



RC20 Sheep Scissor

General Description:

The RC20 is a compact, light weight hand tool designed for the removal of sheep, lamb, and pig hocks.

Features:

Compact size and lightweight

The compact size and light weight (4.82Kg) of the RC20 makes this tool fast and easy to operate.

It is well suited for modern production facilities with a high through put.

Two handed anti tie-down control system

Safety comes first, with a tamper resistant two handed anti tie-down control circuit.

Fully compliant with the most stringent safety standards world wide.

Proven design

In service for more than thirty years, the RC20 has been the mainstay hock cutter for hundreds of sheep processors world wide.

Now with several improvements incorporated the RC20 is ready to provide many more years of reliable service.

Single acting cylinder

A simple single acting hydraulic cylinder is used, with a return spring. Much care has been taken finding the most durable material for the manufacture of our springs, making them the most reliable available. The lower cost intensifier helps to deploy the RC20 system rapidly, needing only to be mounted and connected to an air supply.

Existing intensifiers can usually be used providing that they are able to displace 34cm³ of hydraulic oil or more.

Our RC50 intensifier has been designed to operate with the RC20, as well as the RC21 and RC22 hand tools.

Hardened stainless steel blades

Realcold blades are manufactured from knife grade 420 stainless steel, hardened and tempered to achieve maximum durability while remaining easy to sharpen and tough.

Years of development have been applied to finding the optimum cutting edge angles, and achieving just the right balance between hardness and toughness.

Our blades are CNC profile cut from multi-directionally rolled stainless steel plate, then CNC machined to shape and precision ground both sides to the final thickness.

The cutting edges are finished by hand to exacting tolerances, and polished for resistance to staining and bacterial growth.

By machining our blades from solid we eliminate casting porosity, while the grinding removes the outer layers, ensuring that each and every one of our blades is of the highest quality possible.

Improved blade shape

The cutting edge has been revised by moving the base forward.

This allows the wear plates to maintain full, even contact with the blade pivot area through the full movement of the blade.

Blade support is improved markedly as a result.

Foreign matter build up is also reduced for improved hygiene.

The tip end of the cutting edge has also been revised, allowing the improvement of the lead in ramp.

The meeting of the blade tips has improved, eliminating instances of crossing over caused by blade deflection.

Small blades are also available.



Technical Data

RC20-1312:

Weight	4.82Kg
Blade Opening	61mm
Blade Reach	90mm
Length	381mm
Height	190mm
Width	180mm
Operating Pressure	157Bar/2200Psi
Cylinder Displacement	30.6cm ³
Construction	Stainless Steel
Cutting Cycle	1.5 seconds
Triggering	Pneumatic

Model Options

RC20-1312 Standard Blades

RC20-1315 Small Blades

European



Certified

Hardened stainless steel wear plates

Wear plates are machined from the same 420 stainless steel as the blades, and precision ground to thickness.

They are then hardened and tempered for durability.

The wear plates are harder than the blade, preventing galling of the bearing surfaces.

Proper blade support is maintained as our wear plates do not deform like copper or bronze.

Split clamp type handle

The pistol grip handle wraps around the hydraulic cylinder and is split for easy fitting or removal.

It clamps securely to the tool, removing the need for mounting holes to be drilled and tapped into the cylinder head.

Placement can be adjusted to suit the operator or the process.

D-Handle mounting is incorporated into the handle base.

A solid casting is used to maximize strength.

Loop type hanger ring

The fixed loop hanger ring is mounted securely to the handle.

It can rotate freely through the suspension hook without any binding, allowing the tool to manoeuvre easily to meet oddly presented hocks.

Polished finish and smooth lines

All Realcold hand tools have a polished finish.

Unavoidable cavities are either plugged or shaped to prevent dirt from building up.

Lines are kept smooth making for an easy to clean, hygienic hand tool.

Manufactured in New Zealand

All Realcold hand tools and components are designed and manufactured in New Zealand to the highest standards.

Our range of tools are distributed world wide and are found in widespread use in places such as France, Germany, Spain, the United Kingdom, the United States, Australia, and Japan.

Custom built solutions are available on request.

Stock is held in Auckland, and Brisbane. Spare parts can normally be shipped to any location overnight.

Standard Blades



Small Blades



Argus Realcold Pty Ltd

P.O. Box 264

Unit 1, 55 Musgrave Road

Coopers Plains

Queensland 4108

Australia

Facsimile 07-3340 1151

Phone 07-3340 1150

<mailto:argusorders@realcold.com>

Northern Region:

Glen Bramley

Mobile 0409 647 796

<mailto:gbramley@realcold.com>

Southern Region:

Colin Castricum

Mobile 0417 070 795

<mailto:ccastricum@realcold.com>

Associated Equipment

Endo EW-05X Spring Balancer



RC50-3410 Air/Oil Intensifier

