

Sealing An Oversize Annulus

THE DOUBLE ROW METHOD

Sometimes the wall opening represents a differential up to five pipe sizes larger than the carrier pipe itself. This creates an annular space that is larger than the expanded thickness of a single Link-Seal® modular seal assembly. A typical example is a fanged spool piece or an existing opening where piping has been removed to make way for a new installation. As a result it is necessary to use an intermediate sleeve and another belt of Link-Seal® modular seals.

key design considerations when sizing an intermediate wall sleeve are:

- A. An intermediate sleeve must be used for a proper seal.
- B. The intermediate sleeve should be sized correctly to accommodate both belts of Link-Seal® modular seals.
- C. Be sure to support the actual carrier pipe properly. neither belt of links should be responsible for supporting the carrier pipe.
- D. Let economics guide your selection when sizing Link-Seal® modular seals. however do not under size, refer to adjacent example or call Power Plant Supply for sizing assistance 1-416-752-3339

typical application

Wall Opening = 40" Cored hole
Carrier Pipe = 30" API Type
(30.00" O.D.)

This is a differential of five pipe sizes: (32, 34, 36, 38, 40)

Solution:

use an inner belt of LS-400 and an outer belt of LS-500. Intermediate sleeve should be two pipe sizes larger than the 30" carrier pipe. A 34" pipe with a 3/8" wall would be an excellent choice. Checking the Link-Seal® modular seal sizing chart on page 9 indicates a 30 x 34 WS sleeve requires 27 links of LS-400. The outer sleeve of 34 x 40 will require 29 links of LS-500.

For sizing assistance call : 1-416-752-3339

Intermediate Sleeve

