

Pressurised Ice blasting system

### Standard accessories:

- Grease for nozzle threads
- Flat jet nozzle
- Flat wrench (for nozzle change) 2 piece
- Blasting hose with electrical control wire and quick couplers
- Blasting gun (ergonomic & save)
- Dry Ice output is adjustable directly on the blasting gun
- Air Pressure is adjustable directly on the blasting gun
- Switch for "air only" or "ice and air"
- Electronic control
- With integrated earth wire rewinder
- Oil and water separator
- Tool bag



**Order number: 1.574-002.0**

### Technical data

Connected load	0.6
Compressed-air connection	Claw Coupling (DIN3238)
Housing / frame	Stainless steel (1.4301)
Length of cord access. (m)	7
Air pressure (bar/MPa)	2-10/0.2-1
Quality of air	dry & oil free
Air flow (m <sup>3</sup> /min)	0.5-3.5
Sound pressure level (dB(A))	99
Dry ice capacity (kg)	18
Dry ice pellets (diameter) (mm)	3
Dry ice consumption (kg/h)	15-50
Weight without access. (kg)	70
Dimensions (L x W x H) (mm)	768x510x1100

## Data8ls

### Description

Kärcher's original ice blasting machine, the IB 15/80, is designed for high-performance cleaning and restoration of a wide variety of objects and surfaces. The new, lighter and more compact IB 7/40 offers many of the benefits of the larger machine but can run from a much smaller compressed air supply, therefore making it ideal for use with in-house compressed air systems. Kärcher's dry ice blasting technology is a non aggressive but thorough method of cleaning tools, moulds, surfaces and machines with a minimum of downtime. The dry ice pellets are injected into a jet of compressed air, accelerated to speeds in excess of 150 m/s and the fired at the surface to be cleaned. The abrupt cooling of the surface causes a thermal shock and produces fine cracks in the top layer. The dry ice penetrates these cracks, lift the contaminant from the surface and return to the atmosphere as CO gas leaving only the contaminant behind. Ice blasting uses no chemicals, leaves no wastewater, is environmentally friendly and can be used in areas where cleaning with water is prohibited or inconvenient.

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### Application

- Adhesives and waxes
  - Binding and parting agents
  - Silicone and rubber residue
  - Tar and bitumen
  - Paints and lacquers
  - Oils and greases
  - Resins and chewing gum
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### Features & Benefits

- No dampness
  - No waste water
  - Non abrasive
  - Environmentally friendly
  - No disassembly of equipment or machinery
  - Only the contaminant to pick up
  - No chemicals required
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## Accessories

### Blasting gun

#### Blasting gun - Advanced

Ergonomic & lightweight blasting gun with safety device against accidental use. Because of its compact design the blasting gun is very lightweight and handy. The advanced blasting gun has an integrated remote control to adjust the blasting pressure and the dry ice output directly on the blasting gun. Furthermore there is a button to choose between "air & ice" or "only air".



**Order number 4.775-785.0**

#### Blasting gun - Classic

Ergonomic & lightweight blasting gun with safety device against accidental use. Because of its compact design the blasting gun is very lightweight and handy.



**Order number 4.775-794.0**

### Blasting hose, compressed air hose

#### Blasting hose

5 m long blasting hose with electrical control wire and quick coupler, non marking casing, silicone free (inside-diameter: 1/2 inch)



**Order number 4.013-042.0**

#### Air hose (10 m)

1 Inch

**Order number 6.390-284.0**



#### Air hose (20 m)

1 Inch

**Order number 6.390-285.0**



## Blasting hose, compressed air hose

### Protection foil for IB blasting hoses, 100m

100m-roll of tube foil. To protect the blasting hose against dirt as well as against damage.

**Order number 6.667-214.0**



## Blasting nozzles

### Flat jet nozzle

Flat jet nozzle with optimized nozzle design. Great cleaning result and high area performance.

**Order number 4.130-423.0**



### Flat jet nozzle insert, 6 mm

Nozzle insert to regulate the air flow rate.

**Order number 4.130-421.0**



### Fan jet blasting nozzle insert, 8 mm

Nozzle insert to regulate the air flow rate.

**Order number 4.130-420.0**



### Flat jet nozzle insert, 10 mm

Nozzle insert to regulate the air flow rate.

**Order number 4.130-422.0**



## Blasting nozzles

### Round jet nozzle, small

Very compact and handy, aggressive round jet nozzle for small areas, low air consumption.

**Order number 4.130-418.0**



### Round blasting nozzle, large

Very compact and handy, aggressive round jet nozzle for midsize areas, higher air consumption.

**Order number 4.130-419.0**



## Low pressure - blasting nozzles

### Flat jet nozzle, long

Highest efficiency and a low noise level are the result of our optimized nozzle design. Great cleaning results and high area performance.

**Order number 4.321-235.0**



### Flat jet nozzle, short

Highest efficiency and a low noise level are the result of our optimized nozzle design. Very short nozzle to blast in narrow areas.

