (1.0 mm on Stainless Steel). Excellent surface finish after machining or grinding.	33 HRc
DAIKOPW 45	Restoration and protection of sliding parts, corrosion-resistant, thickness from 0.3 to 3.0mm on Carbon Steel (1.0 mm on Stainless Steel). Excellent surface finish after machining or grinding.	40 HRc
DAIKOPW 62Cr	Restoration and protection of sliding parts, corrosion-resistant, thickness from 0.3 to 1.0mm on Carbon Steel (0.7mm on Stainless Steel). Excellent surface finish after machining or grinding.	60 HRc
DAIKOPW 1006	Co-based powder for coatings, resistant to combined wear, corrosion, and oxidation up to 900°C. Designed for PTA or Laser Cladding systems, depending on the torch deposition capacity and powder particle size. Cobalt Alloy Gr.6.	40 HRc
DAIKOPW 1008	Co-based powder for coatings, resistant to combined wear, corrosion, and oxidation up to 750°C. Designed for PTA or Laser Cladding systems, depending on the torch deposition capacity and powder particle size. Cobalt Alloy Gr.12.	45 HRc
DAIKOPW 1021	Co-based powder for coatings, resistant to combined wear, corrosion, and hot sliding. Designed for PTA or Laser Cladding systems, depending on the torch deposition capacity and powder particle size. Cobalt Alloy Gr.21.	30 HRc
DAIKOPW 660LCD	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.5 to 1.5mm on Carbon Steel (0.8mm on Stainless Steel). Designed for Laser Cladding and PTA. Machining is possible with grinding wheel.	Matrix 60 HRc WC 1900HV
DAIKOPW 560LCD	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.5 to 1.5mm on Carbon Steel (0.8mm on Stainless Steel). Designed for Laser Cladding and PTA. Machining is possible with grinding wheel.	Matrix 60 HRc WC 1900HV
DAIKOPW 555LCD	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.5 to 2.0mm on Carbon Steel (1.0mm on Stainless Steel). Designed for Laser Cladding and PTA. Machining is possible with grinding wheel.	Matrix 55 HRc WC 1900HV
DAIKOPW 550LCD	Wear-resistant coatings, high resistance to abrasion and corrosion at high temperatures, thicknesses from 0.5 to 2.0mm on Carbon Steel (1.0mm on Stainless Steel). Designed for Laser Cladding and PTA. Machining is possible with grinding wheel.	Matrix 55 HRc WC 1900HV
DAIKOPW 625LCD	Wear, corrosion, and oxidation-resistant coatings up to 800°C. Geometric restoration on all alloys, including cast iron. Deposition from 1.0 to 6.0mm. Machinable with grinding wheels, excellent post-grinding finish.	-
DAIKOPW 33LCD	Designed for geometric restoration, excellent for glass molds and crack resistance. Machinable with grinding wheels, perfect for profiles and edges.	33 HRc
DAIKOPW 86-10-4	Hard coatings with excellent wear and corrosion resistance. High-quality post-grinding or lapping, making it suitable for abrasion, erosion, and metal-to-metal friction, particularly when high protection against corrosion is required.	-

NOTE: All powders can be supplied in various grain sizes, depending on the application process. (SPRAY - SPRAY AND FUSE - PTA)

Other types of Ni and Co based powders can be supplied on request.

CLADDED WEAR PLATE

PRODUCT	DESCRIPTION	HARDNESS
DAIKOPLATE 640 **DAIKOPLATE 655**	Highly alloyed anti-wear sheet made with a chrome carbide plating on a carbon steel base that guarantees exceptional wear resistance with moderate shocks and temperature resistant up to 450°C.	60-62 HRc
DAIKOPLATE 695	Highly alloyed extra hard sheet made with a mixed carbide plating on a carbon steel base that guarantees exceptional wear resistance at temperatures above 600 ° C thanks to the addition of elements such as Nb, Mo, W and V.	61-64 HRc



DAIKOPLATE
wear-resistant plated sheets

DAIKOPLATE 640 is an extra hard plate made with a chromium carbide cladding on a carbon steel base which guarantees exceptional resistance to wear in conditions of high stress and moderate impacts. DAIKOPLATE 640 guarantees good heat resistance up to 500° C. DAIKOPLATE 695 has been developed for higher temperatures applications.

