



Antiwear DAIKO Wires

Joining & Buffer Layer
Abrasion
Impact & Abrasion
Daiko Wc
Green Line
High Temperature
Innovation

**MAINTENANCE
SOLUTIONS**

ANTIWEAR DAIKO WIRES

JOINING & BUFFER LAYER		Some products also available in SMAW Electrode and TIG rod	GMAW/FCAW
Art.	Composition	Description	
DAIKOWM 96 DAIKOMCW 115	Fe Ni Cr Mn Mo Low Alloyed	Low-alloy wire for HYSS. Available in Ø1.0 – Ø1.2 – Ø1.6 mm. 15 kg spools	
DAIKOWM 880 DAIKOFCW 880	Mn Alloy	Stainless-steel deposit with high elongation, ideal as a buffer layer and for joining thick-section steels. Suitable for Fe-Stainless, Hardox welding, and heat-resistant applications. Available in Ø1.0 – Ø1.2 – Ø1.6 mm. 15 kg spools	
DAIKOWM 890 DAIKOFCW 890	Special Alloy	Stainless-steel deposit with high mechanical properties, designed for buffer layer. Available in Ø1.0 – Ø1.2 – Ø1.6 mm. 15 kg spools	
DAIKOFCW 840	Ni Alloy	Stainless-steel deposit with high elongation, heat resistant, ideal for post-electrode repair filling and as a buffer layer. Available in Ø1.2 – Ø1.6 mm. 15 kg spools	

HARDFACING	ABRASION	Some products also available in SMAW Electrode and TIG rod	GMAW / FCAW
Art.	Composition	Description	
DAIKOMCW 201R DAIKOMCW 203R	C Cr Mn Si 58-60HRc	Wear-resistant overlays with high resistance to abrasion and compression. Available in Ø1.2-1.6 mm – 16 kg spool	
DAIKOFCW 600Ti	C Cr Mn Mo Ti 56-58HRc	Wear-resistant overlays with high resistance to abrasion and compression, specially designed for crushing. Available in Ø1.2-1.6 mm – 15 kg spool	
DAIKOWM 65H DAIKOMCW 65H	C Cr Mn Mo V Si W 57-60HRc	Wear-resistant overlays with high resistance to abrasion and compression. Available in Ø1.2-1.6 mm – 16 kg spool	

HARDFACING	DAIKO ABRASION++	Some products also available in SMAW Electrode and TIG rod	FCAW
Art.	Composition	Description	
DAIKOFCW 643	C Cr V B W 62-64HRc	Wear-resistant overlays with high abrasion resistance and hardness retention up to 400°C. Available in Ø1.2, 1.6, 2.0, and 2.4 mm – 15 kg spool	
DAIKOFCW 640	C Cr Si Mn 59-61HRc	Wear-resistant overlays with high abrasion resistance and moderate impact resistance. Available in Ø1.2, 1.6, 2.0, and 2.4 mm – 15 kg spool	
DAIKOFCW 649	C Cr Si Mn Mo 58-60HRc	Wear-resistant overlays, resistant to abrasion under impact and compression, with good corrosion resistance. Available in Ø1.6 mm – 15 kg spool	

HARDFACING	IMPACT & ABRASION	Some products also available in SMAW Electrode and TIG rod	FCAW
Art.	Composition	Description	
DAIKOFCW 627	C Cr Mo Ni V 55-58HRc	Wear-resistant overlays, resistant to abrasion under impact and compression, with good corrosion resistance. Available in Ø1.2-1.6 mm – 15 kg spool	
DAIKOFCW 660Nb	C Cr Nb Si 60-62HRc	Wear-resistant overlays, resistant to abrasion under impact and compression, with good corrosion resistance. Available in Ø1.2-1.6 mm – 15 kg spool	

HARDFACING	DAIKO WC	Some products also available in SMAW Electrode	FCAW
Art.	Composition	Description	
DAIKOFCW 2002	Matrix Fe 40% 56-60HRc WSC 60% 2200-2300 HV	Anti-wear coatings with high abrasion resistance, machinable only with diamond grinding wheels. Available in Ø1.2 – Ø1.6 mm. 15 kg spool	
DAIKOFCW 2003	Matrix NiCrBSi 40% 47-52HRc WSC 60% 2200-2300 HV	Anti-wear coatings with high abrasion and corrosion resistance, machinable only with diamond grinding wheels. Available in Ø1.2 – Ø1.6 mm. 15 kg spool	
DAIKOFCW 2003 PLUS	Matrix NiCrBSi 40% 50-53HRc SFTC 60% Sferici 2200-2300 HV	The hardest DAIKO wire with the highest abrasion resistance available. Highly wear-resistant overlays with excellent abrasion resistance even in corrosive environments. It can only be machined using diamond grinding wheels. Available in Ø1.6 mm – 15 kg spool	