**Order number 4.321-237.0**



### Round jet nozzle, long

Highest efficiency and a low noise level are the result of our optimized nozzle design. Very short nozzle to blast in narrow areas.

**Order number 4.321-236.0**



## Low pressure - blasting nozzles

### Round jet nozzle, long

Highest efficiency and a low noise level are the result of our optimized nozzle design. Very aggressive for stubborn contaminations.

**Order number 4.321-234.0**



### Angled round jet nozzle, 90°

Angled nozzle redirect the jet. Ideal to clean injection moulds.

**Order number 4.321-249.0**



### Angled flat jet nozzle, 90°

Angled nozzle redirect the jet. Ideal to clean injection moulds.

**Order number 4.321-250.0**



### Mini angled nozzle, 90°

Mini angled nozzle for narrow areas. Redirect the blasting jet 90°. Overhanging: 63 mm, Length: 240 mm. The set consist of 4 parts: 1 x Cap nut 1 x Extension, 100 mm (5.321-971.0) 1 x Angle, 90° (5.321-973.0) 1 x Nozzle (5.321-977.0) There can be mounted as many extensions as needed. The angle and the nozzle can be ordered separately.

**Order number 4.321-259.0**



### Mini angled nozzle, 60°

Mini angled nozzle for narrow areas. Redirect the blasting jet 60°. Overhanging: 57 mm, Length: 260 mm. The set consist of 4 parts: 1 x Cap nut 1 x Extension, 100 mm (5.321-971.0) 1 x Angle, 60° (5.321-972.0) 1 x Nozzle (5.321-977.0) There can be mounted as many extensions as needed. The angle and the nozzle can be ordered separately.

**Order number 4.321-261.0**



### Extension, 100 mm

100 mm Extension for Mini angled nozzles (60°, 90°, 135°)

**Order number 5.321-971.0**



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## Low pressure - blasting nozzles

### Angle, 90°

90° angle for all Mini angled nozzles.

Order number 5.321-973.0



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### Angle, 60°

60° angle for all Mini angled nozzles.

Order number 5.321-972.0



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### Replacement nozzle

Nozzle piece for all Mini angled nozzles.

Order number 5.321-977.0



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### Adapter gerade Winkeldüse

Order number 5.321-992.0



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### Nozzle hollow

Order number 4.321-989.0



## Mounting kits and other accessories

### Earth wire rewinder

Automatic electrostatic discharge wire with approximately 6 m wire and powerful clamp. The earth wire effectively prevents electrostatic charge of the cleaning object during ice blasting and with that sparks between object and nozzle. The earthing of the cleaning object is done over the grounding conductor of the Ice Blaster.



**Order number 2.641-741.0**

### Shovel

Used for filling the machine with dry ice pellets

**Order number 4.321-198.0**



### Box dry ice 35l

**Order number 5.574-054.0**



### Dry ice box, 100kg

Robust box made of EPP (expanded polypropylen) for storage and for transportation of dry ice pellets. The box is extremely robust and has very good insulation properties. This ensures fresh dry ice all the time.

**Order number 5.574-053.0**



### Y-Adapter f\_r Luftanschluss

**Order number 2.641-880.0**





## Nozzle accessories

### Open-end wrench

Open-end wrench for mounting nozzles (2 pcs required)

**Order number 7.815-009.0**



### Grease for nozzle thread

The threads of the blasting nozzles must be regularly treated with this silicone-free grease.

**Order number 6.288-088.0**



### Scrambler

The innovative scrambler patented by Kärcher is mounted between the trigger gun and blasting nozzle, and it breaks up the 3 mm dry ice pellets into fine particles. This makes it possible to clean very sensitive surfaces. The strength of the breaking up of the pellets can be set to any one of three different levels.

**Order number 4.110-015.0**



### Nozzle extension

300 mm nozzle extension

**Order number 4.760-658.0**



### Handle IB 7/40

Handle to mount on the nozzle extension. For easy two handed working.

**Order number 4.321-248.0**



### Angled blasting tube 90°

90° angled blasting tube that can be used in combination with all available nozzles. Additionally the connector 4.130-425.0 is required.

**Order number 4.321-203.0**



## Nozzle accessories

### Angled blasting tube 105°

105° angled blasting tube that can be used in combination with all available nozzles. Additionally the connector 4.130-425.0 is required.

Order number 4.321-204.0



### Adapter for angled blasting lances / flat jet nozzle insert, 14 mm

Necessary to connect all available angled tubes. Can also be used as flat jet nozzle insert (14 mm).

Order number 4.130-425.0



### Nozzle lightning for IB 7/40

Nozzle lightning to screw onto the blasting gun. To illuminate the working area.

Order number 2.815-421.0



## Protective equipment

### Safety glasses

Order number 6.321-208.0



### Protective gloves

Order number 6.321-210.0



Dry ice blasters

# IB 7/40 Advanced



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## Protective equipment

### Ear muffs

Order number 6.321-207.0