Clad chemical composition and hardness

Typ	C	Mn	Si	Cr	Mo	Nb	V	W	Others (including B)	Hardness
640 3+3	4,0÷5,5	2,0÷3,0	0,8÷1,0	22÷25	-	-	-	-	0,5÷0,7	55÷58 HRC
655	4,0÷5,5	2,0÷3,0	1	28	-	-	-	-	1	60 HRC
640	4,0÷5,5	2,0÷3,0	0,8÷1,0	23÷30	-	-	-	-	0,5÷0,7	60÷62 HRC
695	4,9÷5,3	0,2÷0,5	0,8÷1,0	24÷27	3,0÷4,0	4,0÷5,0	0,8÷1,2	1,8÷2,2	0,5÷0,7	62÷65 HRC

Typical thicknesses

	BASE METAL	CLADDING
3+3	3 mm	3 mm
5+3	5 mm	3 mm
6+4	6 mm	4 mm
8+5	8 mm	5 mm
10+5	10 mm	5 mm

Typical dimensions

BASE METAL	CLADDED AREA
1500 X 3000 mm	1400 x 2950 mm
2000 X 3000 mm	1900 x 2950 mm

CLADDED WEAR TUBES

PRODUCT	DESCRIPTION	HARDNESS
DAIKOTUBE 201R **DAIKOTUBE 655**	Highly alloyed wear pipe madewith an internal plating of chromium carbides on a carbon steel base that guarantees exceptional wear resistance with moderate shocks and temperature resistant up to 275°C (201R) - 400° (655)	58-60 HRc
DAIKOTUBE 640 **DAIKOTUBE 695**	High-alloy wear-resistant pipe, made from clad plate, designed to ensure excellent wear resistance under moderate impact and temperatures up to 400°C (grade 640) or 500°C (grade 695).	60-64 HRc

DAIKOTUBE
Wear-resistant plated tubes

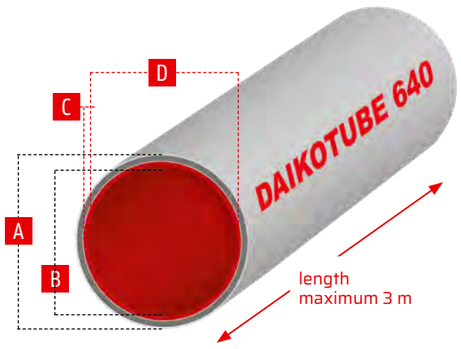
DAIKOTUBE is internally cladded with chromium carbides on a carbon steel base which guarantees exceptional resistance to wear in conditions of high stress and moderate impacts. DAIKOTUBE 640 guarantees good heat resistance up to 500° C. DAIKOTUBE 695 has been developed for higher temperatures applications.

Clad chemical composition and hardness

Typ	C	Mn	Si	Cr	Mo	Nb	V	W	Others (including B)	Hardness
201R	0,4÷0,6	0,5÷1	2,6÷3,0	9÷10	-	-	-	-	-	58÷60 HRC
655	4,5÷5,0	-	1	28	-	-	-	-	1	59 HRC
640	4,0÷5,5	2,0÷3,0	0,8÷1,0	23÷30	-	-	-	-	0,5÷0,7	60÷62 HRC
695	4,9÷5,3	0,2÷0,5	0,8÷1,0	24÷27	3,0÷4,0	4,0÷5,0	0,8÷1,2	1,8÷2,2	0,5÷0,7	62÷65 HRC

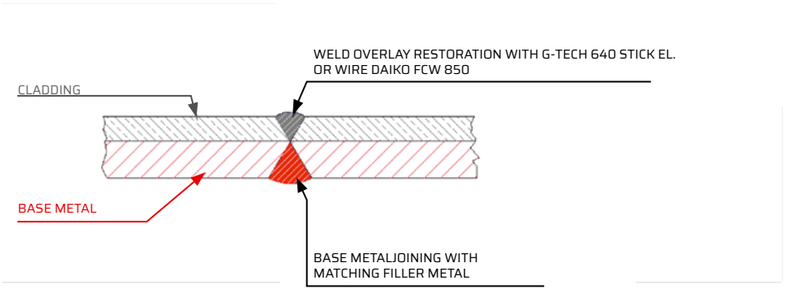
Dimensions

ø OUTER A	ø INNER B	CLAD THICKNESS C	Ø INNER WITH CLAD D
70 mm	54 mm	2,5 mm	49 mm
101,6 mm	85,6 mm	3,5 mm	78,6 mm
121 mm	105 mm	3,5 mm	98 mm
139,7 mm	119,7 mm	3,5 mm	112,7 mm
171 mm	151 mm	3,5 mm	144 mm
203 mm	183 mm	3,5 mm	176 mm

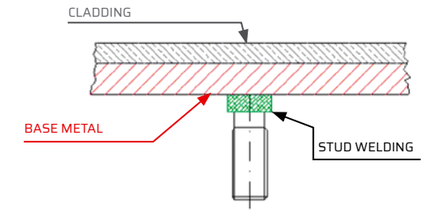


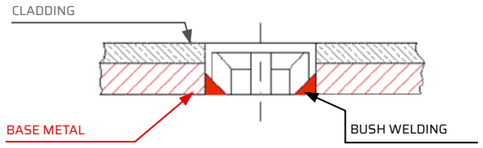
⚠ Non-standard sizes available on request, based on customer's drawings and specifications.

