CEWELD[®]

ER 630 Tig (17-4 PH)

CATEGORY	GMAW-GTAW Solid wires					
ТҮРЕ	Precipitation hardening stainless steel filler metal used for welding materials of similar chemical composition such as 17-4 and 17-7.					
APPLICATIONS	To be used in the as welded condition or in the heat treated condition to obtain higher strength. Mechanical properties of this alloy are greatly influenced by the heat treatment.					
PROPERTIES	* Mechanical properties listed below reflect utilization of a post-weld heat treatment between 1875°F and 1925°F for one hour, followed by precipitation hardening between 1135°F					
CLASSIFICATION	AWS A 5.9: ER 630 UNS \$17480 EN ISO 14343-A: DIN: W.Nr. 1.4542 DIN 8556:					
SUITABLE FOR	Suitable for precipitation hardening stainless steel used for welding materials of similar chemical composition such as 17-4 (PH) and 17-7 as aplied for valves, fasteners, gears, propeller stafts, and roller chain pins. W.Nr: 1.4542					
Welding Positions:						

WELD DEPOSIT ANALYSIS

	-		-				
С	Mn	Si	Cr	Ni	Мо	Nb	Cu
<0.03	0.55	0.45	16.7	4.7	0.2	0.24	3.5

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	Impact Energy (J) ISO-V			Hardness
Treatment	(N/mm ²)	(N/mm ²)	(%)	+20°C	-40°C	-196°C	HRc / HV
* Heat treated	920	1020	11				

WELDING PARAMETERS / PACKING

	Pac	king (kg)		
D (mm)	Length (mm)	Current (A) DC-	single	master
1.6	1000	50-110	5	25
2.4	1000	110-180	5	25
3.2	1000	160-260	5	25

REDRYING TEMPERATURE not required

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GAS ACC. EN ISO 14175: