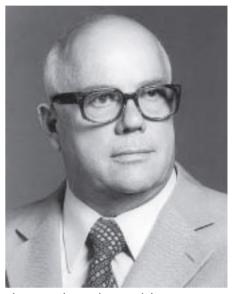
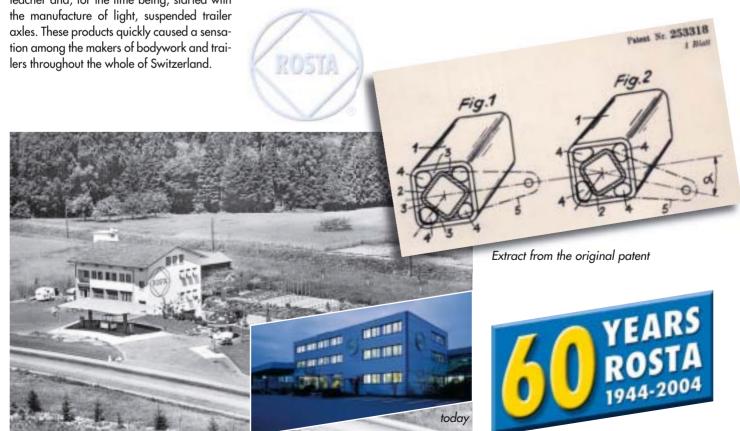


Rubber suspension units from ROSTA – over 60 years!

The ingenious idea of designing a suspension unit from two square profiles and four rubber bodies originally came from a subject teacher at the Technical High-School (Technischen Berufsschule) in CH-5600 Lenzburg. In the year 1942, he applied for a patent for his invention. Due to the absence of suitable applications and the lack of a possibility of manufacturing suspension units, the invention «slumbered» for some years. In the middle of the Forties, the teacher showed his patent and the design sketches to Ernst Rohr senior, a small manufacturer of agricultural trailers working in vicinity, and asked him to make up a few prototypes of this vehicle suspension system. Mr. Rohr from Staufen, the founder of ROSTA AG, quickly became aware that this patent not only covered a wheel suspension, but also a compact machine component that could provide elastical suspension, damping and support at the same time. He bought the marketing rights for the patent from the teacher and, for the time being, started with The machine tools of the then ROSTA-WERK AG were all still operated by a central transmission shaft; many flat-belt drives led to the various turning lathes, punches and millers. In those days, excessive belt slip was just one of the problems of everyday manufacture until the factory foreman took one half of a rubber suspension axle and a roller, and, from them, manufactured the first self-adjusting **belt tensioner**. This idea was quickly taken up by the company founder and was successfully marketed; today, ROSTA AG manufactures approximately 400,000 standardised chain and belt tensioners per year. This mass production of tensioning elements was soon followed by series of vibrationdamping machine components for the suspension of screens, gyratory sifting machines and conveyor troughs, today's core business of ROSTA AG.



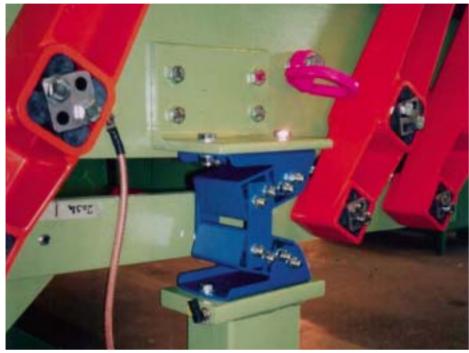
The man who implemented the ingenious idea: company founder Ernst Rohr senior



Where it all began: the first ROSTA-WERK AG building (approx. 1953)



Let's talk about oscillating conveyor te



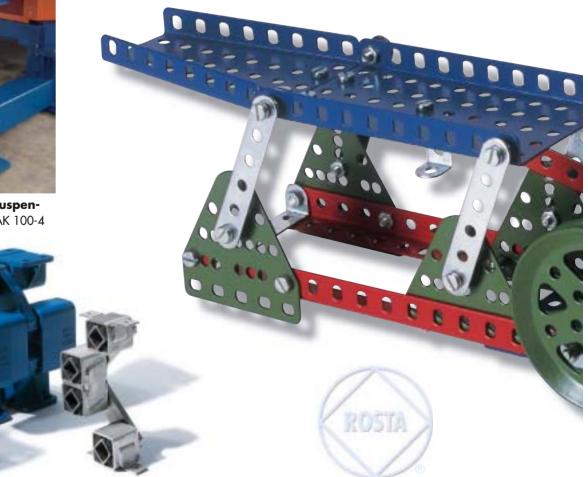
Two-mass conveyor trough with double rockers, Type AD 45