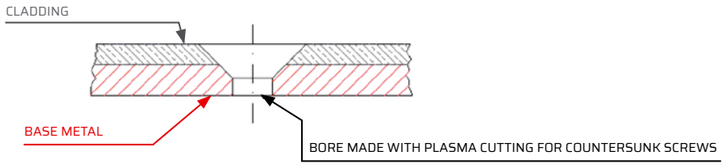
Plates joining



Fixing systems







Main industrial sectors and applications

INDUSTRIES	PRODUCTS
Cement production - Energy production Steel mills - Paper, glass and recycling industries Agricultural industries - Quarries - etc. ...	Separators - fans - chutes - cyclones mixers - silos - conveyors - hoppers screw conveyors - pipes etc. ...

HARDNESS COMPARISON TABLE

Tensile Strength	Vickers Hardness	Sphere Intender	Brinell Hardness	Rockwell Hardness	
N/mm²	HV	mm	HB	HRB	HRC
200	63	7,32	60		
210	65	7,22	62		
220	69	7.04	66		
230	72	6,95	68		
240	75	6,82	71		
250	79	6,67	75		
255	80	6,63	76		
260	82	6,56	78		
270	85	6,45	81	41	-
280	88	6,35	84	45	
285	90	6,28	86	48	
290	91	6,25	87	49	
300	94	6,19	89	51	
305	95	13,16	90	5.2	
310	97	6,10	92	54	
320	100	6,01	95	56	
330	103	5,93	98	58	
335	105	5,87	100	59	
340	107	5,83	102	60	
350	110	5,75	105	62	
360	113	5,70	107	63,5	
370	115	5,66	109	64,5	
380	119	5,57	113	66	
385	120	5,54	114	67	
390	122	5,50	116	67,5	
400	125	5,44	119	69	
410	128	5,38	122	70	
415	130	5,33	124	71	
420	132	5,32	125	72	
430	135	5,26	128	73	
440	138	5,20	131	74	
450	140	5,17	133	75	
460	143	5,11	136	76,5	
465	145	5,08	138	77	
470	147	5,05	140	7715	
480	150	5,00	143	78,5	
490	153	4,96	145	79,6	
495	155	4,93	147	80	
500	157	4,90	149	81	
510	160	4,86	152	81,5	
520	163	4,81	155	82,5	
530	165	4,78	151	83	
540	168	4,74	160	84,5	
545	170	4,71	162	85	
550	172	4,70	163	85,5	
560	175	4,66	166	86	
570	178	4,62	169	86,5	
575	180	4,59	171	87	
580	181	4,58	172		
590	184	4,54	175	88	
595	185	4,53	176		.
600	187	4,51	178	89	
610	190	4,47	181	89,5	
620	193	4,44	184	90	
625	196	4,43	185		
630	191	4,40	187	91	
640	200	4,37	190	91,5	
650	203	4,34	193	92	
660	205	4,32	195	92,5	.
670	208	4,29	198	93	
675	210	4,27	199	93,5	
680	212	4,25	201		

Tensile Strength	Vickers Hardness	Sphere Intender	Brinell Hardness	Rockwell Hardness	
N/mm²	HV	mm	HB	HRB	HRC
690	215	4,22	204	94	
700	219	4,19	208		
705	220	4,18	209	95	
710	222	4,16	211	95,5	
720	225	4,13	214	96	
730	228	4,11	216		
740	230	4,08	219	96,5	
750	233	4,07	221	97	
755	235	4,05	223		
760	237	4,03	225	97,5	
770	240	4,01	228	98	
780	243	3,98	231		21
785	245	3,97	233		
790	247	3,95	235	99	
800	250	3,93	238	99,5	22
810	253	3,91	240		
820	255	0,89	242		23
830	258	3,87	245		
835	260	3,85	247		24
840	262	3,84	249		
850	265	3,82	252		
860	268	3,80	255		25
865	270	3,78	257		
870	272	3,77	258		
880	275	3,76	261		26
890	278	3,74	264		
900	280	3,72	266		27
910	283	3,70	269		
915	285	3,69	271		
920	287	3,68	273		28
930	290	3,66	276		
940	293	3,64	278		29
950	285	3,63	280		
960	299	3,61	2B4		
965	300	3,60	285		
970	302	3,59	287		30
980	305	3,57	290		
990	308	3,55	293		
995	310	3,54	295		31
1000	311	3,53	296		
1010	314	3,52	299		
1020	317	3,50	301		32
1030	320	3,49	304		
1040	323	3,47	307		
1050	327	3,45	311		33
1060	330	3,44	314		
1070	333	3,43	316		
1080	336	3,41	319		34
1090	339	3,40	322		
1095	340	3,39	323	-	
1100	342	3,38	325		35
1110	345	3,36	328		
1120	349	3,35	332		
1125	350	3,34	333		
1130	352	3,33	334		
1140	355	3,32	337		36
1150	358	3,31	340		
1155	360	3,30	342		
1160	361	3,29	343		
1170	364	3,28	346	.	37
1180	367	3,26	349		
1190	370	3,25	352		

