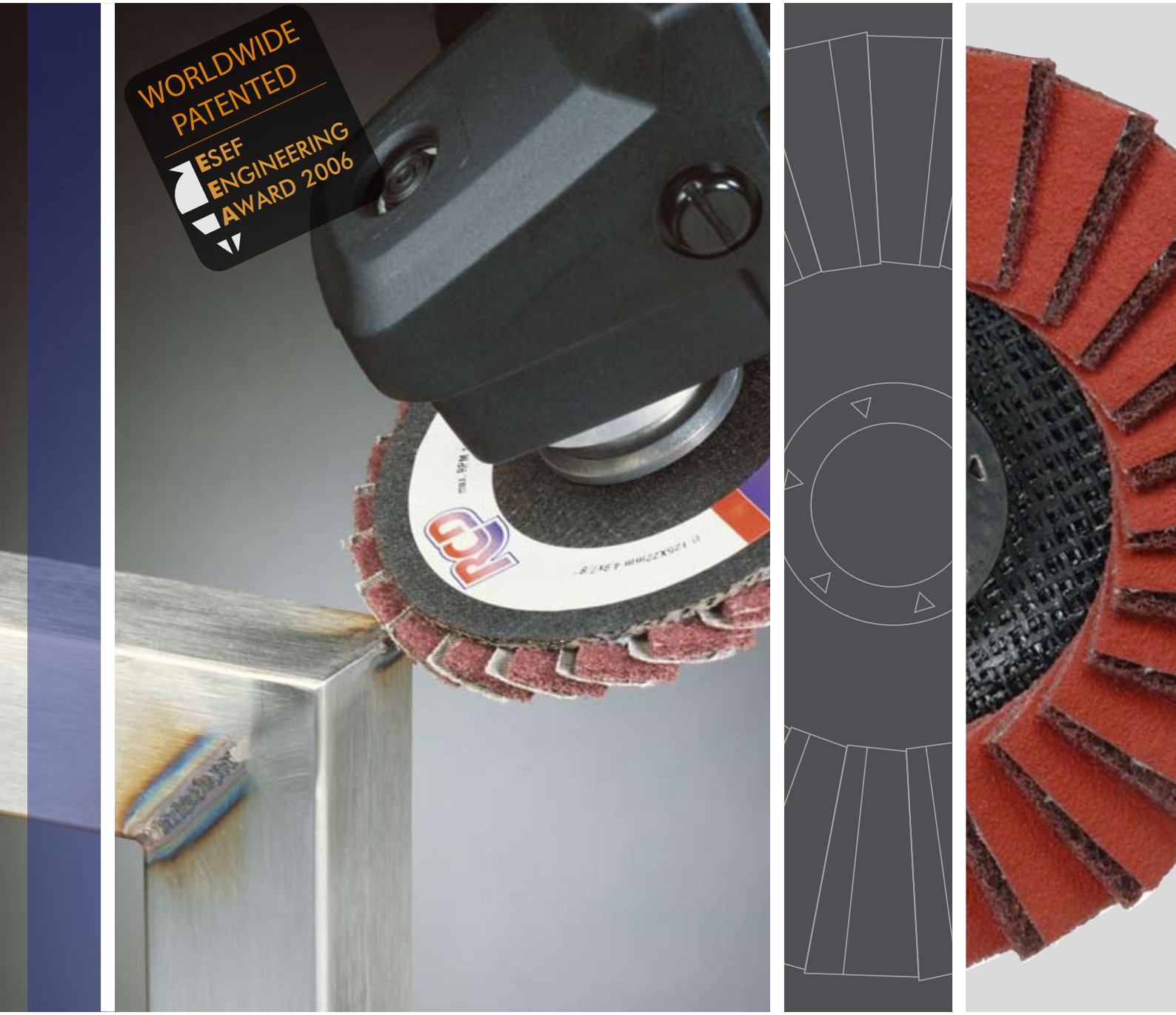
RCD

Patented internationally



cibo

time saving abrasives

Capabilities

With the **RCD**, you can grind down and perfectly finish a stainless-steel weld seam **in one single operation.** Now an inexperienced user can easily do the job in only one step, instead of the three steps (or more) previously required by an experienced user.

