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MINESAFE® Radiator Caps

Minesafe® Radiator Caps are specifically designed for the prevention of burns and scalding from radiator cap removal in the mining, automotive and motorsport industries.

The original intention behind developing these safety radiator caps was to prevent burn injuries sustained by maintenance personnel in the underground coal mining industry.

At the time, there was no radiator cap available from radiator cap manufacturers that could satisfy all aspects of the safety requirements of the mines we were servicing.



The main features of the Minesafe® radiator caps have developed are:

- Metal Relief Lever
- Built In Locking Mechanism (cap cannot be removed unless lever is lifted)
- Brass Centre Pin
- Stainless Steel Locating Plate
- No Aluminium (except mini cap) or Plastic Components for Underground Use

Industrial radiator caps to suit filler necks are available in Australia with lever action to allow relief of pressure to protect the operator from scalds. The cap cannot be removed without lifting the lever to vent the cooling system. Our Minesafe® Radiator Caps have an inbuilt locking mechanism where the lever must be lifted before the cap can be removed. This allows the cooling system to be vented before the cap is removed. The caps have a stainless steel locating plate attached to the top of the cap which locates the lever into a position of direction for the locking pin to go through the cap top and into the filler neck.

The automotive range of radiator caps available in Australia use a plastic lever and a plastic centre pin for pressure release which has some safety issues and makes it unsuitable for some parts of the industry. In the case of vehicles used in underground mining, these caps have an aluminium locating plate riveted to the top of the cap which locates the lever into a position of direction for the locking pin to go through the cap top and into the filler neck. Our Minesafe® Radiator Caps have a stainless steel locating plate for this purpose and use a metal lever and brass centre pin.

Product Specifications Table

Product Name	Application	Ø (approx)		Pressure Ratings
MRCA	Auto	41mm		4, 7, 10, 13 , 16 , 22lb
MRCI	Industrial	55mm		4, 7 , 10 , 13, 16 , 20lb
MRCHI	Heavy Industrial	84mm		7, 10 , 14 , & 20lb

Note: bold indicates the most popular. No-drop cords do not come standard with caps.

MINESAFE® Cap Range

RL12/MRCHI

RL12/MRCHI Safety Cap



Suitable for heavy earthmoving trucks and equipment such as Komatsu, Liebherr, Dresser and Hitachi fitted with this size radiator cap..

- 7, 10, 14, 20 PSI
- Height: 50mm
- Width: 105mm
- Seal: 80mm

Filler Neck Opening: 85mm

RL12/MRCHIHD Heavy Duty stainless steel lever cap



Suitable for heavy earthmoving trucks and equipment such as Komatsu, Liebherr, Dresser and Hitachi fitted with this size radiator cap.

- 14 PSI (Also available in 7, 10, 20 PSI)
- Height: 50mm
- Width: 105mm
- Seal: 80mm
- Filler Neck Opening: 85mm

RL12/MRCHI Cap Adaptor Filler Neck



RL12/MRCHI Filler Neck



RL10/MRCI

RL10/MRCI – Safety Cap



Suitable for industrial use.

- 7, 10, 13, 16, 20 PSI
- Height: 22mm
- Width: 71mm
- Seal: 50mm
- Filler Neck Opening: 55mm

RL10/MRCIH - Safety Cap



The L10/MRCI Safety Cap is now available with a handle for ease of use.

RL10/MRCIWSC - Safety Cap



RL10/MRCI available with Safety Chain

RL10/MRCI Liebherr Adaptor (top view)



Suits the RL10/MRCI range. To suit Liebherr and Demag Cranes with Three Locking Tabs

RL10/MRCI Liebherr Adaptor (bottom view)



Suits the RL10/MRCI range. To suit Liebherr and Demag Cranes with Three Locking Tabs

RL10/MRCI – Adaptor



Suits the RL10/MRCI range.

RL10FN/MRCI - Filler Neck

Suits the RL10/MRCI range.



RL9/MRCA

RL9/MRCA – Safety Cap



RL9/MRCAH - Safety Cap



RL9/MRCAWSC - Safety Cap



- 7, 10, 13, 16 & 22 PSI
- Height: 22mm
- Width: 65mm
- Seal: 35mm

The RL9/MRCA Safety Cap is now available with a handle for ease of use.

Filler Neck Opening: 40mm

RL9FN/MRCA - Filler Neck



RL9FN/MRCA CAT Header Tank Screw Adaptor



**RL9/MRCA
Screw Cap Adaptor**
(side view with cap)



**RL9/MRCA
Screw Cap Adaptor**
(side view no cap)



**RL9/MRCA
Screw Cap Adaptor**
(top view)



**RL9/MRCA Screw Cap
Adaptor**
(bottom view)



RL9/MRCA Fitment List

JCB	51mm diameter
VOLVO	45mm diameter
CAT / CUMMINS	52mm diameter
LIEBHERR	51mm diameter
ATLAS COPCO	45mm diameter
KOMATSU	45mm diameter
BOBCAT	51mm diameter
YALE	45mm diameter
MANITOU	45mm diameter

All diameter measurements are approximate only. Confirmation is required for each adaptor fitment.

RL7/MRCM

RL7/MRCM - Mini Cap



Suitable for small on-site machinery, pumps, gensets and vehicles fitted with the standard small filler necks.

- 7, 13, 16 & 20 PSI
- Height: 22mm
- Width: 55mm
- Seal: 28mm
- Filler Neck Opening: 30mm

RL7/MRCMSH - Mini Cap



Suitable for small on-site machinery, pumps, gensets and vehicles fitted with the short reach small filler necks.

- 13 & 16 PSI

ST-36 -13lb
ST-37 - 16lb



Suitable for small on-site machinery, pumps, gensets and vehicles fitted with the short reach small filler necks (non-locking).

- 13 PSI & 16 PSI