Tensile Strength	Vickers Hardness	Sphere Intender	Brinell Hardness	Rockwell Hardness	
N/mm²	HV	mm	HB	HRB	HRC
1200	373	3,24	354		38
1210	376	3,23	357		
1220	380	3,21	361		
1230	382	3,2	363		39
1240	385	3,19	366		
1250	388	3,18	369		
1255	390	3,17	371		
1260	392		372		40
1270	394	3,16	374		
1280	397	3,14	377		
1290	400	3,13	380		
1300	403	3,12	383		41
1310	407	3,10,	387		
1320	410	3,09	390		
1330	413	3,08	393		42
1340	417	3,07	396		
1350	420	3,06	399		
1360	423	3,05	402		
1370	426	3,04	405		
1380	429		408		
1385	430	3,02	409		
1390	431		410		
1400	434	3,01	413		44
1410	437	3,00	415		
1420	440	2,99	418		
1430	443	2,98	421		
1440	446	2,97	424		45
1450	449	2,96	427		
1455	450		428		
1460	452	2,95,	429		
1470	455	2,94	432		
1480	458	2,93	435		46
1485	460		437		
1490	461	2,92	438		
1500	464	2,91	441		
1510	467	2,9	444		
1520	470	2,89	447		
1530	473		449		47
1540	475	2,88	452		
1550	479	2,81	455		
1555	480		456		
1560	481	2,86	457		
1570	484	2,85	460		48
1580	486		462		
1590	489	2,84	465		
1595	490	2,83	466		
1600	491		467		
1610	494	2,82	470		
1620	497		472		49
1630	500		475		
1640	503	2,8	478		
1650	506	2,79	481		
1660	509		483		
1665	510	2,78	485		
1670	511		486		
1680	514	2,77	488		50
1690	517	2,76	491		
1700	520	2,75	494		
1710	522		495		
1720	525	2,74	499		
1730	527		501		51
1740	530	2,73	504		

Tensile Strength	Vickers Hardness	Sphere Intender	Brinell Hardness	Rockwell Hardness	
N/mm²	HV	mm	HB	HRB	HRC
1750	533	2,72	506		
1760	536	2,71	509		
1770	539		512		
1775	540	2,70	513		
1780	541		514		52
1790	544	2,69	517		
1800	547		520		
1810	550	2,68	523		
1820	553	2,67	525		
1830	556		528		
1840	559	2,66	531		
1845	560		532		53
1850	561	2,65	533		
1860	564		536		
1870	567	2,64	539		
1880	570		542		
1890	572	2,63	543		
1900	5'15	2,62	546		
1910	578		549		54
1920	580	2.61	551		
1930	583	2,60	554		
1940	586		557		
1950	589	2,59	560		
1955	590		561		
1960	591		562		
1970	594	2,58	564		
1980	596		567		55
1990	599	2,57	569		
1995	600		570		
2000	602	2,56	572		
2010	605		575		
2020	607	2,55	577		
2030	610		580		
2040	613	2,54	582		
2050	615		584		56
2060	618	2,53	587		
2070	620		589		
2080	623	2,52	592		
2090	626		595		
2100	629	2,51	598		
2105	630		599		
2110	631		600		
2120	634	2,50	602		
2130	636		604		
2140	639	2,49	607		57
2145	640		608		
2150	641		609		
2160	644	2,48	612		
2170	647	2.47	615		
2180	650		620		
2190	653	2,46	622		
2200	655				58
	675				59
	698				60
	720				61
	745				62
	773				63
	800				64
	829				65
	864				66
	900				67
	940				68

STORAGE AND HANDLING

Proper storage of welding consumables, whether opened or sealed, is essential to prevent quality issues such as porosity and high levels of diffusible hydrogen, which may lead to cracking in the welded joint.

