



CASTARC 50N (JIS Z3252 DFCFe)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	2.5kg	300mm	1000kg		
3.2mm	2.5kg	350mm	1000kg		
4.0mm	2.5kg	350mm	1000kg		

Description and Applications :

- ◆ CASTARC 50N is a graphite electrode using mild steel rod. Its weld metal shows high carbon content. Then it results high hardness, so it is suitable for welding the parts where machining is unnecessary. Its fusibility with cast iron is excellent.



CASTARC 100N (AWS A5.15 ENi-CI)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	1kg/2.5kg	300mm	1000kg		
3.2mm	1kg/2.5kg	350mm	1000kg		
4.0mm	1kg/2.5kg	350mm	1000kg		

Characteristics :

- ◆ Electrode with graphite-basic coating to weld on DC - and AC. Weld deposit consists of pure Ni. Recommended for cold welding and repairing of grey cast iron, repairing of cracks. Homogeneous and easy to machine deposit. Good bonding and flow of weld metal.



CASTARC 150N (AWS A5.15 ENiFe-CI)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	2.5kg	300mm	1000kg		
3.2mm	2.5kg	350mm	1000kg		
4.0mm	2.5kg	350mm	1000kg		

Characteristics :

- ◆ Graphite basic coated electrode with a Fe-Ni alloy deposit for joining and repairing nodular cast iron. Deposit is homogeneous and highly resistant against cracks. Particularly recommended for dissimilar welding of cast iron to steels and cast iron construction. Good bonding and flow of the weld metal.

HARDFACING 350R (JIS Z3251 DF2A-350R) 30HRC



Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	5kg/20kg	400mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		
5.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ Machining properties and resistant abrasion accompanied by impact used for repairs of welding crane wheels, buckets, bulldozer blades and shovel tooth.

HARDFACING 700R (JIS Z3251 DF2B-600R) 58HRC



Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	5kg/20kg	400mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		
5.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ Weld metal deposits martensite structure with characteristics of high hardness and great slag removal. Used for the welding of pump impeller and agitator propeller.

HARDFACING Mn-Ni (Rebuilding 11%-14% Mn Steel)



Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		
5.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ For surfacing and building up manganese steel components such as crusher jaws and hammers.



HARDFACING ARC 9 (Chrome Carbide) 45HRC

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		
5.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ Weld deposit resistant surface to withstand heavy impact and gouging abrasion.



HARDFACING ARC 33 (Chrome Carbide) 60HRC

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		
5.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ Weld deposit is ideal for all types of abrasion under high impact loading.



HARDFACING ARC 43 (Chrome Carbide) 65HRC

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		
5.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ Weld deposit resistance to extreme abrasion and capable of withstanding heavier impact levels than standard chromium carbide grades.



HARDFACING TC (Rebuilding High Speed Steel)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	5kg/20kg	300mm	1000kg		
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ Ideal for surfacing and repairing high speed tool steels.



HARDFACING Co 6 (Stellite 6)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	5kg/20kg	300mm	1000kg		
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	400mm	1000kg		

Applications :

- ◆ The weld deposit is highly resistant for metal to metal wear and to corrosion up to 800°C.



POWERWELD C & G (CUTTING & GOUGING)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
3.2mm	4kg/16kg	350mm	1000kg		
4.2mm	4kg/16kg	350mm	1000kg		

Applications :

- ◆ POWERWELD C & G electrodes are specially designed for powerfully effective cutting and grooving which can also be used for gouging and hole-piercing. It gives a concentrated forceful arc capable of penetrating plates up to 2.5mm in thickness.



POWERWELD AL5 (For Welding Aluminium)

Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	1kg/6kg	350mm	1000kg		
3.2mm	1kg/6kg	350mm	1000kg		
4.0mm	1kg/6kg	350mm	1000kg		

Applications :

- ◆ Aluminium electrode with 5% Si for welding and repairing aluminium or aluminium alloy pieces (AlSi, AlCuSiMn, AlSiMg, AlZnMg). For joints between aluminium and aluminium-alloys, for cast aluminium alloys. Can also used as a torch brazing alloy.

POWERWELD Cu 100

(AWS A5.6 ECu)

(For Welding Pure Copper)



Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	5kg/20kg	350mm	1000kg		
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	350mm	1000kg		

Applications :

- ◆ Joining of electrical Copper electrodes used in Furnaces, for joining Copper to Steel bars in Electrically heated drive ways.

POWERWELD Cu 112

(AWS A5.6 ECuSn-A)

(For Welding Bronze & Brass)



Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	5kg/20kg	350mm	1000kg		
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	350mm	1000kg		

Characteristics :

- ◆ Recommended for repairing wrought bronze (CuSn), for surfacing on brass, steels and cast iron.

