

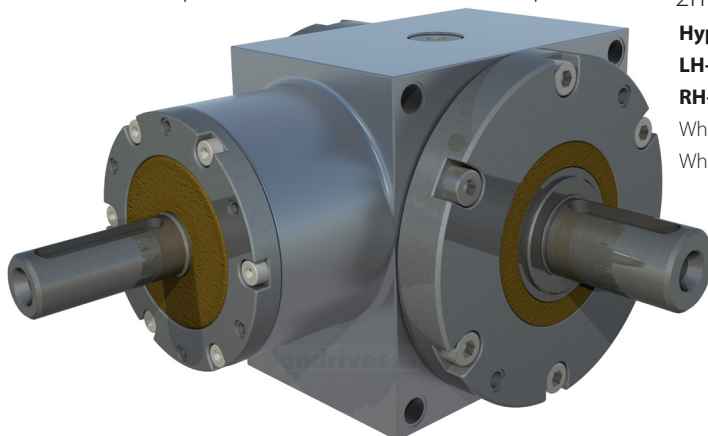
HYSB-9

# ondrives

Precision Gears

## Hypoid Gearboxes 9mm Offset

14mm Input Shaft • 20mm Double Output Shaft •  $T_{2n}$  20-40Nm **3:1 - 15:1**



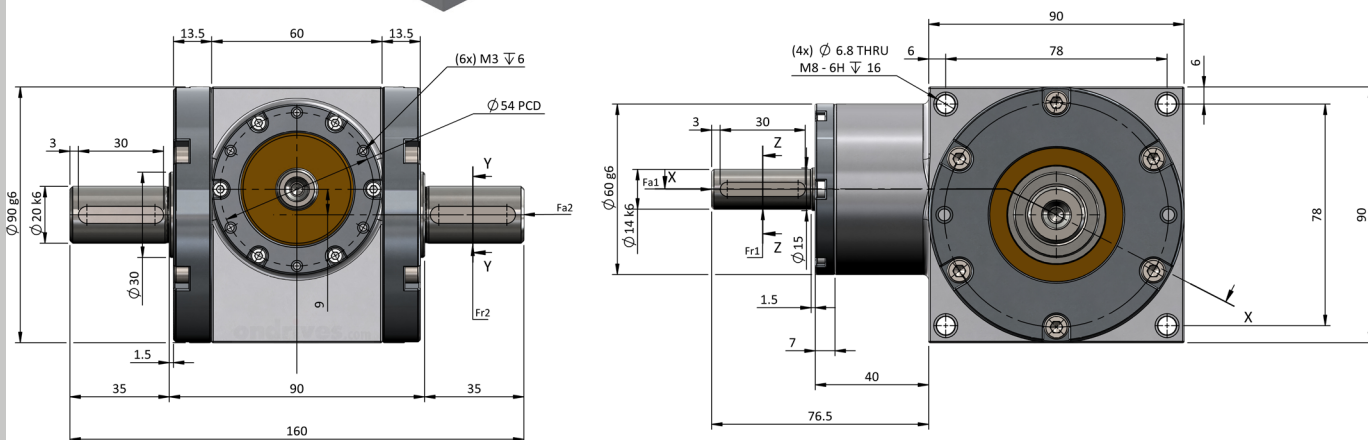
### Hypoid Gear Rotation Direction.

**LH-Left Hand Pinion Lead**

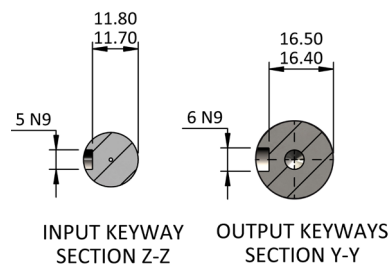
**RH-Right Hand Gear Lead**

When input rotation is clockwise, output gear is pushed away from input.

When input is counter-clockwise, output gear is pulled towards input.



