PRODUCT DATASHEET

# Rolling Mill Lube and Hydraulic Filter Elements

Mill lube and gauge-control hydraulic filter elements





DETAIL – FILTER HOUSING

## OVERVIEW

The Tech Inc. Rolling Mill Lube and Hydraulic Filter Elements are replacement elements for the oil systems of steel rolling mills. The TI-EL-M is a 38-inch lube oil element for the circulating oil of oil-film roll-neck bearings, and the TI-EL-H is a fine hydraulic element for gauge control systems.

## MODELS AND CONFIGURATIONS

- **TI-EL-M** – 38-inch mill lube oil element, an interchangeable replacement for common OEM designs.
- **TI-EL-H** – gauge-control hydraulic filter element, an interchangeable replacement for common OEM designs.
- **System sets** – elements grouped by oil system for each planned change.

## TYPICAL DESIGN DATA

| | |
|---|---|
| **Element length** | 38 inch for the TI-EL-M; the TI-EL-H to suit the existing housing |
| **Fit** | Interchangeable replacement for common OEM designs, with dimensions, end caps and seals measured from reference elements |
| **Filtration rating and media** | Matched to the original element, or to client specification |
| **Fluids** | Mill lube oil and hydraulic oil |
| **Seal materials** | Compatible with the system fluid, or to client specification |
| **Differential pressure and collapse rating** | To the original element or client specification |
| **Operating limits** | Pressure and temperature to the housing rating and client specification |

## APPLICATIONS

Oil-film bearing lube systems, hydraulic gauge control, mill hydraulic power units and auxiliary hydraulics at hot strip, plate, bar and cold rolling mills.

## KEY ADVANTAGES

- **Drop-in fit** – no change to housings, piping or the filter bank
- **Measured from your samples** – no OEM drawings needed
- **Clean oil** – correct filtration protects roll-neck bearings and servo valves
- **Planned changes made easy** – elements packed by oil system for each shutdown
- **One source** – elements, vacuum dehydrators and oil-care service from one maker

**Designed and built by Tech Inc.** · **Part of the Davey Group since 1990**

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