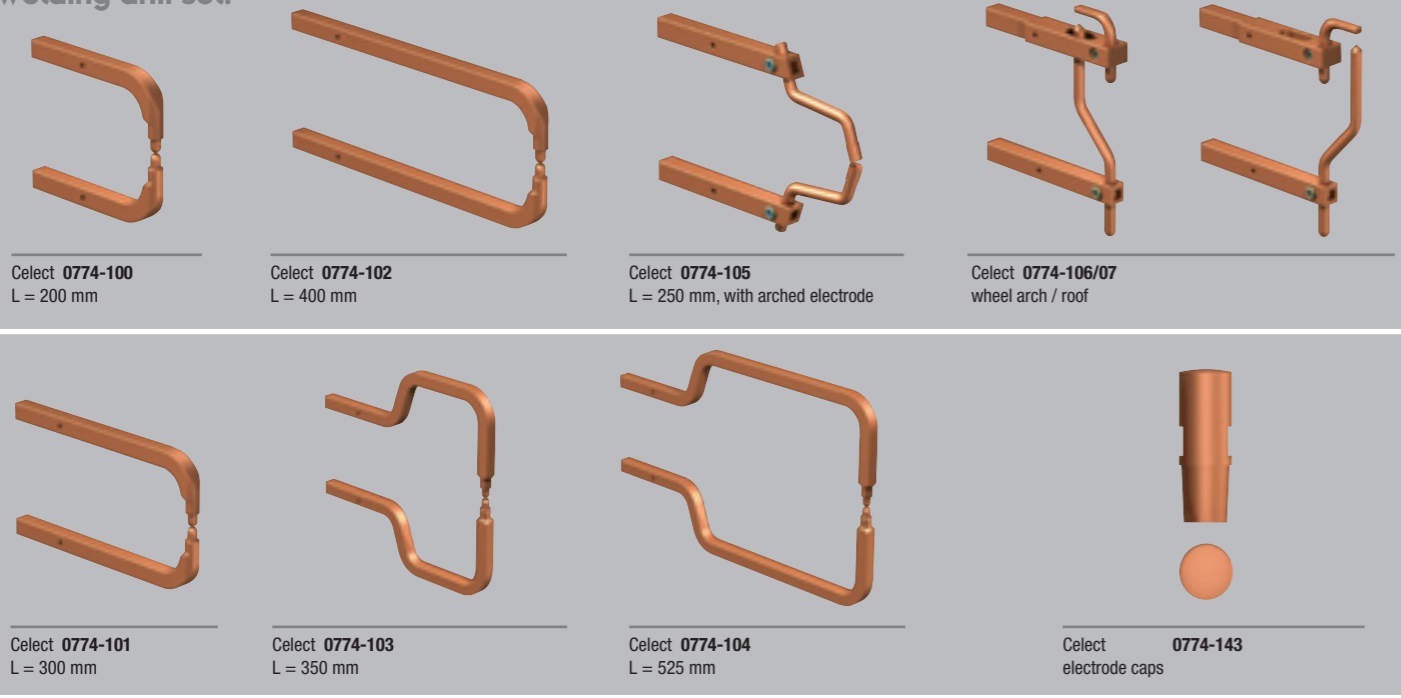


Welding arm set:



Celect **0774-100**
L = 200 mm

Celect **0774-102**
L = 400 mm

Celect **0774-105**
L = 250 mm, with arched electrode

Celect **0774-106/07**
wheel arch / roof

Celect **0774-101**
L = 300 mm

Celect **0774-103**
L = 350 mm

Celect **0774-104**
L = 525 mm

Celect **0774-143**
electrode caps

Technical data	PROTON I	PROTON I+
Supply voltage	3 x 400 V (3 Ph)	3 x 400 V (3 Ph)
Frequency inverter	Impulse frequency	Impulse frequency
Max. welding current	9,000 A DC	12,000 A DC
Max. welding output S _{max}	83 kVA (at max. 12 A DC)	114 kVA (at max. 12 A DC)
Dimensions l/w/h (without trolley)	690 / 290 / 475	690 / 290 / 475
Weight (without trolley)	58 kg	58 kg
Mains fuse protection	min. 32 A max. 63 A	min. 32 A max. 63 A
Regulated welding current	9 kA	12 kA
Open circuit voltage	15 V	16 V
Insulation class	I.Cl.F	I.Cl.F
Protection class	IP 21	IP 21
Cooling	Water-cooling AF	Water-cooling AF
Spot welding tongs pneumatic / water cooled, electrode pressure 4500 N at 6 - 8 bar	Celect Easy II	Celect Easy II
Welding cable / length	150 mm ² / 2.8 m	150 mm ² / 2.8 m
Operating pressure	6-10 bar	6-10 bar
Electrodes	12 / 14 mm	12 / 14 mm
Cable sets water cooled		
Gun cable / length	150 mm ² / 2.30 m	150 mm ² / 2.30 m
optional	150 mm ² / 2.80 m	150 mm ² / 2.80 m
Earth cable / length	150 mm ² / 2.30 m	150 mm ² / 2.30 m
optional	150 mm ² / 2.80 m	150 mm ² / 2.80 m

