

DUWELD
Non-Stop Welding



Duweld

As Durmaz Export and Import Iron Industry Trade Ltd Co., it has been one of the leading foreign companies of our country with its import and export activities in all iron and steel products, especially in box profile, sheet metal, coiled sheet, galvanized sheet, angle iron, galvanized wire and some other sectors since 1998, has taken its place among trading companies. In addition to its foreign trade activities in 2017, our company has decided to invest in the manufacturing industry under the name of Durmaz Steel Industry and Trade Inc.

In this direction, it has completed the machinery, factory construction and infrastructure works related to the production of galvanized wire, black wire, construction wire, panel fence, etc. It started production at full capacity. Our company has finally started to produce GAS Welding Wire for Non-Alloy Metals in its new facility under the name DUWELD in 2021.



Unalloyed Welding Wire



General Description

Gas metal arc (MIG/MAG) welding wire used for welding general structural steels, pipe steels and cast steels. Depending on the thickness of the base metal, CO₂ (carbon dioxide) or mixed gases can be used as shielding gas. It is generally used in steel structure and shipbuilding, machinery, tank, boiler manufacturing, metal goods manufacturing and automotive industry. It is recommended to preheat according to the thickness of the material to be welded and its carbon equivalent. Thin and homogeneous copper coating increases the electrical conductivity and the resistance of the wire against corrosion.

Standards		Typical Chemical Properties of Welding Wire			Typical Mechanical Properties of Weld Metal	
AWSA5.18	ER706S-6		C	Si	Mn	Yield Strength (Mpa) : 440 N/mm ²
ENISO 14341-A	G 42 4 M21 3Si1	TS/EN/ISO	0,06-0,14	0,70-1,00	1,30-1,60	Tensile Strength (Mpa) : 540 N/mm ²
ENISO 14341-A	G 42 4 C1 3Si1	DUW1/2	0.06	0.85	1.45	Elongation A5 (%) : 30
TS EN ISO 14341-A	G 42 4 M21 3Si1					Notch Impact Resistance ISO-V (J) : 60 J (-30°C)
TS EN ISO 14341-A	G 42 4 C1 3Si1					



Weldable Steels	DIN	EN
General Structural Steels	St 33, St 34, St 37, St 44, St 44-2, St 44-3, St 52, St 52-3 St 37-4, St 44-4, St 52-4 St 50-2, St 60-2 C 10-C35; Ck 10 - Ck 35	S185, S235, S275, S355 P235TR2-P355T2 E295-E335 C10-C35
Fine Grain Steels	StE 255 - StE 420 WStE 255 - WStE 355	S255N - S420N P255NH - P355NH
Pipe Steels	StE 210-7 - StE 360-7 StE 290-7 TM - StE 360-7 TM X42,X46,X52X60(API 5LX)	L210-L360NB L290MB -L3620MB -----
Boiler and Pressure Vessel Steels	17 Mn 4, 19 Mn 6 HI, HII	P295GH, P355GH P235GH, P265GH
High Temperature Steels	St 35-8, St 45-8	P235G1TH - P255G1TH
Ship Sheets	A, B, C, D, E AH32 - EH36	----- -----
Cast Steels	GS-38, GS-45, GS-52	GE200, GE240, GE260

Shielding Gases		
M21	Ar + %5-25 CO ₂	C1 %100 CO ₂

Welding Parameters			Packaging and Diameter Information							
Wire Thickness (mm)	AMPERE	VOLTAGE	Diameter		Barrel Weight	Barrel Type	Spool Weight		Spool Type	
0.8	50-200 A	14-26 V	0.8	1.0	250 kg	Fiber Canister	15 kg	5 kg	Plastic	Wire
1.00	80-230 A	15-27 V	✓	✓	✓	✓	✓	✓	✓	✓
1.20	120-340 A	17-30 V								
1.60	180-400 A	19-36 V								



Unalloyed Welding Wire



General Description

Gas metal arc (MIG/MAG) welding wire used for welding general structural steels, pipe steels and cast steels. Depending on the thickness of the base metal, CO₂ (carbon dioxide) or mixed gases can be used as shielding gas. It is generally used in steel structure and shipbuilding, machinery, tank, boiler manufacturing, metal goods manufacturing and automotive industry. It is recommended to preheat according to the thickness of the material to be welded and its carbon equivalent. Thin and homogeneous copper coating increases the electrical conductivity and the resistance of the wire against corrosion.