Upon arrival at the warehouse, all products must be inspected for any damage to the packaging or the contents.
If only the packaging is damaged and the material is deemed recoverable, reconditioning may be carried out.
If reconditioning is not possible, or the material appears damaged or corroded, it must be discarded.

Consumables should be stored in clean, dry environments, on pallets or shelving, avoiding:
direct exposure to sunlight
contact with walls or floors
stacking of full pallets on top of one another

Products must remain in their original, sealed packaging, clearly labeled, and used according to a first-in, first-out (FIFO) inventory system.

Recommended environmental storage conditions
Frost-free environment (mandatory)

Recommended temperature and relative humidity:
5–15 °C → humidity <90%
15–25 °C → humidity <55%
25–35 °C → humidity <30%

To avoid condensation, materials must be acclimatized before opening, especially when there is a temperature difference between the storage area and the welding zone.

MMA (SMAW) Electrodes
Any electrodes that are wet or contaminated must be discarded. Based on the three main types of electrode coatings, the following is recommended:

Rutile: medium-to-high H_2 content (~25 ml/100g). Typically do not require reconditioning. If needed, they can be dried at 100–110 °C for 1 hour. Ready to use directly from the package.

Cellulosic: high H_2 content (~40 ml/100g). Must not be dried. Use as supplied.

Basic: very low H_2 content (~4 ml/100g). Require baking at 350 °C for 2 hours. Treatment may vary by ±50 °C depending on the application.

The process should not be repeated more than 5 times or exceed a total of 10 hours, to avoid deterioration of the coating.

Use of Holding Ovens
Reconditioned electrodes should be placed in a preheated oven at <100 °C, arranged in no more than four layers.
Any electrodes with chipped coating must be discarded.

To avoid thermal shock during cooling:
lower the temperature to ~80 °C before removal;
store in heated quivers at 70–100 °C, in sufficient quantity for one shift.

Electrodes not used by the end of the shift must be reconditioned again or discarded.

GMAW, GTAW, and SAW Wires
Do not require reconditioning prior to use.
A simple visual inspection is sufficient; if there is physical damage or surface corrosion, they must be discarded.

FCAW Cored Wires
Must be stored in dry environments with controlled temperature and humidity.
They must not be placed in an oven.
If moisture contamination is suspected, they must be discarded — no recovery attempts should be made.

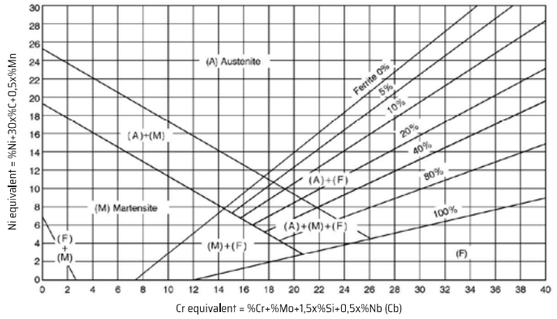
SAW Welding Fluxes
Fused fluxes: non-hygroscopic; can be used directly if packaging is intact. If moist, they may be dried at 100 °C for 1 hour.

Agglomerated fluxes: moisture-absorbent. For welding where low hydrogen content (<5 ml/100g) is required, reconditioning at 300–350 °C for 2–4 hours in dedicated ovens is necessary.

If not fully consumed within the shift, they must be stored in heated hoppers at 100–200 °C, protected from air exposure.

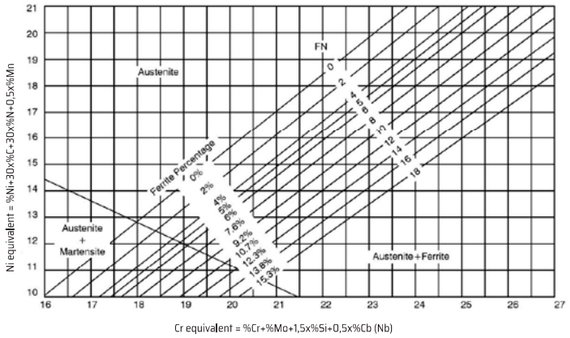
For further information, please visit **daikowelding.com**

