

PROGRESS LIVES AT THE INTERSECTION OF TECHNOLOGY AND DIRT



Cat[®] Precision Seals

We Compared Cat Superior Performance and Durability Against the Competition

Metal Face Seals

For more than 60 years industrial original equipment manufacturers and equipment users have turned to Cat[®] seals to protect their components from extreme abrasive and corrosive environments. Caterpillar is the leading manufacturer of metal face seals providing the best solutions for tough applications. Cat[®] seals are proven to provide long service life with low maintenance resulting in increased equipment up time, productivity and customer satisfaction.

Serving Your Industry

Agriculture

Forestry

Material Handling

Mining

Scrap Recycling

Waste

Construction

Industrial

Military

Petroleum

Tunneling

And many more industries

Performing in Your Application

Axles

Final Drives

Mining Equipment

Idlers

Rollers

And many more applications

Undercarriages

Drill Heads

Mobile Track Systems

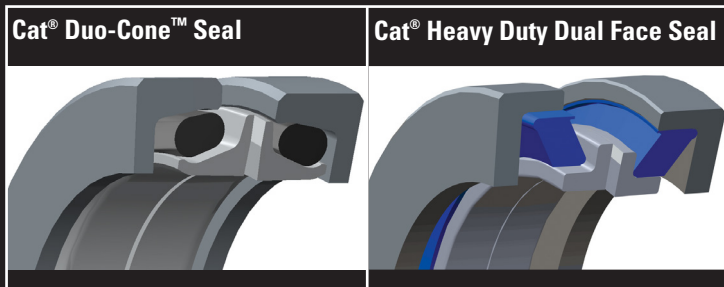
Pumps

Boring Cutters



CAT[®]

Cat® Seals Designed To Handle Tough Environments



Caterpillar offers Cat Duo-Cone™ and Heavy Duty Dual Face seals.

Seal Ring Material Options				
	C6	Stellite	NiHard	Formed
Material	Nickel-Alloy	Iron-Alloy	Iron-Alloy	SAE 1074
Process	Cast	Cast	Cast	Stamped
Wear Life	High	High	Satisfactory	Low
Corrosion Resistance	High	Satisfactory	Satisfactory	Satisfactory
Scoring Resistance	High	Low	Satisfactory	Low

Additional seal ring materials available.

Load Ring Material Options					
	Nitrile	LT Nitrile	Silicone	HNBR	FKM
Min Temp. (°C/°F)	-17/1	-35/-31	-55/-67	-40/-40	-7/20
Max Temp (°C/°F)	100/212	100/212	150/302	135/275	160/320
Material Hardness	60 / 65	60 / 70	65 / 70	60 / 70	60
Tear Resistance	Medium	Medium	Low	High	Medium
Abrasion Resistance	Medium	Medium	Low	High	Medium
Oil Resistance	Medium	Medium	Low	High	Superior
Water Resistance	Superior	Superior	Superior	Superior	Medium

Additional load ring materials available.

LET'S DO THE WORK.™

www.cat.com/catseals

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WHY WORK WITH US?

Deep Seal Expertise and Design Support

Caterpillar seal engineers, with over 130 years of design and validation experience, are available to provide consultation on the best seal choices for any desired application. Cat's Deep technical expertise and resources in seal design, tribology, metallurgy, and validation can be leveraged to provide superior sealing solutions for even the most challenging customer applications.

WHY WE ARE BETTER?

Superior Performance and Durability

- Eliminates weeping and resists galling
- Longer life in high speed applications
- Industry's best corrosion protection

WHY BUY FROM US?

Largest Product Offering to Meet Your Needs

- Broadest range of material options
- Options to fit virtually every application
- Made in the USA and South Korea, global distribution.

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