



**RESISTANCE WELDING ALLOYS  
SUPERIOR IN PERFORMANCE AND LOW IN COST.**

<b>ALLOYS LIST</b>		
<b>ASTM</b>	<b>DIM</b>	<b>MATERIAL</b>
C 18200	2.129	CuCr
C 18150	2.1293	CuCrZr
C 17510	~2.1285	CuCoNiBe
C 17500	2.1285	CuCo2Be
C 18000	~2.0855	CuNi3Si+Cr
C 17200	2.1247	CuBe2



<b>MATERIAL</b>	<b>APPLICATIONS</b>	<b>AVAILABLE AS</b>
C 18200 C18150 	Electrodes, Counter Electrode Holders and Discs used for Spot and Seam welding, of plain or coated steel. Electro-Erosion Electrodes, Transformer Connection Pieces and dies for Non-Ferrous Gravity Die Castings at low loads.	<ul style="list-style-type: none"> <li>◆ DISCS</li> <li>◆ BARS</li> <li>◆ PLATES</li> </ul>
C 18000 C 17510 	Electrodes and Discs for Spot and Seam welding of stainless steel sheets, dies for Non-Ferrous metal casting.  Plungers for die casting machines, dies for Non – Ferrous metal casting, Discs for Seam welding, Electrode Holders. Injection and Blow Moulds for plastics and Piston Heads of brass and aluminum injection machines.	<ul style="list-style-type: none"> <li>◆ DISCS</li> <li>◆ BARS</li> <li>◆ PLATES</li> <li>◆ CENTRIFUGALLY CAST PRODUCTS</li> </ul>
C 17200	Electrodes and dies for Spot and Seam welding of stainless steel plates.	<ul style="list-style-type: none"> <li>◆ DISCS</li> <li>◆ BARS</li> <li>◆ PLATES</li> </ul>

<b>GLOBUS ALLOYS</b>	<b>TENSILE STRENGTH (MIN)</b>	<b>HARDNESS (ROCKWELL) (MIN)</b>	<b>ELECTRICAL CONDUCTIVITY (MIN)</b>	<b>THERMAL CONDUCTIVITY (MIN)</b>
C18150 C18200	370 N / mm <sup>2</sup> 54 ksi	72 –78 HrB	43 M / Ω.mm <sup>2</sup> 76% I.A.C.S	310 W / m. K
C18000	590 N / mm <sup>2</sup> 86 ksi	92 HrB	22 M / Ω.mm <sup>2</sup> 41 % I.A.C.S	160 W / m. K
C17510™	115 ksi	98 HrB	25 M / Ω.mm <sup>2</sup> 45% IACS	120 BTU/ft <sup>2</sup> /hr/°F
C 17200	130 ksi	36 HrC	13 M / Ω.mm <sup>2</sup> 22% IACS	60 BTU/ft <sup>2</sup> /hr/°F

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