DIAGRAMS



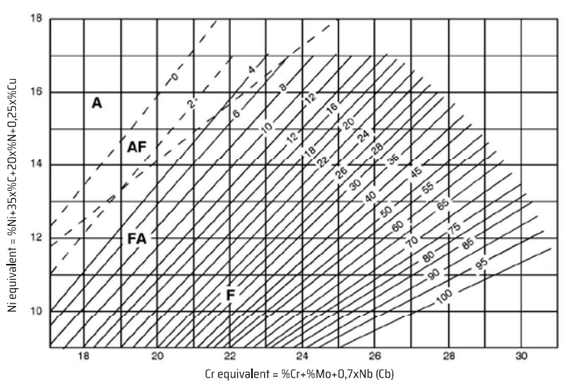
SCHAEFFLER DIAGRAM

The Schaeffler diagram is useful for predicting the constitution of your stainless steel weld deposit. Depending on the alloying elements it contains, the Schaeffler diagram provides information on the various phases (structures) present. The chromium equivalent is calculated from the weight percentage of ferrite-forming elements (Cr, Si, Mo, Nb, W) and the nickel equivalent is calculated from the weight percentage of austenite-forming elements (C, Ni, Mn, Cu, N). The position in the Schaeffler diagram defined by the Cr- and Ni-equivalents gives the proportions of martensite, austenite and ferrite in the resulting microstrutture.



DELONG DIAGRAM

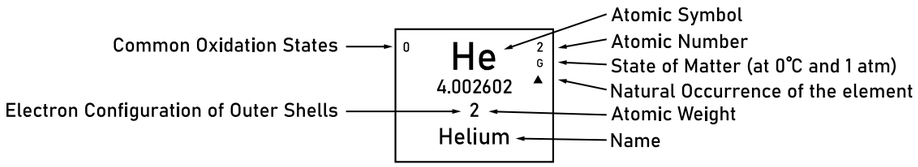
This refines the Schaffler diagram by taking account of the strong austenite stabilising tendency of nitrogen. The chromium equivalent is unaffected but the nickel equivalent is modified to Ni (eq) = Ni + (30 x C) + (0.5 x Mn) + (30 x N)



WRC - 1992 DIAGRAM

Diagram developed to increase the accuracy of Ferrite Number (FN) prediction in stainless steel weld metal and related dissimilar metal joints. The WRC-1992 diagram includes a coefficient for Cu in the Ni equivalent.

