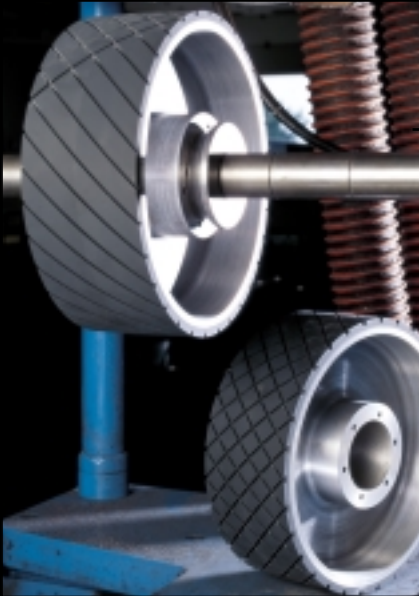


CONTACT WHEELS



CONTACT RUBBER CORPORATION

CRC CONTACT WHEELS



Contact Wheels to Meet the Needs of Industry...

CRC has been a major manufacturer of rubber and urethane contact wheels and expanders for a wide variety of grinding and finishing applications since 1962. CRC produces a complete line of standard and custom made products to meet the most demanding needs of industry.

CRC Contact Wheels and Expanders are used for grinding, sanding and finishing a wide variety of materials, including wood, metal, stone and ceramics, plastics, and leather. Wheels are manufactured in a size range from as small as 1" to as large as 30" diameter. All Contact Wheels are available with a hardness range from extra soft, (15 duro) through extra hard (95-100 duro).

Made in



Total Contact...Wheels and Expanders for a World of Applications

Over the years Contact Rubber has built a solid reputation for quality and precision. As a leading supplier for a diversified cross section of industry, we have set new standards for contact wheel technology, engineering design assistance, product consistency and single source reliability.



Built for Maximum Life and Service

Our elastomer compounds are specially formulated to give the longest possible work life and dependable service – under the most extreme conditions – and we continue to develop



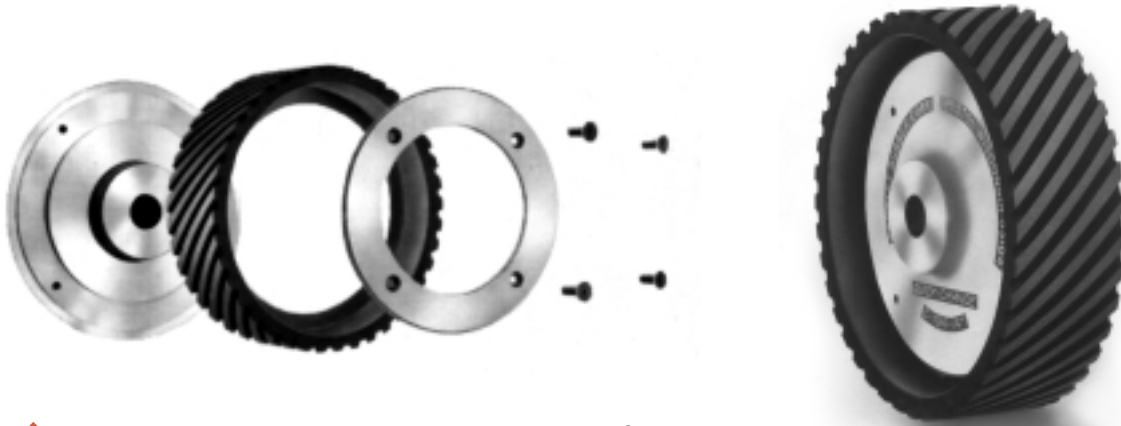
compounds to meet new demands and applications. A full range of wheel hardnesses and face designs is available to achieve every possible grinding and finishing effect. All contact wheels are dynamically balanced to assure smooth, vibration-free operation.



C134 Quick-Change Contact Wheels

The C134 CONTACT WHEEL with removable hub is unique in that a single aluminum hub of a given diameter will accept a variety of tires in various face widths and hardnesses. All hubs and tires are independently balanced to assure smooth, vibration-free operation. This wheel (hub and tire) may be used interchangeably with those of the same design from other manufacturers.

Assembly of a replacement tire onto a Quick Change hub is easily done. Simply remove the flat head allen set screws from the retaining ring, remove the worn tire, and replace it with a new tire. Re-assemble the retaining ring and make sure the balance marks are properly aligned.



