

Tubular Hardfacing Electrodes

Valency manufactures the "Tubularc " range of Tubular hardfacing electrodes which provides optimum resistance to abrasion, impact erosion etc ensuring extended service life .The deposition rate is very high but the dilution and consequent distortion is minimal



ISO 9001-2008

PRODUCT CATALOGUE FOR Tubular Hardfacing Electrodes



B. TUBULAR ELECTRODES												
Product	Description	Applications	Typical Properties	Size and Current								
]TUBULARC 01 [AC/DC+]	HIGH RECOVERY, TUBULAR LOW HEAT INPUT ELECTRODE, DEPOSITING RICHLY ALLOYED PREFORMED CARBIDES DENSELY DISTRIBUTED IN A TOUGH AUSTENITIC DUROMATRIX WITH MINIMAL BASE METAL DILUTION. EXCELLENT ABRASION RESISTANCE COMBINED WITH OPTIMAL IMPACT RESISTANCE. PROLONGED SHELF LIFE & NO PRE DRYING AND SLAG REMOVAL NECESSARY	Coal crushing jaws & hammers, I.D. fan blades, Bucket Lips & Teeth, Quarry screen, Bulldozer cutting edges, Mantles & Liners, Gyratory & Cone, Crusher parts, Scraper Blades, Blow Bars, Rolling Mill Guides, Agriculture Implements, Ball mill inner plates, Cement Crushing Roller	Hardness 57- 62 HRC	<table border="1"> <thead> <tr> <th>Size (mm)</th> <th>6.3</th> <th>8.00</th> <th>10.00</th> </tr> </thead> <tbody> <tr> <th>Amps</th> <td>85 - 130</td> <td>120- 145</td> <td>145- 195</td> </tr> </tbody> </table>	Size (mm)	6.3	8.00	10.00	Amps	85 - 130	120- 145	145- 195
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TUBULARC 02 [AC/DC+]	TUBULAR LOW HEAT INPUT ELECTRODE, DEPOSITING RICHLY ALLOYED PREFORMED CARBIDES DISTRIBUTED IN HIGH CONCENTRATION IN A TOUGH AUSTENITIC DUROMATRIX WITH MINIMAL BASE METAL DILUTION. DEPOSIT HAS EXCELLENT RESISTANCE TO SEVERE ABRASION & EROSION UNDER MODERATE IMPACT AT BOTH AMBIENT AND ELEVATED TEMPERATURE UP TO 800° C	Sinter Breakers, Bells & Hoppers, Sinter Fans, Paulworth Chutes, Throat Armour Plates, Parts encountering high temperature erosion	Hardness 62 - 68 HRC Hardness (at 600°C) 52 - 54 HRC	<table border="1"> <thead> <tr> <th>Size (mm)</th> <th>6.3</th> <th>8.00</th> <th>10.00</th> </tr> </thead> <tbody> <tr> <th>Amps</th> <td>85 - 130</td> <td>120- 145</td> <td>145- 195</td> </tr> </tbody> </table>	Size (mm)	6.3	8.00	10.00	Amps	85 - 130	120- 145	145- 195
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SUPERDUR 7010 [AC/DC+]	TUNGSTEN CARBIDE BEARING TUBULAR ELECTRODE ALLOYED WITH NIOBIUM, CHROMIUM, VANADIUM & MOLYBDENUM THROUGH FLUX COATING. MAXIMUM RESISTANCE TO ABRASION, FRICTION AND ALSO TO HEAT & CORROSION	Tool Bits, Scrapers, Blades, Fly-ash conveyors, Augers, tongs etc.	Hardness - 65-72 HRC	<table border="1"> <thead> <tr> <th>Size (mm)</th> <th>5.0</th> </tr> </thead> <tbody> <tr> <th>Amps</th> <td>130- 225</td> </tr> </tbody> </table>	Size (mm)	5.0	Amps	130- 225				
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