Overview
Logan Rotary Shoes are designed in various styles and sizes to service the many different conditions encountered in fishing and washover operations. Hard-faced dressing material is used to form the cutting or milling surfaces on the Rotary Shoes that are subjected to high abrasion and severe impact.

Construction
Logan Rotary Shoes are dressed with a special hard-face compound made of crushed sintered tungsten carbide particles and a resilient matrix of nickel-silver alloy. Tungsten carbide particles have a hardness nearly equal to that of diamonds. They retain their hardness at high temperatures and are not affected by the heat generated from the cutting operation. The tough nickel-silver alloy matrix holds the tungsten carbide particles in place and cushions the particles against strong impact.

When ordering, please specify:
- Type of shoe
- Size, type, and weight of connection
- O.D. and I.D. of shoe

Styles and Usage

Type A
Cuts on the inside diameter and bottom. Does not cut on the outside diameter. Used to cut metal on fish without cutting the casing.

Type B
Cuts on the outside diameter and bottom. Does not cut on the inside diameter. Used to wash over a fish and cut metal or formation in an open hole.

Type C
Cuts on the inside and outside diameters and bottom. Used to wash over and cut metal, formation, or cement.

Type D
Used where clearances are limited. Cuts on the inside diameter and bottom. Does not cut on the outside diameter. Cuts metal on the fish without cutting the casing.

Type E
Used where clearances are limited. Cuts on the outside diameter and bottom. Does not cut on the inside diameter. Used to wash over a fish or cut metal, formation, or cement in an open hole.

Type F
Used to size and dress the top of a fish inside the casing. Makes a tapered cut on the inside diameter and cuts on the bottom. Does not cut on the outside diameter.

Type G
Cuts on the inside and outside diameters and on the bottom. Used to wash over a fish or cut metal, formation, or cement in an open hole where inside clearances are limited.

Type H
Cuts on the inside and outside diameters and on the bottom. Used to wash over a fish or cut metal, formation, or cement in an open hole where outside clearances are limited.

Type I
Cuts on the bottom only. Does not cut on the inside or outside diameters. Saw-tooth design allows maximum circulation. Used only for washing over and cutting formation.

Type J
Cuts on the outside diameter and bottom. Does not cut on the inside diameter. Saw-tooth design allows maximum circulation. Used only for washing over and cutting formation.

Type K
Cuts on the bottom only. Does not cut on the inside or outside diameters. Used only for washing over and cutting formation.