

CERAMIC RAW MATERIAL & CERAMIC MACHINERY



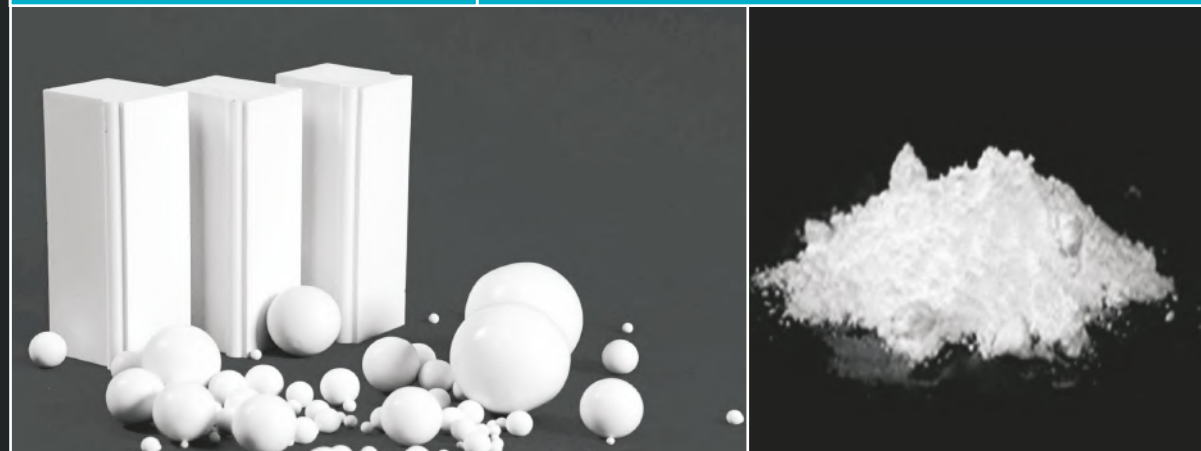
CERAMIC ROLLER

TITANIUM DIOXIDE



SQUARING WHEEL

BURNER TUBES



ALUMINA BALL AND LINING

WASHCOAT POWDER

DOMA[®]
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DOMA IMPEX

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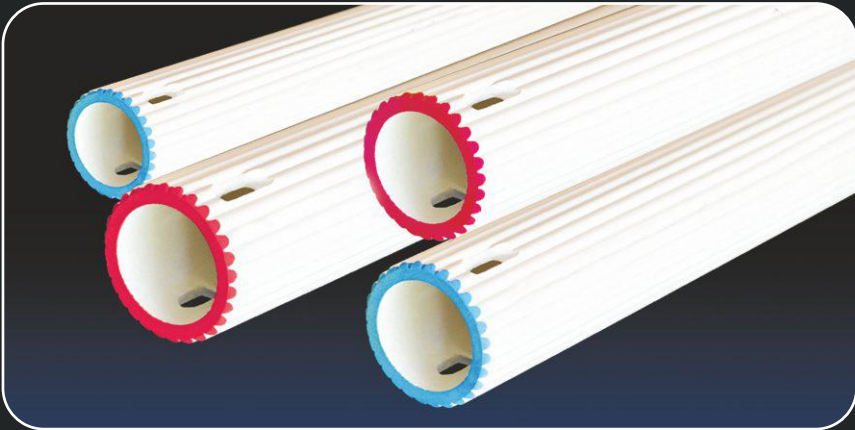
We Serve Best Quality

**CERAMIC
RAW MATERIAL &
CERAMIC MACHINERY**

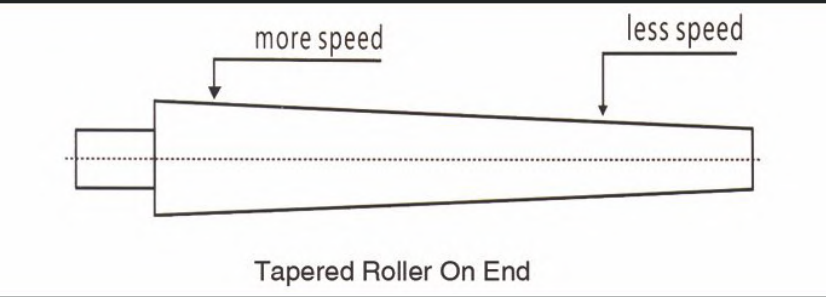
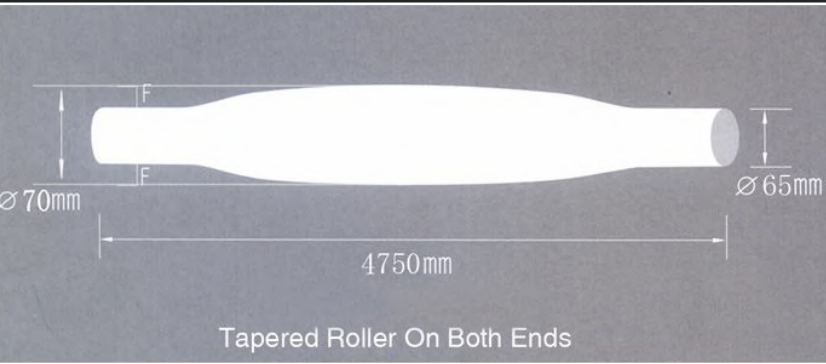
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COOLING ROLLER WITH TEETH

The series rollers with special structure and super high bending strength, especially satisfied to be used in the fast cooling and slow cooling zone of the roller kilns. due to their unique appearance design, the rollers can be avoided to be bending and braking caused by the large temperature difference of the roller kiln fast cooling area, and ensure the tiles producing neatly.



