

# KLINGER Fluid Control

## Application Case for Steel Industry

### Klinger Ballostar KHA for Metal Sheet Cleaning

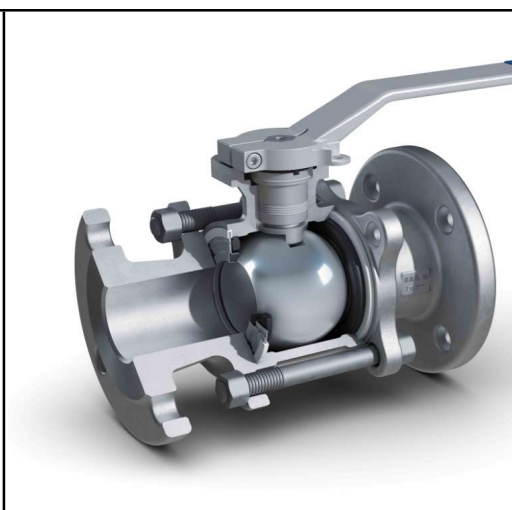
<b>Application Location:</b> Secondary Steel Making Hot Rolling Mill & Slab/Bloom Production
<b>Media:</b> Water
<b>Media properties:</b> Muddy water with metal solids
<b>Operating Temperature:</b> Below 100°C
<b>Operating Pressure:</b> Below 10bar



**Description of application:**  
 Aside of sheet metal cleaning with blue acid gas and hydrochloric acid, also water will be used for this application in the "Hot Rolling Mill" for slab and bloom production. The used water after the sheet metal cleaning is muddy, dirty and contains metal shavings. For this usage, KHA ball valves with metal seats are used in the pipe system of the hot rolling mill. Metal seats and a chrome coated ball are mandatory for the metal shavings and mudd in the water.

**Execution of ball valve series KHA for Metal Sheet Cleaning:**

**Line Size range:** DN15 - DN125, PN40/63/100  
**Stem sealing:** PTFE labyrinth stuffingbox  
 Peek friction washer for high operating cycles on demand  
**Stem Material:** 1.4104, 1.4404  
**Sealing system ball:** Metal seated 1.4404  
**Ball Material:** Stainless steel 1.4401 with chrome coating  
**Body material:** Carbon steel 1.0619 or Stainless steel 1.4408  
**Additional equipment:**  
 .) Flanged version or weld ends  
 .) Pneumatic actuators for quick closing  
 .) Actuator accessories: solenoid valve, limit switches, emergency hand wheel



**Contact person for further information**

**Name/Company:** Gruber Gerhard, Klinger KFC  
**Contact details:** [gerhard.gruber@klinger.kfc.at](mailto:gerhard.gruber@klinger.kfc.at) , Tel.: +43 664 8350034