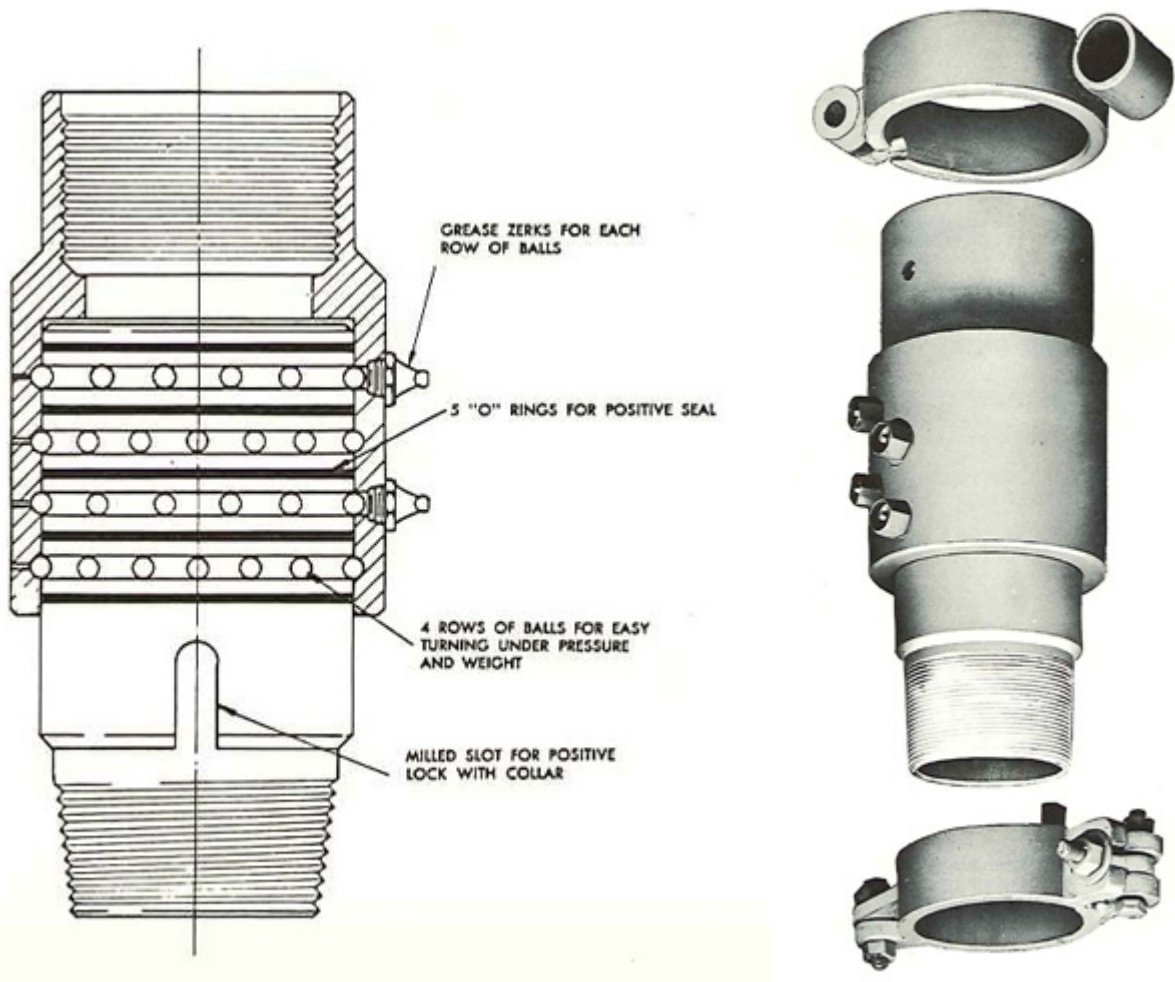




## Industrial Rubber Inc.

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### *Industrial Rubber, Inc. Casing Swivels*



Industrial Rubber's Casing Swivel is designed for use in areas where rotating wall cleaners (sometimes called *scratchers*) are employed to clean the walls of the hole to prevent channeling during the cementing operation and the necessity of going back in with a squeeze cementing job.

The Industrial Rubber Casing Swivel is engineered to be *trouble-free* and to eliminate the problems often encountered with other casing swivels.

The unique swivel design has four rows of ball bearing with races evenly spaced in the swivel housing and five "O" rings evenly spaced in the housing.

The even spacing of the bearings provides the strength and stability to overcome the "drag pressures" which result when the cementing head, manifold and other equipment mounted above the swivel tend to tilt the swivel off-center.

***This design eliminates the problems of binding and galling.***

The "O" rings provide a positive seal in job after job when simple preventative maintenance procedures are followed. Each ball bearing race is serviced by a grease zerk, and on the opposite side of swivel housing from each grease zerk is a bleed port capped with an Allen-head set screw.

Pumping the swivel full of grease sets up opposing pressures between the "O" rings to off-set pressures encountered during the cementing operation.

This design also provides easy maintenance and extends the usability of the swivel far beyond that of conventional casing swivels.

The swivel can be cleaned without dismantling. After each cementing job, the set screw is removed from the bleed port and grease is pumped through the grease zerk until the returns out of the bleed port are clean.

After re-capping the bleed port, **IRI's Casing Swivel is ready for the next job!**

CASING SWIVEL	
<u>Casing Swivel Size</u>	<u>Part Number</u>
2 3/8"	340-0023
2 7/8"	340-0027
3 1/2"	340-0034
4 1/2"	340-0044
5 1/2"	340-0054
6 5/8"	340-0065
7"	340-0070
7 5/8"	340-0075
8 5/8"	340-0085
9 5/8"	340-0095
10 3/4"	340-0106
11 3/4"	340-0116
12 3/4"	340-0126
13 3/8"	340-0133