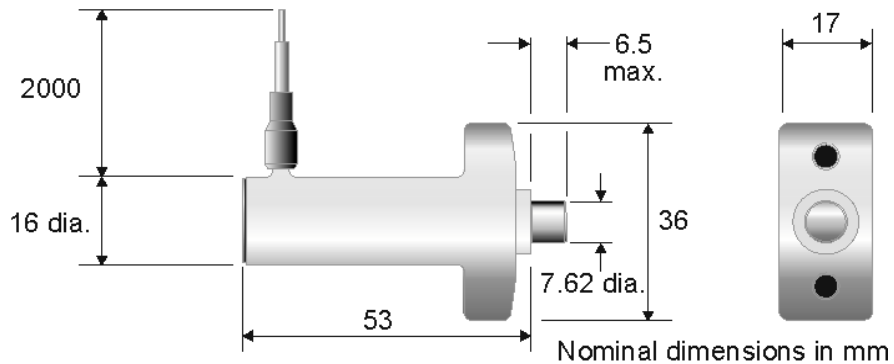


Leaffield

Engineering Limited



RETRACTOR D96-090

GENERAL DATA

Stroke	6.5mm max.
Piston diameter	2.5mm
Weight	115g (approx.) including lead
Materials	Steel body to BS 25143
Operating temperature	-45 °C to +100 °C (time limits to be specified above +80 °C)
Storage temperature	-30 °C to +70 °C
Life (20°C)	10 years
HSE classification	Non-explosive
Transport	Normal parcel post

PERFORMANCE

Maximum piston side load	1500N
Function time	15ms
Maximum axial load	50N (higher loads will force piston back prematurely)

ELECTRICAL CHARACTERISTICS

Resistance (across leads)	2.25 Ω
Maximum no fire current	0.2A
Minimum fire current	0.37A
Recommended fire current	0.9A
Maximum test current	0.01A
Insulation	≥ 100 M Ω at 100 VDC

Note: This device can be modified to comply with customer requirements

Leaffield Engineering Limited

Design, Manufacture & Through Life Support Specialists

Leaffield Way, Leaffield, Corsham, Wiltshire SN13 9SS
Telephone: 01225 810771 Fax: 01225 810614



REF NO: 1021

SHT 1 OF 3

ISSUE NO: 1

ISSUE DATE:

PRODUCT SAFETY DATA SHEET

1. PRODUCT NOMENCLATURE

RETRACTOR, D96-090

2. USES

Used to release a linear or rotary device.

3. HAZARDOUS INGREDIENTS

<u>Material</u>	<u>Hazard</u>	<u>Nominal Mass Per Unit</u>
PROPELLANT	Deflagration	100 mg max.

Note: Deflagration effects are totally contained within the body.

4. PHYSICAL PROPERTIES: CHEMICAL PROPERTIES, SENSITIVENESS CHARACTERISTICS

Physical Properties

Appearance Stainless Steel body to BS 2S.143.
Hazardous material contained within steel body with end closure to fully seal.

Chemical Properties

Incompatible with acids and alkalis.

Sensitiveness Characteristics

Sensitive to flame may burn to cause operation.

Conditions to avoid: open flame, electric spark, or charge exceeding the specified no-fire current, prolonged exposure to temperatures above 125°C.

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REG. No. FM 29682

SHT 2 OF 3

5. HEALTH HAZARDS

Precautions

- 5.1 Slight hazard may result if an attempt is made to tamper with or dismantle these devices before or after operation.

Hazard resulting from inadvertent operation caused by rapid movement of retracting shaft.

- 5.2 Inadvertent operation will result in the shaft retracting rapidly back into the body causing a low risk to personnel safety but component will be lost.

6. FIRE AND EXPLOSION

These devices will operate in the presence of excessive heat, typically above 125°.

Hazard decomposition: None. No outgassing produced.

7. STORAGE PRECAUTIONS

Store in original packaging in well ventilated, dry store.

Storage life in original packaging is 10 years under ideal temperature conditions (20°C).

8. TRANSPORT, PACKAGING AND LABELLING

These items are classified non-explosive and as such no special precautions are required for transport, packaging and labelling. Transport is by normal parcel post.

9. PROTECTION INFORMATION

Eye protection during installation.

10. DISPOSAL INSTRUCTIONS

Used or life expired devices, may be returned to Leaffield Engineering Limited for disposal.

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SHT 3 OF 3

11. EMERGENCY ACTION

Fire represents the principal risk to safety due to the likelihood of operation. If possible and without risk to safety the devices should be removed from the immediate location of a fire.

If the packaging is burning, do not attempt to fight fire.

Call emergency services. Evacuate the immediate area.

12. ADDITIONAL INFORMATION

Refer to Leaffield Engineering Limited
Tel: 01225 810771

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