



IDENTIFICATION GUIDE

Find your trolley wheel configuration.

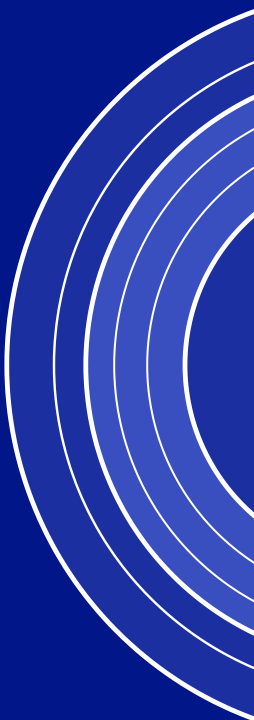
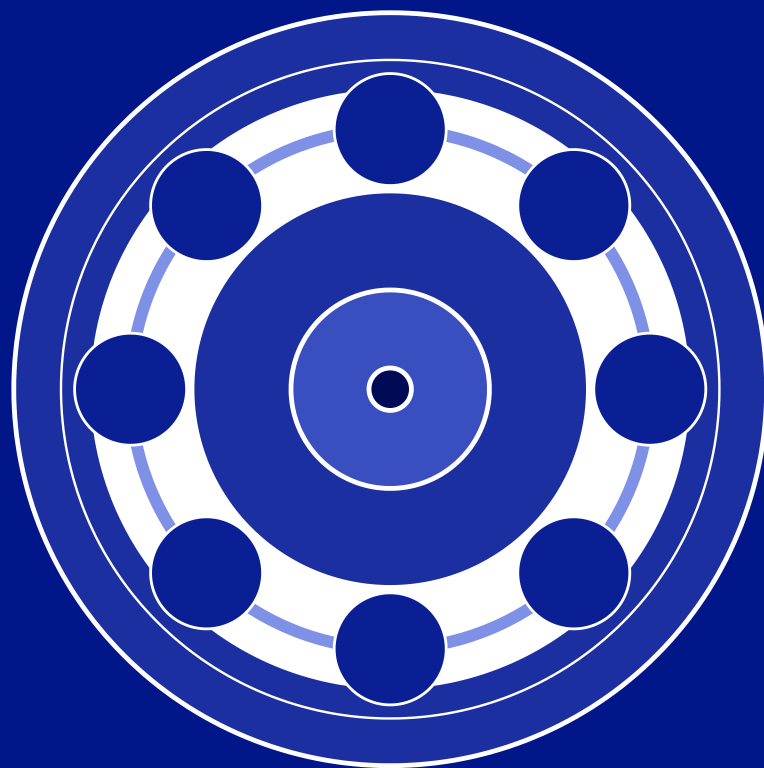
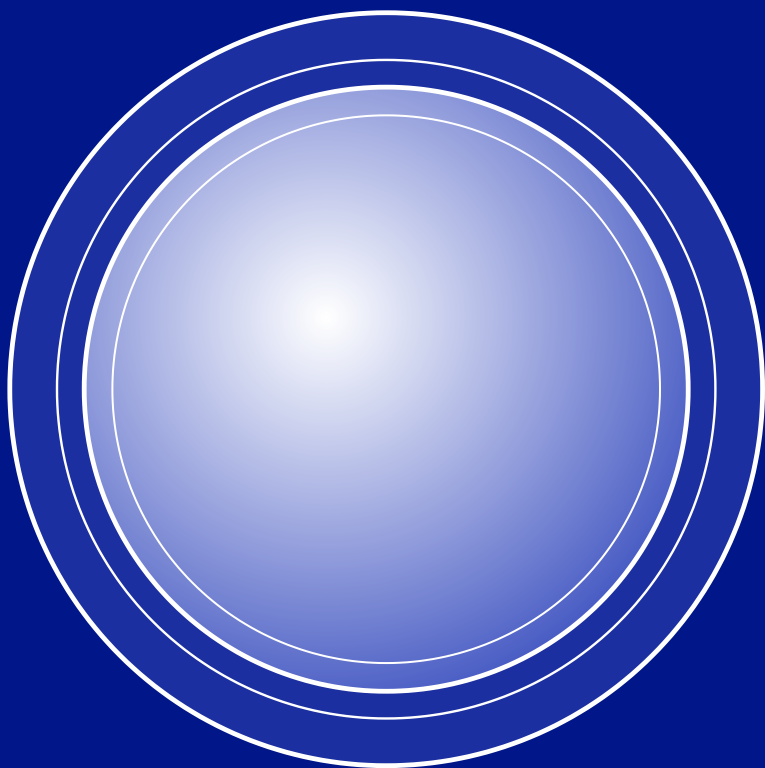
Two questions tell you if your wheels are open, plugged, shielded or sealed.

