

WEARcore Dur 58 TiC-O

Open-arc flux-cored wire designed for high-stress abrasion and heavy impact

Product features	Customer benefits
» Martensitic Chromium-Titanium alloy	» High-stress abrasion resistance » Heavy impact resistance » Usually crack-free deposit / no stress relieve cracks
» Hardness as welded ~ 58 HRC	» Longer service life of components » Reduced maintenance and downtime
» Open-arc flux-cored wire	» No need of shielding gas » Ideal for welding on-site

The combination of a martensitic chromium-titanium alloy and finely dispersed TiC particles delivers outstanding resistance to abrasion and impact, significantly extending the lifespan of wear exposed parts. WEARcore Dur 58 TiC-O is engineered for severe stress conditions such as crushing, mixing, and cutting operations – ensuring stable performance across multiple industries. Machining is possible only by grinding. The deposit can reach 15 to 18 mm in 5 to 6 layers.



Typical applications

- » Crusher rollers and hammers
- » Asphalt mixer blades
- » Shovel bucket teeth and lips
- » Bulldozer blades
- » Agricultural tools
- » Bed knives in pulp industry

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Classification	
EN 14700	Polarity
T Z Fe6	DC+

Typical chemical composition, all weld metal, wt. %						
C	Mn	Si	Cr	Mo	Ti	Fe
1.8	0.9	0.2	6.1	1.4	5.5	balance

Recommended welding parameters			
Wire diameter [mm]	Amperage [A]	Voltage [V]	Stick-Out [mm]
1.2	120 – 150	26 – 30	35 – 40
1.6	180 – 200	26 – 30	35 – 40
2.0	200 – 280	26 – 30	35 – 40
2.4	250 – 300	26 – 30	35 – 40
2.8	300 – 350	26 – 30	35 – 40

Overview spool types			
Wire basket spool BS300	Wire diameter [mm]	Weight in kg	Item number
	1.2	15	29357
	1.6	15	29359

Other dimensions or packaging available on request