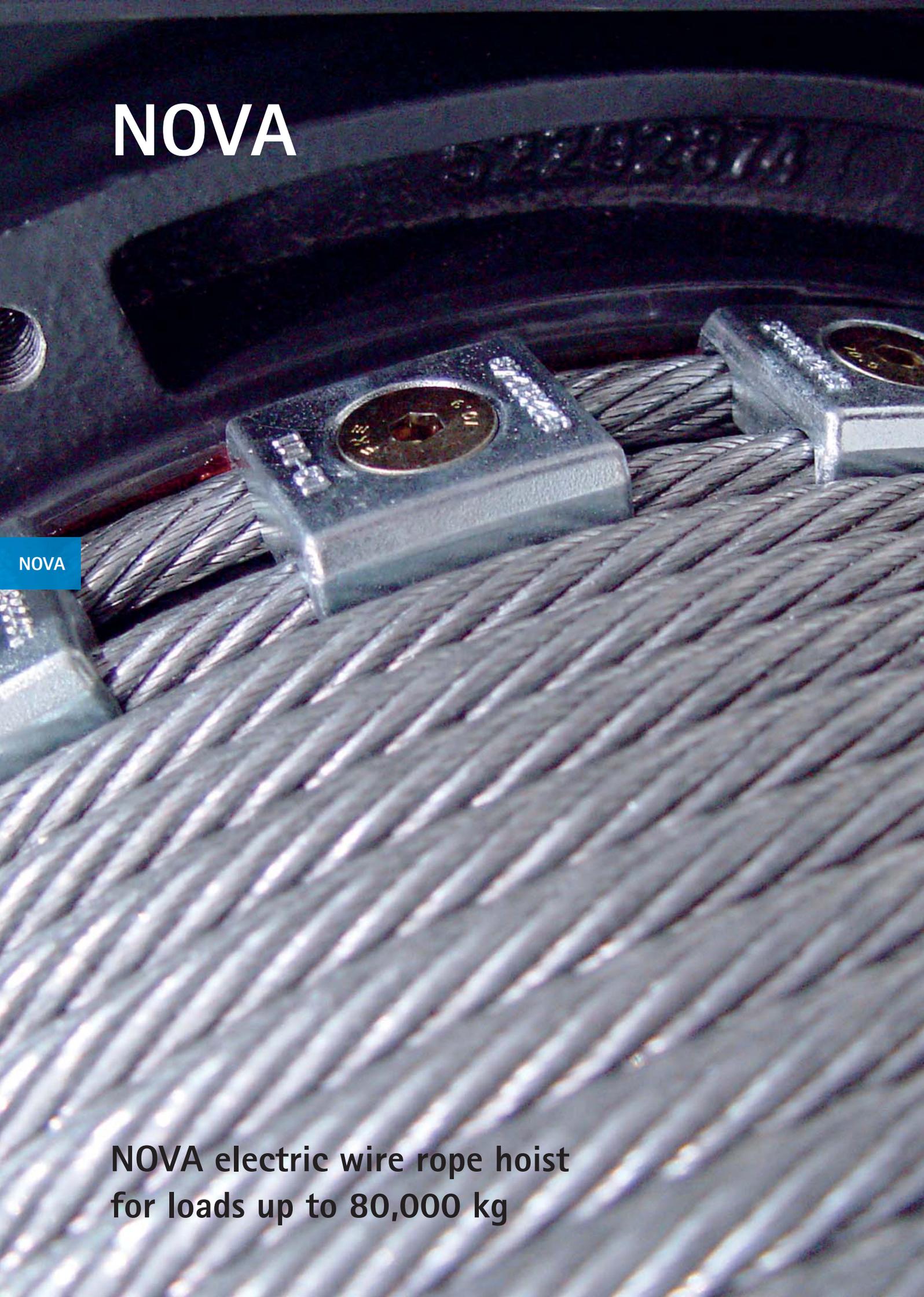


NOVA



NOVA

NOVA electric wire rope hoist
for loads up to 80,000 kg



**In the smallest spaces, you will find our best ideas:
NOVA electric wire rope hoist.**

It's no secret that we are really proud of our NOVA wire rope hoist, because as far as wear and tear, hook movement and approach dimensions are concerned it simply leaves the competition standing. Firstly, someone has to come along and produce something which is even slightly comparable, but even then you would not be satisfied with the copy, would you?

