

# Quality and Know-How in Every Detail

**Clever, modern solutions  
for iron castings**



**DANIA** A/S

### EN 1563 (Nodular-iron)

EN-GJS-350-22

EN-GJS-400-18

EN-GJS-400-15

EN-GJS-500-7

EN-GJS-600-3

EN-GJS-700-2

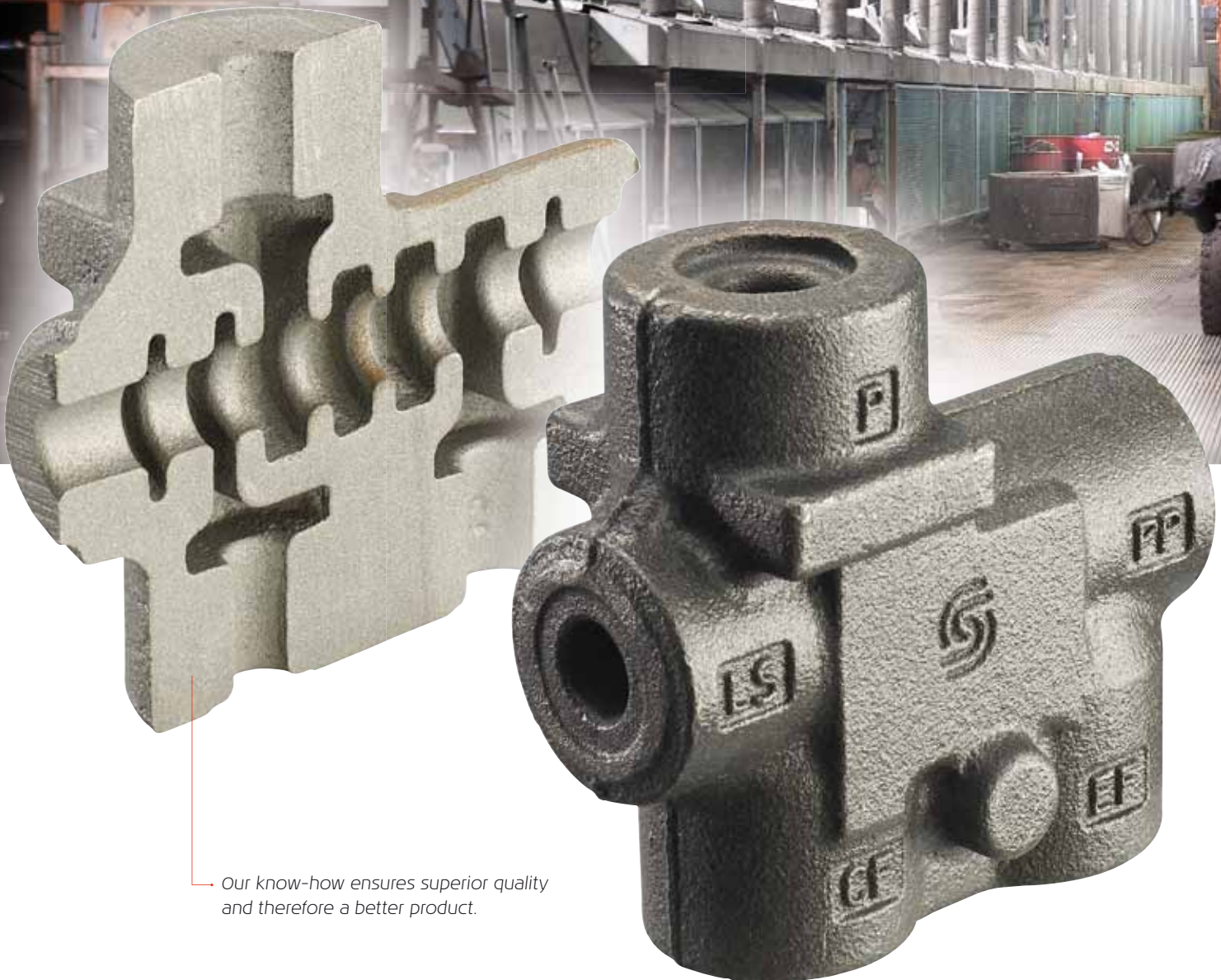
### EN 1561 (Grey iron)