C-134 Quick-Change Tire Specifications

Standard diameters of C134 replacement tires: 6", 8", 10", 12", 14", 16", 18", and 20"

Standard face widths of C134 replacement tires:

6" dia – 1" thru 6" in 1/2" increments	8" dia – 1" thru 8" in 1/2" increments
10" dia – 1" thru 10" in 1/2" increments	12" dia – 1" thru 8" in 1/2" increments
14" dia – 1" thru 8" in 1/2" increments	16" dia – 1" thru 6" in 1/2" increments
18" dia – 1" thru 6" in 1/2" increments	20" dia – 1" thru 4" in 1/2" increments

Replacement tires 6" dia thru 18" dia, up to and including 4" face width, have rubber covering bonded onto rims which are made of heavy gauge steel stampings. Some 18" and all 20" dia replacement rims as well as any rim which is over 4" face width, have the rubber coverings bonded onto rims which are made of machined aluminum castings.

All C134 replacement tires may be recovered. However, on many of the sizes (generally those sizes which have the heavy gauge steel stampings for rims) the cost difference between new tires and recovered tires is minimal. Much of the cost savings would be negated with shipping costs to the factory!

C-134 Quick-Change Hub Specifications

HUB SIZE:	6	8	10	12	14	16 & 18
Standard Length Through Hub	2-1/2"	2-1/2"	3"	3"	3"	3"
Largest Bore Diameter	1-5/8"	2-1/8"	2-1/2"	3-1/2"	3-1/2"	4-1/2"
Diameter of Boss	2"	2-1/2"	3"	4"	4"	5"



C130 Contact Wheel

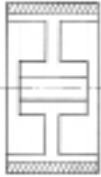
For use on a wide variety of abrasive belt grinding machines.

This versatile wheel may be modified to fit any type of grinder mounting or spindle configuration. Aluminum hubs with custom recesses, bearing bores, and tapered bores are commonly supplied. Any of the five basic hub designs can be modified to adapt to any grinding apparatus. These wheels may also be used as idler pulleys, drive & pull wheels, measuring wheels, feed wheels, pinch & nip wheels, as well as support and conveyor wheels. All C130 wheels are dynamically balanced to assure smooth vibration-free operation and may be recovered at a considerable cost savings.



FIVE HUB STYLES AVAILABLE:

The C130 wheel design is not limited to the five basic hub configurations. Custom wheels are available.



Style A
Standard design
available 6" dia and up.
*other designs similar
to Styles B-C-D-E
quoted special



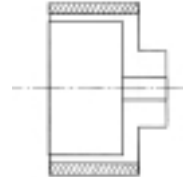
Style B
Flush both ends.
Standard design on
wheels under 6" dia.



Style C
Recessed both ends.



Style D
Recessed one side only.



Style E
Recessed with hub extension.

Special hub styles available. Please specify recess diameter, depth of recess, and hub extension for Style E. Prices are quoted on request for Styles C, D, and E.

- Available wheel diameters range from as small as 1" to as large as 30", with widths from 1/2" to 6" or wider.
- Available rubber covering densities: 20 duro through 100 duro with a plain or serrated face.

C200 Contact Wheel

For use on a grinders with shorter spindles.

The C200 CONTACT WHEEL utilizes aluminum flanges to reduce a 3-1/2" pilot hole to the required bore size. With the flanges assembled, the wheel has a 1-1/4" length through the bore making it adaptable to shorter than usual spindles. Both wheel and flanges are dynamically balanced independently for smooth operation.

Wheels are made of a heavy gauge steel core with rubber molded to the diameter. Rubber densities from 20 thru 95 duro with plain or serrated face. Standard diameters are 12" and 14" with face widths from 1" thru 4" in 1/2" increments.



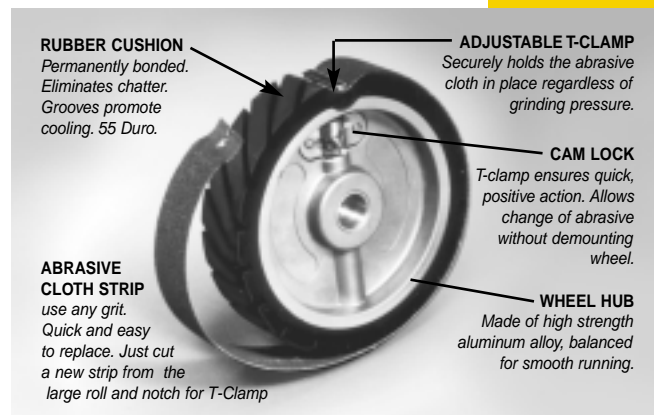
C131 Bristol T-Clamp Contact Wheel

For use with general purpose bench-type grinders.