PERIODIC TABLE OF THE ELEMENTS



1/IA	2/IIA	3/IIIB	4/IVB	5/VB	6/VIB	7/VIIB	8/VIII	9/VIII	10/VIII	11/IB	12/IIB	13/IIIA	14/IVA	15/VA	16/VIA	17/VIIA	18/VIIIA/0
+1 **H** 1 G 1.00794 1 Hydrogen																	0 **He** 2 G 4.002602 2 Helium
+1 **Li** 3 S 6.941 2-1 Lithium	+2 **Be** 4 S 9.012182 2-2 Beryllium											+3 **B** 5 S 10.811 2-3 Boron	+2 ±4 **C** 6 S 12.011 2-4 Carbon	±1 ±2 ±3 +4 +5 **N** 7 G 14.00674 2-5 Nitrogen	-2 **O** 8 G 15.9994 2-6 Oxygen	-1 **F** 9 G 18.9984032 2-7 Fluorine	0 **Ne** 10 G 20.1797 2-8 Neon
+1 **Na** 11 S 22.989768 2-8-1 Sodium	+2 **Mg** 12 S 24.3050 2-8-2 Magnesium											+3 **Al** 13 S 26.981539 -2-8-3 Aluminium	+2 ±4 **Si** 14 S 28.0855 2-8-4 Silicon	±3 +5 **P** 15 S 30.973762 2-8-5 Phosphorus	+4 +6 -2 **S** 16 S 32.066 2-8-6 Sulphur	±1 +5 +7 **Cl** 17 G 35.4527 -2-8-7 Chlorine	0 **Ar** 18 G 39.948 2-8-8 Argon
+1 **K** 19 S 39.0983 -8-8-1 Potassium	+2 **Ca** 20 S 40.078 -8-8-2 Calcium	+3 **Sc** 21 S 44.955910 -8-9-2 Scandium	+2 +3 +4 **Ti** 22 S 47.867 -8-10-2 Titanium	+2 +3 +4 +5 **V** 23 S 50.9415 -8-11-2 Vanadium	+2 +3 +6 **Cr** 24 S 51.9961 -8-13-1 Chromium	+2 +3 +4 +7 **Mn** 25 S 54.93805 -8-13-2 Manganese	+2 +3 **Fe** 26 S 55.845 -8-14-2 Iron	+2 +3 **Co** 27 S 58.9332 -8-15-2 Cobalt	+2 +3 **Ni** 28 S 58.6934 -8-16-2 Nickel	+1 +2 **Cu** 29 S 63.546 -8-18-1 Copper	+2 **Zu** 30 S 65.39 -8-18-2 Zinc	+3 **Ga** 31 S 69.723 -8-18-3 Gallium	+2 +4 **Ge** 32 S 72.61 -8-18-4 Germanium	±3 +5 **As** 33 S 74.92159 -8-18-5 Arsenic	+4 +6 -2 **Se** 34 S 78.96 -8-18-6 Selenium	±1 +5 +7 **Br** 35 L 79.904 -8-18-7 Bromine	0 **Kr** 36 G 83.80 -8-18-8 Krypton
+1 **Rb** 37 S 85.4678 -18-8-1 Rubidium	+2 **Sr** 38 S 87.62 -18-8-2 Strontium	+3 **Y** 39 S 88.90585 -18-9-2 Yttrium	+4 **Zr** 40 S 91.224 -18-10-2 Zirconium	+3 +5 **Nb** 41 S 92.90638 -18-12-1 Niobium	+6 **Mo** 42 S 95.94 -18-13-1 Molybdenum	+4 +6 +7 **Tc** 43 S (97.9072) -18-13-2 Technetium	+3 **Ru** 44 S 101.07 -18-15-1 Ruthenium	+3 **Rh** 45 S 102.9055 -18-16-1 Rhodium	+2 +4 **Pd** 46 S 106.42 -8-18-0 Palladium	+1 **Ag** 47 S 107.8682 -18-18-1 Silver	+2 **Cd** 48 S 112.411 -18-18-2 Cadmium	+3 **In** 49 S 114.818 -18-18-3 Indium	+2 +4 **Sn** 50 S 118.71 -18-18-4 Tin	±3 +5 **Sb** 51 S 121.76 -18-18-5 Antimony	+4 +6 -2 **Te** 52 S 127.6 -18-18-6 Tellurium	±1 +5 +7 **I** 53 S 126.90447 -18-18-7 Iodine	0 **Xe** 54 G 131.29 -18-18-8 Xenon
+1 **Cs** 55 S 132.90543 -18-8-1 Cesium	+2 **Ba** 56 S 137.327 -18-8-2 Barium	57-71 See Lanthanide	+4 **Hf** 72 S 178.49 -32-10-2 Hafnium	+5 **Ta** 73 S 180.9479 -32-11-2 Tantalum	+6 **W** 74 S 183.84 -32-12-2 Tungsten	+4 +6 +7 **Re** 75 S 186.207 -32-13-2 Rhenium	+3 +4 **Os** 76 S 190.2 -32-14-2 Osmium	+3 +4 **Ir** 77 S 192.217 -32-15-2 Iridium	+2 +4 **Pt** 78 S 195.08 -32-16-2 Platium	+1 +3 **Au** 79 S 196.96654 -32-18-1 Gold	+1 +2 **Hg** 80 L 200.59 -32-18-2 Mercury	+1 +3 **Tl** 81 S 204.3833 -32-18-3 Thallium	+2 +4 **Pb** 82 S 207.2 -32-18-4 Lead	+3 +5 **Bi** 83 S 208.98037 -32-18-5 Bismuth	+2 +4 **Po** 84 S 208.9824 -32-18-6 Polonium	±1 +5 +7 **At** 85 S 209.9871 -32-18-7 Astatine	0 **Rn** 86 G 222.0176 -32-18-8 Radon
+1 **Fr** 87 S 223.0197 -18-8-1 Francium	+2 **Ra** 88 S 226.0254 -18-8-2 Radium	89-103 See Actinides	+3 +4 **Rf** 104 U 267 -32-10-2 Rutherfordium	+5 **Db** 105 U 268 -32-11-2 Dubnium	+4 +6 **Sg** 106 U 269 -32-12-2 Seaborgium	+3 +4 +5 +7 **Bh** 107 U 270 -32-13-2 Bohrium	+2 +4 +6 +8 **Hs** 108 U 269 -32-14-2 Hassium	+1 +3 +6 **Mt** 109 U 278 -32-15-2 Meitnerium	0 +2 +8 **Ds** 110 U 281 -32-16-2 Darmstadtium	+3 **Rg** 111 U 282 -32-17-2 Roentgentium	0 +2 **Cn** 112 U 285 -32-18-2 Copernicum	+1 +3 **Nh** 113 U 286 -32-18-3 Nihonium	+2 **Fl** 114 U 289 -32-18-4 Flerovium	+1 +3 **Mc** 115 U 290 -32-18-5 Moscovium	+2 **Lv** 116 U 293 -32-18-6 Livermorium	+1 +3 **Ts** 117 U 294 -32-18-7 Tennessine	+2 +4 **Og** 118 U 294 -32-18-8 Oganesson