YOU'LL NEED

A FLASHLIGHT

A SPARE TROLLEY

LOCK OUT AND TAG OUT THE CONVEYOR BEFORE YOU INSPECT.

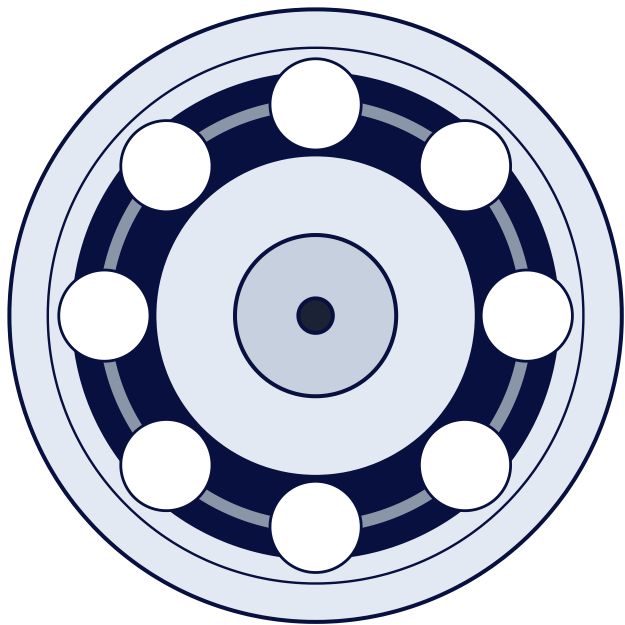




START HERE • WHEEL DESIGN

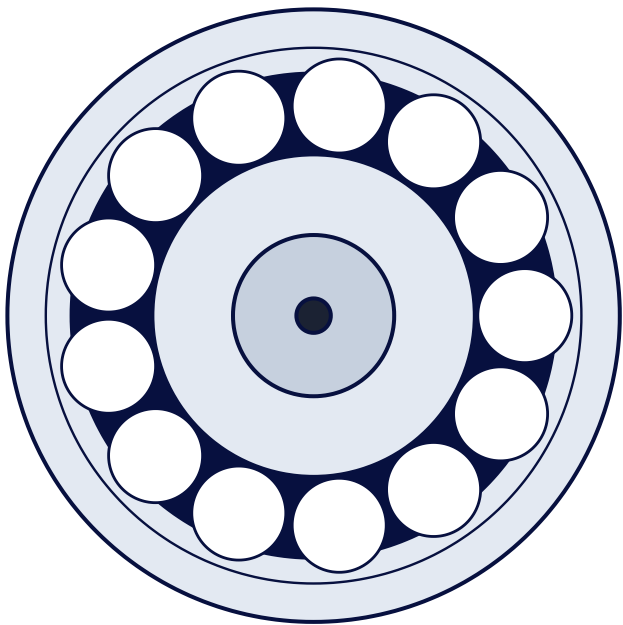
Retainer or full ball?

If you can see the balls, look for a steel cage between them, or count them.



RETAINER

Steel cage separates the balls.
Lowest friction. Up to 325°F.



FULL BALL

No cage, more balls. Heavy load and
contamination. Up to 500°F.

