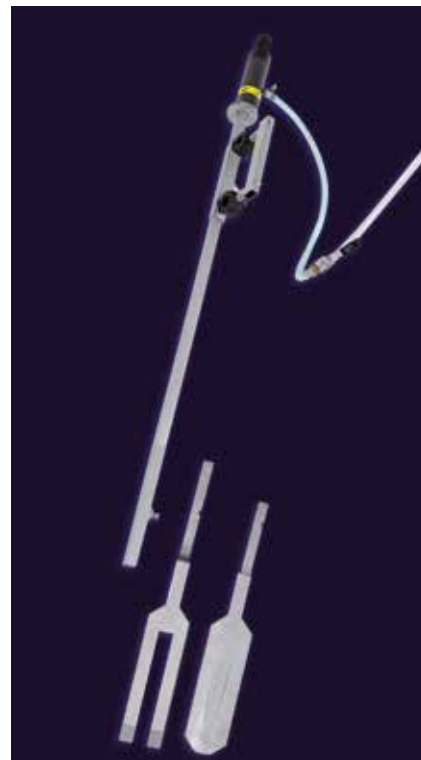
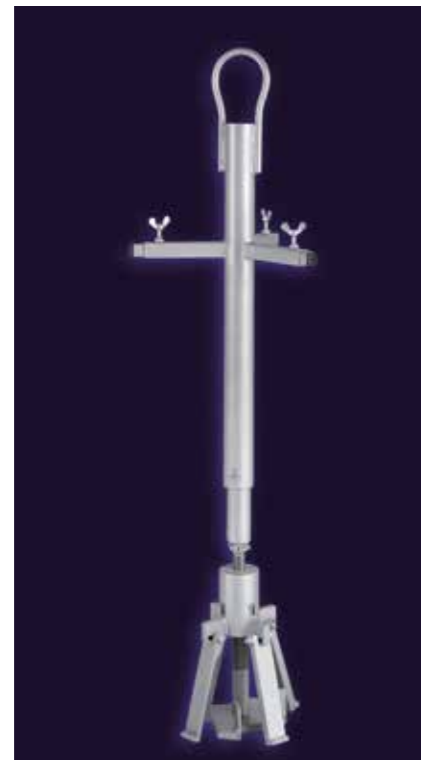


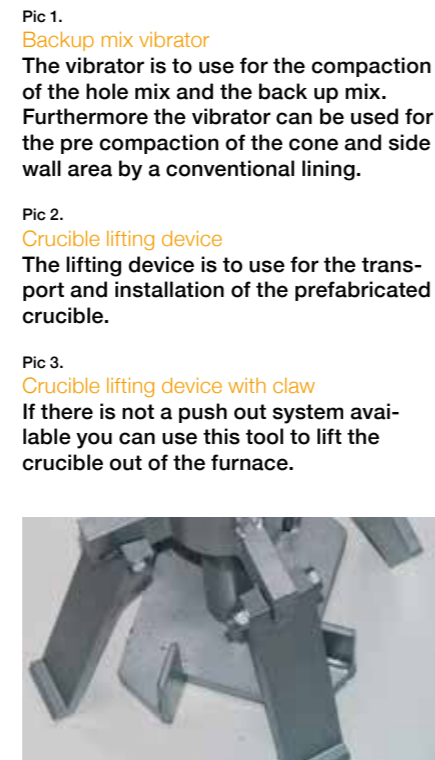
Lining Tools for DORIT Prefabricated Crucibles