Standards		Typical Chemical Properties of Welding Wire			Typical Mechanical Properties of Weld Metal	
AWS A5.18	ER70S-6		C	Si	Mn	Yield Strength (Mpa) : 470 N/mm ²
EN ISO 14341-A	G 46 4 M21 4S1	TS/EN/ISO	0,06-0,14	0,80-1,20	1,60-1,90	Tensile Strength(Mpa) : 570 N/mm ²
EN ISO 14341-A	G 46 4 C1 4S1	DUW3/4	0.06	0.85	1.60	Elongation A5 (%) : 25
TS EN ISO 14341-A	G 46 4 M21 4S1					Notch Impact Resistance ISO-V (J) : 60 J (-30°C)
TS EN ISO 14341-A	G 46 4 C1 4S1					



1G/PA



2F/PB



2G/PC



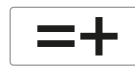
4G/PE



3G/PF



3G/PG



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Weldable Steels	DIN	EN
General Structural Steels	St 44, St 44-2, St 44-3, St 52, St 52-3 St 37-4, St 44-4, St 52-4 St 50-2, St 60-2, St 70-2 C 10-C35; Ck 10-Ck 35	S275, S355 P235TR2-P355T2 E295-E335, E360 C10-C35
Fine Grain Steels	StE 255 - StE 420 WStE 255 - WStE 355	S255N - S420N P255NH - P355NH
Pipe Steels	StE 210-7 - StE 360-7 X42, X46, X52X60 (API 5LX)	L210-L360NB -----
Boiler and Pressure Vessel Steels	17 Mn 4, 19 Mn 6 H1, H11	P295GH, P355GH P235GH, P265GH
High Temperature Steels	St 35-8, St 45-8	P235G1TH - P255G1TH
Ship Sheets	A, B, C, D, E AH32 - EH36	----- -----
Cast Steels	GS-38, GS-45, GS-52	GE200, GE240, GE260

Shielding Gases

M21 Ar + %5-25 CO₂ **C1** %100 CO₂

Packaging and Diameter Information

Diameter				Barrel Weight	Barrel Type	Spool Weight		Spool Type	
0.8	1.0	1.2	1.6	250 kg	Fiber Canister	15 kg	5 kg	Plastic	Wire
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



For Non-Alloy Steels

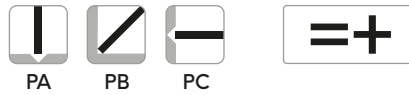
Submerged Arc Welding Wire



General Description

It is a surface copper-coated welding wire used in the welding of medium and high strength steels with a tensile strength up to 520 N/mm² by the submerged arc welding method. It is used in the manufacture of pressure vessels, boilers, pipes, ships and steel constructions. Copper coating increases its electrical conductivity and resistance to corrosion.

Standards	Typical Chemical Properties of Welding Wire			Typical Mechanical Properties of Weld Metal	
AWS/ASME SFA-5.17 EM12	C	Si	Mn	Yield Strength (Mpa)	: 370-440 N/mm ²
EN ISO 14171-A S2	TS/EN/ISO 0,07-0,15	≤0,15	0,80-1,30	Tensile Strength(Mpa)	: 450-530 N/mm ²
TS EN ISO 14171-A S2	DUWS2Mo 0,09	0,06	0,88	Elongation A5 (%)	: 25-30
				Notch Impact Resistance ISO-V (J)	: 50 J (-20°C)



PA PB PC

Weldable Steels	DIN	EN
General Structural Steels	St 33, St 34, St 37, St 44, St 44-2, St 44-3, St 52, St 52-3	S185, S235, S275, S355
Fine Grain Steels	StE 255 - StE 355 WStE 255 - WStE 355	S255N - S355N P255NH - P355NH
Pipe Steels	StE 210-7 - StE 360-7 StE 290-7 TM - StE 360-7 X42, X46, X52 X60 (API 5LX)	L210 - L360NB L290MB - L360MB -----
Boiler and Pressure Vessel Steels	17 Mn 4, 19 Mn 6 H1, H11	P295GH, P355GH P235GH, P265GH
High Temperature Steels	St 35-8, St 45-8	P235G1TH - P255G1TH
Ship Sheets	A, B, C, D	-----
Cast Steels	GS-38, GS-45	GE200, GE240