WHEEL	RETAINER	FULL BALL
3 in	7 balls	11 balls
4 in	8 balls	13 balls
6 in	8 balls	13 balls

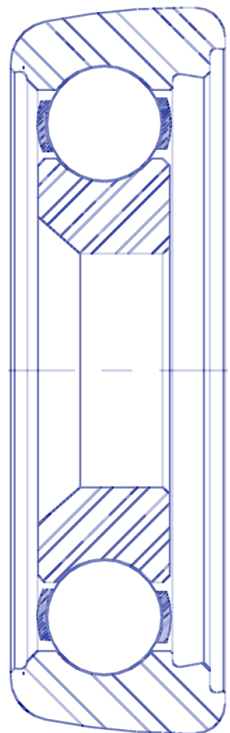


THE CONFIGURATIONS

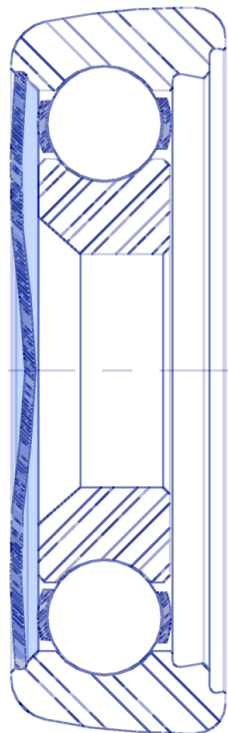
Seven catalog codes. Four configurations.

