SPCH/080003

Impact cylinder Ø 100mm
Energy 125 Joule at 7.5 bar

Rugged and compact design

Adjustable impact energy

Fail safe function

External monitoring of striker condition

Optional active feedback to confirm correct operation

Suitable for applications such as removal of blast furnace slag

Technical data

Medium:
Compressed air, filtered (40µm), lubricated or non-lubricated

Operating pressure:
1 to 7.5 bar

Operating temperature:
-20°C to +80°C

Medium temperature:
-20°C to +60°C

Energy:
Adjustable to 125 Joule (see diagram page 2)

Port size:
G 3/8

Mounting position:
Any orientation

Life expectancy:
Consult our Technical Service

Weight:
10.8 kg

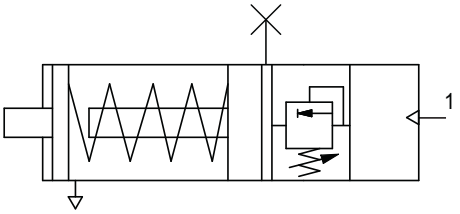
Materials:

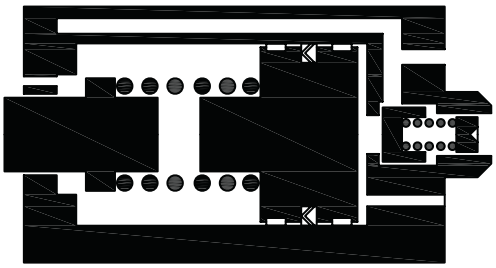
Tube: anodised aluminium
Piston: stainless steel 1.4021
Striker pin: stainless steel 1.4021
End covers: anodised aluminium
Piston seals: PUR
Striker pin seals: Viton
Other seals: NBR

Ordering example

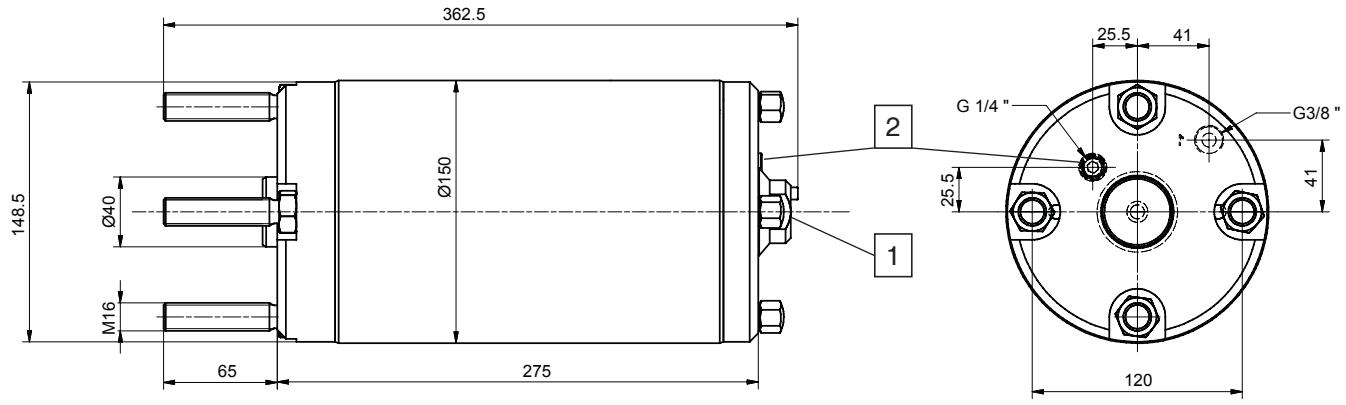
Cylinder
Quote: **SPCH/080003**

Fitting
Elbow Banjo G3/8, 10mm tube
Quote: **10A511038**





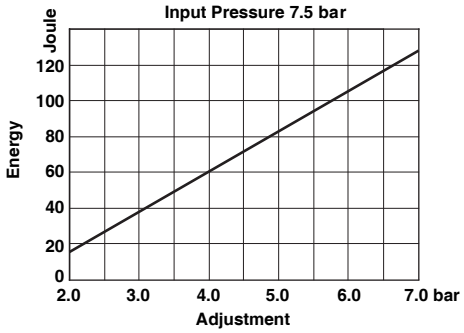
Dimensions



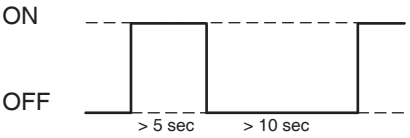
1 **Impact Energy Adjustment.**

2 **G 1/4 port for active feedback with pressure switch.**

Energy Adjustment



Operating Frequency



For Life expectancy, please consult our Technical Service

Recommended Fittings

Tube O/D	Elbow Banjo	Elbow Adapter
8 mm	10A510838	431450838
10 mm	10A511038	431451038
12 mm		431451238

Accessories

Dip gauge stick
SPCH/080014

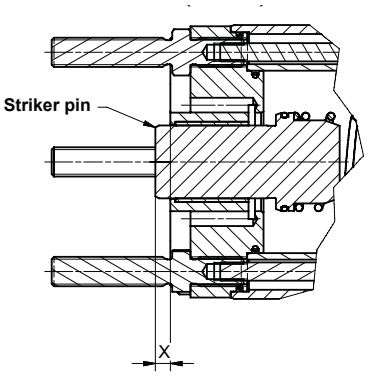
Service Kit

SPCH/080003/00

Caution:

Do not operate the cylinder without a force load on striker pin. User must ensure that system is desigend to avoid a non loaded operation of cylinder.

To transfer impact energy the striker pin must be pushed in 5mm to max 23mm (see dimension ´X).



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **'Technical Data'.**

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.