Among experts, NOVA electric wire rope hoists enjoy an excellent reputation, due to their outstanding design and the many extras that come as standard. The NOVA hoists also include a wide range of innovative SWF features such as the incredible ratio between the diameters of the rope drum and the load rope, the powerful drive system, minimum load sway and small approach and structural dimensions. The application of technologies that reduce wear of the high-quality materials guarantees an extended service life of the equipment with high functional reliability. See for yourself what NOVA electric wire rope hoists by SWF can do for you. If you are looking for maximum flexibility, the NOVA is the right solution for you.

- **Optimum space usage**

Compact design and optimum approach dimensions

- **Precise operation**

Minimum hook movement, reduced load sway due to variable speed control of the load via the standardised frequency inverter

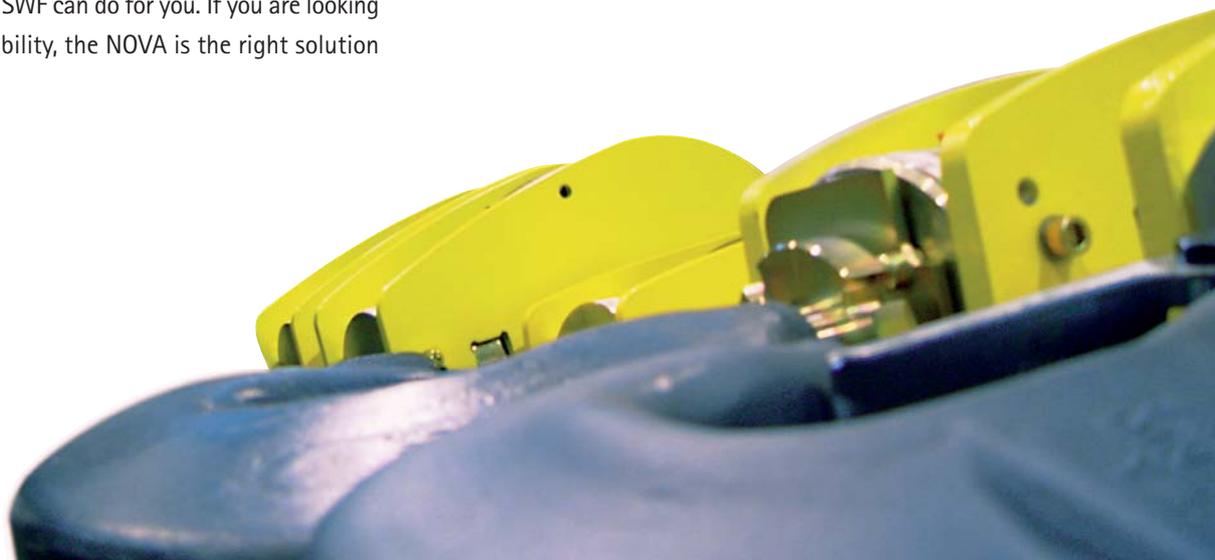
- **Low maintenance costs**

Robust industrial design, standardised model groups

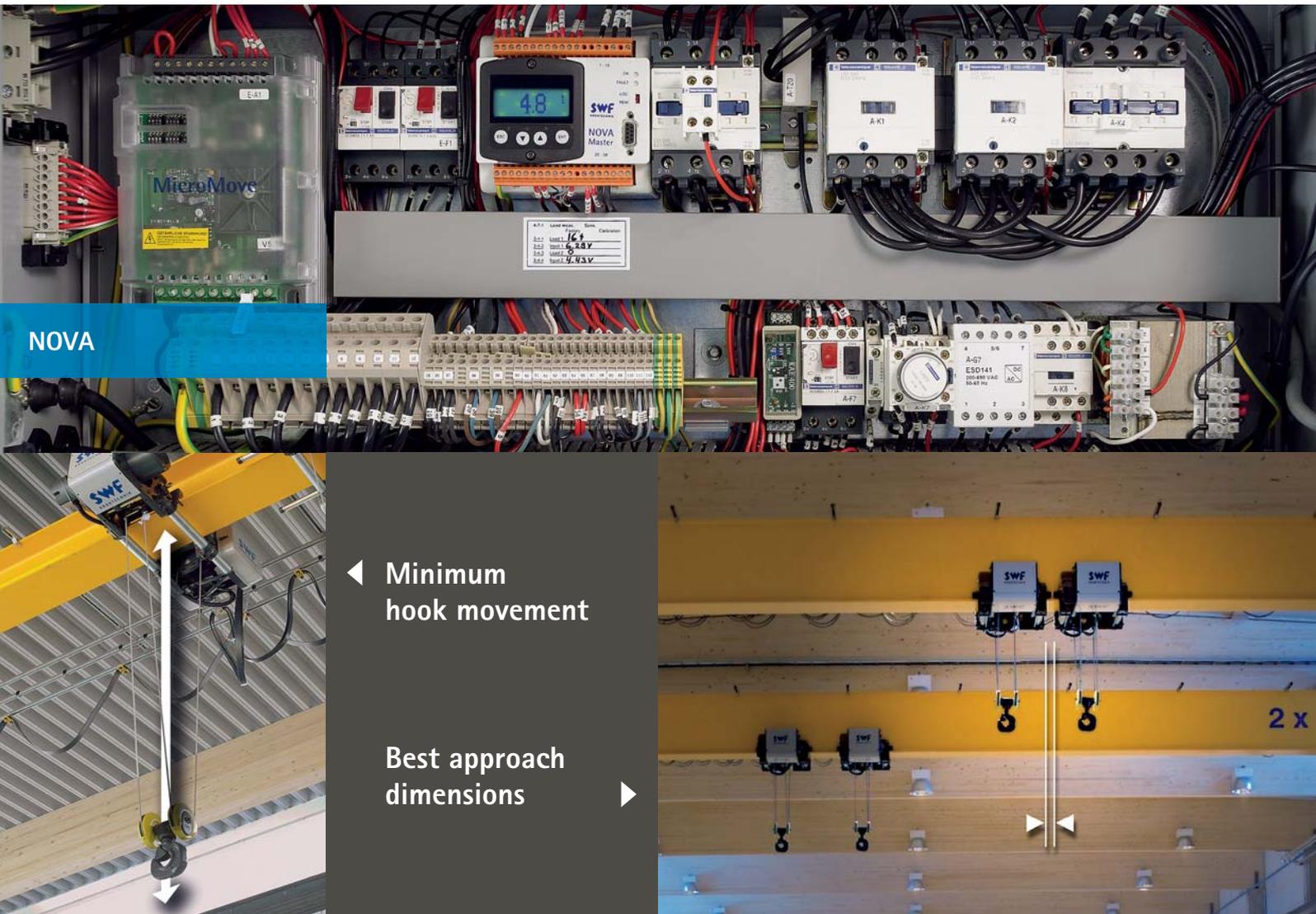
- **Shorter downtimes**

Easy access to the main wear and tear parts, optimum availability of spare parts

Advantage: highest possible efficiency and optimum usage of space

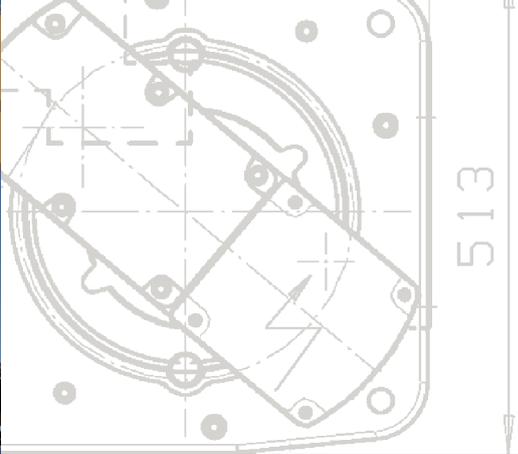


NOVA



We increased the size of the drum and everything else became smaller.

The distinguishing characteristic of the NOVA electric wire rope hoist is the extremely large rope drum, which has a protective effect on the rope. Very safe and efficient operation is furthermore guaranteed by a number of other standardized features, and all that for only a small investment.