Applications :

- ◆ Construction of equipment for the Chemical industry and Petrochemical industry, Naval constructions and installations for sea water desalination, Repair works.

POWERWELD Cu 114

(AWS A5.6 ECuAl-A2)

(For Welding Aluminium Bronze)



Diameter	Standard Package	Standard Length	Standard Pallet	List Price	Net Price
2.6mm	5kg/20kg	350mm	1000kg		
3.2mm	5kg/20kg	350mm	1000kg		
4.0mm	5kg/20kg	350mm	1000kg		

Applications :

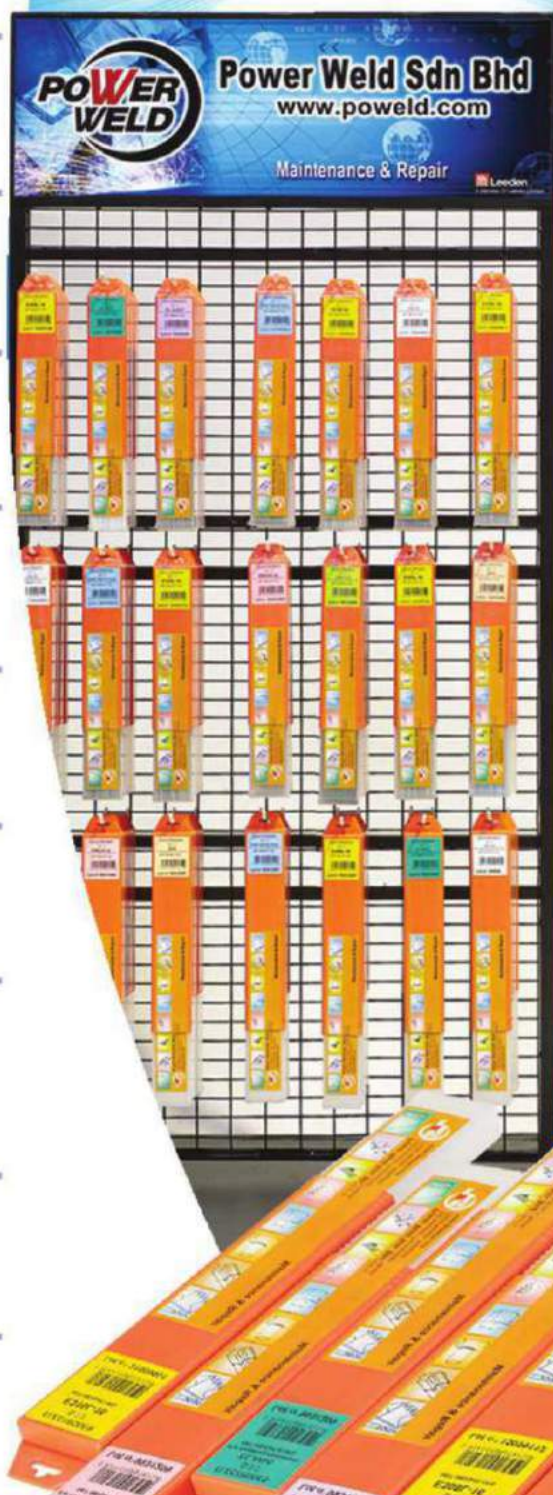
- ◆ Ship Building, Sea water applications, Desalination plants, Chemical industry, Pumps parts which are attacked by sea water (Propellers, Bearings.....).