← I-BEAM SIDE

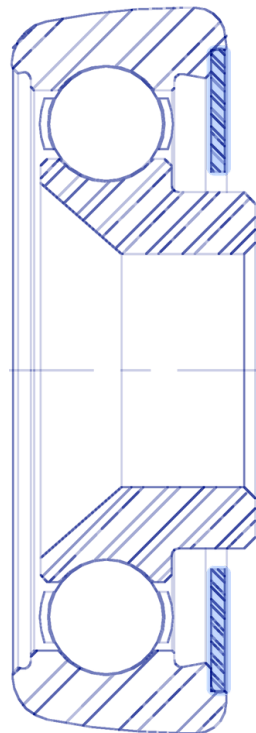
BRACKET SIDE →



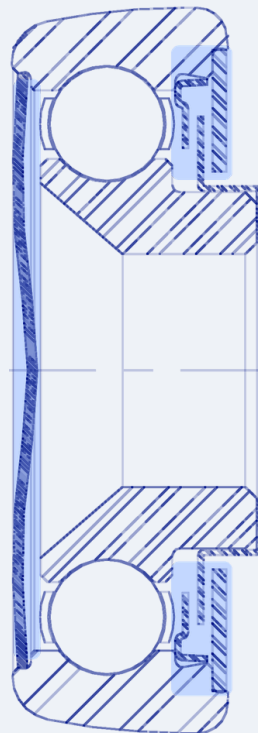
CODE 0



CODE 1

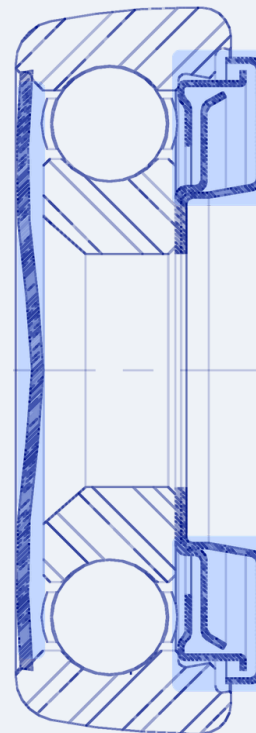


CODE 2



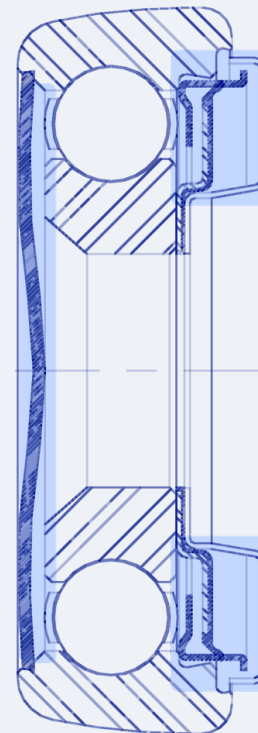
CODE 3

Triple labyrinth

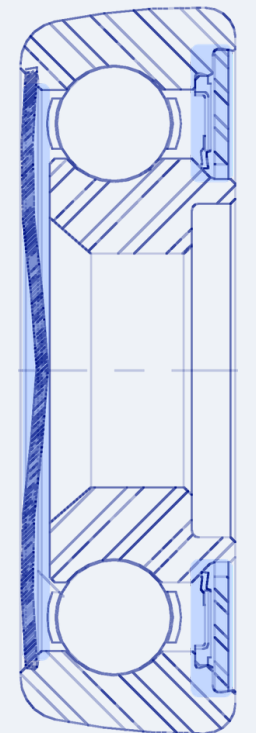


CODE 4

Splashproof®



CODE 5

Splashproof®
with wiper

CODE 6

Contact lip seal

Open / openNothing on
either side.**Welsh plug,
no shield**Plug on the I-
beam side
only.**Shield, no
welsh plug**Shield on the
bracket side
only.**Sealed**

Welsh plug plus a seal on the bracket side. Four seal types.

 Shaded blue marks the part that changes.

Drawings and codes from the Frost product catalog, page 9 (retainer type). Full ball wheels use the same plugs, shields and seals.

