

# Fire Fighting Equipment

- Fireman's Suit
- Fire Fighting Accessories
- Fire Extinguishers
- Fire Hoses & Relevant Equipment
- Fire Blankets
- Breathing Apparatus

# Fireman's Suit

#### LALIZAS Antipiros Fireman's Suit Set, SOLAS/MED, EN469:2020

The complete set includes SOLAS/MED approved:

- Jacket & trousers
- Helmet (1 pc)
- Boots (1 pair)
- Gloves (1 pair)

Code	Size
75180	L
75181	XL



All the above are provided in a **Carrying Bag** 

### LALIZAS Antipiros Fireman's Jacket & Trousers, SOLAS/MED, EN469:2020

- LEVEL 2 according to new testing standard EN469:2020 | Provides the highest protection levels in thermal performance (contact heat - heat transfer), water penetration and water vapor resistance
- Made of three different layers\* for excellent thermal protection and endurance
- Navy blue colour with reflective trim
- Flame retardant reflective tapes are arranged at the circumference of the jacket, hem, sleeve cuff and bottom of trousers to ensure visibility and work safety of firefighter
- Extra layers for abrasion resistance in neck, elbows and knees
- Stand-up collar, with overlapping closure
- · Front flame retardant zipper lockable with velcro tape
- DRD lifesaving drag belt included
- Cuff with rib thumb hole
- Velcro strap at waist and waistband adjustment loop on trousers.
- Detachable and adjustable suspender with velcro hook and loop fastener for excellent fit and comfort
- All pockets are specially designed in accordance with shape features and usage habit of firefighter. External pockets can extend over 10mm and can be fastened shut. Radio pockets included
- Drain hole in the bottom of the pockets to reduce damage to equipment caused by water during firefighter duties



- 1<sup>st</sup> Layer, Outer fabric: Ripstop Nomex Kevlar Material, 210gsm
   2<sup>nd</sup> Layer, Moisture barrier fabric: Aramid and PTFE Material, 160gsm
   3<sup>rd</sup> Layer Thermal lining fabric: Nomex and FR Viscose, 180gsm
- **Specified Testing Standards:** EN ISO 13688:2013, EN 469:2020, SOLAS 74 Reg. II-2/10, SOLAS 74 Reg. X/3, IMO Res. MSC.98(73) - (FSS Code) 3, IMO Res. MSC.36(63) - (1994 HSC Code) 7, IMO Res. MSC.97(73) - (2000 HSC Code) 7

2 **LALIZAS** LifeSaving

Code	75182	75183
Size	L	XL
Height (cm)	185	195
Chest Girth (cm)	136	144
Tolerance Range (cm)	±1.5	±2.0





# Fireman's Suit



Provides high level of protection, simple in use and extremely lightweight.

Fireman's Helmet, SOLAS/MED

- Interior padding easily replaceable and washable
- Integrated adjustment system (52–64 cm)
- "Push to release" button
- Anti-scratch and anti-fog coated external visor
- Reflective tape
- Neck protector (aluminised fibre)
- 3-point chinstrap

Specified Testing Standards: EN 443 & EN14458

- Electrical insulation capacity E2
- Chemical resistance
- Extreme temperature resistance (up to 1.000 °C in a 10 second flash over flames)
- Long-term temperature resistance (radiant heat test 14 kW/m<sup>2</sup>)
- High resistance to mechanical impacts
- Low-temperature classification 30°C



# LALIZAS Antipiros Fireman's Gloves, SOLAS/MED

- Four different layers for extra safety provide thermal, chemical, penetration and cut protection
- Ergonomic design facilitates firefighting works execution
- · Reflective stripes for visibility

**Specified Testing Standards:** EN659 & A1





### Fireman's Boots, SOLAS/MED

Recommended for structural fire fighting, general fire rescue & bush fire fighting. Made of Vulcanized Rubber (upper part and sole) and woven cotton canvas for extra comfort.

