



## **System solutions for industry**

**HP -Pneumatics**

**Water- and Special- Fluid Hydraulic**

**Equipment for Road Safety Training Centres**

**Accessories for Tundish Systems**

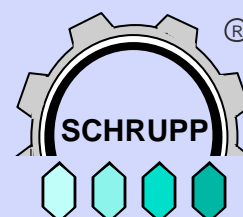
**Fire Fighting Systems for Transformers**

**Live Line Washing Systems for Insulators**

### **HL Hydraulik GmbH**

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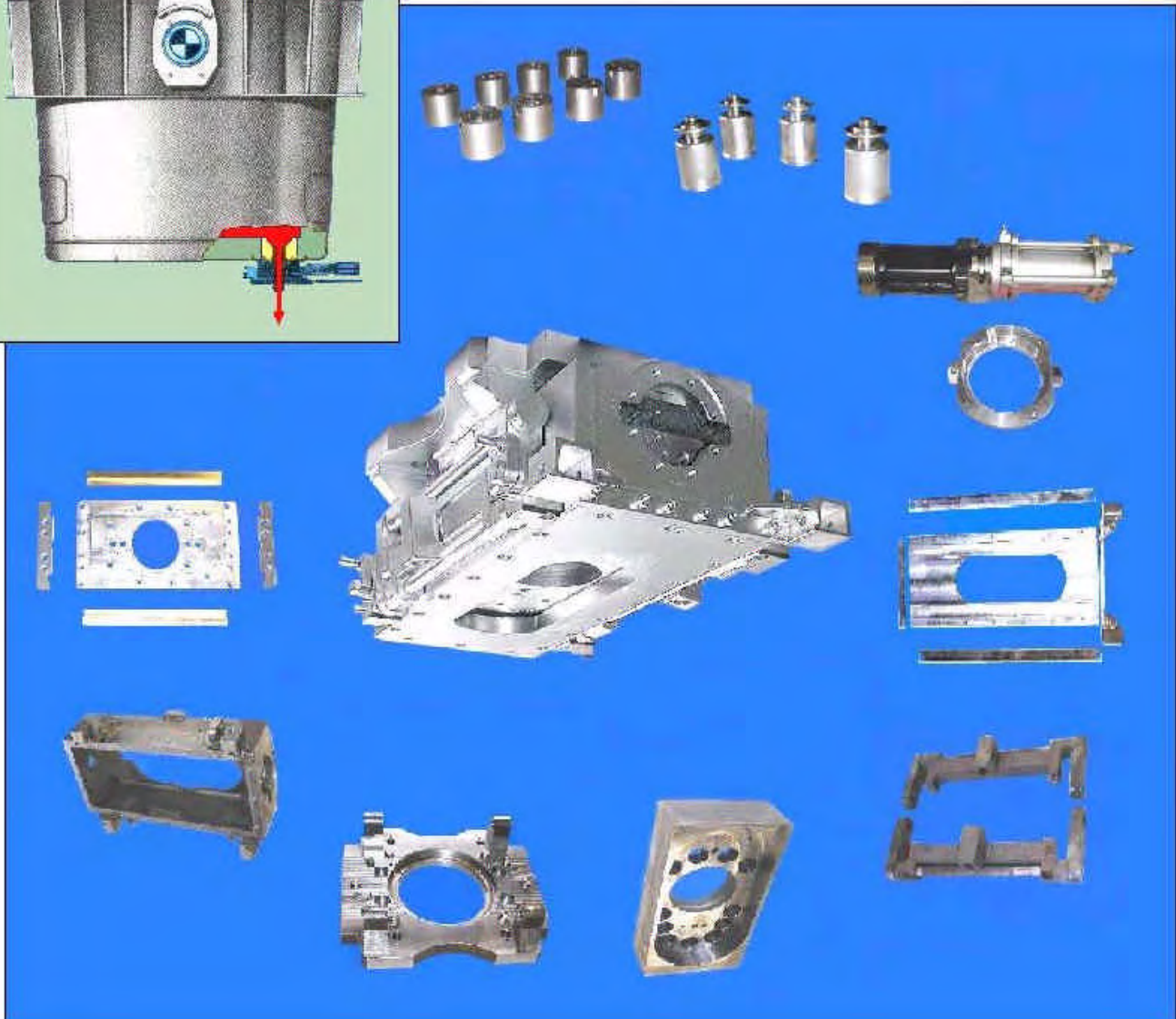
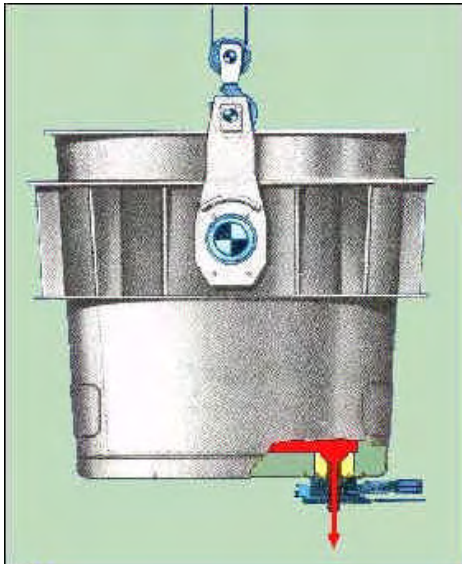
[www.hl-hydraulik.de](http://www.hl-hydraulik.de)





