



## Product Overview

VORTA ULTRA HY-Speed 2 is specifically designed for the effective lubrication and protection of all types of bearings where an extreme high speed, low noise, grease is required.

Particularly where bearings require grease with a dmN factor of 1 million or more.

VORTA ULTRA HY-Speed 2 provides an economical method of achieving minimal lubrication and maintenance free operation over long periods, without the need for oil mist or other external lubrication systems.

VORTA ULTRA HY-Speed 2 permits the use of simple closures and provides some degree of protection against the ingress of contaminants.

## Features and Benefits

VORTA ULTRA HY-Speed 2 has a wide temperature resistance – ranging from -40°C to +120°C.

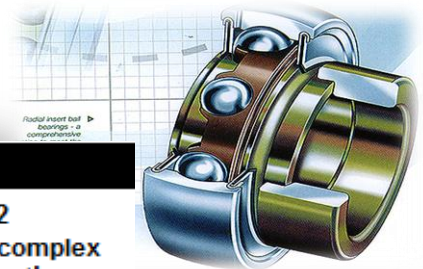
- VORTA ULTRA HY-Speed 2 is excellent for use at high speeds with a speed rating of  $1.35 \times 10^6$  (1,350,000) dmN.
- VORTA ULTRA HY-Speed 2 has good anti-wear performance with a weld load of 200kg.
- VORTA ULTRA HY-Speed 2 provides a long lasting lubricant film even at extreme high speeds and eliminates the need for an external oil lubrication system.
- VORTA ULTRA HY-Speed 2 is designed to be a low noise grease which is ideal when used in applications such as high speed spindles and other high speed applications found throughout industry.

## Directions for Storage and Use

- VORTA ULTRA HY-Speed 2 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- VORTA ULTRA HY-Speed 2 is compatible with other soap thickened greases. However, for best results the previous lubricant should be removed prior to application.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

## Typical Applications

- VORTA ULTRA HY-Speed 2 is designed for ball and roller bearings found in all types of industrial applications, particularly those in extreme high speed situations.
- VORTA ULTRA HY-Speed 2 is an excellent bearing grease for high speed spindles commonly found on machine tools such as CNC lathes, grinders and milling machines.
- VORTA ULTRA HY-Speed 2 also excels in applications such as electric motor and fan bearings.



VORTA ULTRA HI SPEED 2			
NLGI Classification	2		
Thickener	Lithium complex		
Texture	smooth		
Base Type	Synthetic Blend		
Fluid Viscosity @ 40°C	IP 71	cSt	11
Fluid Viscosity @ 100°C	IP 71	cSt	2.9
Speed Factor (n x Dm)	1350000		
Operating Temp	°C		-40 to 120
Rusting Test	IP 220	Rating	0
4-ball weld load	ASTM D2596	Kg	200
Stability	ASTM D942	psi	1.5

