

DURALOY



DURALOY Powder spray torch

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Powder spray torch for thermal spraying and remelting various materials on surfaces

The **Duraloy** powder spray torch adds strength by manually spraying thin protective films on surfaces and over edges.

Offers the addition of a high grade of coating to protect against abrasion, corrosion, erosion and cavitation that can be produced permanently and economically for low costs.

Metal powder are sprayed and melted into the surface by a gas/oxygen flame. Rockwell hardness ranging from 25-65 HRC are possible. Machining of material is possible post production.

The following basic materials can be coated:

Steel, Grey Iron, Spherpheroidas Graphite Iron, Annealed Cast Iron, Copper, and Brass

Highlights:

- §Modular design
- §Easy fit welding/heating attachments
- §Powder cartridges reduce set-up time
- §Easy to change in the field of application
- §Cost efficient by using standard components and standard spare parts
- §High level of operational safety
- §Easy usage for difficult to reach components
- §Tungsten Carbide inserts available for use with carbide powders (optional)
- §Quick action couplings according to EN 561 for the gas hoses
- §Accessories are easy to fit and to adjust
- §Cost efficient operating materials (Acetylene, Oxygen)

Options:

Carbide inserts, Safety devices,
Hose packages and Pressure regulators



Product range **DURALOY**

<u>Part number</u>	<u>Description</u>
5000-0060	Duraloy kit complete, boxed , DURALOY G3/8 LH-G3/8 RH includes - DURALOY torch with an assembled powder cartridge - welding insert sizes 1 - 5 - heating insert sizes 4 and 5 - Universal – jaw wrench - O-Ring set
5000-0006	Powder spray torch - Set, DURALOY Scope of delivery see 5000-0060 but torch connectors G1/4 RH-G3/8 LH
1414-0004	Welding/spray insert size 1
1414-0005	Welding/spray insert size 2
1414-0006	Welding/spray insert size 3
1414-0007	Welding/spray insert size 4
1414-0003	Welding/spray insert size 5
1414-0008	Heating insert Variobond size 4-A
1414-0001	Heating insert Variobond size 5-A
1408-0005	Torch DURALOY , connectors G3/8LH - G1/4RH
7136-7025	Powder cartridge – DURALOY (standard)
7136-7022	Connecting nut for heating attachment Variobond
7440-0421	O-Ring 4,47 x 1,78
7440-0601	O-Ring 11,1 x 1,78
7730-0009	Universal jaw wrench for welding/heating inserts



Options for Powder spray torch **DURALOY**

<u>Part numbers</u>	<u>Description</u>
1014-0045	Tungsten carbide insert for tip no. 2
1014-0046	Tungsten carbide insert for tip no. 3
1014-0047	Tungsten carbide insert for tip no. 4
1014-0048	Tungsten carbide insert for tip no. 5
0181-0182	Hose package AHPMY-O 5m G3/8LH-G1/4RH
3000-0064	DGN G3/8LH Flashback Arrestor EN 730 NV FA TV
3000-0065	DGN G1/4RH Flashback Arrestor EN 730 NV FA TV
6454-0068	FD89R Regulator Acetylene 1,5bar ISO2503
6454-0065	FD89R Regulator Oxygen 10 bar DIN8546

1014-0048





Haloy Powder

**Self-fluxing alloys for flame spraying
with simultaneous fusing**

Part nr.	Description	Grain size	Hardness index	Characteristics and areas of application
7760-0001	HALOY 2 NiBSi	-106+20µm	20-26 HRC	Anti-oxidation protection and bond coat in the case of hard finishing passes, easy to machine cut; valve cones, gearwheels, bearings, moulds in the glass industry
7760-0039	HALOY 3 NiBSi	-106+20µm	205-260 HV	Good resistance to corrosion and wear even at high operating temperatures; drawing dies, forging dies, tools in the plastic industry
7760-0028	HALOY 5 NiCrBSi	-106+20µm	38-42 HRC	Repair surfacing, high impact resistance; press moulds, bearing, pump vanes
7760-0080	HALOY 6 NiCrBSi	-106+20µm	50 HRC	Good resistance to corrosion and wear even at high operating temperatures; hard surfacing for valves, valve seats, impellers, guide rollers
7760-0011	HALOY 7 NiCrBSi	-106+20µm	55-60 HRC	Good resistance to corrosion and wear even at high operating temperatures; Pump rings, friction bearing surfaces, camshafts
7760-0007	HALOY8 NiCrBSi+WC	-106+20µm	60-65 HRC	High level of protection against abrasive wear,; slicing machine blades, conveyor chains, kneader parts
7760-0025	HALOY8SS NiCrBSi+WC	-106+20µm	60-65 HRC	Highest abrasion resistance; mixer-settler parts and kneaders in the ceramics industry, die drawing tools, chopping blades, scrapers
7760-0035	HALOY9SS NiCrBSi+WC	-75+20µm		
7760-0002	HALOY6315G NiCuBSi	-106+20µm	170-240 HV	Surfacing of grey cast iron, resistance to changes in temperature and excellent sea-water resistance
7760-0040	HALOY6320G NiBSi	-53+20µm	190-260 HV	Good wet ability and smooth surfaces; surfacing on cast parts, moulds in the glass industry; coating of edges
7760-0081	HALOY 06 CoNiCrBSiFeW	-106+20µm	40-45 HRC	Resistant to changes in temperature, impact and corrosion; valve seats, knife edges, shears and scissor blades, hot punching tools
7760-0082	HALOY 2321 NiCrBSi	-71+20µm	35 HRC	Good resistance to corrosion and oxidation at raised temperatures; surfacing of glass moulds, pressing moulds

