



Setting the Standard for Wear!

R & H INDUSTRIAL • SPECIAL USE PARTS

R & H Machine offers parts to fit a wide variety of different types of equipment. Most of these parts do not fit into easily defined categories. We have accumulated this group of parts from many years of solving wear problems in many different industries. This group of parts reduces operating costs by performing better and lasting longer. We are able to supply castings under sixty pounds and no larger than eighteen inches in any direction. Additional parts can be produced as needs are seen on other equipment or for other applications.

R & H industrial and special use parts can be made out of either Chrome Alloy or Manganese Steel depending on the application. We determine which metal is better suited to the particular wear problem, and then first try to make a Chrome Alloy insert or covering to enable the original part to be rebuilt. If rebuilding the part is not the best option, we then decide which metal will give us the properties we need. If the wear is caused by abrasion alone, we will use a Chrome Alloy casting to solve the problem. If high impact is either a primary or secondary factor, we will use a Manganese Steel casting to provide the wear properties we desire. Most parts cast of Manganese Steel will need to be hard-faced to provide abrasive wear protection. Most R & H industrial parts cast of Manganese Steel have a "GS" designator in the part number.

The types of parts in this group consist of, but are not limited to, the following: pipe pullers; gopher points; rock-picker parts; bucket-loader teeth; composting parts; tub-grinder teeth; and asphalt-machine liners and pug-mill tips. Some of the applications that are not shown here are snow plow shoes and land leveler skids.

All R & H Chrome Alloy weld-on parts must be heated to a bright cherry red before welding. Use a mild-steel rod in a stick welder or a mild-steel wire in a wire-feed welder. Heat the casting, and, while it is still red, weld the part into place. The part to be repaired should be at room temperature. Room cool out of draft.

CHROME ALLOY

R & H Chrome Alloy is designed to resist abrasive wear resulting in longer life. Chrome Alloy was originally used in rock crushers, so it is very tough. As Chrome Alloy wears, the molecules of chrome carbide bend over in a lapping action instead of breaking off like softer steels. The surface becomes very smooth resulting in longer wear and less friction with abrasive material. Our High Chrome Alloy parts will pull more easily than hardfaced parts as an additional bonus. All R & H Machine's signature High Chrome Alloy parts are produced using a precise blend of alloys in our Caldwell, Idaho plant from the highest quality materials available.

MANGANESE ALLOY

R & H Machine makes available Manganese Steel castings to fit a variety of high-impact areas in tub grinders as well as other applications. Our parts have been used successfully for over twenty years. Manganese Steel is designed for high impact and is very durable, but must be hard-faced with tungsten-carbide chips to give longer life. As this material is used, impact will make the steel harder and tougher. This process is called work hardening. Manganese Steel can be cut with a torch and welded, but drilling is extremely difficult, as the metal will work-harden under the bit. We sell Manganese Steel hammer tips as cast so the customer can hard-face the parts to his own specifications. Parts can be rehard-faced as they wear, helping to prolong service life. We have replacement tips to fit on many makes of wood-waste tub grinders which are not shown. R & H Machine also offers Manganese Steel hammer tips to fit concrete recycling grinders and other high-impact crushing and grinding equipment.

Our business is saving you money!!!

RH PIPE PULLERS

RH 928 HEAVY-DUTY 2" PIPE PULLER

Length: 6-1/2"
Height: 6-1/4"
Diameter: 2"



RH 928 B SWEEPED-BACK 2" PIPE PULLER

Length: 7-1/4"
Height: 8"
Diameter: 2"



RH 928 C HEAVY-DUTY 1-1/4" PIPE PULLER

Length: 6-1/4"
Height: 4-1/2"
Diameter: 1-1/4"



RH 928 EXT PIPE PULLER EXTENSION

Length: 12"
Height: 3/4"
Thickness: 1/2"



RH GOPHER POINTS

RH 938 GOPHER SHANK POINT

To fit: Gopher Getter

Length:
Total: 5-3/4"
Body: 4-3/8"
Neck: 1-3/8"
Diameter:
Body: 2-1/2"
Neck: 1-7/8"
Slot:
Width: 7/16"
From end: 7/16"



RH 939 GOPHER SHANK POINT

Length:
Total: 12"
Body: 10"
Neck: 2"
Diameter:
Body: 2-1/2"
Neck: 1-5/8"
Fin:
Height: 6"
Thickness: 1/2"



RH 941 GOPHER SHANK POINT

To fit: Gopher Getter

Length:
Total: 5-7/8"
Body: 4-3/8"
Neck: 1-1/2"



Diameter:
Body: 2-1/2"
Neck: 1-11/16"
Hole: 7/16"

Slot:
Width: 7/16"
From end: 7/16"

RH ROCK PICKERS

RH 950 ROCK-PICKER SPOOL

- for 1-1/2" SQUARE ROD

RH 951 ROCK-PICKER WEAR BLOCK

To fit: Pratt, Big V, or Valley rock pickers



RH 665 DRIVE SPROCKET

Diameter: 5-7/8"
Bore: 2" round
Pitch: 1.56"
Teeth: 13



NOTE: for our complete selection of sprockets, see SPROCKET section.