- Incl. in package**
- Inverter spot welding machine
 - Trolley
 - Cable Holder
 - Spot welding tongs: pneumatic, water-cooled, Celect Easy II
 - Gun cable 0601-721 / Earth cable 0601-62 2.30 m, water cooled
 - Water-cooling system FK 4,000 R
 - Pull-hammer
 - Welding arm set incl. electrode caps, water-cooled, consisting of art. no.: 0774-100, 0774-102, 0774-105, 0774-106/07
- Servicebox** including
- Plug-in electrode, carbon-shrinking electrode, shrinking electrode, spare electrode caps, pick-up heads and washers, studs, T-pins

FAN 36
months warranty

* FAN 36-month guarantee on inverter, transformer, diodes and user panel

The right to make technical changes is retained.

FAN
PRODUCTS

FAN AUSTRIA GMBH
Spot welding & auto-body-repair technologies
Laahener Straße 26, 4600 Wels, Austria
Phone +43 (7242) 444 32, Fax +43 (7242) 694 38
office@fan-austria.com
www.fan-austria.com

Dealer:

MULTI GRADE STEELS
MULTIPHASENSTÄHLE



PROTON +

FAN[®]

SPOT WELDING PERFECTED

PRECISE SPOT WELDING CONNECTIONS OF MULTI GRADE STEELS (DUAL / TRIP), MATERIALS OF DIFFERENT THERMAL CONDUCTIVITY AND GALVANIZED SHEETS.

FAN 36*
months warranty

DEVELOPED, TESTED & EXAMINED FOR THE CAR INDUSTRY  BETTER COOLING: INCREASED WELDING POWER – PERFECTLY ENGINEERED AND UNSURPASSED: CONTROLLED WATER COOLING RIGHT TO THE TIP



PROTON I+ 12.000 A*
PROTON I 9.000 A*

RELIABLE PROCESS, TIME SAVING THROUGH THE SUPERIOR WATER COOLING CIRCLE MODULE. HIGH PERFORMANCE INVERTER, SELF EXPLANATORY AND CLEAR CONTROL PANEL WITH MEMORY KEY.

WORKSHOP FRIENDLY: ENCLOSED ERGONOMIC DESIGN, NO UNNECESSARY EXPOSED EQUIPMENT OR CABLES

➔ *)Actual, continuous power at the tip of the electrodes at constant load. Tested & confirmed in practice and endurance tests.

➔ **COOLING** of the individual components is of vital importance for productivity and the quality of the welding spot. The fully integrated cooling system, developed by FAN, guarantees the precise cooling of **THE WHOLE MACHINE RIGHT TO THE ELECTRODE CAPS**. This ensures the maximum quality of the welding spot and a long lifespan for the electrodes.

OVERHEATING IS IMPOSSIBLE

The clever water re-cooling system FK 4.000 R of the PROTON I / I+ manages constant temperatures and includes the welding cable, connections, rectifier, high performance transformer, tongs, impact point pack and earthing hose pack.

CONSISTENT AND SECURED WELDING PROCESS UNDER CONSTANT LOAD

Consistently high welding current power – guaranteed by the high performance inverter (as used in car assembly). No drop in performance! Buffer circuit compensation levels out drops in mains current immediately.

+++ Continuous acoustic and optical monitoring of the welding spot – sensitive to varnish residue, low electrode pressure or electrode contamination.

PROCESS RELIABILITY & TIME SAVING

Exact reproduction of any welding spot possible due to the built-in digital processor. The memory key recalls all preset parameters. Time and energy frequencies can be programmed according to set factory requirements. These frequencies can be preset exactly for any body and sheet strength.



NEW COMBINATIONS OF MATERIALS IN CAR ENGINEERING DETERMINE THE FUTURE OF AUTOBODY REPAIR SOLUTIONS.

"The welding spot must to be of the same quality as in the car production line." This binding criteria is the unique strength of the FAN **PROTON I / I+** Generation

PROTON I I+