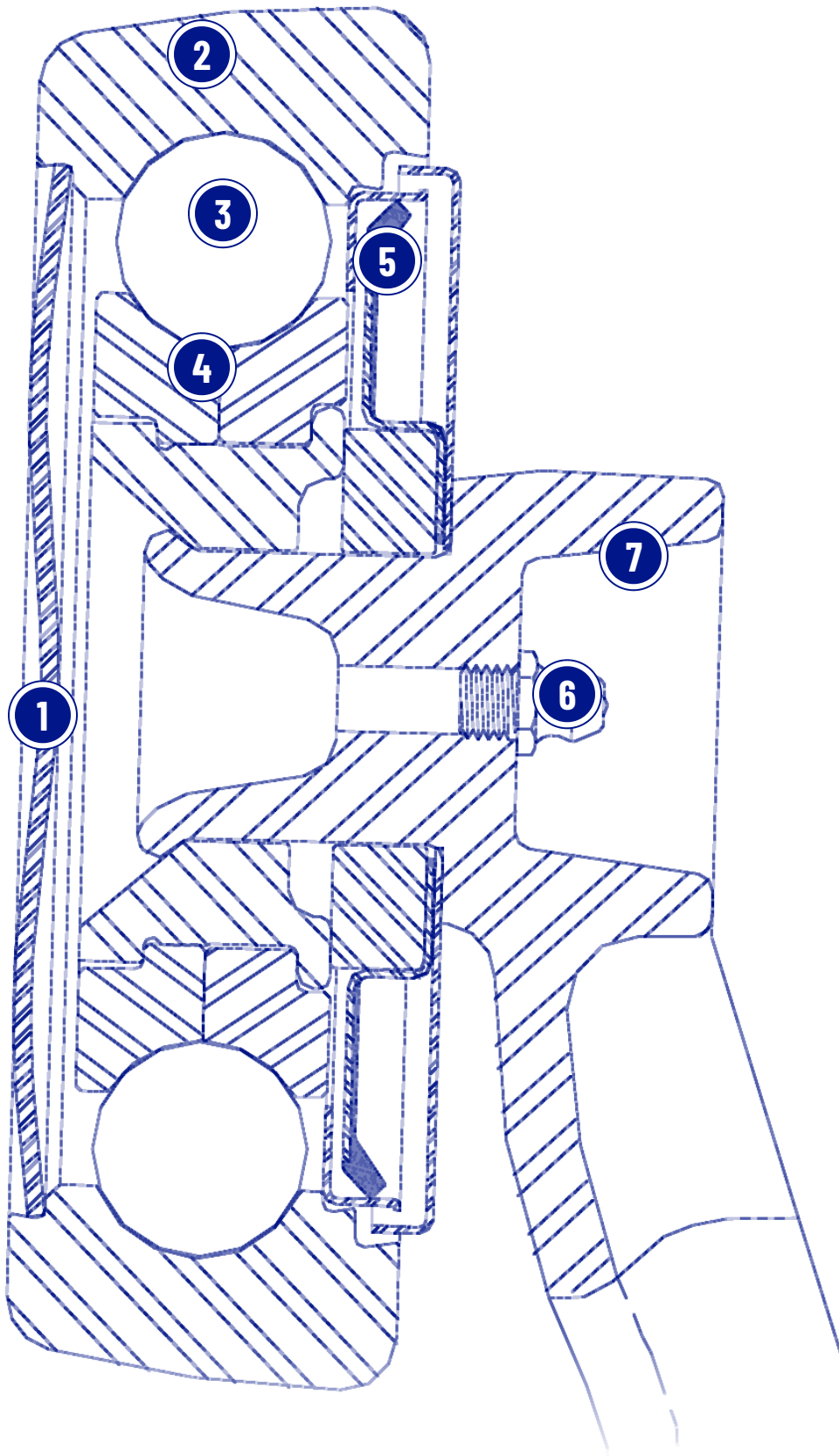


KNOW THE TWO SIDES

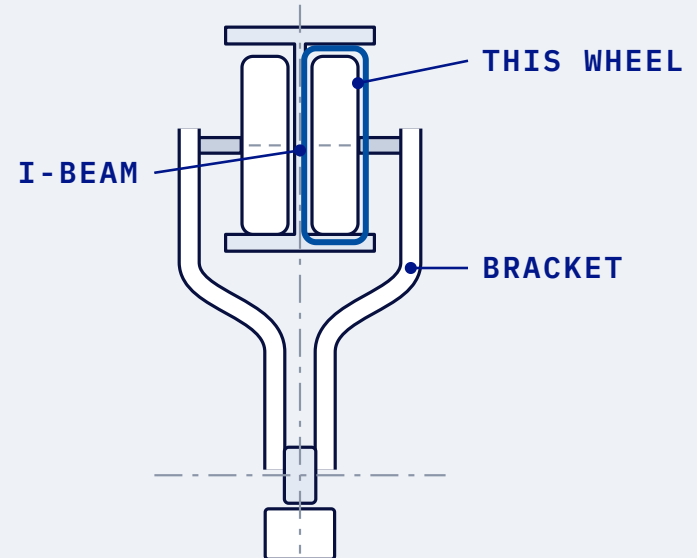
Every wheel has two sides.

← I-BEAM SIDE

BRACKET SIDE →



ON THE TRACK



1 Welsh plug
I-BEAM SIDE

2 Tread

3 Balls

4 Inner race

5 Shield or seal
BRACKET SIDE

6 Grease fitting

7 Bracket hub and arm

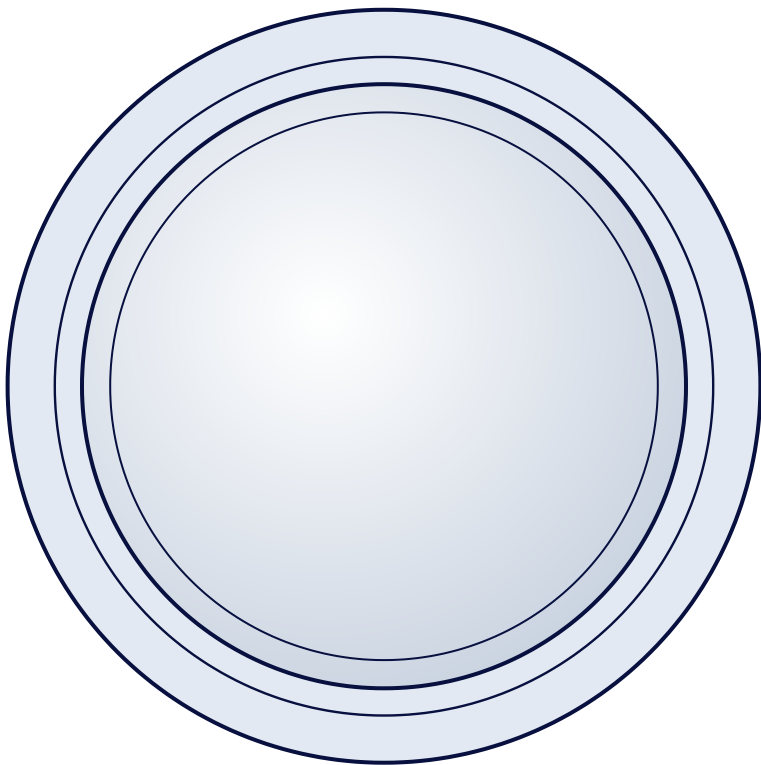
Frost product catalog, page 10, Figure 1: a sealed wheel with a welsh plug.