+3 **La** 57 S 138.9055 -18-9-2 Lanthanium	+3 +4 **Ce** 58 S 140.115 -20-8-2 Cerium	+3 **Pr** 59 S 140.90765 -21-8-2 Praseodymium	+3 **Nd** 60 S 144.24 -22-8-2 Neodymium	+3 **Pm** 61 S 144.9127 -23-8-2 Promethium	+2 +3 **Sm** 62 S 150.36 -24-8-2 Samarium	+2 +3 **Eu** 63 S 151.965 -25-8-2 Europium	+3 **Gd** 64 S 157.25 -25-9-2 Gadolinium	+3 **Tb** 65 S 158.92534 -27-8-2 Terbium	+3 **Dy** 66 S 162.50 -28-8-2 Dysprosium	+3 **Ho** 67 S 164.93032 -29-8-2 Holmium	+3 **Er** 68 S 167.26 -30-8-2 Erbium	+3 **Tm** 69 S 168.93421 -31-8-2 Thulium	+2 +3 **Yb** 70 S 173.04 -32-8-2 Ytterbium	+3 **Lu** 71 S 174.967 -32-9-2 Lutetium
+3 **Ac** 89 S 227.0278 -18-9-2 Actinium	+4 **Th** 90 S 232.0381 -18-10-2 Thorium	+4 +5 **Pa** 91 S 231.0388 -20-9-2 Protactinium	+3 +4 +5 +6 **U** 92 S 238.0289 -21-9-2 Uranium	+3 +4 +5 +6 **Np** 93 S 237.0482 -22-9-2 Neptunium	+3 +4 +5 +6 **Pu** 94 S 244.0642 -24-8-2 Plutonium	+3 +4 +5 +6 **Am** 95 S 243.0614 -25-8-2 Americium	+3 **Cm** 96 S 247.0703 -25-9-2 Curium	+3 +4 **Bk** 97 S 247.0703 -27-8-2 Berkelium	+3 **Cf** 98 S 251.0796 -28-8-2 Californium	+3 **Es** 99 S 252.083 -29-8-2 Einsteinium	+3 **Fm** 100 U 257.0951 -30-8-2 Fermium	+3 +4 **Md** 101 U 258.10 -31-8-2 Mendelevium	+2 +3 **No** 102 U 259.1009 -32-8-2 Nobelium	+3 **Lr** 103 U 262.11 -32-9-2 Lawrencium

- Reactive Nonmetal
- Alkali Metal
- Alkaline Earth Metal
- Transition Metal
- Lanthanide
- Actinide
- Post-Transition Metal
- Unknown Chemical Properties
- Metalloid
- Noble Gas

G = Gas
S = Solid
L = Liquid
U = Unknown

▲ Primordial
■ From Decay
● Synthetic

INTEGRATED PRODUCTION CONTROL

At DAIKO, we fully understand our customers' priorities: having access to high-performance, reliable, and consistently dependable products. That is why quality has always been one of our core objectives.
We dedicate the utmost attention to every stage of the production process, carefully monitoring all aspects that influence the manufacturing of high-performance welding consumables. We have established, documented, and maintain a Factory Production Control (FPC) system in accordance with EN 13479, to ensure that every product placed on the market complies with the declared performance of the essential characteristics.
Through an integrated production control approach, we have developed an organizational system that places continuous improvement at the heart of every activity. Our FPC system includes operational procedures, regular inspections, systematic testing and evaluations, enabling us to effectively control raw materials, incoming goods, equipment, production processes, and the final product.
As further confirmation of our commitment to quality, we are recognized as a qualified manufacturer in accordance with the VdTÜV-Merkblatt Schweißtechnik 1153:2017 standard.

QUALITY ENVIRONMENT HEALTH AND SAFETY

In a global context where quality, safety, and sustainability are essential requirements, DAIKO is committed to ensuring a production process that meets the highest international standards.

We believe that customer trust is built through transparency, reliability, and responsibility. That's why we continuously improve our operational practices, placing product quality, people's safety, and environmental respect at the core of our activities.

It all begins with a rigorous selection of raw materials, prioritizing suppliers who share our values in terms of quality and sustainability. All materials undergo thorough testing to ensure compliance with applicable regulations and international standards.

Throughout the production process, we apply an integrated management system that monitors every phase, ensuring that each product fully meets technical and safety specifications. Our personnel receive regular training on safe work practices and quality control procedures, so that every team member actively contributes to maintaining high standards of excellence.

DAIKO is also strongly committed to protecting the health and safety of its employees and to preserving the environment. For us, sustainable development means meeting today's needs without compromising those of future generations. We adopt a life-cycle approach to our products and services, balancing risks and opportunities with a long-term perspective.

We believe that continuous improvement is only achievable through structured management and a clear strategic vision. In this spirit, DAIKO follows the principles and requirements of ISO 9001, ISO 14001, and ISO 45001 standards, ensuring quality, environmental responsibility, and occupational health and safety.

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