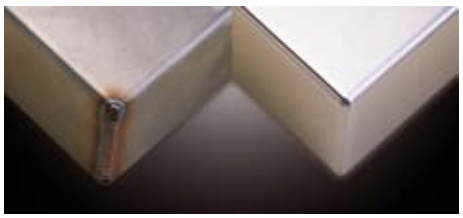
This yields dramatic **time savings**, significant **cost savings** and **improved finishing.**

Innovative concept

Patented internationally

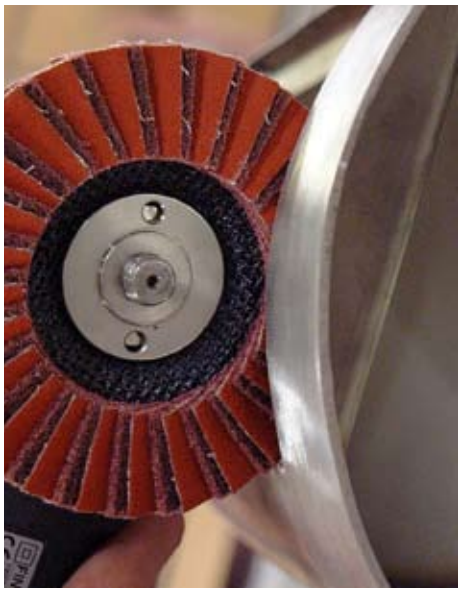
The RCD disc represents a perfect combination of fast material removal and high-quality finishing.

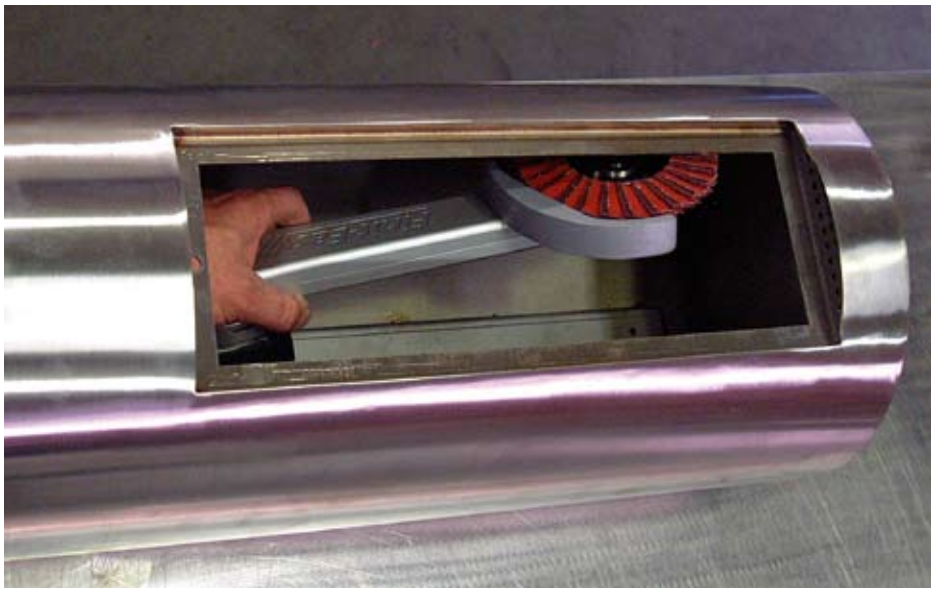
This comes from the materials selected to make RCD discs and their dimensions, form and positioning.



a. First, RCD discs are made from layers of "state of the art" soft and flexible abrasive cloth on a base with an active abrasive ingredient.
This provides fast, controlled, low-temperature material removal.

b. The other layers are made from a completely new generation of surface conditioning material. This special, three-dimensional non-woven abrasive fabric ensures uniform finishing with a consistently low Ra value, even with low pressure.
(The lower the Ra (roughness value), the higher the finish grade.)





Properties/Benefits

The RCD disc is unique, and combines useful properties with major **benefits**:

- significantly reduces the number of finishing steps: mostly 1 step compared to at least 3 steps:
  saves time and money
- uniform, constant finish:
  improves quality
- controlled material removal:
  can also be used by inexperienced users
- cushioned:
  comfortable to use
- generates very little heat:
  prevents heat marks
- resists loading:
  longer life
- can be used on stainless steel, aluminium, soft metals and special alloys:
  very wide range of application

Applications

- removing and finishing light weld seams in a single step
- removing scratches, light damage, mismatches
- polishing rough sanding lines
- removing discolouration and oxidation
- homogenising surfaces and workpieces
- light deburring
- breaking edges
- removing casting errors
- removing milling lines
- removing welding spatter
- improving surface roughness
- removing coatings and layers of paint

To ensure efficient use of the disc

Follow the recommended speed
and see the costs of your sanding work become only a fraction of what they used to be, and all this with a significantly better and uniform finishing.

