

**Carbon Steel Welding Electrode**

TYPE	CLASSIFICATION			
	AWS	GB	JIS	DIN
Rutile	A5.1 E6013	J421	D4313	E4332 R3
	E6012			
	E7014	J501Fe		E4321AR11120
		J422 J502	D4303 D5003	
Low Hydrogen	A5.1 E7018	J506Fe	D5016	E5154B(R)10
	E7016	J506	D5016	E5143 1310
	E7015	J507		E5155 1310
	E6015	J427		
	E6016	J426	D4316	E4343B10
	E6018	J426Fe		
Cellulosic Pipeliner	A5.1 E6011	J425	D4311	
	E6010	J421X	D4313	E4343C4
	E6013	J421X		
	E7011	J505		
	E7010			
Iron Powder	A5.1 E6024	J421Fe16		
	E7024	J501Fe16		E5142RR11160
	E7028	J507Fe16		E5155B( R )2160
	E7027			
	E6027	J424Fe16	D4327	E4354AR11160

**Low Alloy Steel Welding Electrode**

TYPE	CLASSIFICATION			
	AWS	GB	JIS	DIN
500MPa Grade	A5.5 E7015-G	J507CrNi	D4313	E4332 R3
	E7016-G	J506RH		
	E7010-G	J505G		
	E7018-G	J508Ni		E46 6 Mn1Ni B 32H 5
	E7010-A1	J505Mo		
	E7018-A1 H4R			
550MPa Grade	A5.5 E8015-G	J557	D5316	EY5066NiMoBH5
	E8016-G	J556		
	E8018-G	J558		
	E8018-C3			
600MPa Grade	A5.5 E9015-G	J607RH		
	E9016-G	J606RH		
	E9018-G			
700MPa Grade	A5.5 E10015-G			
	E11018-G			E5142RR11160
	E12015-G			E5155B( R )2160
	E12018-G			

**Heat Resistant Welding Electrode**

TYPE	CLASSIFICATION			
	AWS	GB	JIS	DIN
Heat Resistant	A5.5 E7015-A1	R107	DT1216	EMoB10+
	E7018-A1	R108		
	E8015-B1	R207		
	E8015-B2	R307	DT2315	ECrMo1B10+
	E9015-B3	R407	DT2415	ECrMo2B10+

### Stainless Steel Welding Electrode

TYPE	CLASSIFICATION			
	AWS	GB	JIS	DIN
Titanium-Calcium Type AC/DC	A5.4 E308-16	A102	D308-16	E199R26
	E309-16	A302	D309-16	E2312R26
	E316-16	A202	D316	E19123R26
	E310-16	A402	D310-16	E2520R26
	E309Mo-16	A312	D309Mo-16	E2312R26
	E347-16	A132	D347-16	E199NbR26
	E310H-16			
	E308H-16			
	E410-16	G202	D410	E13B20+
	E308L-16	A002	D308L	E199ncR23
	E316L-16	A022	D316L	E19123ncR26
	E309L-16	A062		
	E347L-16	A002Nb		
E309MoL-16	A042			
Low Hydrogen DC	A5.4 E308-15	A107		E199B26
	E309-15	A307	D309-15	E2212B20+
	E316-15	A207		E19123B20+
	E310-15	A407	D310-15	E2520B26
	E309Mo-15			
	E410-15	G207		E13B20+
	E347-15	A137	D347-15	E199NbB26

### Hard Facing Welding Electrode

TYPE	CLASSIFICATION			
	AWS	GB	JIS	CN MARK
Low and Medium Alloy Steel		D102		EDPMn2-03
		D107		EDPMn2-15
		D112		EDPCrMo-A1-03
		D172		EDPCrMo-A3-03
		D207		EDPCrMnSi-15
		D212		EDPCrMo-A4-03
High Cr-Mn Steel	EFeMn-A	D256	DF-MnA	EDMn-A-16
	EFeMn-B	D266	DF-MnA	EDMn-B-16
Alloyed Refractory Steel		D322		EDRCrMoWV-A1-15
		D317		EDRCrMoWV-W3-15
High Cr Steel	DE-ME	D276	DF-ME	EDCrMn-B-16
Alloyed Cast Iron		D608		EDZ-A1-08
Tungsten Carbide		D707		EDW-A-15

### Cast Iron Welding Electrode

TYPE	CLASSIFICATION			
	AWS	GB	JIS	DIN
Ni-Cored	A5.15 Eni-CI	Z308	DECNi	
	ENiFe-CI	Z408	DFCNiFe	
	ENiCu-B	Z508		

### Low Temperature Welding Electrode

TYPE	CLASSIFICATION			
	AWS	GB	JIS	CN MARK
	E7015-G	W607		E5015-G
		W707		E5015-G