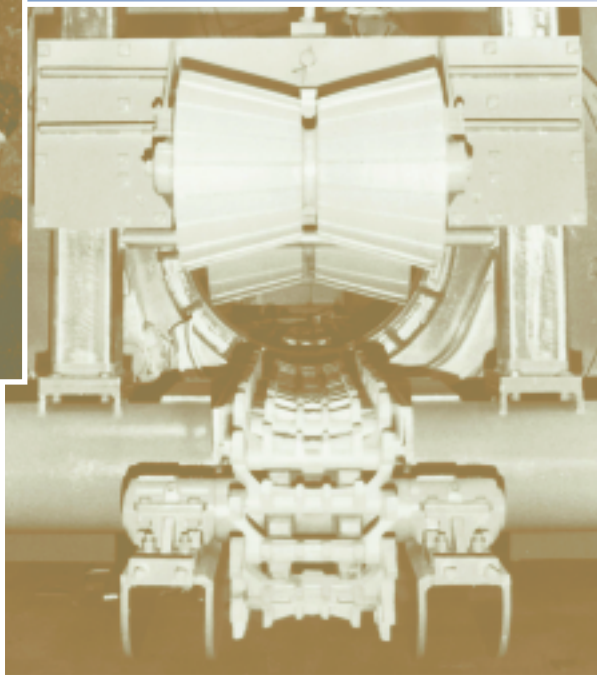


# Barker Products In Cast Alloy & Manganese Steels



# Barker Feed Works

## Standard and Custom Feed Chains

I'ANCO Products has been a leading producer of barker feed chains for over 25 years. I'ANCO has worked closely with several de-barker manufacturers to develop feed chains that will handle the severe service associated with these conveyors. Through this development process, austenitic Manganese Steel has proven to be the best material for the cast links, out-performing alloy steel in most applications. The Manganese Steel produces a work hardened surface in the range of 500 BHN while maintaining a tough ductile core with an elongation of 30-40%. In comparison, alloy steels will always lose toughness, ductility and elongation as the hardness is increased resulting in possible failure due to impact or shock loading.

To help get the surface of the Manganese up to hardness, the links are first rumbled so the outer

surfaces will be hardened, and the barrel and leg holes are ball broached to create the hard skin on the interior surfaces of the link. To ensure the smoothest possible operation of the chain, all contact areas between the links are precision ground so all mating surfaces are parallel.

The pins used in I'ANCO barker feed chains are produced from 4140 through hardened steel with a typical hardness of 380 BHN. The pins are then machined to provide a consistent and tight tolerance of .025" between the pin and barrel. The pins use either a 'D' or 'T' head configuration to lock in place.

I'ANCO is continually improving its products to ensure that its customers are provided with the best conveying equipment available.

Machine Manufacturer	Chain #	Chain Pitch & Machine Size	Pin Diameter
Salem/Brunette	C2320 X10252	4" Pitch for 21", 27" & 35"	1.125"
Salem/Brunette	D3104 X10398	4.5" Pitch for 43" & 50"	1.25"
Salem/Brunette	D4044 X10407	6" Pitch for 60" & 72"	1.375"
Salem/Brunette	D8700	6" Pitch	1.375"
Nicholson	B19236 X4015A	3.125" Pitch for 18", 20", 22" & 26"	1"
Nicholson	D20264	6" Pitch for A2 & A3 Short Log	1"
Nicholson	B19242 X10176A	5" Pitch for 34" & 43"	1.25"
Nicholson	1-1-1D26	4.187" Pitch for 26" & 34" Early Model	1.125"
Nicholson	1-1-1D-16 X2713	4.063" Pitch for 43", 50" & 60"	1.25"
Nicholson	1-2-21D41 X3931-C	6" Pitch for 43" 50", 60" & 72" Model A-1 & A-2	N/A

*I'ANCO supplies complete sprocket assemblies for all of the above listed chains as well as wear bars where applicable.*

**For more information on I'ANCO's barker feed chain, cast mill chains or any other chain conveying applications please phone or fax us.**

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