Kinetrol ISO/DIN Spring

ATEX Up to Category 1

Features

- **Simple, elegant direct-mount interface for most valves**
- **Multiple ISO mounting flange hole drillings for each model**
- **Large ISO/DIN compatible 'star' drive for most models**
- **Valve leak tell-tale/relief slots in mounting face**
- **Female serrated insert drive options available for maximum direct mount flexibility on some models**
- **Keeper plates available to ensure safe handling**
- **Same reliable, long-life, fully sealed spring unit as on male-drive units**
- **Allows accessories to be direct mounted to top of actuator** (e.g positioner)

Torques are identical to standard and low pressure spring torques.
Directions of spring action are as for fail-safe spring return units. Female drive spring units are always designed to be mounted between the actuator and the application. Consequently, a female spring designated 'clockwise' as a separate module will, when mounted below an actuator, result in a 'clockwise' assembly. Female drive springs are not designed to interface directly with modular switch boxes, positioners etc.

ISO/DIN 'Star' Drives

Female bi-square (star) drive spring fail-safe units are available for models 03 to 21.

Star drive units are specified by adding a 'F' to the ISO/DIN code:

e.g. for a standard model 07 actuator with a female star drive, a regular 074-120 code becomes 073F120.

Serrated Drives

Female serrated drive spring fail-safe units are available for models 05, 07, 08, 09 & 10 to give maximum mounting flexibility.
Features include:

- Can accommodate large diameter valve stems
- Deep hole in shaft for long valve stems
- Precision stainless steel inserts
- Common internal drive shapes available
- Same spring can be used with different valve type/sizes
- 48 teeth allow many different orientations

Serrated drive units are (excluding couplings) specified by adding an 'S' to the ISO/DIN code:

e.g. for a standard model 07 actuator with a serrated female drive, a regular 074-120 code becomes 073S120.

See TD141 for full dimensions of the serrated drive springs and associated couplings.

A range of blank and internally profiled serrated stainless steel couplings are available (see TD141 for codes).

Coding of Alternative Flange Drillings

Some female spring fail-safe star and serrated drive models are available with alternative ISO mounting hole patterns (see TD141).
The digits '8' and '9' are used to designate clockwise and anti-clockwise versions respectively:

e.g. clockwise code 053F180 specifies the F04 flange alternative of the 053F120 which specifies the clockwise F03/05/07 version.