## SLIDING GATE VALVES FOR LADLES

Single nozzle valves and spareparts



HP -Pneumatics

Water- and Special- Fluid Hydraulic

Equipment for Road Safety Training Centres

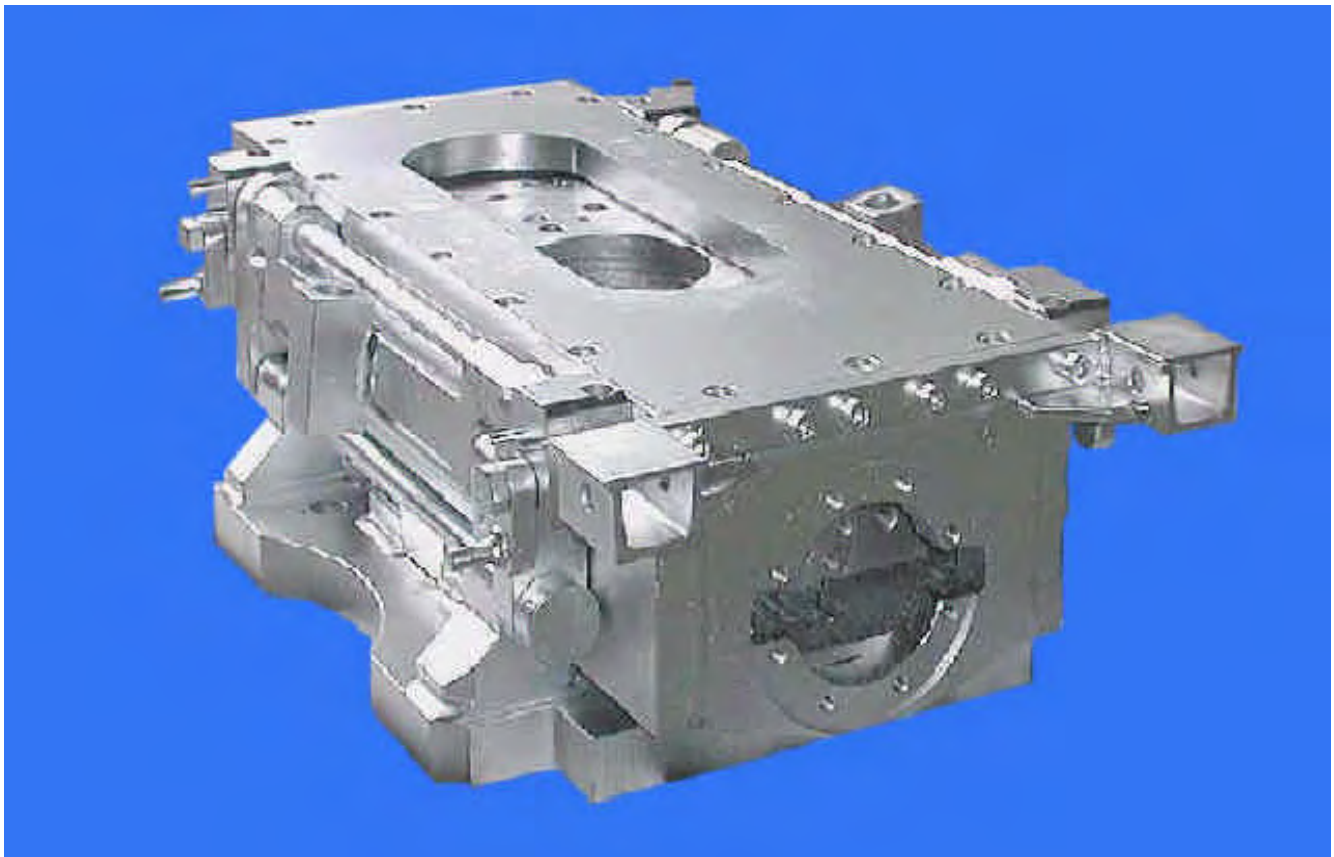
Accessories for Tundish Systems



### Sliding Gate System - FloCon Typ 42xx / 63xx

HL Hydraulik GmbH is the only supplier of FLOCON products under the trade name SCHRUPP. Until 1990 SCHRUPP was an subsidiary company of Zimmermann & Jansen, Germany and was the first producer of FLOCON SLIDING GATE VALVES and SPAREPARTS. Continuous development and an experience of more than 20 years allows improvements to this program to follow the requirements of the market.

