

SOLVING PROBLEMS

With RBC Cam Followers



“Premature cam follower failures have been linked to high loads in our application. How can we get more cam follower capacity without re-designing our machines?”

Patented RBCRoller® cam followers utilize a double row of cylindrical rollers which provide up to a 125% increase in dynamic load capacity.

The end guidance of these rollers minimizes the tendency of typical needle rollers to skew during rotation. This reduces excessive heat – another cause of early cam follower failure.

“Cam followers are frequently being replaced. What can RBC do to increase the service life of cam followers being used on our equipment?”

The increased load capacity of RBC Roller cam followers also provides a substantial increase in operating life.

Up to a 400% increase in life can be experienced when switching from needle roller cam followers to RBCRollers.

Additionally, RBCRollers are lubed for life, eliminating re-lubrication requirements.



“Standard cam follower re-lubrication is often performed through the stud. This can present real access problems. What re-lubrication options do we have?”

RBC's Universal HexLube® cam follower line offers the unique feature of re-lubrication through the hex head.

This style of cam follower replaces old style screwdriver slot varieties.

“Why would we want to replace screwdriver slot style cam followers with the Universal HexLube style?”

The universal HexLube cam follower permits re-lubrication through the head without utilizing a protruding grease fitting that is subject to damage.

Full assembly torque can be applied to the Universal HexLube cam follower utilizing a hex wrench rather than screwdriver.

Hex wrenches provide a better fit for assembly operations than screwdrivers.



“The load in our application is not exactly perpendicular to the cam follower roller outer surface. We're concerned about edge loading.”

RBC's crowned cam followers are designed for exactly this situation. Crowned outer rings provide improved distribution of load forces to minimize axial thrusting.

Crowned cam follows are particularly effective on curved or circular tracks.



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“Sequentially mounted cam followers need to be “lined up” after installation. We want the roller preload to be identical for each cam follower.”

Using our CamCentric® adjustable cam follower permits precise positioning of the cam follower outer race relative to any contact surfaces.

They are particularly useful for reducing clearance or backlash.

CamCentric cam followers feature hex sockets for accurate adjustment.

“Overhanging loads and/or large bending moments are typical in our application.”

RBC's heavy stud series of cam followers was developed to meet the needs of these high stress applications.

Heavy studs are 20% to 40% greater in diameter than standard stud diameter cam followers.

Heavy stud styles are available from stock.



“The size we need isn't in your catalog.”

Specials are a way of life for RBC. Make sure to present the details of the modifications or special work needed.

Blueprint review often yields an acceptable solution.



“The effects of rust and corrosion are a constant concern for our products.”

Thin dense chrome (TDC) plating has proven to be very effective in combating the effects of salt water, mild chemicals, and other corrosive agents.

TDC is applied to a thickness of approximately .0001" which creates minimal dimensional interference.

The exceptionally hard surface provides outstanding resistance to wear.

TDC can be specified for any RBC cam follower.



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