Packaging and Diameter Information

Diameter				Barrel Weight	Barrel Type	Spool Weight	Spool Type
2.0	2.4	3.2	4.0	350-650 kg	Fiber Canister	25 kg	K 435
—	—	✓	✓	✓	✓	✓	✓



For Non-Alloy Steels

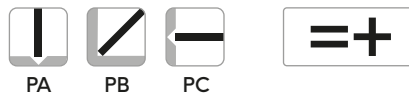
Submerged Arc Welding Wire



General Description

It is a copper coated submerged arc welding wire with high silicon content. It is used in the manufacture of pressure vessels, boilers, ships and steel constructions. High manganese and silicon content increase the deoxidation property of the weld pool. Being copper clad increases its electrical conductivity and resistance to corrosion.

Standards	Typical Chemical Properties of Welding Wire			Typical Mechanical Properties of Weld Metal	
AWS/ASME SFA-5.17 EM12K	C	Si	Mn	Yield Strength (Mpa)	: 370-440 N/mm ²
EN ISO 14171-A S2Si	TS/EN/ISO 0,07-0,15	0,05-0,40	0,80-1,30	Tensile Strength(Mpa)	: 450-530 N/mm ²
TS EN ISO 14171-A S2Si	DUWS2Mo 0,09	0,25	1,10	Elongation A5 (%)	: 25-30
				Notch Impact Resistance ISO-V (J)	: 50 J (-20°C)



Weldable Steels	DIN	EN
General Structural Steels	St 33, St 34, St 37, St 44, St 44-2, St 44-3, St 52, St 52-3 St 50.2, St 60.2, St 70.2	S185, S235, S275, S355 E295, E335, E360
Fine Grain Steels	StE 255 - StE 460 WStE 255 - WStE 460	S255N - S460N P255NH - P460NH
Boiler and Pressure Vessel Steels	17 Mn 4, 19 Mn 6 H1, H11, H111 St 37.2, St 44	P295GH, P310GH P235GH, P265GH, P285NH P235S, P265S
High Temperature Steels	St 35-8, St 45-8	P235G1TH - P255G1TH
Ship Sheets	A, B, C, D AH32 - EH36	---

Packaging and Diameter Information						
Diameter	Barrel Weight	Barrel Type	Spool Weight	Spool Type		
2.0 2.4 3.2 4.0	350-650 kg	Fiber Canister	25 kg	K 435		
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For Low Alloy Steels

Submerged Arc Welding Wire



General Description

It is a copper-plated submerged arc welding wire alloyed with molybdenum. It is especially used in the welding of high strength low alloy steels and creep resistant steels. Copper coating increases its electrical conductivity and resistance to corrosion.

Standards	Typical Chemical Properties of Welding Wire				Typical Mechanical Properties of Weld Metal		
AWS/ASME SFA-5.23 EA2	C	Si	Mn	Mo	Yield Strength (Mpa)	: 460-600 N/mm ²	
EN ISO 14171-A S2Mo	0,07-0,15	0,05-0,25	0,80-1,30	0,45-0,65	Tensile Strength(Mpa)	: 550-670 N/mm ²	
TS EN ISO 14171-A S2Mo	DUWS2Mo	0,10	0,15	1,10	0,50	Elongation A5 (%)	: 25-30
					Notch Impact Resistance ISO-V (J)	: 50 J (-20°C)	