QUESTION 01 • I-BEAM SIDE

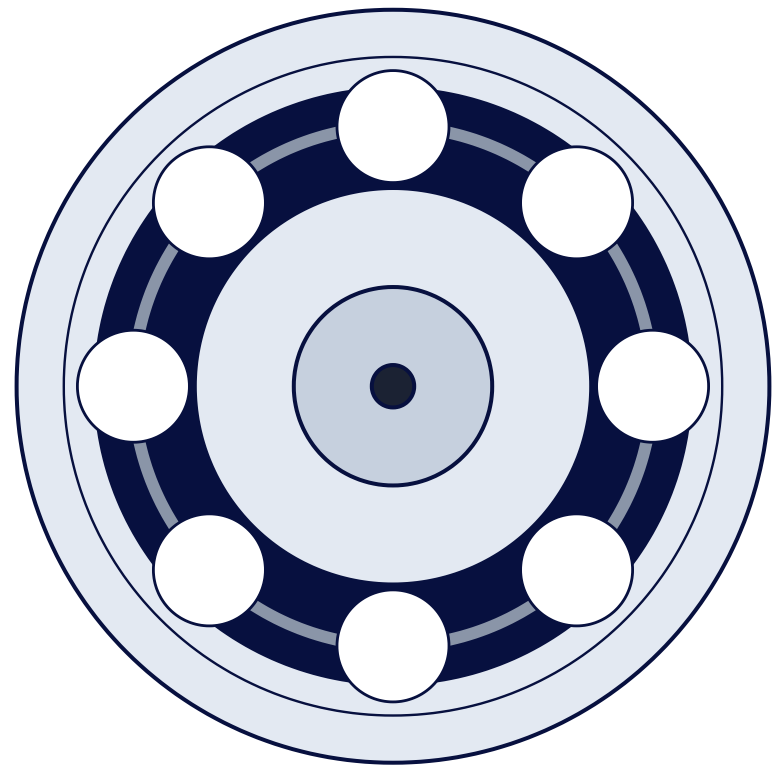
Is there a welsh plug?

Look at the side of the wheel that faces the I-beam.



YES

A smooth, dished steel cap covers the face.



NO

You can see the balls and the end of the bracket hub.