So we can offer "Original - FloCon" products with a high quality standard to a favorable price. This Catalog is only a overview of our productlist and spareparts.



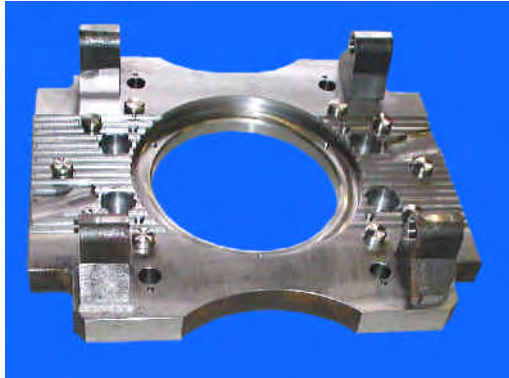
**Tundish System Typ 4200 / 6300**

### Typical Spareparts



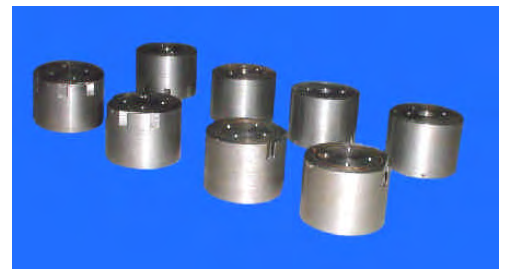
### Clamping cylinder and connection

The movement of the sliding frame will be controlled by the cylinder wich is coupled to the sliding frame.



**Mounting Plate**

The basic assembling sheet is screwed on the main frame which is welded to thundish bottom.



**Permanent Magnets (Holding System)**

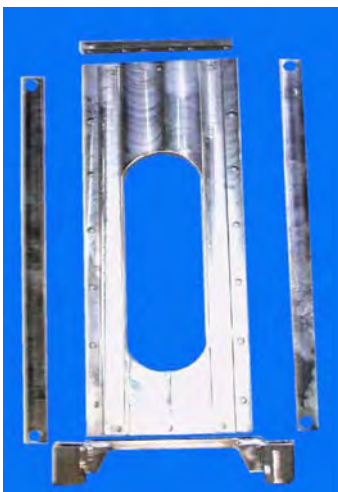
The mounting plate are equipped with permanent magnets to keep the head disk in position. The magnets are fixed by headless bolts. During maintenance the retention force of the of the magnets has to be checked.



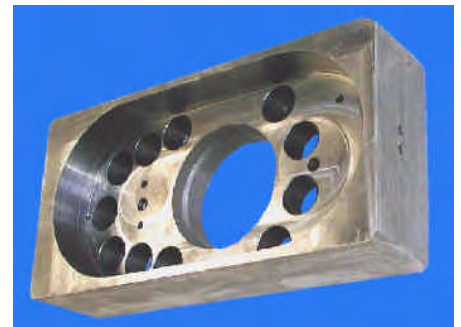
**Thundish valve housing**

The thundish valve housing guides the sliding frame.

**Floor plate for thundish valve housing with Fixing Elements and Sliding Strips**



**Sliding Frame**



**Insert Ring**

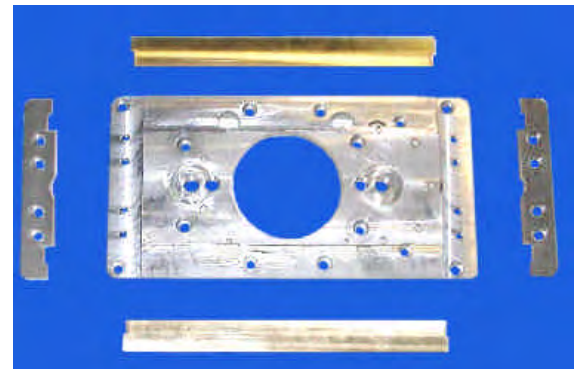
During operation the centering plate can be damaged. If this happens the insert ring has to be replaced.



### Swivel Frame of closing system

Each valve includes a closing device on both sides. This elements are under permanent mechanical stress during operation and must be checked regularly and replaced if necessary.

### Floor plate - gliding frame with Fixing Elements and Sliding Strips



### Thermodynamic-spring elements

#### TD - Elements

The basic assembling sheet are equipped with permanent magnets to keep the head disk in position. The magnets are fixed by headless bolts. During maintenance the retention force of the magnets has to be checked.



### Test unit for thermodynamic-spring elements



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