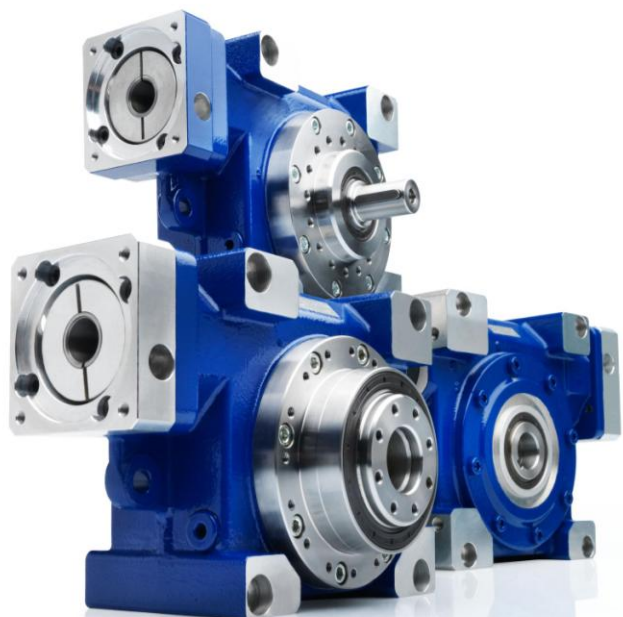




WITTENSTEIN

The Reinvention of the Servo Worm Gear

50% more torque to set the new standard



V-Drive+



V-Drive Economy

WITTENSTEIN Ltd has embarked on a series of totally new developments. In response to the changed situation in the market WITTENSTEIN has developed the V-Drive+ Servo Worm Gearhead that meets every possible requirement for resource-efficient servo applications along with being predestined for applications where space is very restricted. What is particularly exceptional is the reduction in circumferential backlash, in the course of the service life that is otherwise unavoidable with worm gear units has been reduced to a defined minimum by optimising the special concave-profile teeth. The concave teeth also assure consistently high positional accuracy giving up to 50% more torque.

The V-Drive economy series with a circumferential backlash < 8 arcmin is now available as an economical alternative to the V-Drive+. This gearhead family is likewise based on the superior concave-profile tooth principle, which unites very high torques with efficiency unrivalled by other worm gearheads. Whereas the V-Drive+ is perfect for precise applications the V-Drive Economy range is for your applications requiring less precision and has evolved from the well established V-Drive range.

See page 2 for technical information at a glance...



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Technical information at a glance

V-Drive+ / V-Drive Economy



V – Drive+

Up to 50% higher torques

Extremely high power density

Very high efficiency (up to 97%)

Optimised concave-profile teeth assure sustained positioning accuracy and high overload protection

Possibility of downsizing

4 Sizes (050, 063, 080, 100)

6 ratios (4, 7, 10, 16, 28, 40)

Several output variants:
Hollow shaft (VDH)
Solid shaft (VDS with SP flange)
Option of output on one or both sides (VDS)
Flanged Output (VDT)

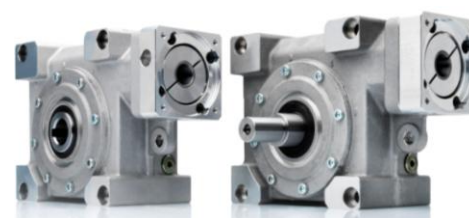
Combines perfectly with rack & pinion

Synchronous running < 1 arcmin

Very smooth running < 62 dB (A)
(measured at 3000 rpm)

Circumferential backlash < 3 arcmin

Available in washdown



V – Drive Economy

Circumferential backlash < 8 arcmin

Optimised concave-profile teeth assure sustained positioning accuracy and high overload protection

Very high efficiency (up to 97%)

2 Sizes (050, 063)

5 ratios (7, 10, 16, 28, 40)

Several output variants:
Hollow shaft (VDH)
Solid shaft (VDS with SP flange)
Option of output on one or both sides (VDS)

For further information about our company or our product range please contact us:

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