#### Sole/Heel

- · Flame-retardant rubber outsole
- Fuel oil resistant
- Slip-resistant
- Excellent abrasion resistance
- Catered to enter high temperature
- Cold insulation
- Steel midsole

#### Specified Testing Standards:

EN 15090 & EN ISO 20345

#### **Upper construction**

- · Flame-retardant upper part with heat
- insulation
- Waterproof
- High visibility with black and yellow contrast
- · Acids and alkalis resistant
- Metal toecap

#### **Other Approvals:**

AS/NZS 4821 & CSA Z195-09 / ASTM F 2413-11

 Code
 Size

 73667
 43-44

 74297
 45-46

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# **Fire Fighting Accessories**

### Fireman Fire Hood, Fireproof Category III

- Manufactured to protect the user's head, neck and shoulders from fire and harmful effects of heat (incl. radiant & convective heat)
- Breathable, lightweight & soft material that makes it easily adaptable to the user's body
- Can be used easily with fireman helmet and SCBA mask
- Made of double-layer knitted fabric, can be easily worn and removed due to fabric elasticity, without restricting the user's motions
- Preserves its safety features after being washed (following the instructions of the care label/user information guide)
- · Composition: 50% Aramid, 49% Viscose FR, 1% Antistatic

Specified Testing Standards: EN 13911 & EN 1149

### Fireman Belt with Restraint Lanyard

Enables the user to work while supported by personal fall protection equipment under tension, preventing the risk of free fall (work positioning belt). An integrated restraint lanyard at one end can be connected to an anchor point or to a structure, with the lanyard encircled, or directly, and thus supporting the user in tension.

A belt is suitable for a user, including tools and equipment, with weight up to 140kg.

- Ergonomic polyester padding
- Waistline circumference: 85-120 cm
- Size adjustment (from M to XL)
- Automatic connecting buckle
- Lateral work positioning attachment D-rings (EN 358)

#### Specified Testing Standards: EN 358

- Tool D-rings for hand tool weights up to 2 kg
- Integrated restraint lanyard
- Restraint lanyard connector (EN 362)
- Belt & lanyard can sustain a force 15kN
- Corrosion-resistant metallic components
- Identification label



Code

74883

Code

74583

CE

(F

#### Fireman Belt, Heavy Duty, with Safety Line L0,9m

Serves as a means of restraint and is designed to complement equipment that provides protection against falls from heights while working. It is also a perfect match to fireproof lifeline SOLAS/MED (code: 72707), helping to prevent detachment of breathing apparatus when the lifeline is in use and connected to it. Constructed from durable and resistant materials, the belt offers comfort to the user and can support weight up to 150 kg, including tools and equipment.

- Polyester webbing
- Leather reinforcement on polyester strap
- Waistline circumference: 86-106 cm
- Size adjustment (from M to XL)
- Width: 85mm
- Belt regulating/connecting buckle
- Side attachment D-ring
- Detachable polyamide safety line (EN 354)

#### Specified Testing Standards: EN 358

- Safety line leather sleeve protection
- Detachable connector with screwlink locking nut (EN 362)
- Carabiner hook (EN 362)
- Corrosion-resistant metallic components
- Weight: 860g
- Identification label

# **Fire Fighting Accessories**

### LALIZAS Fireman Axe with Long Wooden Handle

This long fireman's axe is the ideal tool for demolition work.

#### It features:

High carbon steel blade12cm cutting edge

Overall length: 90cmWeight: 2,3kg

- Pick spike for piercing and prying
   Weeden ash handle
  - Wooden ash handle
  - Rubber protective blade cover



#### LALIZAS Fireman Axe with Short Anti Slip Handle

This short fireman's axe provides heavy-duty chopping power to gain access to locked doors and hollow walls during an emergency.

#### It features:

High carbon steel blade

9cm cutting edge

Weight: 1,3kg

Overall length: 34cm

- Pick spike for piercing and prying
- Anti-slip handle
- Rubber protective blade cover





#### **LALIZAS Holster for Fireman Axe**

Synthetic leather cover for carrying a fireman axe safely on the belt.