POWER WELD RACK PACK



PRODUCT DESCRIPTION	SIZE	PACKING (1kg)	CODE	PRICE (RM)
308L	2.0MM	1KG	P1103080820	
FOR STAINLESS	2.6MM	1KG	P1103080826	
STEEL	3.2MM	1KG	P1103080832	
	4.0MM	1KG	P1103080840	
316L	2.6MM	1KG	P1103160826	
FOR STAINLESS	3.2MM	1KG	P1103160832	
STEEL	4.0MM	1KG	P1103160840	
309L	2.6MM	1KG	P1103090826	
FOR STAINLESS	3.2MM	1KG	P1103090832	
STEEL	4.0MM	1KG	P1103090840	
310L	2.6MM	1KG	P1103090826	
FOR HIGH	3.2MM	1KG	P1103090832	
TEMPERATURE	4.0MM	1KG	P1103090840	
29/9	2.6MM	1KG	P1103120826	
FOR MAINTENANCE	3.2MM	1KG	P1103120832	
AND REPAIR	4.0MM	1KG	P1103120840	
ENiFe-CI	2.6MM	1KG	P1101500826	
FERRO NICKEL	3.2MM	1KG	P1101500832	
REPAIRING CAST IRON	4.0MM	1KG	P1101500840	
ENi-CI	2.6MM	1KG	P1101000826	
PURE NICKEL FOR	3.2MM	1KG	P1101000832	
REPAIRING CAST IRON	4.0MM	1KG	P1101000840	
EL-AISi5	2.6MM	0.5KG	P1107430826	
FOR REPAIRING	3.2MM	0.5KG	P1107430832	
ALUMINIUM	4.0MM	0.5KG	P1107430840	
EL-CuSn7	2.6MM	1KG	P1106200826	
FOR REPAIRING	3.2MM	1KG	P1106200832	
COPPER AND				
COPPER ALLOY				
ERCoCr-A	2.6MM	1KG	P1110060826	
FOR HARDSURFACING	3.2MM	1KG	P1110060832	
STELLITE 6 (TIG ROD)	4.0MM	1KG	P1110060840	
HIGH SPEED STEEL	2.6MM	1KG	P1170150826	
FOR HARDSURFACING	3.2MM	1KG	P1170150832	
60-65HRC	4.0MM	1KG	P1170150840	



TRANSFORMER ARC WELDING MACHINE / COPPER COIL

AC-315



The AC-315 is mostly widely be used in welding field, AC arc welding machine. Widely be used in welding low carbon steel, low alloy steel. 35% rated duty cycle, overloading protection. Transformer is rolled around, with H level material, high welding efficiency, long using lifetime.

Specifications

Input Voltage	415V 2ph 50HZ
NO-load Voltage	70A
Rated Output Current	315A
Output Current Range	70-315A
Duty Cycle	35% 315A / 100%185A
Rated Input Capacity	21KVA
Cooling mode	Air-cooling
Weight	72KG
Insulation	H
Protection Class	IP21S



AC-400

The AC-400 is mostly widely be used in welding field, AC arc welding machine. Widely be used in welding low carbon steel, low alloy steel. 35% rated duty cycle, overloading protection. Transformer is rolled around, with H level material, high welding efficiency, long using lifetime.

Specifications

Input Voltage	415V 2ph 50HZ
NO-load Voltage	72A
Rated Output Current	400A
Output Current Range	85-400A
Duty Cycle	35% 400A / 100%236A
Rated Input Capacity	32.5KVA
Cooling mode	Wind-cooling
Weight	78KG
Insulation	IP21S
Protection Class	H



AC-500

The AC-500 is mostly widely be used in welding field, AC arc welding machine. Widely be used in welding low carbon steel, low alloy steel. 35% rated duty cycle, overloading protection. Transformer is rolled around, with H level material, high welding efficiency, long using lifetime.

Specifications

Input Voltage	415V 2ph 50HZ
NO-load Voltage	70A
Rated Output Current	500A
Output Current Range	105-500A
Duty Cycle	35% 500A / 100%295A
Rated Input Capacity	42KVA
Cooling mode	Wind-cooling
Weight	96KG
Insulation	IP21S
Protection Class	H



TUBUROD 33

OUTSTANDING FEATURES

- ❖ Ultimate single layer hardness
- ❖ Seamless steel tube construction for better arc characteristics
- ❖ No flux dropping in the weld pool during welding
- ❖ Complete electrode deposition without electrode overheating
- ❖ Good control of weld pool during welding
- ❖ Slagless deposit with high metal recovery
- ❖ Minimal fumes, gases. Easy strike and restrike

DESCRIPTION AND APPLICATIONS

A tubular product, with Chromium carbides and complex carbide rich deposits resist grinding abrasion along with erosion. The buildup can be done with ease with these alloys. Highly recommended for parts subjected to grinding abrasion combined with moderate heat and erosion. Complete electrode deposition is possible without the electrode getting red hot and leading to wastages. The productivity can be the best with these electrodes. Low temperature welding with good current density due to tubular design. Its applications include hydraulic turbine parts, hotcutting tools, chemical and high pressure steam valves, kernel crushing screws for palm oil processing.

TYPICAL WELD METAL CHEMICAL COMPOSITION (%)

C	Si	Mn	Cr
3.50-5.50	1.00-2.50	1.00-2.00	30-35

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES

TENSILE STRENGTH	YIELD STRENGTH	ELONGATION	HARDNESS
-	-	-	57-62 HRc

OPERATIONAL AND PACKAGING DATA

ELECTRODE SIZE (mm)	ELECTRODE LENGTH (mm)	WELDING CURRENT RANGE (amps)	PACKAGING (kg)	
			PKT	CTN
6.0	450	140-160	5	20
8.0	450	150-180	5	20

- Recommended for DC+ or AC