EN-GJL-150

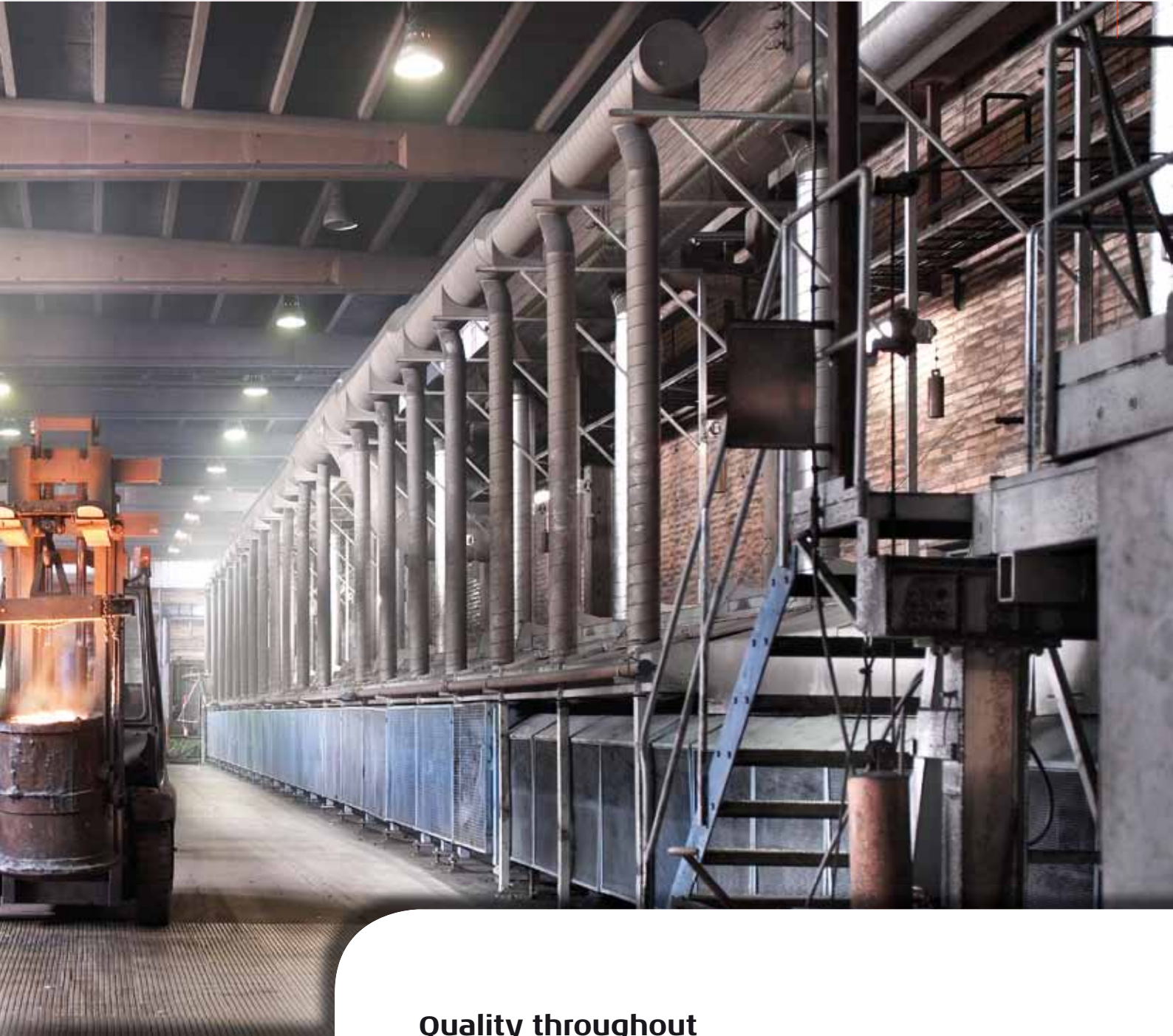
EN-GJL-200

EN-GJL-250

EN-GJL-300



*Our know-how ensures superior quality and therefore a better product.*



### Certificates and standards:

- Quality assurance system  
DS/EN ISO 9001:2000
- Environmental management system  
DS/EN ISO 14001:2004
- Energy management system  
DS 2403:2001

## Quality throughout

Through regular investment in new machinery, new technology, work environment, quality assurance and staff training, Dania is at the forefront of development in the industry and society.

The aim is to ensure customers high and superior quality, flexibility, qualified and constructive dialogue – at all levels – and delivery times that are assured.



Patterns are made based on 3-D files, and technicians simulate solidification and mould-filling.

Modern core shooters with dosing systems ensure fast, rational and accurate production of coldbox, hotbox and croning cores.