RH BUCKET LOADER TEETH

NOTE: not for use on backhoes

RH 970 FULL-CAST LOADER TOOTH



Tooth:
Length: 7-1/2"
Width: 3"
Pocket:
Width: 2-3/8"
Height: 2-3/4"
Depth: 3-3/8"
Holes: 7/8"

RH 971 FULL-CAST LOADER TOOTH



Tooth:
Length: 7-1/2"
Width: 2-1/2"
Pocket:
Width: 2"
Height: 1-7/8"
Depth: 3-1/8"
Holes: 3/4"

RH ASPHALT PARTS

RH 960 PUG MILL TIP

Length: 6"
Width: 4"
Thickness: 1"
Holes: 5/8" plow



RH 961 PUG MILL TIP

NOTE: Replaces CR5011B04A

Length: 7-1/2"
Height: 4-1/2"
Bore: 2-3/16"
Holes: 1/2"



RH 962 PUG MILL PADDLE TIP

To fit: Clenco

Length: 7-3/4"
Width: 5-7/8"
Thickness: 1"
Holes: 5/8" hex



RH 963 ASPHALT-MACHINE CURVED PLATE

Length: 11-7/8"
Width: 6"
Thickness: 1/2"
Holes: 1/2" plow



RH 964 WELD-ON ASPHALT RECYCLER HOLDER

Length: 2-3/4"
Thickness: 2-1/8"
Hole: 3/4"



RH 965 PAVER PADDLE TIP

Length: 4"
Width: 3-7/8"
Hole: 1/2" hex



RH 966 ASPHALT DRUM SCRAPER

Length: 4-1/2"
Width: 2"
Thickness: 1-3/8"



Hole spacing: 2-1/4"
Holes: 1/2" hex

RH TRUNNION PIVOT

RH 980 7/8" TRUNNION PIVOT

Length:
Overall: 3-1/4"
Body: 1-7/8"
Neck: 11/16"
Hole size: 7/8"



Diameter:
Body:
Wide: 1-13/16"
Narrow: 1-3/8"
End: 3/4"

RH COMPOSTING PARTS

RH 427 WELD-ON COMPOST CAP

Outside:
Height: 2-1/2"
Width: 3"
Thickness: 5/8"



Inside:
Height: 2"
Width: 2-1/2"

RH 932 COMPOST TURNER - Manganese



Left

Length: 11-3/4"
Width: 4"
Thickness: 3/4"
Holes: 3/4"
Hole spacing: 2"



Right

RH 502 COMPOST BLADES - Manganese



Left

Length: 11-3/4"
Width: 4"
Thickness: 1/2"
Holes:
 (Top): 1"; (Bottom): 5/8"
Hole spacing: 2"



Right

RH 933 COMPOST TIP

Outside:
Length: 6"
Width: 3-1/4"
Thickness: 1-1/2"



Inside:
Length: 5"
Width: 2-1/4"
Depth: 1/2"

Holes: 1/2", hex countersunk
Hole spacing: 3"

RH MANGANESE EXTRACTOR TOOTH

RH 999-GS-97- M

Length: 5-1/4"
Diameter: 1-3/4"



RH MANGANESE TUB GRINDER TIPS

RH 999-GS-22 TUB GRINDER TIP

To fit: Zehr



Length: 6-3/4"
Width: 3-7/8"
Thickness:
Body: 1-5/8"
Tip: 2-1/8"
Hole spacing: 2-1/4"
Bolt holes: 1"

RH 999-GS-05 TUB GRINDER TIP

To fit: Diamond Z

Length: 5-3/8"
Width: 3-3/8"
Thickness:
Body: 1-1/2"
Tip: 2"
Hole spacing: 2"
Bolt holes: 7/8"



RH MANGANESE HAMMER TIPS

RH 999-GS-88-M SMALL CONCRETE HAMMER

Length: 5-3/4"
Width: 3-1/2"
Thickness: 3"
Hole: 1-1/4"



RH 999-GS-87-M LARGE CONCRETE HAMMER

Length: 7-1/4"
Width: 6-1/2"
Thickness: 4-1/2"
Hole: 2"



RH 999-GS-86-M HAMMER TIP

Length: 3"
Width: 1-7/8"



Thickness: 3/4"
Hole: 5/8" threaded