- No restriction on movements
- · Made out of one piece of leather, which reduces seams
- · Solid metal rivets placed to hold the holster together
- Metal snap for easy on/off action
- Fits perfectly LALIZAS Fireman Axe with Short Anti Slip Handle 1,2kg (code 71686)
- Can be attached to Fireman Belt, with Restraint Lanyard, M-XL (85-120cm), EN358, CE (code 74583) or Fireman Belt, Heavy Duty, with Safety Line L0,9m, CE (code 74582)



Code

74584

Lifeline, Fireproof with Hook, 5mmx30m, SOLAS/MED





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# **Fire Extinguishers**

LALIZAS range of portable Fire Extinguishers, specially designed for the marine sector, provides additional protection from environmental induce, high fire protection effectiveness due to reinforced extinguishing ability and simplicity in application.

Easy to use

#### Other features:

- Large diameter of the safety pin ensures an easy grip even with work gloves
- Seamless cylinder production technology facilitates avoidance of weakening points, enhances tightness and pressure resistance
- Shock-proof pressure gauge facilitates accurate indication of pressure status C E 🛞 BB **Portable Range** 704431 704441 704451 704461 400691 474621 499521 <u>EN, IT, GR</u> <u>EN, ES, HR</u> Code / 704432 704442 704452 704462 400692 474622 499522 Language EN, FR, DE 704433 704443 704453 704463 400693 474623 499523 ΕN 45493 Label EN, GR, ES 72744 1 KG 2 KG 3 KG 6 KG 9 KG 12 KG 9 L 2 KG 5 KG Capacity Extinguishing **Dry Powder** CO, Foam agent Aluminium Body Aluminium alloy Steel Steel alloy 5A 34B C 13A 89B C 13A 89B C 34A 233B C 43A 233B C 55A 233B C 27A 233B 34B 89B Technical Fire Ratings Data Dimentions 82x295 108x378 130x385 160x520 190x545 190x635 180x615 104x570 136x743 (mm) 12,50 11,50 6,34 13,90 Weight (kg) 1.26 2.55 4.60 8,60 17,50 Corrosion resistant, Corrosion Corroison resistant. Corrosion resistant, resistant, Special Corrosion resistant, with shock-proof Corrosion with with brass with with brass valve and bursting Features pressure gauge shock-proof valve and resistant reinforced disk pressure pressure rubber hose gauge gauge Wall bracket Stainless Wall bracket for vertical mounting Base steel wire for vertical bracket, mounting Polypropylene front horn Plastic bracket for vehicle & Accessories mounting in marine use Rubber hose horizontal Hose & Rubber Hose & Nozzle Spray nozzle & polyamide hose, nozzle or vertical nozzle nozzle horn position

### Wheeled Range

#### Easy to transport



Fire		Type of	Fire		
Extinguisher Type	Solids (wood, paper, cloth, etc)	Flammable liquids	Flammable Gases	Electrical equipment	Oils & fats
Dry Powder	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Foam	$\checkmark$	$\checkmark$	X	X	$\checkmark$
CO2	X	$\checkmark$	X	$\checkmark$	$\checkmark$



Combustibles





Flammable gases, Energized electrical equipment

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# **Fire Extinguishers**

### Marine Brackets for LALIZAS Fire Extinguishers

With unique design which facilitates the fire extinguisher to stay steady even in harsh sea conditions.

- Heavy duty (made of metal components)
- Suitable for vertical mounting
- Easy to install
- Includes adjustable stainless steel belt for extra security & quick release

Code	For LALIZAS Fire Extinguishers	Cylinder Diameter (mm)
73646	Dry Powder 6kg	160
73647	Dry Powder 9kg	190
73648	Foam 9lt	180
73649	CO <sub>2</sub> 5kg	136



# **Fire Blankets**

### LALIZAS Fire Blanket in PVC Case



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The fire blankets are essential in high-risk areas, such as the kitchen.

The offered models are 100x100cm and 120x180cm and supplied in a rigid case, with instructions printed on the top.