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HARDFACING	DAIKO GREEN	FCAW
Art.	Composition	Description
DAIKOMCW 864	C Mn Ni B Si Base Fe 60-66HRc	CHROME FREE Wear-resistant overlays with high abrasion resistance, even under moderate impact and compression. Once welded and heat-treated, it retains its properties and hardness. Designed for robotic welding. Available in Ø1.2 – 16 kg spool
DAIKOFCW 700E	C Mn Si (Ta+Mo+Nb) Base Fe 64-66HRc	CHROME & NICKEL FREE Wear-resistant overlays with high abrasion resistance, even under moderate impact and compression. Once welded and heat-treated, it retains its properties and hardness. Available in Ø1.2-1.6 mm – 15 kg spool
DAIKOFCW 720	C Mn Si Ni B Base Fe 65-68HRc	CHROME FREE Wear-resistant overlays with high abrasion resistance, even under moderate impact and compression. Once welded and heat-treated, it retains its properties and hardness. Available in Ø1.2-1.6 mm – 15 kg spool.

HARDFACING	HIGH TEMPERATURE	Some products also available in SMAW Electrode and TIG rod	GMAW / FCAW
Art.	Composition	Description	
DAIKOFCW 3750	C Mn Ni Cr Mo Si Co Base Fe 46-50HRc	Overlays with high corrosion resistance, excellent performance in metal-to-metal friction, and hardness retention up to 450°C. Ideal for coatings in the rubber industry and for major mechanical rebuilds. Machinable, with excellent finish for grinding. Available in Ø1.2-1.6 mm – 15 kg spool	
DAIKOFCW 520CO	C Cr Al V Mo Ti W Co Base Fe 40HRc	Corrosion-resistant overlays with exceptional high-temperature performance, resistant to thermal shock and fatigue wear. Withstands heat and impact; suitable for overlays on hammer saddles, forging dies, casting dies, and punch tools. Crack-free when base material is preheated to 350°C and maintained. Slow cooling after welding. Available in Ø1.2-1.6 mm – 15 kg spool	
DAIKOWM 6170CO	C Mn Fe CrMo Si Co Al Ti Base Ni	Special overlays for casting dies and forging tools, components for heat treatment, forging dies and hammers. Special Ni-based product alloyed with CrMoCo, resistant to high-temperature oxidation up to 1100°C. – 15 kg spool	
DAIKOFCW 1006	C Mn Ni Cr Si Fe W Base Co 40-45HRc	AWS A5.21 ERCoCr-A Cobalt Alloy Gr. 6 available in Ø1,2-1,6mm and in "LC Low Carbon" - " HQ High Quality" versions - Spool 15Kg	
DAIKOFCW 1008	C Ni Cr B Si Fe W Base Co 46-50HRc	AWS A5.21 ERCoCr-B Cobalt Alloy Gr. 12 available in Ø1,2-1,6mm and in "LC Low Carbon" - " HQ High Quality" versions - Spool 15Kg	
DAIKOFCW 1021	C Mn Ni Cr Mo Si Fe Base Co 31-33HRc	AWS A5.21 ERCoCr-E Cobalt Alloy Gr. 21 available in Ø1,2-1,6mm and in " HQ High Quality" versions - Spool 15Kg	
DAIKOFCW 1025	C Mn Ni Cr Mo Si Fe W Base Co 31-33HRc	Cobalt Alloy Gr. 25 available in Ø1,2-1,6mm and in " HQ High Quality" versions -Spool 15Kg	

HARDFACING	INNOVATION	FCAW
Art.	Composition	Description
DAIKOFCW 690NT	C Si Cr Mo Nb W B 66-71HRc	High-hardness overlay, 71 HRC on second pass. Deposit with fine carbides and complex alloying elements, designed for abrasion resistance under pressure and moderate impact. High hardness even at high temperatures. Available in Ø1.6 mm – 15 kg spool.
DAIKOFCW 686Nb	C Si Cr Mo Nb V W B 67-69HRc	High-hardness overlay, 70HRC. Deposit with fine carbides and complex alloying elements, designed for abrasion resistance under pressure and moderate impact. High hardness even at high temperatures. Available in Ø1.6 mm – 15 kg spool.

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