

Engineering Design Document Nr 1.3

GEAR UNIT HANDING & ROTATION

This document explains the orientation of a gear unit with regards to handing and rotation.

‘Gear Unit Handings’ are illustrated in-depth in the various catalogues, but for general purposes handing can often be described in simple terms as ‘left’ or ‘right’.

A simple way of determining the handing is by viewing the gear unit from its input area, so that the output motion is faced at 90 degrees. (See fig.1)

HELICAL GEAR UNITS:

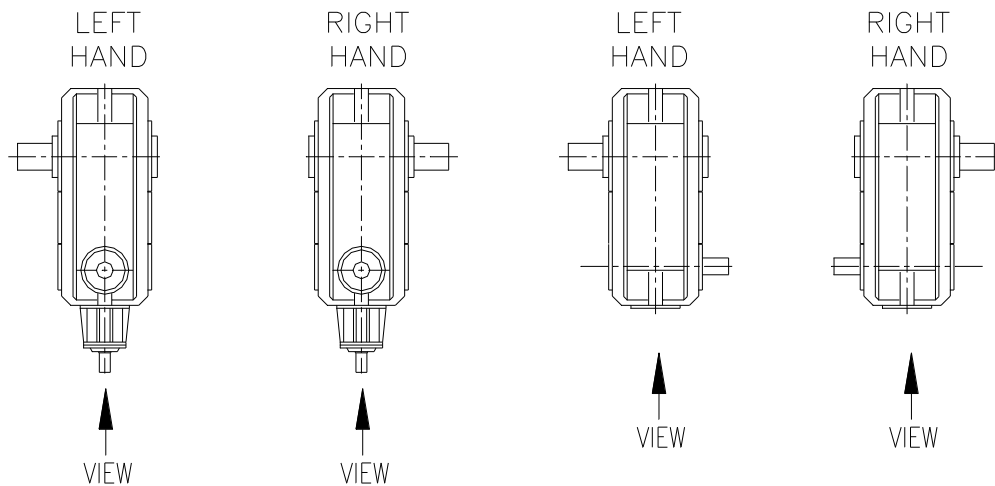


Fig.1

WORM GEAR UNITS:

Single reduction worm units can be described in a similar way (see fig.2), but for double reduction units the designations as shown in catalogues should be strictly followed.

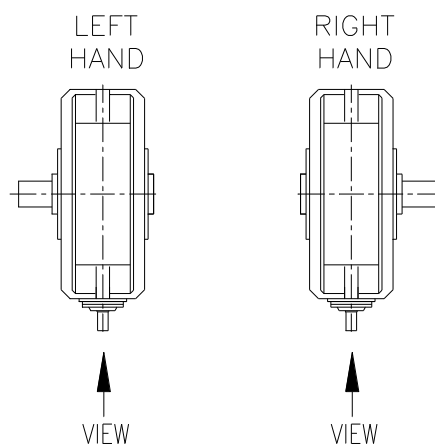


Fig.2

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ROTATION:

Rotation is always described in terms of the output and by looking at the shaft axially.
(See fig.3)

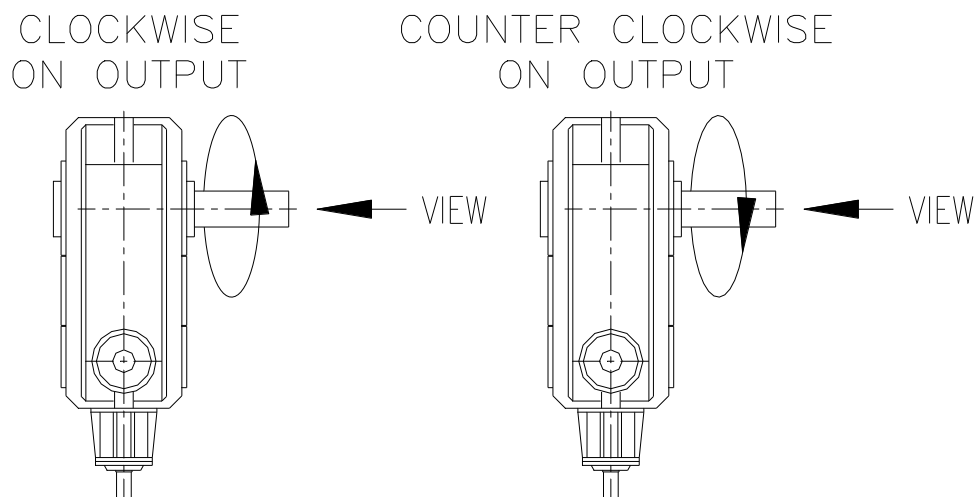


Fig.3