Specified Testing Standards: EN 1869

Code	Dimension (cm)
70448	100x100
71298	120x180

Silicone coated

# **Fire Blankets**

#### Fire Blanket for Electric Vehicles, Fiberglass





• Made of 100% e-glass fiberglass with silicone coating on both sides, that can withstand high temperatures

- · Isolates flames, smoke and toxic fumes within seconds
- Suitable for fossil fuel cars and electric/hybrid cars up to SUV size
- Suggested precautionary use on electric/hybrid cars
- Reusable
- · Waterproof backpack with handles for easy carrying
- Handling loops on four corners for easy use

Specified Testing Standards: EN13501-1, NFPA 701



Code	75397
Size	6 x 9 m (54 m²)
Material	100% e-glass fiberglass with slicone coating on both sides
Sewing Thread	Aramid Steel
Weight	29 kg
Max Instant Temperature/ Soften Point	1100°C
Working Temperature (Continuous)/ Withstand	550°C





#### Fire Hoses

Circular woven jacket made of 100% high tenacity polyester yarn with an inner EPDM\* or PVC lining.

- Dimensions commonly used within the commercial marine market: 15 m, 20 m, 25 m, 30 m
- Also available in 60 m roll
- Available in the most common hose diameters:

**EPDM** Linina

1 -1/2", 1 -3/4", 2", 2-1/2"

- Excellent resistance to seawater, hydrolysis, rot & mildew
- Lightweight & compact
- Extremely low friction loss for maximum flow
- Highly resistant to most chemicals & petrol products
- \* EPDM lining suggested if exposure to very low temperatures & UV for a longer shelf life.

### Fire Hoses, with Couplings



• Fire Hoses SOLAS/MED approved

Max. working pressure 15 Bar



**PVC** Linina

Code	Inner Diam (inch/mm)	Coupling	Length (m)	SOLAS/MED approved	Code	Inner Diam (inch/mm)	Coupling	Length (m)	SOLAS/MED approved
71698 71699 72499	1,5"/ 38	Storz 38 Brass	15 20 25	Yes	75322 75321 75323	1,5"/ 38	Storz 38 Brass	15 20 25	Yes
71705 71706 71707 74460	2" / 52	Storz 50 Brass	15 20 25 30	Yes	75324 75325 75326 75327	2" / 52	Storz 50 Brass	15 20 25 30	Yes
71711 71712 71713 74461	2,5" / 64	Storz 65 Brass	15 20 25 30	Not applicable	75118 75119 75120 75121	2" / 52	Storz 50 Aluminium	15 20 25 30	Yes
72500 72501 72502 72503	1,5"/ 38	Nakajima 38 Brass	15 20 25 15	Yes	75328 75329 75330 75331	2,5" / 64	Storz 65 Brass	15 20 25 30	Not applicable
72504 72505 74462	2" / 52	Nakajima 50 Brass	20 25 30	Yes	75332 75333 75334	1,5"/ 38	Nakajima 38 Brass	15 20 25	Yes
72506 72507 72508 74463	2,5" / 64	Nakajima 65 Brass	15 20 25 30	Not applicable	75335 75336 75337 75338	2" / 52	Nakajima 50 Brass	15 20 25 30	Yes
74464 74465 74466 74467	1,5"/ 38	Barcelona 45 Aluminium	15 20 25 15	Yes	75122 75196 75197 75198	2" / 52	Nakajima 50 Aluminium	15 20 25 30	Yes
74467 74468 74469 74470 74475	1 3/4"/ 45	Barcelona 45 Aluminium	20 25 30 15	Yes	75339 75340 75341 75342	2,5" / 64	Nakajima 65 Brass	30 15 20 25 30	Not applicable
74476 74477 74478	2,5" / 64	Barcelona 70 Aluminium	20 25 30	Not applicable	75343 75344 75345	1,5"/ 38	Barcelona 45 Aluminium	15 20 25	Yes
74479 74480 74481 74482	1 3/4"/ 45	UNI 45 Brass	15 20 25 30	Yes	75346 75347 75348 75349	1 3/4"/ 45	Barcelona 45 Aluminium	15 20 25 30	Yes
					75354 75355 75356 75357	2,5" / 64	Barcelona 70 Aluminium	15 20 25 30	Not applicable
					75358 75359 75360 75361	1 3/4"/ 45	UNI 45 Brass	15 20 25 30	Yes

\*NOTE: Fire Hoses with 2,5"inch/64mm Inner Diameter, which are marked as "Not applicable", are not under the provisions of MED Directive.