Part Numbers			
Output Backlash j	Gear Ratio i	Nom. Output Torque	Efficiency $\eta_z$
$\leq 6'$ ( $\leq 0.1^\circ$ )		S5 $T_{2n}$	n1nom
HYSB-9-3	3:1	40Nm	96%
HYSB-9-5	5:1	40Nm	96%
HYSB-9-6	6:1	35Nm	96%
HYSB-9-8	8:1	35Nm	96%
HYSB-9-10	10:1	30Nm	96%
HYSB-9-12	12:1	25Nm	96%
HYSB-9-15	15:1	20Nm	96%



**Weight:** 3.5 kg.

**Nom. Input Speed [S5  $T_{2n}$ ] n1nom:** 1,500  $\text{min}^{-1}$  (r/min)

**Max. Input Speed n1max:** 5,500  $\text{min}^{-1}$  (r/min)

**Shaft Seals:** Fluoro-Elastomer FPM ISO 1629 /FKM ASTM D141 H

**Lubrication:** Klubersynth GH 6-220 Fully Synthetic Polyglycol Oil.

**Lubrication Temperature:** Max. Operating  $\approx 95^\circ\text{C}$ .

**Max. Input Radial Load  $F_{r1}$ :** 500N.

**Max. Input Axial Load  $F_{a1}$ :** 200N.

**Max. Output Radial Load  $F_{r2}$ :** 2500N.

**Max. Output Axial Load  $F_{a2}$ :** 1000N.

Testing in your application is necessary.

You will need to assess duty cycles and confirm suitability with your own calculations.

Figures listed are for guidance only.

Lubrication filled with Klubersynth polyglycol GH6 synthetic high performance oil - not to be mixed with other types - VG ISO depends on speed/application.

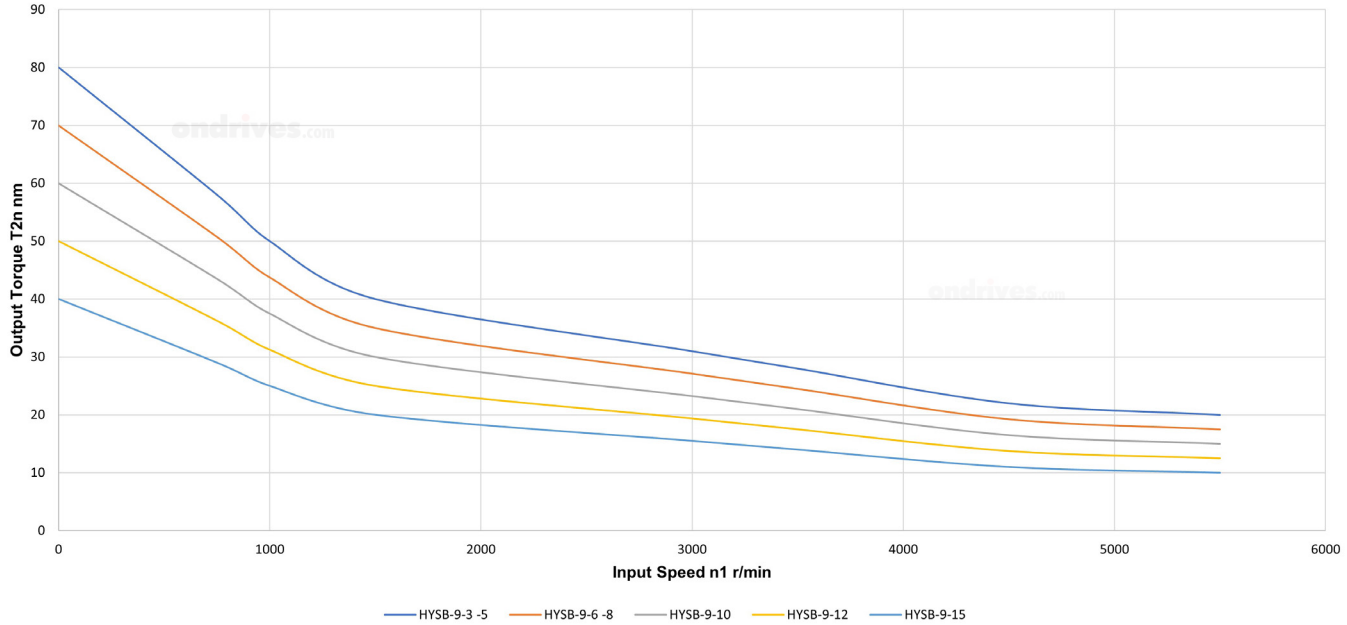
Cooling may be needed dependent on application.

Low Offset Hypoid Reducers

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HYSB Series Hypoid Gearboxes



Low Offset Hypoid Reducers