Pic. 1 Backup mix vibrator



Pic. 2 Crucible lifting device

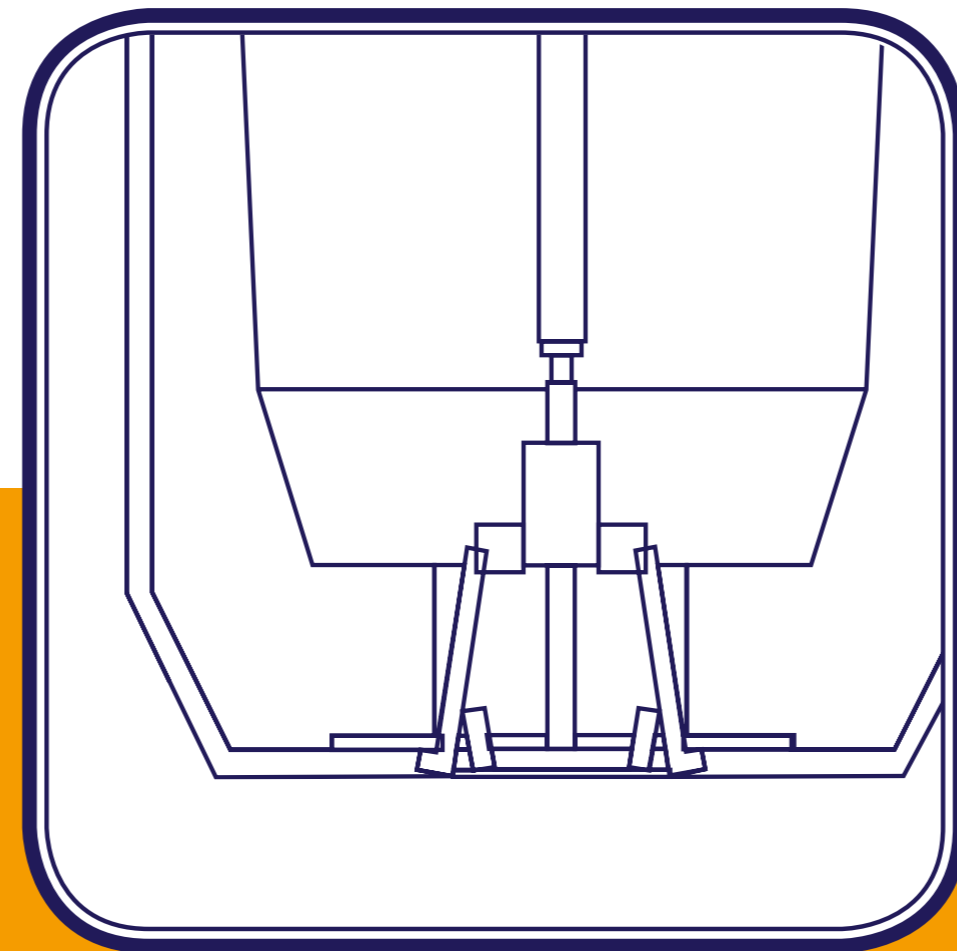


Pic. 3 Crucible lifting device with claw

**Pic 1.**  
**Backup mix vibrator**  
The vibrator is to use for the compaction of the hole mix and the back up mix. Furthermore the vibrator can be used for the pre compaction of the cone and side wall area by a conventional lining.

**Pic 2.**  
**Crucible lifting device**  
The lifting device is to use for the transport and installation of the prefabricated crucible.

**Pic 3.**  
**Crucible lifting device with claw**  
If there is not a push out system available you can use this tool to lift the crucible out of the furnace.



**DORIT Prefabricated Crucible**  
for coreless induction furnaces  
Iron | Steel | Non Ferrous

For over 100 years  
Dörentrup is the partner for  
the foundry industry  
worldwide, built on  
innovations and reliability.

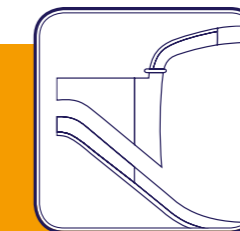
Seit über 100 Jahren ist  
Dörentrup innovativer und  
verlässlicher Partner der  
Gießerei-Industrie. Weltweit.

**Prefabricated Shapes:**  
DFP offers a big selection of prefabricated shapes. We also produce customized products on request.