Recommended speed:

ø 115mm --> 2.700/5.000 rpm
ø 125mm --> 2.500/4.500 rpm

= cheaper
= better finish
= more uniform finish

Product comparison

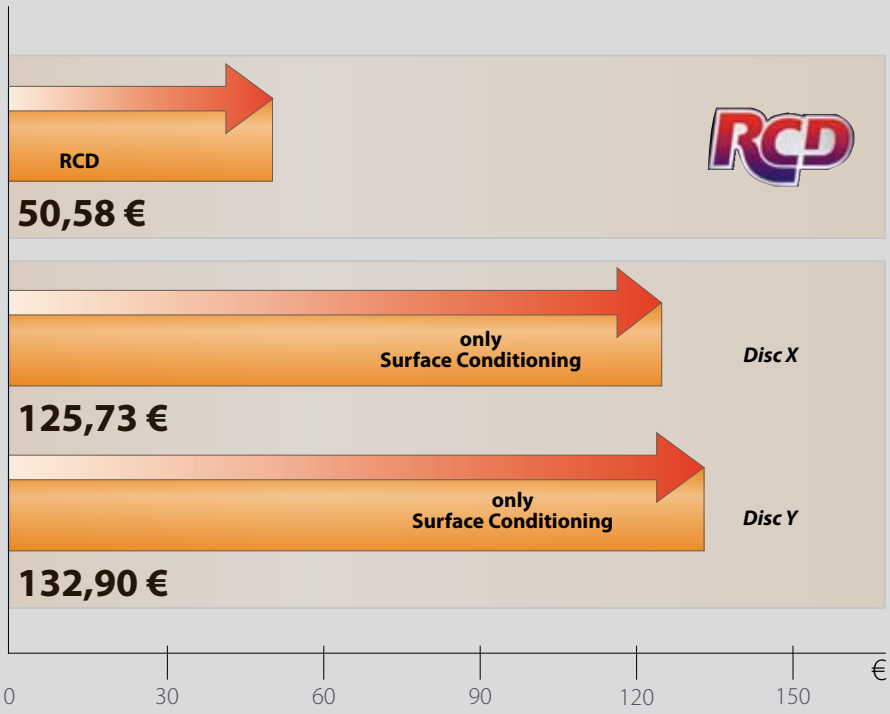
Various finishing sanding discs are available on the market which claim to be able to finish a weld seam in a single operation.

These discs are made from "surface-conditioning" lamellas only. Because of this material's limited abrasive power, such discs mainly fail in terms of useful life and operating speed. This inevitably leads to higher finishing costs.

This was why Cibo developed the RCD disc. The RCD disc is a perfect marriage of fast material removal and high-quality finish. This is made possible by the special architecture of the RCD disc. A sophisticated combination of abrasive flaps with the most diverse properties is applied while bearing in mind other critical elements such as positioning, shape, dimensions and the number of flaps used in the RCD.

Frequent comparative practical tests have proven conclusively that the RCD disc reduces **the total sanding costs** of immaculately finishing a stainless steel weld seam **by 50 to even 75%**. This while taking the **quality of the finished pieces to a higher level and ensuring less scrap** through possible sanding errors. (see side table)

Total finishing cost for 50 weld seams



With the RCD disc, you can save from 50 to 75% on your finishing costs for stainless steel weld seams. The diagram above shows the total cost for finishing 50 weld seams on 40 mm diameter pipes made of 304 stainless steel. The test was carried out while bearing in mind both hourly staff costs and the price of the discs used.

** The details of this study are available from Cibo upon simple request.*

Grades

RCD discs are available in three grades:

- Coarse
- Medium
- Very Fine

and two diameters:

- Ø 115 mm.
- Ø 125 mm.

RCDs on fibreglass support

Dimensions	Coarse	Medium	Very Fine	Max. speed	Recommended speed	
Ø115x22	RCD/CO/115	RCD/ME/115	RCD/VF/115	13.200	2.700/5.000	10
Ø125x22	RCD/CO/125	RCD/ME/125	RCD/VF/125	12.200	2.500/4.500	10

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