- Minimum hook movement
- Minimum hook dimensions
- Minimum approach dimensions
- Minimum load sway
- Minimum wear and tear
- Low maintenance costs
- Low hoist weight
- Short delivery times
- Low investment
- Stationary as a fixed hoist
- 2-speed hoisting motors (6/1), optionally with frequency inverter
- Mechanical, optionally electronic overload protection
- IP55 protection, optionally IP66
- Motor insulation class F
- 48V contactor control, optionally 115V or 230V
- IP65 control pendant with plug adapter and EMERGENCY-STOP
- Travelling machineries with frequency inverter, 2-speed or variable

- Suitable for ambient temperatures of between $-20\text{ }^{\circ}\text{C}$ and $+40\text{ }^{\circ}\text{C}$
- Lifting motor with thermal protection, optionally available for trolley travelling machineries
- 4-step hoisting limit switch with slow-down function and phase mismatch protection
- High lifting speeds
- Motors up to 56 kW
- Lifting heights up to more than 100 m
- Optional with hoist monitoring system NovaMaster and lifting inverter HoistMaster, also for synchronized use
- Large number of special options, such as: articulated trolley, drum brake, load summation, hoist condition monitoring and much more ...

Of course there are some things that you have to forgo with NOVA: for example load sway and hook movement.

NOVA lifts loads with practically no horizontal hook displacement. Load sway is also prevented and safe operation is guaranteed. At the same time this also has an effect on the overall crane costs, which can be considerably reduced.

NOVA adjusts itself to fit your building.

NOVA offers the very best approach dimensions and the smallest possible design size in the wire rope hoist sector. This contributes to an optimum usage of space and a reduction in building costs.



17



NOVA

Here you will find technology
that is setting the standard:



NOVA

NOVA solutions are of particular interest to operators requiring top performance, shortest approach dimensions and low headroom. You'll also be surprised by the technical solutions. For example, loads can be lifted with practically no horizontal hook travel, and moved and positioned with the greatest care and with virtually no swaying via the frequency-controlled trolley system MicroMove. The NOVA products have been designed with maintenance in mind, so that all assemblies can be easily accessed and serviced.

- The innovative NOVA design allows for optimised motor cooling even during heavy-duty operation.
- Both the hoisting motor and gear systems can be easily accessed.
- The brakes are designed to match the service life of the hoisting system (SWP according to FEM).
- Oversized toothed wheels in the lifting gear ensures extremely reliable operation.
- The 4-step gear limit switch is located in the terminal box, which is mounted on the gear box and is easily accessible. This includes a protection step which prevents damaging of the hoist in case of phase mismatch.
- Our NOVA systems feature a modular design that fully dispenses with the need for welded parts.
- The dimensions and performance of the NOVA series sets new standards.
- NOVA is a reliable product made from high quality materials.



Wherever you wish to install an electric wire rope hoist:

Have a look at the NOVA specifications first ...

NOVA F

Fixed hoist,
up to 80 t

- For free-standing installations

NOVA M, H, W

Double girder trolley with
medium, high and low
connection, up to 80 t

- Minimum headroom
- Optimised headroom
- Easily accessible electrical components.

NOVA N

Single girder trolley, normal
headroom, up to 40 t

- Ideal for installation at locations with limited lateral space
- Ideal for extreme hoisting heights and heavy loads

NOVA L

Single girder trolley, low
headroom, up to 12,5 t

- Ideal for extremely short headroom applications



Special and

*“Success is often based upon very special
it’s a good job*

20

Everything is possible.

The success of many of today's successful companies is based upon their own very special competencies, which are either unique or very, very rare. Therefore with stand-ard solutions, it is seldom possible to meet the demands and requirements of today's markets.

More than 85 years ago SWF grew from the idea of finding solutions for things that did not seem solvable. To this day this has not changed, we have simply become more knowledgeable. "Special" often means special solution, special effort and thus special costs.

For this reason most of our components have been designed to be as flexible and cost effective as possible. This allows us to solve most problems with standard equipment, thus enabling us to reduce any individual develop-ments to a minimum. Not only does this offer economical advantages, it also minimises the number of break-downs, wear and tear and service and maintenance costs.