EASIER OFF THE TRACK

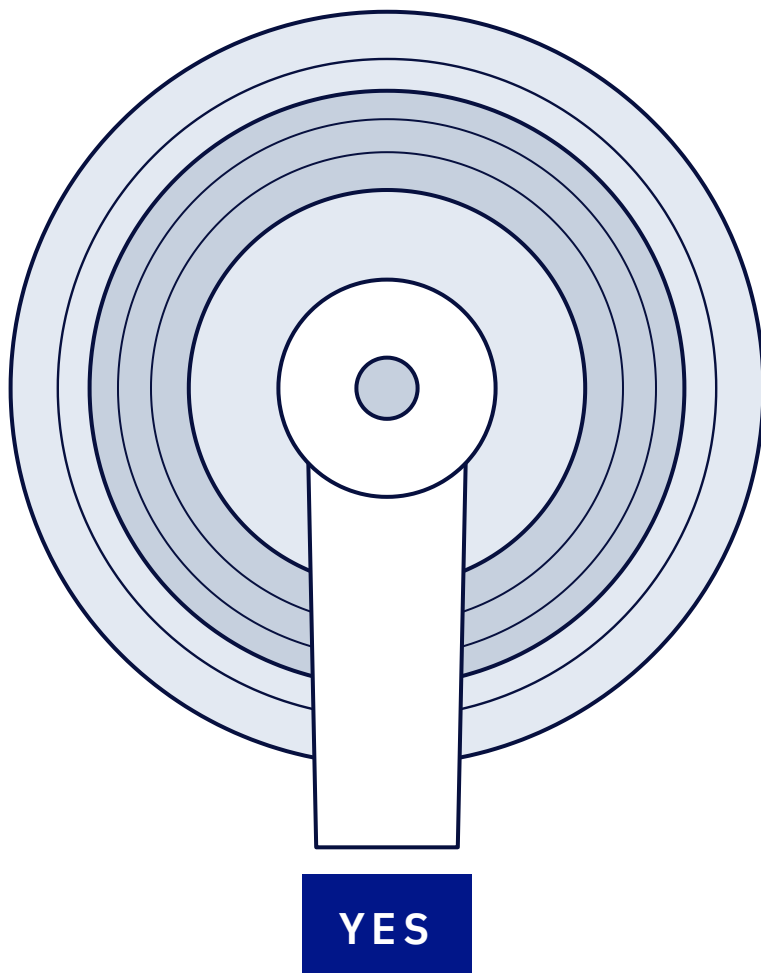
The I-beam side is hard to see on a running line. Check a spare trolley or one removed for maintenance.



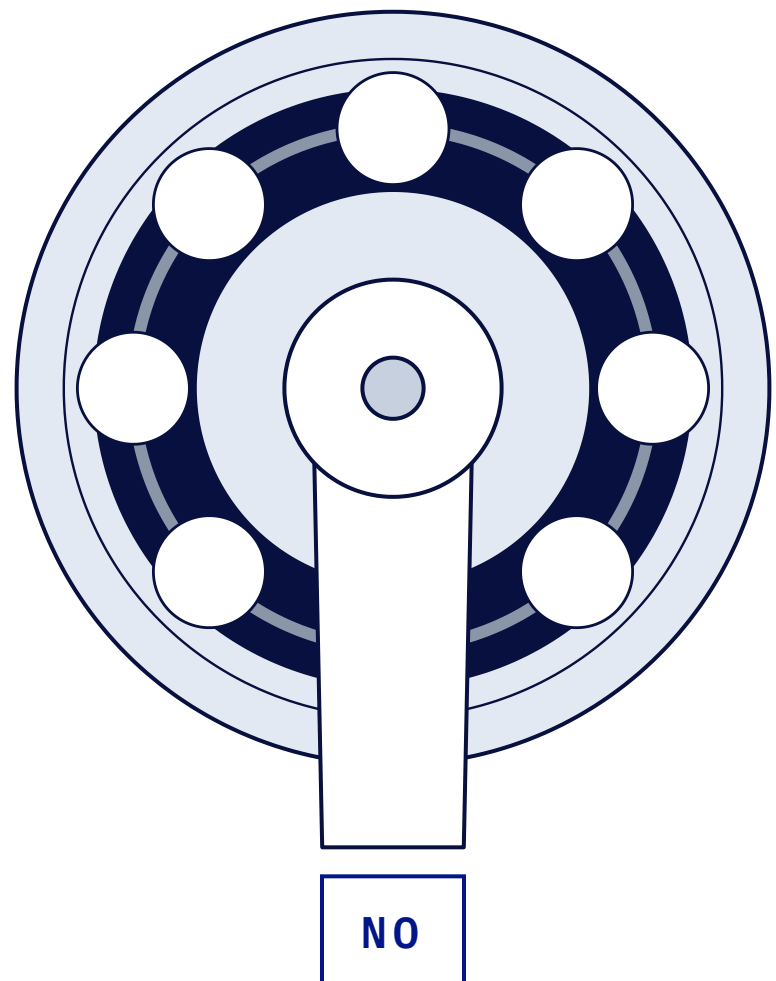
QUESTION 02 • BRACKET SIDE

Is there a shield or seal?