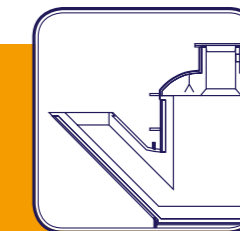
**Fertigbauteile:**  
DFP bietet Ihnen ein breites Sortiment an Standard-Fertigbauteilen. Kundenspezifische Produkte fertigen wir gerne auf Anfrage.

**Lining Tools:**  
Having the right lining equipment is a must when it comes to effectively sealing refractory materials to guarantee an optimal service life of the lining. That's why our range of products includes all equipment for lining vessels and furnaces of all construction types.

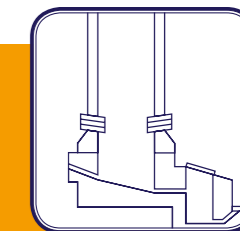
**Zustellgeräte:**  
Spezifische Zustellgeräte sind unverzichtbar, wenn es darum geht, Feuerfestmassen richtig zu verdichten, um so eine optimale Lebensdauer der Zustellung zu gewährleisten. Unser Angebot umfasst daher sämtliche Geräte für die Zustellung von Gefäßen und Öfen aller Bauarten.



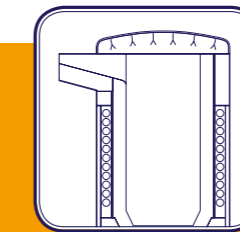
**Ladles, Forehearth, Converter, Runners, Tundish**  
Iron | Steel  
**Pfannen, Vorherde, Konverter, Rinnen, Tundish**  
Eisen | Stahl



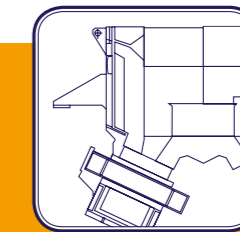
**Holding and Pouring Furnaces, Inductors**  
Iron  
**Warmhalte- und Vergießöfen, Induktoren**  
Eisen



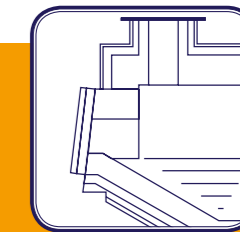
**Cupolas, Rotary Furnaces**  
Iron | Steel | Enamels | Fittings  
**Kupolöfen, Drehtrommelöfen**  
Eisen | Stahl | Emaille | Fritten



**Coreless Induction Furnaces**  
Iron | Steel | Nickel | Special Alloys  
**Induktionstiegelöfen**  
Eisen | Stahl | Nickel | Speziallegierungen



**Melting, Holding and Pouring Furnaces, Coreless Induction Furnaces, Inductors, Ladles**  
Non Ferrous | Copper | Copper alloys  
**Schmelz-, Warmhalte und Vergießöfen, Induktionstiegelöfen, Induktoren, Pfannen**  
NE-Metall | Kupfer | Kupferlegierungen



**Melting and Holding Furnaces, Rotary Furnaces, Coreless Induction Furnaces, Pouring Furnaces, Ladles**  
Aluminium  
**Schmelz- und Warmhalteöfen, Drehtrommelöfen, Induktionstiegelöfen, Vergießöfen, Pfannen**  
Aluminium

