



CEWELD ER 630 (17-4 PH)

TYPE	Precipitation hardening stainless steel filler metal used for welding materials of similar chemical composition such as 17-4 and 17-7.							
TOEPASSINGEN	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.							
EIGENSCHAPPEN	Mechanical properties listed below reflect utilization of a post-weld heat treatment between 1024°C (1875°F) and 1052°C (1925°F) for one hour, followed by precipitation hardening between 623°C (1135°F)							
CLASSIFICATIE	AWS	A 5.9: ER630						
	EN ISO	14343-B: G 630						
	W.Nr.	1.4542						
	F-nr	6						
	FM	5						
GESCHIKT VOOR	For Martensitic stainless steel 17-4 and other similar precipitation- hardening stainless steel 1.4542, 1.4548 X5CrNiCuNb16-4 ASTM A564 Type 630 (17-4PH), A705, A693, 17-4PH, FE-PM61 , Z6CNU 17-4, Z7CNU17-04, UNS S17400, ASM 5643, 5622, 5398, 5342-44, 5604, 5529. 5528, 5568.							
GOEDKEURINGEN	CE							
LASPOSITIES								
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	Cr	Ni	Mo	Nb	Cu
	0.03	0.45	0.55	16.7	4.8	0.2	0.2	3.5
MECHANISCHE WAARDEN	Heat Treatment		R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness		
	As Welded		750	980	10	38 HRc		
HERDROGEN	Not required							
GAS ACC. EN ISO 14175	M11, M13, M12							



CEWELD ER 630 (17-4 PH)

ER 630 (17-4 PH) 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415486

ER 630 (17-4 PH) 1,14MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415493

ER 630 (17-4 PH) 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663415516