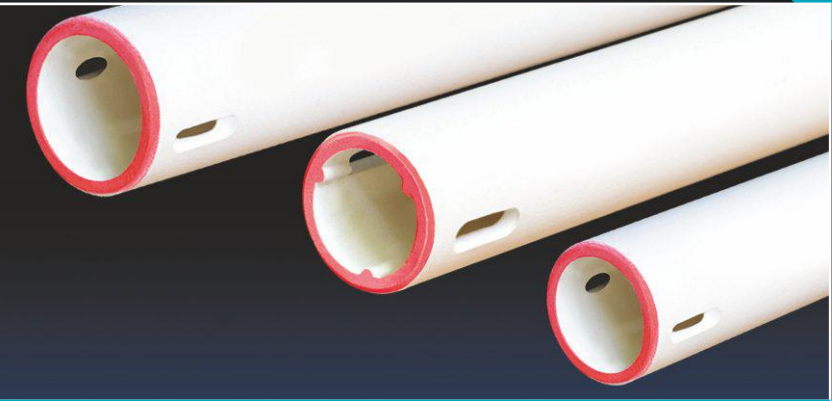
PROFILED ROLLER



The series rollers applied between the preheating and firing zone, can effectively solve the problem of tiles disordered transfer and slow speed transfer in the super wide and long kilns. Advanced process equipment, with properties of highly tagetes, flexible positioning, and accurate adjustment basically solved the problem of non synchronization in tile transfer.

DI-G SUPER HIGH TEMPERATURE ROLLER

The series rollers manufactured with the most advanced and brand new formulations and processes, has super strong thermal shock resistance, higher bending strength and heavy load in high temperature, especially fit for super wide body and large output kiln to produce large polished tiles, glazed tiles, roof tiles and other heavy load products. The maximum length of the series rollers can be 5200mm.



DI-A HIGH TEMPERATURE ROLLER



With the properties of high bending strength in high temperature, excellent thermal shock resistance, no bending and crack, the series rollers are mainly suitable for the producing of normal polished tiles, porcelain tiles, rustic tiles, outer wall tiles, sitall tiles and other products.

DI-B HIGH TEMPERATURE ROLLER

The series rollers with excellent performance, high quality and competitive price are used widely, especially suitable for the firing of tiles (inner wall tiles), wear resistant bricks, crystal tiles and other products.



ROLLER MAIN TECHNICAL INDICATORS

TECHNICAL INDEX	CODE	UNIT	DI-G	DI-A	DI-B
AL ₂ O ₃ +ZrO ₂		%	80-82	78-80	76-78
water absorption		%	5-7	6-8	7-9
Bending strength		Mpa	60-70	50-60	40-50
Bulk density		g/cm ³	2.70-2.90	2.55-2.70	2.50-2.60
Coefficient of thermal expansion		x10 ⁻⁶ /°c	6.1-6.6	5.9-6.3	5.4-5.9
Thermal shock resistance		/	very good	very good	very good
maximum operating temperature		°c	1350	1300	1250
Color scheme		/	Red	Red	Blue

NOTE : This is not a product specification but only our company's lab test for reference. The actual figures may vary due to different size and conditions.



With the German most advanced automatic shuttle kiln in the word, and the well-chosen high quality raw materials from homeland and overseas, the company is Specialized in the production of various high temperature rollers of diameter 16-90mm. and length 2000-5200mm. The annual production capacity can be 600000 pcs.

INSTRUCTIONS:

- How to use the roller affects not only the service life of the rollers but also smooth work of the kiln. Generally , we select the type of roller depending on the maximum firing temperature and load of the rollers. Meanwhile, the rotate speed, span of roller and atmosphere in the kiln are also important factors for us to consider ,as well as the factors of the gas, moltel materials and thermal shock. considering the factors mentioned above, our suggestion are as follows :
1. Before used, the new rollers should be placed on the kiln for drying at least 24 hours (60-80° C)
 2. Rollers with coating should be placed on the kiln for drying at least 72 hours.
 3. Please fast and quickly rotate the rollers when replacing them.
 4. The roller taken from the middle and high temperature area should be avoided to contact the cooling Items but placed on the bracket with asbestos pad. Rotate it continuously until its cools down to below 600°C
 5. The small area of glaze droplets on the surface of rollers can affect their thermal shock resistance, so they should be cleaned at fixed period.
 6. Unqualified raw materials may erode rollers, which should be used carefully.
 7. Keep the exhausting fan on and roller rotating after shutting down of kiln, turn off the other fans and prevent cold air coming. After 24 hours, increase the fan speed and take out the roller when the temperature in the kiln is 500°C or below
 8. Avoid using the roller in the alkali atmosphere and the corrosion of alkali materials in order to prolong the service life of rollers.