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#### **Fire Hoses**



### **EPDM** Lining

Code	Inner Diam (inch/mm)	Length (m)	SOLAS/MED approved
72509	1,5"/ 38	15	Yes
72510	1,5"/ 38	20	Yes
72511	1,5"/ 38	25	Yes
74485	1 3/4" / 45	15	Yes
74486	1 3/4" / 45	20	Yes
74487	1 3/4" / 45	25	Yes
74488	1 3/4" / 45	30	Yes
72512	2" / 52	15	Yes
72513	2" / 52	20	Yes
72514	2" / 52	25	Yes
74484	2" / 52	60	Yes
72515	2,5" / 64	15	Not applicable
72516	2,5" / 64	20	Not applicable
72517	2,5" / 64	25	Not applicable
74483	2,5" / 64	60	Not applicable

72522

Storz 65 Brass

### **PVC Lining**

Code	Inner Diam (inch/mm)	Length (m)	SOLAS/MED approved
75310	1,5"/ 38	15	Yes
75311	1,5"/ 38	20	Yes
75312	1,5"/ 38	25	Yes
75306	1 3/4" / 45	15	Yes
75307	1 3/4" / 45	20	Yes
75308	1 3/4" / 45	25	Yes
75309	1 3/4" / 45	30	Yes
75313	2" / 52	15	Yes
75314	2" / 52	20	Yes
75315	2" / 52	25	Yes
75316	2" / 52	60	Yes
75317	2,5" / 64	15	Not applicable
75318	2,5" / 64	20	Not applicable
75319	2,5" / 64	25	Not applicable
75320	2,5" / 64	60	Not applicable

\*NOTE: Fire Hoses with 2,5"inch/64mm Inner Diameter, which are marked as "Not applicable", are not under the provisions of MED Directive.



Nakajima 65 Brass

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11

72523

### Fog Nozzles, 3 position



Storz

Nakajima

Code	Fog Nozzle	
72524	Storz 38 Brass	
72526	Storz 50 Brass	
72528	Storz 65 Brass	
72525	Nakajima 38 Brass	
72527	Nakajima 50 Brass	
72529	Nakajima 65 Brass	
74513	UNI 45 Brass	

#### Blank Caps & Chain



### Jet/ Spray Nozzle 3 position, with Male Inlet BSP 2", SOLAS/MED



Code	Outlet Opening (mm)
75069	12
75070	16
75071	19

### LALIZAS Adapter Fire Hose Coupling, with Female Thread 2" BSP



 Code
 Coupling

 75108
 Storz 50 Aluminium



Storz

Code	Coupling
75072	Storz 38 Brass
75076	Storz 50 Brass
75080	Storz 65 Brass

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Nakajima

CodeCoupling75112Nakajima 50 Aluminium



Nakajima

Code	Coupling
75084	Nakajima 38 Brass
75088	Nakajima 50 Brass
75092	Nakajima 65 Brass



Barcelona

Code	Coupling
75096	Barcelona 45 Aluminium
75100	Barcelona 70 Aluminium



Code	Coupling
75104	UNI 45 Brass

12

### Jet/ Spray Nozzle 3 position, with Adapter, SOLAS/MED, Set



Code	Outlet Opening (mm)	Adapter	
75073	12	Oto == 20	
75074	16	Storz 38 Brass	
75075	19	DI035	
75077	12	Storm E0	
75078	16	Storz 50 Brass	
75079	19		

#### With Adapter Storz

Code	Outlet Opening (mm)	Adapter
75109	12	Ctore 50
75110	16	Storz 50
75111	19	Aluminium
75081	12	Charm CE
75082	16	Storz 65 Brass
75083	19	01055



Code	Outlet Opening (mm)	Adapter	
75085	12	Nakaiima 20	
75086	16	Nakajima 38 Brass	
75087	19	DIdSS	
75089	12	Nakaiima 50	
75090	16	Nakajima 50 Brass	
75091	19		

#### With Adapter Nakajima

Code	Outlet Opening (mm)	Adapter	
75113	12	Nakajima E0	
75114	16	Nakajima 50 Aluminium	
75115	19	Aluminium	
75093	12	Neksiine CE	
75094	16	Nakajima 65 Brass	
75095	19	DIASS	