Weldable Steels	DIN	EN
General Structural Steels	St 33, St 34, St 37, St 44, St 44-2, St 44-3, St 52, St 52-3	S185, S235, S275, S355
Fine Grain Steels	StE 255 - StE 355 WStE 255 - WStE 355	S255N - S355N P255NH - P355NH
Pipe Steels	StE 210-7 - StE 360-7 StE 290-7 TM - StE 360-7 X42, X46, X52 X60 (API 5LX)	L210 - L360NB L290MB - L360MB -----
Boiler and Pressure Vessel Steels	17 Mn 4, 19 Mn 5, 15 Mo 3 H1, H11, H111	P235GH, P265GH, P285NH P235GH, P265GH, P285NH
High Temperature Steels	St 35-8, St 45-8	P235G1TH - P255G1TH

Packaging and Diameter Information							
Diameter				Barrel Weight	Barrel Type	Spool Weight	Spool Type
2.0	2.0	2.0	2.0	350-650 kg	Fiber Canister	25 kg	K 435
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



MIG-MAG WELDING MACHINES

DM 500 AS WATER COOLED



DM 500 AS

Usage Areas

The DM 500 AS water cooling MIG/MAG Welding Machine which can be used in general purpose is used for bonding the metals at the various thicknesses. Providing high performance in bonding the metals by means of normal and flux cored wires, the machine consists of all the expected specifications during the welding. It is used in welding the materials such as aluminum, steel furniture, and profile joinery, etc. The usage are of the machine is quite wide. It is being used with the mass production in many areas such as vessels, construction and steel sector under the name MIG/MAG Welding Machine.

General Features
The Supply voltage is designed according to 3-Phase, 400V/50-60 Hz
It is of the capacity to burn normal and flux cored wires continuously.
4-roller wire feeding unit is used to prevent he wire deformation with the wire types to be used and also to be able to feed the soft wires continuously.
The wire feeding units is suitable to the 1.0-1.2 mm wire diameters.
The wire feeding unit cable pack is produced in 4 m standard; when requested it can be produced together with special cable packs up to 15 m for the special purpose uses.
The welding machine has been taken under protection against warming up by means of a cooling fan to prevent the regime loss during the operation.
Water cooling unit and pump is existed on the machine for torch cooling.
300 mm diameter wire rollers and drum packed wires can be used during the operation.
A 220V plug is existed for the Carbon dioxide (CO2) Gas Heater use.
The wire feeding unit with four wheels, which can rotate to each direction easily and also be separated from the machine provides an easy working capability.
There are digital indicators for voltmeter and amperemeters.
Thanks to the 3x10 30 position switches existed on the welding machine, a wide current and precise controlling feature is provided.
It is of 2T-4T Trigger option.

Technical Specifications	
MAINS VOLTAGE	3*400V/50-60 Hz
MAX. PRIMARY CURRENT	39 A
MAX.INPUT POWER	26 KVA
OPEN CIRCUIT VOLTAGE	18-50 V
CURRENT SETTING FIELD	50-500 A
WELDING CURRENT IN 60% REGIME	500 A
WELDING CURRENT IN 100% REGIME	400 A
PROTECTION INSURANCE	50 A
INSULATION CLASS	H
PROTECTION CLASS	IP23
TORCH COOLING	Water
FOR STEEL AND STAINLESS STEEL	1,0-1,2-1,6 mm
ALUMINUM	1,0-1,2-1,6 mm
WEIGHT	234 kg
DIMENSIONS	655x965x1365 mm



Standard Accessories Supplied with the Machine

- ✔ MIG/MAG Water Cooling Type Torch (3m)
- ✔ Earth Cable (3m)
- ✔ Earth Holder

MIG-MAG WELDING MACHINES

DM 360 AV AIR COOLED



DM 360 AV

Usage Areas

The DM 360 AV air cooling MIG/MAG Welding machine which can be used in general purpose is used for bonding the metals at the various thicknesses. Providing high performance in bonding the metals by means of normal and flux cored wires, the machine consists of all the expected specifications during the welding. It is used in welding the materials such as aluminum, steel furniture, and profile joinery, etc. The usage are of the machine is quite wide. It is being used with the mass production in many areas such as vessels, construction and steel sector under the name MIG/MAG Welding Machine.