The purpose of the C131 T-CLAMP WHEEL is to provide an inexpensive method of grinding a variety of materials using coated abrasives. The relative ease at which the worn abrasive can be replaced also makes this type of contact wheel very useful. The abrasive strip to be used may be cut from a 1-1/2" wide utility roll. The length of the strip should be 19-5/8 inches with a notch cut at both ends. The strip is then held securely in place with the adjustable T-clamp.

These wheels are standard 6" dia x 1-1/2" wide x 7/8" bore, covered with 55 duro serrated rubber.

Bronze reducer bushings of 1/2", 5/8" and 3/4" are available as well as pre-cut and notched abrasive strips.



C138E Slotted Expander Mandrel

C138ET Slotted Tapered Expander Mandrel

Manufactured to fit standard abrasive sleeves and cones.

These SLOTTED EXPANDERS are designed for use on high speed portable tools and flexible shaft grinders. Both styles use coated abrasive sleeves and cones which completely encase the rubber diameter. The abrasive is held in place with centrifugal force generated by the rotation of the tool. Standard C138E expanders are permanently mounted on a 1/4" steel mandrel. The C138ET tapered mandrel is furnished with a threaded bore in the large diameter end of the mandrel.



Standard diameters range from 1/2" thru 2-1/2" and widths from 1" thru 3" for the C138E and 5-3/4" for the C138ET.

C130E Slotted Expander Wheel

For efficient stock removal and general purpose sanding.

The C130E SLOTTED EXPANDER WHEEL uses standard abrasive sleeves which completely encase the wheel diameter. The abrasive sleeve is held securely in place during operation by centrifugal force created by wheel rotation. The rubber diameter is ground concentric with the bore for smooth vibration-free operation. Wheels are available to fit standard spindle and shaft sizes. Also available with threaded bores.

Wheel Diameter	Band Length	Recommended Speed Range (Approx.)
3/4"	2-3/8"	10,000 - 12,000 RPM
1"	3-7/32"	10,000 - 12,000 RPM
1-1/2"	4-25/32"	6,000 - 10,000 RPM
2"	6-11/32"	4,500 - 7,500 RPM
2-1/2"	7-29/32"	4,500 - 7,000 RPM
3"	9-1/2"	3,600 - 7,000 RPM
3-1/2"	11-1/16"	3,600 - 7,000 RPM
4"	12-5/8"	3,600 - 6,000 RPM
5"	15-25/32"	3,000 - 5,000 RPM
6"	18-15/16"	3,000 - 4,000 RPM



Standard diameter range is from 2" thru 6", and widths from 1" thru 4". Non standard sizes are available thru 16" diameter.

C130EP Bristol Plain Face Expander Wheel

For Leatherworking, Woodworking, Lapidary, and Metalworking.

Our 6" diameter plain face expander uses standard 18^{15/16}" coated abrasive bands which completely encase the wheel diameter. Centrifugal force created by the rotation of the wheel holds the abrasive band in place during operation. Use with coarse grit abrasive band for aggressive stock removal or with fine grit for light sanding and polishing.

Standard widths: 1", 1-1/2", 2" 2-1/2" and 3"

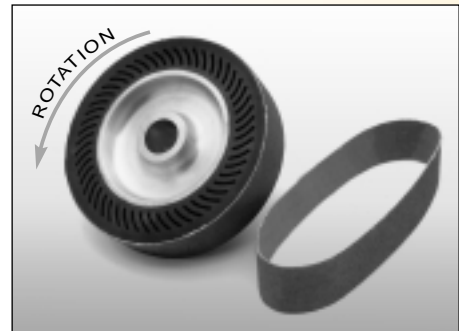
Bore size for all widths: 1"

Bronze reducer bushings: 1/2", 5/8", 3/4" and 7/8" ID

Standard densities: 20 duro rated for 2,700 RPM

40 duro rated for 3,200 RPM

60 duro rated for 3,650 RPM



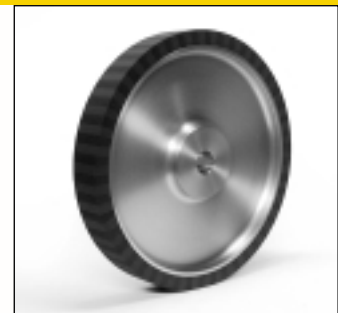
"Soft Grind" Foam Covered Contact Wheels

For stock removal with a gentle touch.

