CEWELD®

ER 630 (17-4 PH)

1.4542

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		the as welded condition or in the heat treated condition to obtain higher strength. Mechanical 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 EN ISO DIN: W.Nr. DIN	A 5.9: ER 630 UNS S17480 14343-A: 1.4542 8556:				
SUITABLE FOR	•	recipitation hardening stainless steel used for welding materials of similar chemical composition (PH) and 17-7 as aplied for valves, fasteners, gears, propeller stafts, and roller chain pins. W.Nr:				

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

	Welding Parame	Packing		
D (mm)	Voltage (V)	Current (A) DC+	spool type	lbs / spool
0.9	26-29	160-210	S-300	33
1.14	28-32	180-250	S-300	33
1.6	29-33	200-280	S-300	33

REDRYING TEMPERATURE not required

GAS ACC. EN ISO 14175: M11, M12, M13