**Dörentrup Feuerfestprodukte**  
GmbH & Co. KG

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+49 - 52 65 - 71 61  
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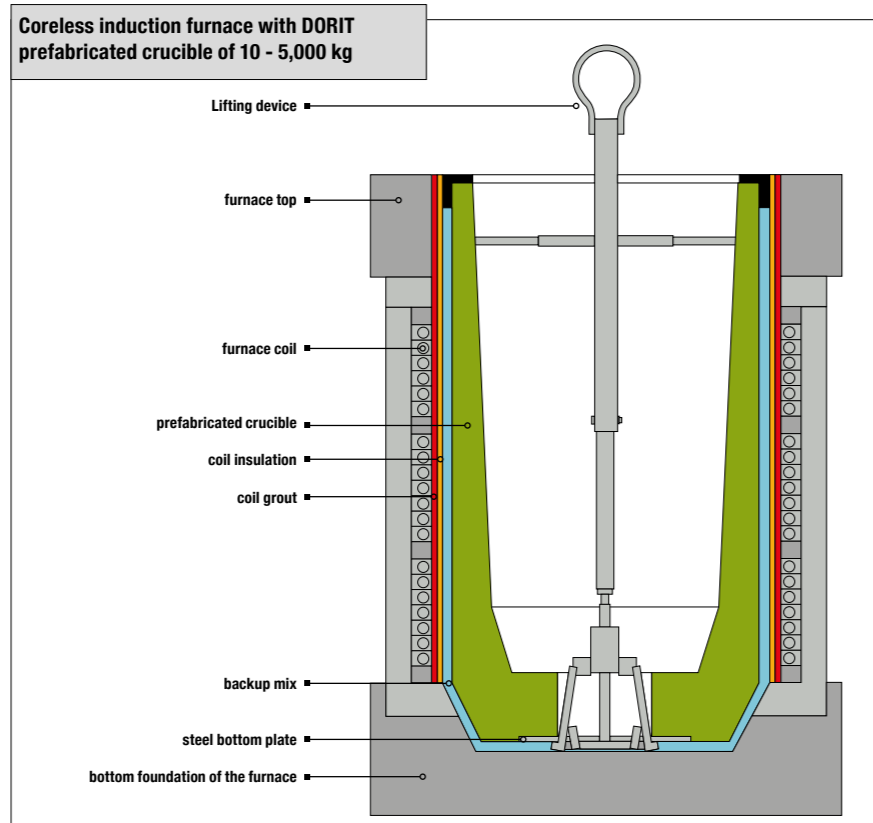


All Advantages at a Glance:

Prefabricated crucibles for induction furnaces offer numerous decisive advantages, especially outstanding cost-efficiency. As a ready-to-install product, they are quickly fitted so that the furnace is up and running within a short time. This also applies when it comes to removal and the short time until the respective product is available again. The reduction of the time requirement for installation and removal results in a significant increase in the productivity of the melting furnace.

The benefit to occupational safety is also worth mentioning: The use of prefabricated crucibles requires a backfilling compound that is free of small quartz particles, which consequently reduces the occurrence of fine particles posing a risk to health when lining a furnace.

Our range of products includes DORIT prefabricated crucibles for melting iron, steel and copper alloys in furnaces with capacities of up to five tons.



The mounting:  
fast and simple.



The furnace is to clean and the coil grout is to check



Before inserting the DORIT prefabricated crucible, first install the insulation and the floor-molded bed for the crucible.



Then insert the DORIT prefabricated crucible by using a lifting device.



Remove the lifting device.



Align the bottom antenna



Lifting device without steel bottom plate

Putting into operation:  
ready within 3 hours.

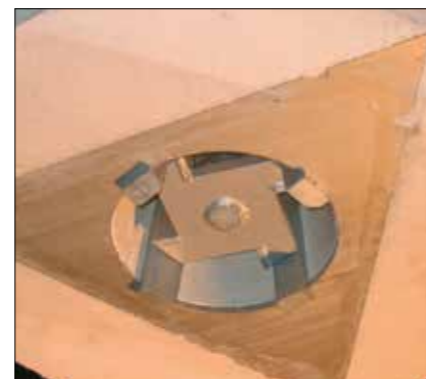


Inductively with starting block or lumpy material



With burner and liquid sintering

The removal:  
simple and efficient.



Lifting device with steel bottom plate



The prefabricated crucible is to adjust in the middle of the furnace



Fix the crucible with backup mix by using a backup mix vibrator.



The assembly opening is to fill with special hole mix and to vibrate.



Adjust the pouring spout according to specific use.



Ready for sintering



The upper ring of the crucible is to remove with a air hammer.



Ready to push out with the hydraulic push out system



The crucible is to push out

If there is not a push out system available you have to break out the middle of the crucible bottom. Afterwards you can fix the crucible lifting device under the steel bottom plate and then you can lift the finished crucible out of the furnace.

