

<b>International standards</b>	DIN 8555	E 8-UM-250-KP
	AWS A56.13	E FeMn-B

**Approvals** ---

**Characteristics** Basic coated, AC-weldable electrode with approximately 140 % recovery. Due to the weld metal's high tenacity and hardness, the electrode is suitable for hardfacing on parts which are subject to extreme impact stress and cavitation. A considerable increase in wear resistance through strain hardening can be achieved by cold-hammering.

**Operating temperature** ---

**Typical applications** Excavator teeth, crushing hammers, rings in rotary furnaces, rail switch cores, rails, rollers, etc.

<b>Mechanical properties of all-weld metal</b>  (typical values)	<b>Hardness as welded HB</b>	<b>Hardness Strain-hardened HRC</b>
	approx. 250	approx. 55

<b>Weld metal analysis</b> (typical, wt. %)	<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>Cr</b>
	0,6	0,5	17	14

**Current** = + / ~ 65 V

**Welding positions** PA, PB, PC, PD, PE

**Rebaking** 1 h, 350 °C + / - 10 °C (if required)

**Flux-cored wire equivalent** CARBO F- 250

Dia./Length	Amperage (A)	Pcs./ packet	Pcs./ carton	kg / 1000	kg / packet	kg / carton
2,5 x 350	60 – 100	155	621	32,2	5,0	20,0
3,2 x 450	90 – 120	86	343	69,9	6,0	24,0
4,0 x 450	110 – 160	57	227	105,8	6,0	24,0
5,0 x 450	150 – 200	36	145	165,4	6,0	24,0
6,0 x 450	180 – 240	25	101	238,1	6,0	24,0

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