Adapter  
9.5 kg



Hose connection  
2.5 kg



Housing  
3.9 kg



Bracket  
3.1 kg



Valve housing  
4.4 kg



Valve housing  
15.9 kg



Control housing  
1.4 kg



Cylindertop  
2.8 kg



Bearing housing  
4.6 kg

HWS with Seitsu system - mould dimensions  
750 x 550 (x300/300) mm.

Automated cleaning with fettling robots  
ensure superior, high quality.



## Consultation and development ensure better products

Thorough groundwork and optimization of the item's shape are essential for good results. Pattern are made based on 3-D files, while technicians simulate solidification and mould-filling. The laboratory conducts regular analyses of the chemical and physical properties, while the inspection department takes measurements in 3-D measurement machines.

## Complex solutions

Thanks to expertise and many years of experience, Dania can deliver complex, core-intensive machine-moulded components in nodular and grey iron, with a casting weight of 0.5 kg - 65 kg. Our efficient and flexible organization ensures accurate and stable deliveries. Complex hydraulic castings are another Dania speciality - which, in fact, benefits all our customers, as all castings are delivered with superior and pressure-proof quality.

## Save time, resources and money

Iron castings require processing, and Dania undertakes this work at its own machine shop. This ensures problem-free order execution, without any shift in responsibility. The machine shop is equipped with high-tech production machinery for processing products or components ready for assembly. This way, you save time, resources and money by letting Dania take care of finishing processing and surface treatment.



Cold box core



Croning core



Croning core



Housing  
2.8 kg



Stator part  
16.6 kg



Core



Hydraulic body  
7.0 kg



Bearing part  
4.7 kg



Casting  
- ready for machining



Buffer part  
21.6 kg



Yoke  
54.0 kg



Finished casting

## Quality throughout



Melting in electric medium-frequency furnaces.

Cleaning in CNC-controlled fettling robots.

Development/construction

Core production

Moulding





Cylinder housing  
7.9 kg



Bearing support  
4.6 kg



Housing  
5.0 kg



Hose protector  
4.6 kg



Cylinder block  
22.1 kg



Wheel hub  
34.6 kg



Gear housing  
14.7 kg



Connection pipe  
8.7 kg

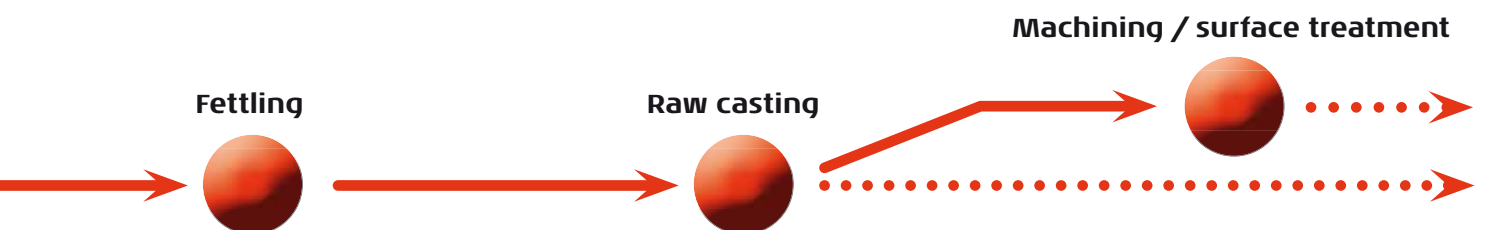


Shutter housing  
11.6 kg



Machining is done in CNC-controlled vertical/horizontal machining centres, with palettes and CNC lathes with rotating tools.

The laboratory conducts regular analyses of the chemical and physical properties, while the inspection department takes measurements in 3-D measurement machines. Dania's extensive quality assurance system ensures that the agreed specifications are respected.





## A strong partner

Dania A/S has provided intelligent, modern solutions for iron castings to quality-conscious customers since 1947.

Our main competence areas are machine-moulded raw or finished cast-iron articles, primarily in medium-sized batches. As a natural part of the development, today we also offer surface treatment and machining from our own machine shop.

Dania constantly strives for improvement and to be customers' preferred supplier and partner. An important factor in reaching this goal is motivated, dedicated and skilled employees who thrive in a good, secure work environment.

The company's spirit and positive atmosphere, of course, cannot be weighed or measured. One can, on the other hand, measure quality assurance, energy and environmental management - areas in which Dania is certified. Likewise, FMEA contributes to increasing process dependability.

Read more about Dania's certificates, positions, policies, procedures and technical information at [www.dania-as.dk](http://www.dania-as.dk).

