Kuhn Special Steel

High Performance Key Components

Pump and valve construction

Stainless Steel Components for Ball Valves and Pumps by Kuhn Special Steel

Progress by rotation

We cover all production processes, from centrifugal casting to the manufacture of individual, installation-ready components such as shaft protection sleeves, thrust rings and split rings. Your advantages are planning reliability and simplified handling of all production steps from one source.

Flexible production processes in both the centrifugal-casting plant and the machine shop allow us to meet our customers' specifications – including those applying to spare parts.

We guarantee compliance to the strictest tolerances and short delivery times.

Kuhn Special Steel is your first choice supplier for balls and seat rings made of special materials due to our expertise in material science and several decades of experience.

Our production plant in Taiwan offers you all the advantages of an experienced, reliable manufacturer combined with a competitive pricing structure.

We cooperate with highly-experienced suppliers of coating technologies. This allows us to offer you individually-customised, highly-precise lapped sealing systems based on balls and seat rings, at all times.

PUMP CONSTRUCTION

Range of dimensions: Ø 60 – 2,300 mm

Materials:

- Ferritic-carbidic: 1.4138, 1.4085
- Martensitic: 1.4027 *[1.4021]*, 1.4059 *[1.4057]*, 1.4088
- Austenitic: 1.4408 *[1.4401]*, 1.4409 *[1.4404]*, 1.4581 *[1.4571]*
- Ferritic-austenitic: 1.4470 *[1.4462]*, 1.4517, 1.4469 *[1.4410]*
- Nickel-based alloys: N26625 *[2.4856]*, N26622*

