

2.2. Angular Gear Unit WG

The LEONARD angular gear unit WG (see figure 2.2.1 and 2.2.2) is available with spiral tooth bevel wheels and a ratio of 1:1. This gearbox is used, when the cam shaft of the LEONARD rotary cam switch is right-angled to the driving spindle.

The driving spindle (input) of our angular gear unit WG can be pivoted upon 270° around the hollow shaft (output). The height of the spindle centre is either 71 mm or 60 mm.

The mounting of the gearbox WG is very simple: The gearbox is pushed on the cam shaft (spindle) of the rotary cam switch and mounted with two screws M8 on the base. When fitting, attention must be paid to the flatness of the mounting plate and to the equality of height of the spindle centre.

Mechanical data:

housing:	cast aluminum
housing colour:	RAL 6011, „green hammer finish“, optional seawaterproof performance
gear wheels:	spiral tooth; life lubrication, maintenance free
driving spindle (input):	Ø20h6 resp. Ø15h6, ground, with centre hole according to DIN 332, with feather key according to DIN 6885
hollow shaft (output):	Ø20H7 resp. Ø15H7, 40 mm long, with feather key according to DIN 6885
bearing:	deep groove ball bearings
max. drive speed:	3000 r.p.m.
max. torque:	15 Nm
fitting position:	any
weight:	3 kg
ambient temperature:	-25 °C to +90 °C
storage temperature:	-30 °C to +100 °C

Table of dimensions:

type	driving spindle (input) d1 [mm]	hollow shaft (output) d2 [mm]	height H [mm]	suitable for rotary cam switch
WG 60	Ø20h6	Ø20H7	60	GSW100, GSW100E, GSW100M
WG 71	Ø15h6	Ø15H7	71	LNSE, LNSW

Ordering instructions for angular gear unit:

type

Example:

WG 71



Fig. 2.2.1:
Angular Gear Unit WG

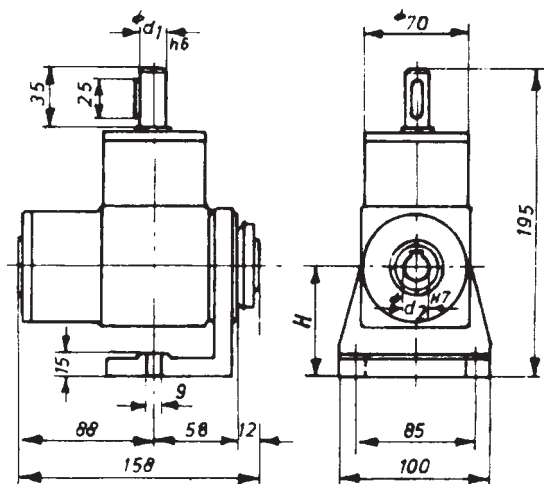


Fig. 2.2.2: Dimensioned Drawing WG