

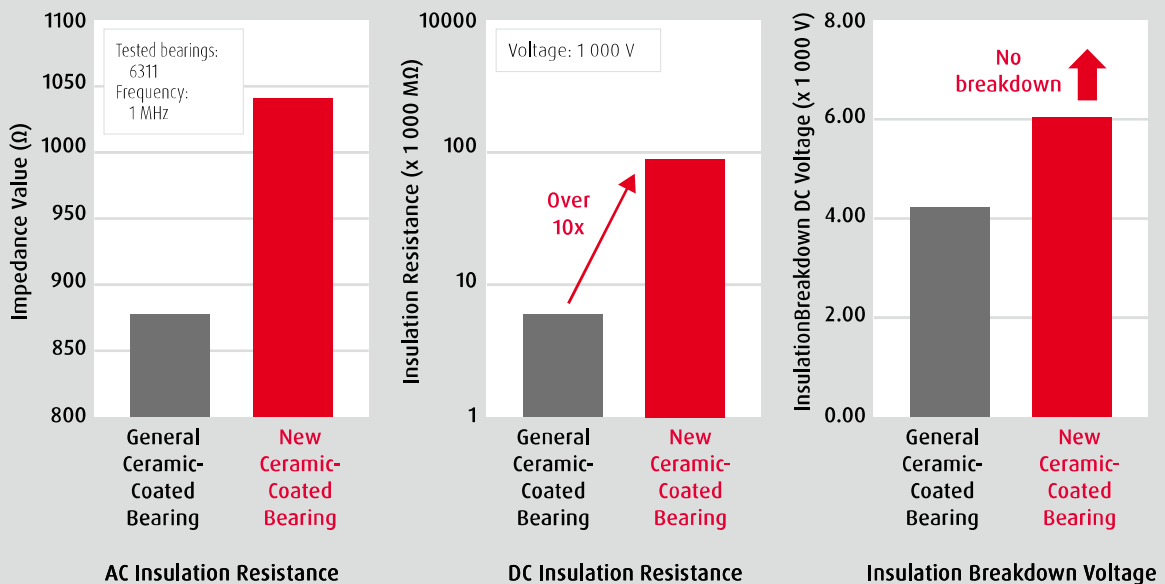
# Ceramic-Coated Insulated Bearings for Inverter Motors

By coating the outer ring with insulating ceramic material, electric current cannot pass through the bearing and cause electrical erosion.

## Features

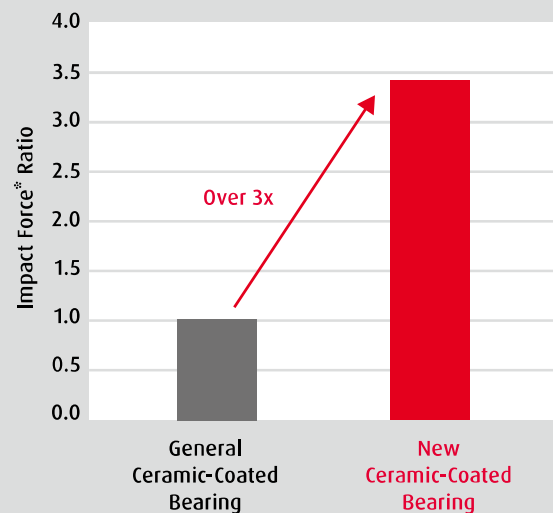
### A Solution to Electrical Erosion in Large Motors

We've enhanced the ceramic coating to dramatically improve insulation performance over regular ceramic-coated bearings.



### Easy to Handle and Mount

Optimized specifications make the impact resistance of our new ceramic-coated bearings over 3 times higher than conventional products.

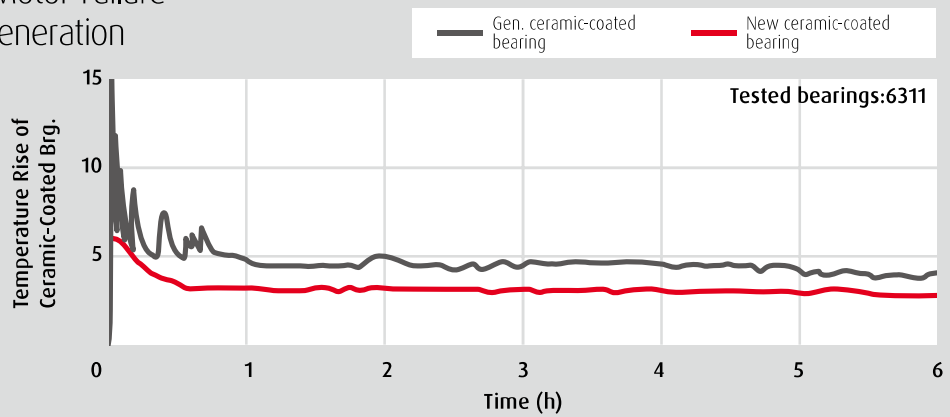


Mechanical Strength Test Results for Impact Resistance of Ceramic Coating (Surface Side)

\*Refers to force on the surface coating

## Reduced Premature Motor Failure From Bearing Heat Generation

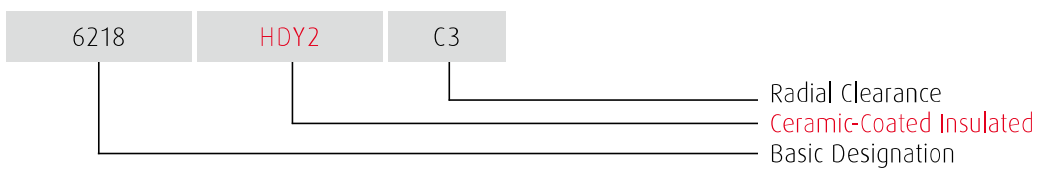
Our optimized ceramic coating more effectively dissipates heat.



# 3

# DATA

### Example Bearing Designation



Designation	Boundary Dimensions (mm)		
	Bore Dia.	Outside Dia.	Width
6312	60	130	31
6313	65	140	33
6215	75	130	25
6315		160	37
6216	80	140	26
6316		170	39
6217	85	150	28
6317		180	41

Designation	Boundary Dimensions (mm)		
	Bore Dia.	Outside Dia.	Width
6218	90	160	30
6318		190	43
6219	95	170	32
6319		200	45
6220	100	180	41
6320		215	47
6322	110	240	50
6224	120	215	40
6226	130	230	40

• Listed bearings are offered as standard open bearings with C3 clearance.

- Please handle ceramic bearings with the same care as standard bearings.
- Be sure to avoid strong impacts to the outer ring when mounting the bearing using methods involving a hammer or similar. Excessive impacts may cause breaking or cracking of the ceramic coating and/or scratches on the bearing raceway. Bearings cannot be used if damaged.