DEG GROUP COMPANIES

DAL Machinery
has been providing machineries for industrial plants over 20 years. We mainly focus on cement, lime, coal and energy technologies. We provide brand-new and 2nd hand machineries worldwide. DAL Makina also supplies integrated services together with Dal Engineering Group (DEG) companies for Turn-key plant projects.

DAL Technic
provides turn-key cement plant projects.

DAL Drive Systems
provides electric motors, drives, reducers and couplings.

DAL Automation
is a certified Siemens solution partner company and provides turn-key automation projects.

CMT
provides design and R&D for cement industries.

PRODUCTS

- Ball Mill
- Dynamic Classifier, V-Separator
- Vertical Mill
- Spare Tyre, Girth Gear, Liner Casting
- Raw Material & Clinker Crusher
- Pre-blending Unit
- Rotary Kiln
- Clinker Cooler
- Roller Press
- Elevator, belt conveyor, screw conveyors, rotary feeder, pandulm flaps
- Wear resistant material (Basalt, ProTEC)
- Insulation Material (Rockwool, Glasswool)
- Hydraulic Lubrication Stations
For responding the demands of the today cement industry, Dal Machinery provides rotary kilns up to 6000 tpd with regard to quality, maximum capacity and minimum costs. Our reliable design will lead you to low resource consumption, high operating safety and low specific operating costs and capital expense.

- Our rotary kilns use pneumatically-operated seals which are designed to ensure a continuous seal despite shifts in the position of the kiln.
- Our optimizing kiln tube construction ensures optimal safety with regard to material elasticity limits at operating temperature.
- The air cooling of particularly large surface ensures the long life of the segments.
- All drives for kiln types are designed to secure reliable operations under any operation conditions.

**KILN PRODUCTS AND SERVICES**

- Kiln Design
- Kiln Shell & Under Tyre Systems
- Kiln Inlet and Outlet Seals
- Kiln Tyres & Rollers
- Drive Systems
- Hydraulic Thrust Roller
- Kiln Burner
- Kiln Camera Systems
- Kiln Erection
- Kiln Maintenance Service
## Rotary Kilns

<table>
<thead>
<tr>
<th>Nominal Capacity (tpd)</th>
<th>Inside Tube Diameter x Length (m)</th>
<th>Refractory Thickness (mm)</th>
<th>Power Consumption Approx. (kW)</th>
<th>Installed Power (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2250</td>
<td>4.0 x 59</td>
<td>200</td>
<td>240</td>
<td>450</td>
</tr>
<tr>
<td>2800</td>
<td>4.2 x 60</td>
<td>200</td>
<td>270</td>
<td>500</td>
</tr>
<tr>
<td>3500</td>
<td>4.4 x 64</td>
<td>200</td>
<td>320</td>
<td>550</td>
</tr>
<tr>
<td>4000</td>
<td>4.6 x 64</td>
<td>220</td>
<td>360</td>
<td>630</td>
</tr>
<tr>
<td>5000</td>
<td>4.8 x 72</td>
<td>220</td>
<td>400</td>
<td>700</td>
</tr>
<tr>
<td>6000</td>
<td>5.2 x 73</td>
<td>220</td>
<td>510</td>
<td>990</td>
</tr>
</tbody>
</table>
DEG Design Features
- Pneumatic Kiln Sealing
- 3 Station, Single Pinion Drive
- Monobloc Support Roller Frame

Advantages
- Easy erection and adjusting
- Low energy consumption
- Low construction cost
- Short installation period

DEG design plain bearings manufactured in Europe
www.dal.com.tr

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