With Adapter Barcelona			
Code	Outlet Opening (mm)	Adapter	
75097	12	Deveolence 45	
75098	16	Barcelona 45 Aluminium	
75099	19	Aluminium	
75101	12	Demolene 70	
75102	16	Barcelona 70 Aluminium	
75103	19		

#### With Adapter UNI

Code	Outlet Opening (mm)	Adapter
75105	12	
75106	16	UNI 45 Brass
75107	19	

Code	Gasket
74493	Nakajima, 38 mm
74494	Nakajima, 50 mm
74495	Nakajima, 65 mm
74496	Storz, 38 mm
74497	Storz, 50 mm
74498	Storz, 65 mm

Code	Gasket
74499	UNI 45
74500	Barcelona 45
74501	Barcelona 70



Code	Spanner
74514	For Storz Couplings up to 3"

# **Breathing Apparatus**

### Emergency Evacuation Breathing Device / EEBD "ESCAPE-15"

- Full-face hood universal size, suitable for every face shape
- Durable, elastic and non-irritant neoprene neck seal
- 15 min. steady air-flow with sufficient air-delivery rate
- EU standard valve with G 5/8" charging thread
- Flame resistance
- Activated with a single move



- · Easy visual access on the pressure gauge
- Durable & reliable construction with low maintenance
- Silver colour to reflect heat and be highly visible (70321)
- · Easy to refill cylinder (no adaptor required)
- Available option with carbon composite cylinder upon request (703211)
- Shelf life is 10 years, or 15 years (for carbon composite cylinder), from the date of the cylinder's manufacture
- An alarm whistle sounds before the air supply is exhausted (available upon request)

Worldwide spare parts availability through our network.

#### **Technical Specifications**

Cylinder Volume (L) Cylinder Material	3	3	
Cylinder Material			
	Steel	Carbon Composite	
Approvals	SOLAS / MED - MER	SOLAS / MED	
Working Pressure (bar)	200		
Working temp. range (°C)	-10 to 65		
Length (cm)	50	53	
Height (cm)	22	21	
Width (cm)	13	11	
Weight (g)	6.150	4.500	
Volume (cm <sup>3</sup> )	14.300	12.200	

- \* The product is tested per the following Regulations and Standards:
- SOLAS 74 as amended 
   Regulation II-2/13
- FSS Code 3 IMO MSC/Circ. 849
- Tested according to ISO 23269-1:2008 and EN 1146:2005

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# **Breathing Apparatus**

### Self Contained Breathing Apparatus / SCBA, SOLAS/MED



 Packed in a heavy-duty plastic

 Carrying Case

• High performance breathing apparatus

- Positive pressure full face mask
- Offers maximum respiratory protection
- · Flame retardant, waterproof and antistatic back frame and harness
- With manometer & whistle (>90Db sound) warning the user when the air pressure is dropping down below 50 bar

## The SCBA is available in two versions, with a 6L & 9L cylinders, which contains the following parts:

- · Breathing apparatus carrier with harness
- Pressure regulator with manometer & whistle
- Pressure & air flow regulator
- Breathing Apparatus face mask
- Compressed air cylinder with an EU standard cylinder valve with G5/8" thread

#### The SCBA is also available without cylinder.

Code	Cylinder Volume (L)	Cylinder Material	Working Pressure (Bar)	Warning Pressure (Bar)	Weight (kg)	Carrying Suitcase Dimensions (cm)	
71327	6	Steel	300	50-60	≤15	270x490x755	
713271	Will accept wide range of 300 bar cylinders. The air cylinders shall be designed in accordance with national regulations, bearing an EU standard cylinder valve with G5/8" thread. Please refer to user instructions for further information.				N/A	270x490x755	
71328	9	Carbon Composite	300	50-60	≤12	280x445x735	

# The product is MED/SOLAS certified under the requirements of Marine Equipment Directive 2014/90/EU as amended and tested per Standards:

SOLAS 74 as amended, Regulation II-2/10 & X/3, 2000 HSC Code 7, FSS Code 3, IBC Code 11, IGC Code 11 and IMO MSC.1/Circ.1499, IMO MSC.1/Circ.1555,EN 137:2006, EN 136:1998 including AC: 1999 and AC: 2003, ISO 23269-2:2011



#### Spare Compressed Air Cylinder





13





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