General Features
The Supply voltage is designed according to 3-Phase, 400V/50-60 Hz.
It is of the capacity to burn normal and flux cored wires continuously.
2-roller wire feeding unit is used to prevent the wire deformation with the wire types to be used and also to be able to feed the soft wires continuously.
The wire feeding units is suitable for 0.8-1.0 mm wire diameters.
The wire feeding unit cable pack is produced in 4 m standard; when requested it can be produced together with special cable packs up to 15 m for the special purpose uses.
The welding machine has been taken under protection against warming up by means of a cooling fan to prevent the regime loss during the operation.
300 mm diameter wire rollers and drum packed wires can be used during the operation.
A 220V plug is existed for the Carbon dioxide (CO2) Gas Heater use.
The wire feeding unit with four wheels, which can rotate to each direction easily and also be separated from the machine provides an easy working capability.
There are digital indicators for Voltmeter and amperemeters.
Thanks to the 3x7 21 position switches existed on the welding machine, a wide current and precise controlling feature is provided.
It is of 2T-4T Trigger option.

Technical Specifications	
SUPPLY VOLTAGE	3*400V/50-60 Hz
MAX. PRIMARY CURRENT	23,5 A
MAX. INPUT POWER	15,5 KVA
OPEN CIRCUIT VOLTAGE	17/44 V
CURRENT SETTING FIELD	35-350 A
WELDING CURRENT AT 60% REGIME	350 A
WELDING CURRENT AT 100% REGIME	250 A
PROTECTION INSURANCE	32 A
INSULATION CLASS	H
PROTECTION CLASS	IP23
TORCH COOLING	AIR
FOR STEEL AND STAINLESS STEEL	0,8-1,00 mm
ALUMINUM	0,8-1,00 mm
WEIGHT	119,5 kg
DIMENSIONS	610x845x1220 mm



Standard Accessories Supplied with the Machine

- ✔ MIG/MAG Water Cooling Type Torch (3m)
- ✔ Earth Cable (3m)
- ✔ Earth Holder

MIG-MAG WELDING MACHINES

DM 310 A AIR COOLED



DM 310 A

Usage Areas

The DM 310 A air cooling MIG/MAG Welding machine which can be used in general purpose is used for bonding the metals at the various thicknesses Providing high performance in bonding the metals by means of normal and flux cored wires, the machine consists of all the expected specifications during the welding. It is used in welding the materials such as aluminum, steel furniture, and profile joinery, etc. The usage are of the machine is quite wide. It is being used with the mass production in many areas such as vessels, construction, automotive and steel sector under the name MIG/MAG Welding Machine.

General Features
The Supply voltage is designed according to 3-Phase, 400V/50-60 Hz.
It is of the capacity to burn normal and flux cored wires continuously.
2-roller wire feeding unit is used to prevent the wire deformation with the wire types to be used and also to be able to feed the soft wires continuously.
The wire feeding units is suitable to the 0.8-1.0 mm wire diameters.
The welding machine has been taken under protection against warming up by means of a cooling fan to prevent the regime loss during the operation.
300 mm diameter wire rollers and drum packed wires can be used during in the operation.
A 220V plug is existed for the Carbon dioxide (CO ₂) Gas Heater use.
The wire feeding unit with four wheels, which can rotate to each direction easily and also be separated from the machine provides an easy working capability.
There are digital indicators for Voltmeter and ampere meters.
Thanks to the 3x7 21 position switches existed on the welding machine, a wide current and precise controlling feature is provided.
It is of 2T - 4T Trigger option.

Technical Specifications	
SUPPLY VOLTAGE	3*400V/50-60 Hz
MAX. PRIMARY CURRENT	19,5 A
MAX. INPUT POWER	13 KVA
OPEN CIRCUIT VOLTAGE	16/42 V
CURRENT SETTING FIELD	35-300 A
WELDING CURRENT IN 60% REGIME	300 A
WELDING CURRENT AT 100% REGIME	220 A
PROTECTION FUSE	25 A
INSULATION CLASS	H
PROTECTION CLASS	IP23
TORCH COOLING	AIR
FOR STEEL AND STAINLESS STEEL	0,8-1,00 mm
ALUMINUM	0,8-1,00 mm
WEIGHT	99,5 kg
DIMENSIONS	550x825x890 mm



Standard Accessories Supplied with the Machine

- ✔ MIG/MAG Water Cooling Type Torch (3m)
- ✔ Earth Cable (3m)
- ✔ Earth Holder

INVERTER WELDING MACHINES

DM INV 500 A



DM INV 500 A

Usage Areas

Oz INV 500 A, which can be used for general purposes, is used for thin and medium thickness metals. Used in conjunction with the covered electrode. With covered electrodes of many diameters It has a wide range of uses such as construction, repair and maintenance workshops, installations. Excellent welding of alloyed and non-alloyed steel, pipes, profiles and flat metals It provides trouble-free operation with its characteristic.

