

# SPIROPLAN®

## right-angle gear units

### W..9/W..9HG



#### Potential uses / typical applications



##### Wastewater technology

- Sand trap with scraper
- Secondary clarifier with rotary scraper
- Sludge thickener



##### Mobile logistics applications

- Travel drives
- Load handling devices
- Pallet transfer shuttles



##### Vertical conveyors

- Lifting stations
- Transfer units

#### The advantages at a glance



##### Lightweight!

Particularly beneficial for lightweight machine designs and mobile applications.



##### Efficient!

Low energy costs thanks to energy-efficient gear units with a high level of efficiency across the entire gear ratio range.



##### Quiet!

Low noise development and quiet operation at any speed, for reduced noise levels at nearby workstations.



##### Future-proof!

Using the latest technologies in both the gear unit and motor ensures long-term availability and functionality.

#### Overview of the technology



Solid shaft with key and flange



Hollow shaft with keyway



Hollow shaft with key and flange



Hollow shaft with shrink disk and flange



Hollow shaft with shrink disc



Hollow shaft with shrink disk in TorqLOC® design



Hollow shaft with keyway and torque arm

| Gear unit size                         | W..19 (NEW)   | W..29            | W..39            | W..49 (NEW)      | W..59 (NEW)      |
|----------------------------------------|---------------|------------------|------------------|------------------|------------------|
| <b>M<sub>amax</sub> Nm</b>             | 80            | 130              | 200              | 400              | 600              |
| <b>Gear ratio i (W..9)</b>             | 5.90 – 167.59 | 4.68 – 188.47    | 4.72 – 210.49    | 7.22 – 200.76    | 6.76 – 213.21    |
| <b>Gear ratio i (W..9HG)</b>           | –             | 203.19 – 2100.14 | 233.35 – 2355.20 | 224.25 – 2426.20 | 262.28 – 2123.38 |
| <b>Motor power range kW</b>            | 0.09 – 0.75   | 0.12 – 1.1       | 0.12 – 1.5       | 0.12 – 3.0       | 0.18 – 4.0       |
| <b>Hollow output shaft diameter mm</b> | 18 / 20       | 20 / 25 / 30     | 25 / 30          | 30 / 35          | 35 / 40          |
| <b>Flange diameter mm</b>              | 110 / 120     | 120 / 160        | 160 / 200        | 160              | 200              |