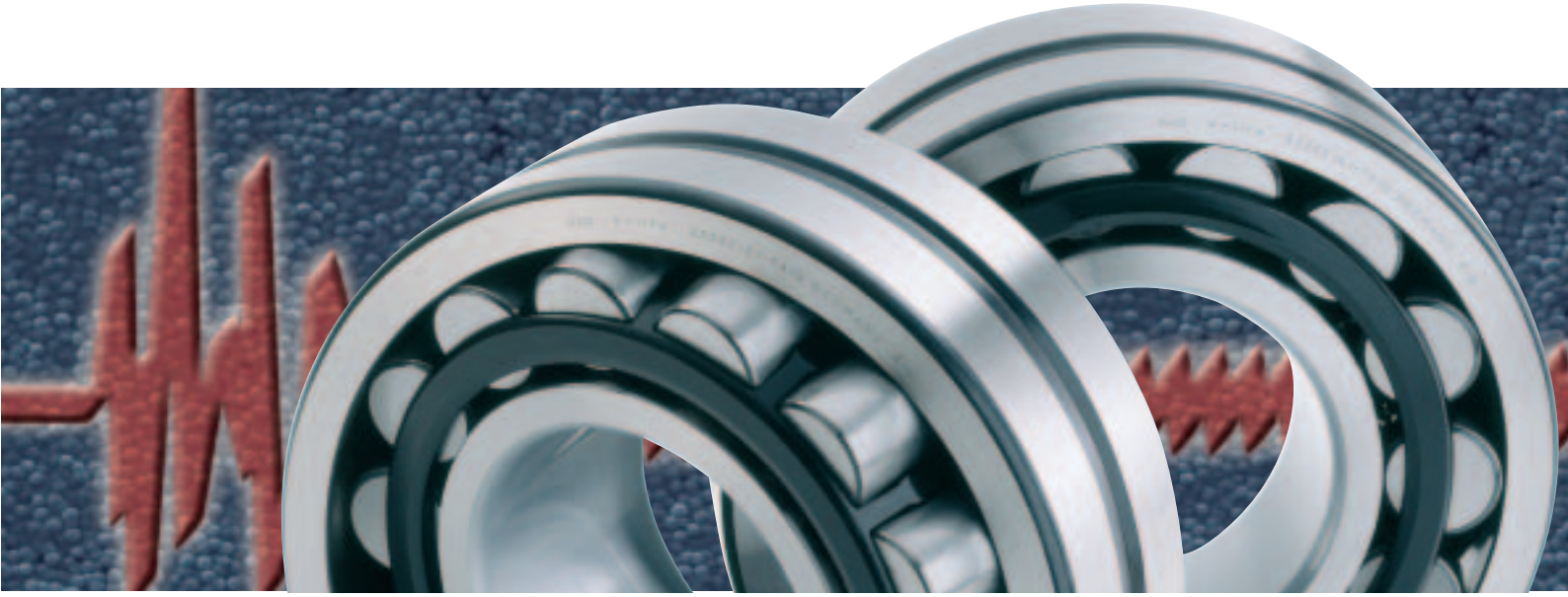
FAG



FAG Special Spherical Roller Bearings with Thin-layer Chromium Plating

for Vibrating Screens

SCHAEFFLER GROUP
INDUSTRIAL

FAG spherical roller bearings for vibrating screens

Operating conditions for FAG spherical roller bearings in vibrating screens

Vibrating screens, which are used for grading material and other vibrating machines, are among the most severe bearing mountings encountered in machinery construction.

FAG spherical roller bearings with a thin-layer chromium plated bore

In order to prevent fretting corrosion between the bearing bore and the shaft, FAG supplies spherical roller bearings with a thin-layer chromium plated bore.

This ensures that the displacement ability (floating bearing function) between the bearing bore and the shaft, which is necessary due to thermal influences, is maintained for a long period of operation.

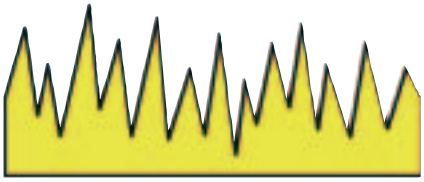
Coating

Reliably support strong vibrations:
FAG spherical roller bearings with thin-layer chromium plating in vibrating screens

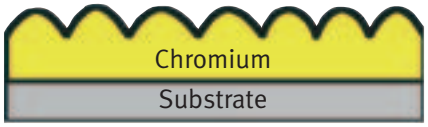
Duralloy® - TDC

- Coating thickness 1.5 – 3 µm
- Hardness 950 – 1300 HV
- Corrosion protection to DIN 50021 SS 120 h
- Chemical resistance

without coating



with coating



Pressed steel cages

Advantages:

- free space for lubricant
- good oil – and grease compatibility
- extreme operating temperatures
- high stability
- light weight

For detailed information, please see WL 21 100 / 4 DA (German edition only)

Welcome to the double world class of INA & FAG

X-life – this is the new premium grade from INA and FAG, offering you new opportunities for success.

Benefit from the combined expertise of two rolling bearing manufacturers with a worldwide reputation – in every area of application covering automotive, machine building and precision engineering.

INA and FAG have brought together their strengths to give a new dimension in quality:

X-life.
Higher cost-effectiveness.
Higher operational security.

What X-life offers:

X-life offers excellent product quality that far exceeds previous standards.

Furthermore, X-life optimises all the parameters that are decisive for a problem-free production cycle. This includes correct fitting and dismantling, maintenance intervals matched to the specific application and the selection of lubricants matched to operating conditions.

A further convincing advantage of X-life is product characteristics that fulfil your specific requirements and offer additional benefits: for example particularly lownoise, maintenancefriendly or high load capacity system solutions.

Your X-life advantages at a glance:

- product characteristics far above the norm
- lasting quality assurance and control
- extremely high reliability
- even greater security in planning and systems
- optimum availability
- smooth-running working processes
- reduced energy consumption
- the maximum possible costeffectiveness
- the maximum possible level of service and support

The dimensions and tolerances of the bearings with a thin-layer chromium plated bore are in accordance with DIN/ISO rules and are interchangeable.

Bearings 22317-E1-T41D through 22322-E1-T41D come with a thin-layer chromium plated bore and will be available in January 2006.

Ordering example : 22320-E1-T41D

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