General Features
Mains voltage is designed according to 3Phase, 400V/50-60 Hz.
It has the ability to burn normal and cored wires continuously.
In the wire types to be used, a single wire feeding unit is used to prevent wire deformation and to feed soft wires continuously.
Wire feeding unit is suitable for 0.8-1.0 mm wire diameters.
The welding machine is protected against heating with the help of a cooling fan so that there is no loss of regime during operation.
During use, 300 mm diameter wire spools and drum-wrapped wires can be used.
There is a 220V socket for the use of Carbon Dioxide (CO ₂) Gas Heater.
It has four wheels, can rotate in all directions and provides ease of transportation in the work area.
There are digital displays for voltmeter and ammeter.
Thanks to the 3x7 21-stage switches on the welding machine, wide current and precise adjustment feature is provided.
Has 2T-4T Trigger option.

Technical Specifications	
SUPPLY VOLTAGE	400 V/50-60 Hz
MAX. PRIMARY CURRENT	39 A
MAX. INPUT POWER	15,6 KVA
OPEN CIRCUIT VOLTAGE	68 V
CURRENT SETTING FIELD	20-500 A
WELDING CURRENT AT 60% REGIME	500 A
WELDING CURRENT AT 100% REGIME	300 A
PROTECTION FUSE	63 A
ISOLATION CLASS	B
PROTECTION CLASS	IP21
TORCH COOLING	AIR
ELECTRODE DIAMETER	1,6-6,0 mm
WEIGHT	23 kg
DIMENSIONS	480x275x450 mm



Standard Accessories Supplied with the Machine

- ✔ Welding cable (3m)
- ✔ Electrode pliers (200A)
- ✔ Grounding pliers(200A)
- ✔ Ground wire (2m)

INVERTER WELDING MACHINES

DM INV 300 A



DM INV 300 A

Usage Areas

The DM INV 300 A which can be used for general purposes, is used for thin and medium thickness metals. Used in conjunction with the covered electrode. With covered electrodes of many diameters It has a wide range of uses such as construction, repair and maintenance workshops, installations. Excellent welding of alloyed and non-alloyed steel, pipes, profiles and flat metals It provides trouble-free operation with its characteristic.

General Features

- Mains voltage is designed according to 3 Phases, 380V/50-60 Hz.
- Ability to burn all covered type 3.25-4 mm rutile, basic, cellulosic electrodes has the feature.
- Produced with high quality inverter technology It provides 30-50% energy compared to machines.
- Current adjustment is made with a potentiometer.
- The machine is protected against heat loads with the thermostat circuit.
- 9,30kg. Easy to carry thanks to its light and ergonomic design creates.
- Cooling fan to prevent loss of regime during welding machine operation protected against overheating.
- Possibility of welding without loss of performance in long welding cables provides.

Technical Specifications

SUPPLY VOLTAGE	400 V/50-60 Hz
MAX. PRIMARY CURRENT	16 A
MAX. INPUT POWER	6,4 KVA
OPEN CIRCUIT VOLTAGE	64 V
CURRENT SETTING FIELD	20-300 A
WELDING CURRENT AT 60% REGIME	300 A
WELDING CURRENT AT 100% REGIME	150 A
PROTECTION FUSE	32 A
ISOLATION CLASS	B
PROTECTION CLASS	IP21
TORCH COOLING	AIR
ELECTRODE DIAMETER	1,6-5,0 mm
WEIGHT	14 kg
DIMENSIONS	455x236x375 mm



Standard Accessories Supplied with the Machine

- ✓ Welding cable (3m)
- ✓ Electrode pliers (200A)
- ✓ Grounding pliers(200A)
- ✓ Ground wire (2m)

INVERTER WELDING MACHINES

DM INV 200 A



DM INV 200 A

Usage Areas

The DM INV 200 A which can be used for general purposes, is used for bonding the thin and medium thickness metals using coated electrode It is of a vast usage such as construction, repair- maintenance workplaces, installation with various diameters of coated electrodes. It provides a trouble-free working possibility with its perfect welding characteristics with the alloyed and nonalloyed steel, pipe, profile and flat metals.