Look at the bracket side, at the ring between the bracket hub and the tread.



A steel ring covers the balls.



You can see the balls around the bracket hub.

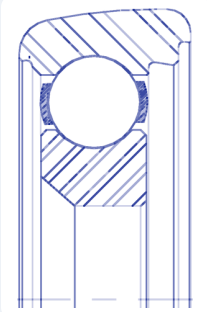
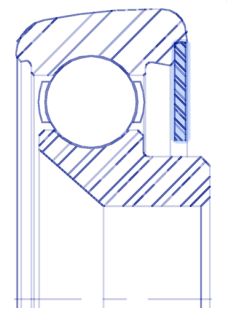
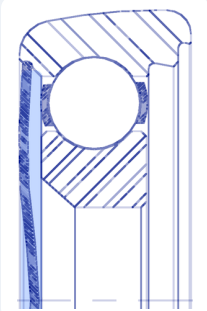
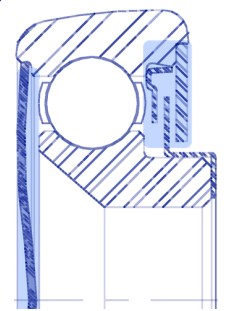
CROSS-CHECK

A seal always comes with a welsh plug on the I-beam side. A shield alone does not.



YOUR CONFIGURATION

Put the two answers together.

	SHIELD OR SEAL? NO	SHIELD OR SEAL? YES
WELSH PLUG? NO	 Open / open CODE 0	 Shield, no welsh plug CODE 2
WELSH PLUG? YES	 Welsh plug, no shield CODE 1	 Sealed CODES 3 TO 6

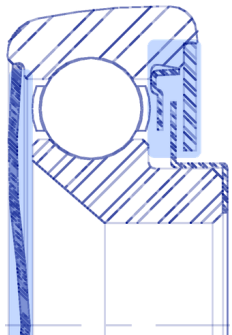
WHY IT MATTERS

Open trolleys must be lubricated in operation by automatic oilers. Fully closed trolleys ship grease packed.



SEALED WHEELS

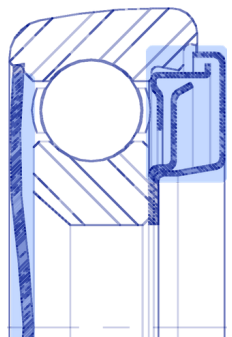
Four ways Frost seals a wheel.



CODE 3

Triple labyrinth

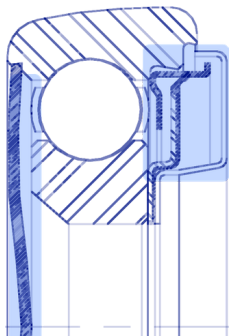
The conveyor industry standard. Retains lubrication and keeps contaminants out.



CODE 4

Splashproof®

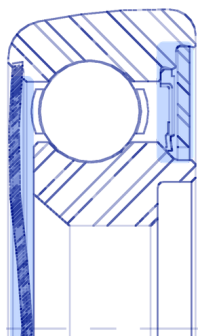
A Frost design that acts as a double triple labyrinth, for severe dirt and liquid.



CODE 5

Splashproof® with wiper

Adds a wiper seal, so the bearing can be relubricated or purged without seal damage.



CODE 6

Contact lip seal

Stays under pressure against the mating surface as it wears. Standard to 275°F continuous, high temperature to 400°F continuous.



STILL NOT SURE?

Send us two photos. We'll identify the wheel.

WHAT TO SEND

- | | |
|---|--|
|  A photo of the I-beam side |  A photo of the bracket side |
|  Part number, if you have it |  Your application |



SCAN TO REQUEST A QUOTE

616.453.7781
frost.sales@frostinc.com

Email photos straight to our sales team.