Many industry insiders in the screening and oscillating conveying machine technology have a common «Credo»: **«Every new concept brings new realisations!»** For many years, many standard oscillating conveyor troughs with lengths of twelve metres have run without problem and provided complete satisfaction for certain manufacturers. – And then, the first installation with a length of fifteen meters using the same design lets down all the former good results with a much lower material throughput, the appearance of vibration nodes and material fatigue fractures in the trough structure.

The screening and oscillating conveyor technology is subject to very specific physical laws, which need to be mastered. And it is this very fact that makes the design of the very efficient and long-lasting machines of the modern bulk material processing interesting to technicians and «tinkerers», who, in



Gyratory sifting machine suspension with universal joints, Type AK 100-4





echnology - a child's play with ROSTA!

addition to screening and transportation, design installations that also rotate the product about its own axis, or that move it forwards or backwards on the screen plane, depending on specific weight. To some extent, the oscillating conveyor technology opens up undreamed-of possibilities for economical material handling for the modern processing industry.

Whatever kind of machine is being planned, it is almost impossible not to consider the use of ROSTA oscillating mountings in the construction! Tailor-made oscillating machine suspensions from ROSTA, together with our many years of know-how, which we are happy to pass on, turn avant-garde oscillating machine engineering into child's play!



Single-mass resonance trough for castings with Type AU 45 oscillating mountings and DO-A spring accumulators



created by Roberto Cereda, ROSTA S.r.l., I-Milano



New product!

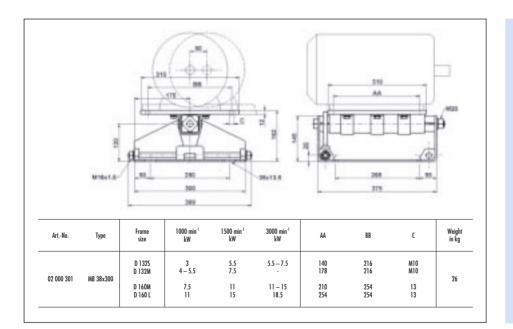
ROSTA Type MB 38 motor base, the price-breaker for the self-adjusting suspension of belt drives from 3.0 to 18.5 kW!

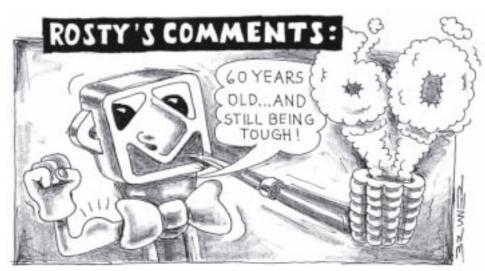
The new ROSTA motor base **Type MB 38** for motor frame sizes from **132 S** to **160 L** is now available on the drive component market – compact, operator-friendly, ready for immediate installation and cost-effective. Its new features are, above all, the price, the ready-to-install design and the simplest-possible installation procedure with the new pretensioning device.

With the new **horizontal** aligned finethread adjusting spindle, both the pre-tension and the necessary inclination of the motor plate can be simply adjusted. The ready-to-



use construction, the belt track adaptation and the fast clamping system make the MB 38 absolutely revolutionary and extremely user-friendly in comparison with alternative and predecessor models! The frequently occurring «outside applications» in screen drives, crushers and air conditioning systems have been taken into account through the galvanisation of the components.





The ROSTA motor base suspensions for friction belt drives

are

- self-adjusting
- non-slip
- overload-proof
- easy on the belts
- vibration-reducing
- and absolutely maintenance-free!
- = the most cost intensive customer benefit!

Publisher:

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