

ZAE MULLER

Presentation of Company

The company's policy has always been based on constant RESEARCH and DEVELOPMENT and it has allowed Zae Muller gear manufacturing high-tech products with high performances and excellent reliability. These products are obtained with careful selection of raw materials and components, a machining an advance CNC machine tools, a careful check of any parts during the entire machining process and finally a through experience in assembling.

The end tests, which all Zae Muller gear boxes are subjected to, before leaving from the factory, are best proof of their quality.

Presentation of Product

Zae Muller gear reducer, in order to consolidate, is leadership in this field, aimed the goal to improve themselves, according to the market's needs more and more demanding. The constant research and development, progress in innovation, typical of the company, have brought forth the project and manufacturing of the parallel shaft and helical bevel gears reducers type SZ, FZ, FZV & FZRV.

In all the company activity, thinking ahead means always focusing, on surpassing the present, striving to keep at the reading edge of technical and market developments in the Power Transmission sector.

Casing

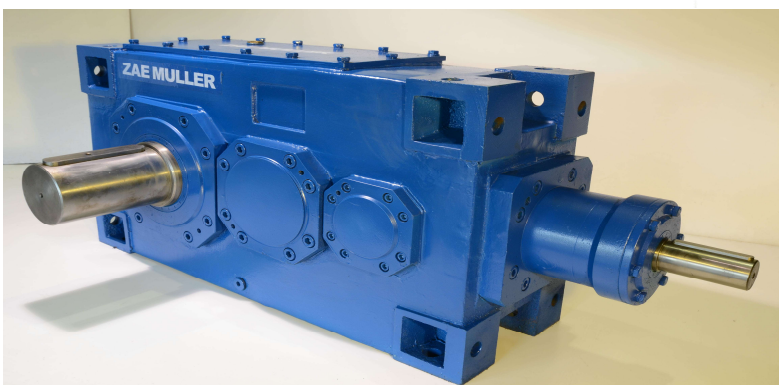
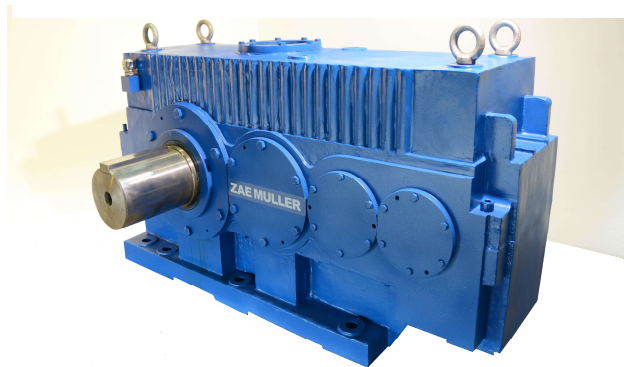
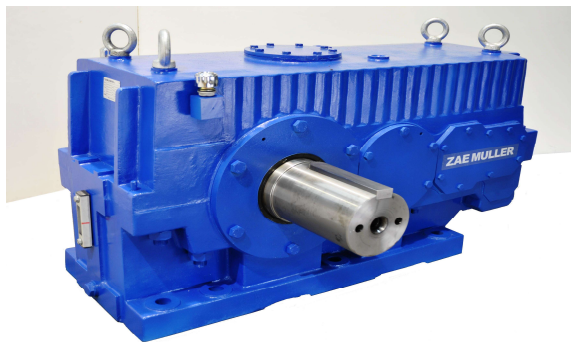
The casing of the gearboxes is made of high quality grey graphite G25 with robust construction with good damping properties for low noise and vibration level.

Shaft seals

The shaft seals are made out of VITON material to withstand higher oil temperature

Shaft Bearings

The shaft bearing are made out of full type roller bearings with a long lifetime span and with stand high capacity.



DRIVES OF THE FUTURE

Gears

The design and manufacturing are carried out according to the severe AGMA 2001 Standards (American Gear Manufacturers Association) or the gears quality are according to DIN 3990/1

The gears are made of cast steel type 18 CrNiMo5 and have a helical toothing with case hardened to surface hardness 59 to 62 HRC. The profile is ground and skived to AGMA 6 quality so to ensure the lowest noise and an efficient use.

Ensure higher performance

Optimizing the parameters typical of the gears (modulus, number of teeth pressure angle, helical angle, toothing width,..) Zae Muller has realized a product characterized by top performances.

Due to the particular device adapted during their study and manufacturing, the new parallel axis gearboxes are able to transmit high torque related to their size and to accept very high input speeds, with low noise level and excellent efficiency.