Best suited for use in automatic finishing equipment. Contact wheels covered with "Soft Grind" material are typically used in multi-stationed robotic cells where repeatability of finish is important to the end product.

Worn wheels from other manufacturers can be salvaged and recovered with "Soft Grind" at considerable savings. "Soft Grind" covering is available on C134 and C130 contact wheels.

Hardness grades: 10-15 duro, 20-25 duro, 30-35 duro, 40-45 duro



Choosing the Correct Contact Wheel

Contact Rubber Corp. manufactures a full line of rubber covered contact wheels to support your specific grinding and finishing requirements. Selection of the correct wheel is fully as important as the choice of abrasive belt. Use the following information as a guideline to help you choose the correct wheel for your application. Our grinding experts will be happy to assist you, should you require additional information or assistance with specific applications.

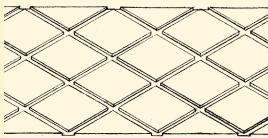
HARD WHEELS – used for faster cutting and produce a coarser finish.
For a given material, hard wheels remove more stock than softer wheels.

SMALLER WHEEL DIAMETERS – used for faster cutting and will produce coarser finishes.

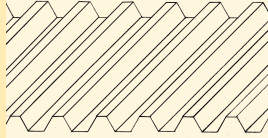
SERRATED WHEELS – permit faster cutting and result in longer belt life.
Belt glazing is retarded, resulting in extended belt life when serrated rubber contact wheels are used.

HIGHER SPEEDS – produce better finishes, but caution must be exercised since excessive speeds tend to harden a soft wheel through centrifugal force. (Adhere closely to proper wheel hardness and machine speeds.)

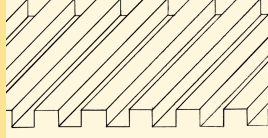
Typical Serration Configurations



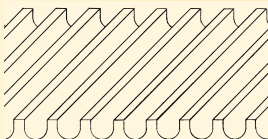
Dyna-Flex Serration
*Used on softer wheels
Has flexibility with some aggressiveness*



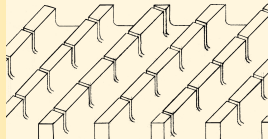
Cog Serration
*1:2 land to groove ratio
Used on harder wheels
Very aggressive action*



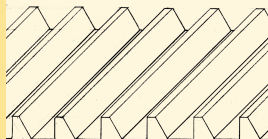
Standard Serration
*1:1 land to groove ratio
Common groove pattern
General purpose use on all densities*



Scoop Serration
*1:3 land to groove ratio
Faster cutting action with aggressive stock removal*



Serr-X Serration
The narrow cross slot enhances the aggressiveness of other serration patterns



Modified Scoop Serration
*1:3 land to groove ratio
Similar to the scoop but has a buttress on one side of the land for added support*

How to Order Contact Wheels

When placing an order, the following suggestions will help insure delivery of the exact contact wheel desired and will prevent delays in shipment.
Always specify the following:

- 1. Wheel Diameter**
(Diameter has an effect on SFPM)
- 2. Face Width**
(Should be same as belt width)
- 3. Bore Size**
(Measure shaft to be sure)
- 4. Plain or Serrated Face**
(Most are standard serration)
- 5. Durometer**
(Hardness of rubber)
- 6. Spindle Speed**
(RPM of grinder)

Available Options For Most Contact Wheels

- Bearing Tolerances in Bore
- Set Screw Holes
- Special Core Designs
- Snap ring Grooves
- Counter Bore for Bearings
- Non-standard Recess
- Crowned Face
- Standard Keyways
- Taper Lock Bores
- Steel Sleeved Bores
- Choice of Serration
- Foam Covering
- Polyurethane Covering



Contact Rubber is one of the country's most dependable sources for rubber, silicone, and polyurethane products. Our contact wheels, covered rolls and molded products have proven their value in thousands of applications.



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