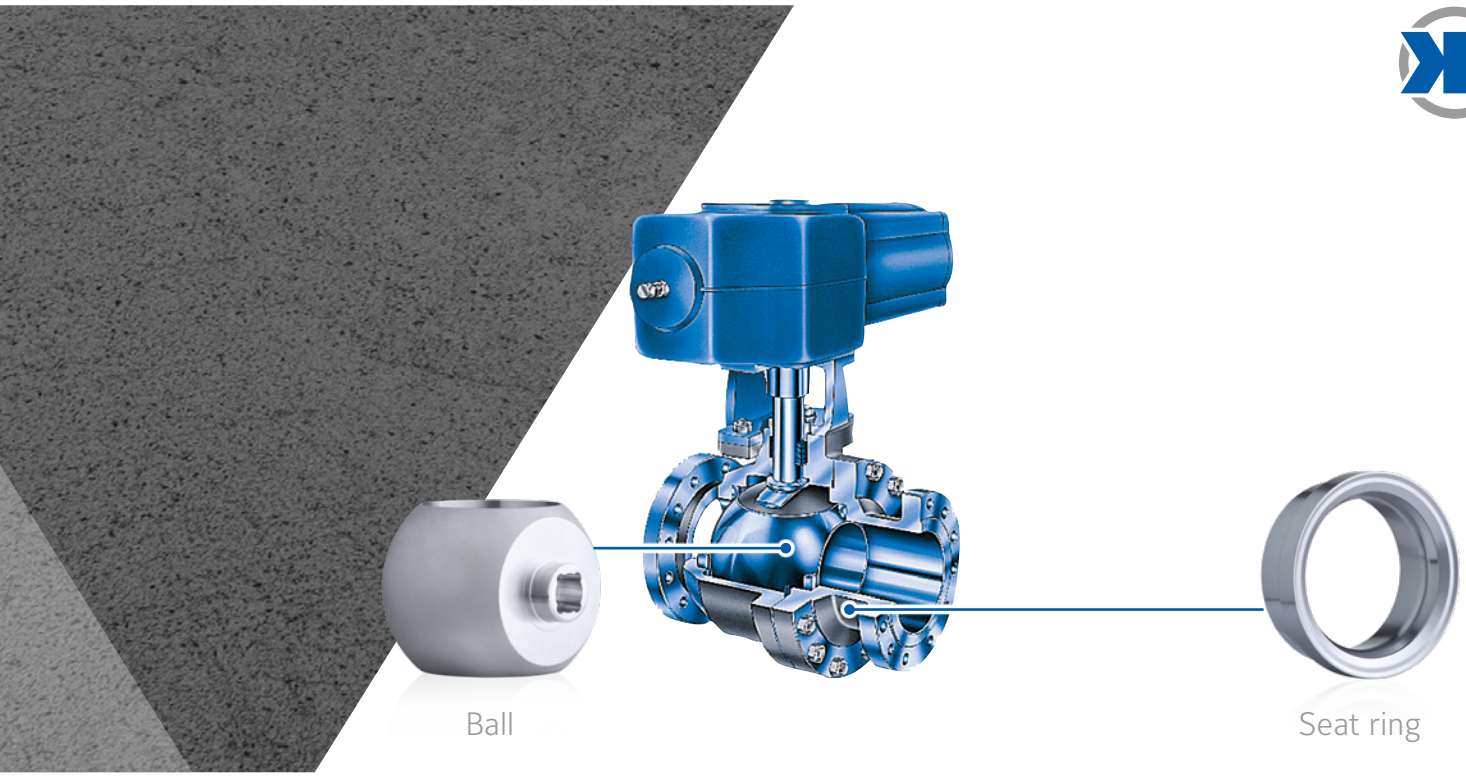
VALVE CONSTRUCTION

Range of dimensions: **Rings:** Ø 60 – 2,300 mm
Balls: DN50 – DN500

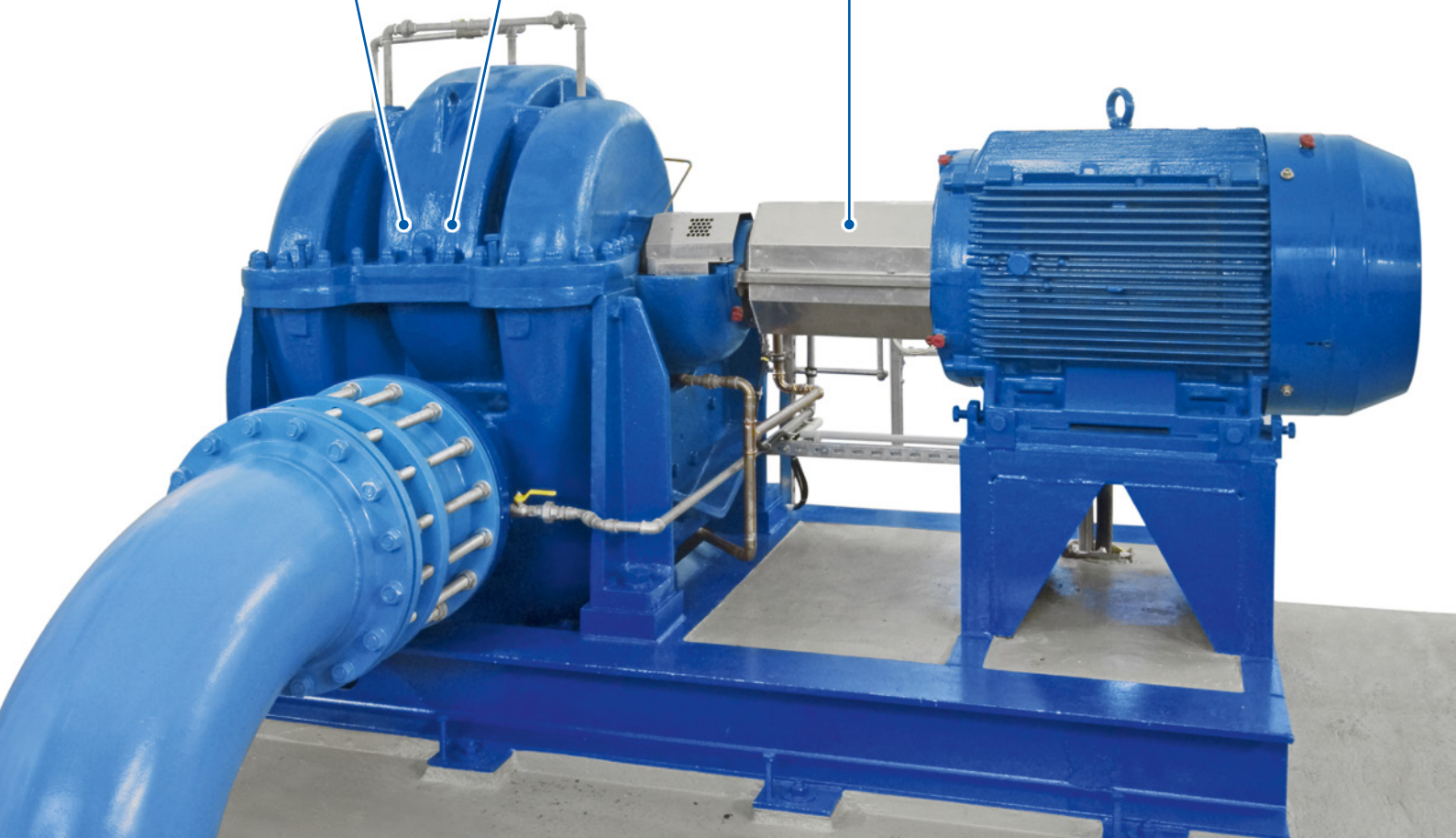
Materials:

- Martensitic: 1.4027 *[1.4021]*, 1.4059 *[1.4057]*, 1.4317 *[1.4313]*
- Hot working martensites: 1.4931 *[1.4922]*, 1.4955
- Austenitic: 1.4409 *[1.4404]*, 1.4308 *[1.4301]*, 1.4581 *[1.4571]*
- Ferritic-austenitic: 1.4470 *[1.4462]*, 1.4093
- Nickel-based alloys: N26625 *[2.4856]*, N26022*

* Materials listed in italics are the corresponding forged alloys


Ball
Seat ring

Impeller wear ring
Split ring
Shaft protection sleeve



A COMPANY OF KUHN INDUSTRIE HOLDING

Even stronger when working together

Kuhn Special Steel is part of Kuhn Industrie Holding. This corporate group brings together all the competence, experience and know-why of technology-leading organisations in the centrifugal casting sector. The merger ensures the permanent exchange of technical expertise and highly qualified personnel, as well as additional flexibility, and guarantees the further development needed to meet the future challenges of our customers.

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