General Features

- The Mains supply is designed according to 1- Phase, 230V/50-60 Hz.
- It is of the characteristic to burn whole coated type 2.0-4.0 mm rutile, basic, cellulosic, aluminum electrodes.
- It has been manufactured by means of inverter technology at high quality. It provides 30-50% energy compared to conventional machines.
- The Current setting is made using a potentiometer.
- The machine is taken under protect against the heat loadings via thermostat circuit.
- Thanks to 9,7 kg light and ergonomic design, it provides a handling facility.
- The welding machine is taken under protection against heating by the help of cooling fan in order not to experience regime loss during the operation.
- It provides a welding opportunity experiencing a performance loss with the long welding cables.

Technical Specifications

SUPPLY VOLTAGE	230V/50-60 Hz
MAX. PRIMARY CURRENT	35 A
MAX. INPUT POWER	8 KVA
OPEN CIRCUIT VOLTAGE	60 V
CURRENT SETTING FIELD	30-180 A
WELDING CURRENT AT 60% REGIME	180 A
WELDING CURRENT AT 100% REGIME	150 A
PROTECTION FUSE	40 A
ISOLATION CLASS	B
PROTECTION CLASS	IP23
TORCH COOLING	AIR
ELECTRODE DIAMETER	2,0-4,0 mm
WEIGHT	9,7 kg
DIMENSIONS	155x355x305 mm



Standard Accessories Supplied with the Machine

- ✓ Welding cable (3m)
- ✓ Electrode pliers (200A)
- ✓ Grounding pliers(200A)
- ✓ Ground wire (2m)

DUWELD MAX POWER



DUWELD POWER

DUWELD coated abrasives; It is produced by coating abrasive particles on supports consisting of paper, fabric or vulcanized fiber.

AO FLAP DISK DUWELD MAX POWER

EXPLANATION

DUWELD MAX POWER AO Flap Discs are suitable for superior performance, high efficiency in all metal, low alloy steel and wood applications.

COMPATIBLE MATERIALS

Wood, Metal, Copper, Cast Iron, Leather, Brass, Plastic, Low Alloy Steels

Annual	Specification	Ø115	Master Box
P40	AO	✓	200 piece
P60	AO	✓	200 piece
P80	AO	✓	200 piece
P120	AO	✓	200 piece



AO FLAP DISK DUWELD POWER

EXPLANATION

DUWELD POWER AO Flap Discs are suitable for multi-purpose metal, low alloy steel and wood applications with ideal performance, advantageous price.

COMPATIBLE MATERIALS

Wood, Metal

Annual	Specification	Ø115	Master Box
P40	AO	✓	200 piece
P60	AO	✓	200 piece
P80	AO	✓	200 piece
P120	AO	✓	200 piece



ZR FLAP DISK DUWELD MAX POWER

EXPLANATION

DUWELD MAX POWER ZR Flap Discs contain a special formula for fast chip removal and high efficiency in multi-purpose all metal, high alloy steel and cast materials. It can be used for weld height removal, deburring and surface smoothing of materials.

COMPATIBLE MATERIALS

Casting, Inox, Metal, High Alloy Steels, Low Alloy Steels

Annual	Specification	Ø115	Master Box
P40	ZR	✓	200 piece
P60	ZR	✓	200 piece
P80	ZR	✓	200 piece
P120	ZR	✓	200 piece



ZR FLAP DISK DUWELD POWER

EXPLANATION

DUWELD POWER ZR Flap Discs are suitable for multipurpose metal, high alloy steel and casting applications for ideal performance and advantageous price. It can be used for weld height removal, deburring and surface smoothing of materials.

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DUWELD

Non-Stop Welding



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DUWELD bir **DURMAZ** markasıdır.

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