Spiral Belt Replacement Measurement Record

Six values from your freezer, six read on your old belt. Fill in what you have. Blank is fine: we tell you what is still missing.

Company		**Contact**	
Date		**Freezer maker / model**	

Part A. From your freezer

#	Value	What to write	Your value
1	**Drum (cage) diameter**	From your drawing, maintenance team or the freezer maker	
2	**Turn ratio and turn direction**	Definition and value are confirmed per project. Write what you have, and left or right turn	
3	**Layout**	Single or bi-drum, up or down, number of tiers	
4	**Belt width and length**	Overall width on the old belt; total length or number of tiers	
5	**Drive type and sprockets**	Drive type; tooth count, bore, keyway and state of the teeth	
6	**Product, temperature, cleaning**	What runs on the belt, the temperature range, the cleaning method	

Part B. Read on your old belt

#	Value	How to read it	Worn area	Less-worn area	Unit	Photo
7	**Rod pitch**	Across several rods, then divide. Repeat in a second place				☐
8	**Rod diameter**	Jaws square on the rod, not on a weld bead				☐
9	**Wire diameter**	Jaws square on the wire. Record it apart from the rod				☐
10	**Spiral pitch**	Read in more than one place. Note how you measured it				☐
11a	**Link height**	Read on a worn and on a less-worn link				☐
11b	**Link thickness**	Read on a worn and on a less-worn link				☐
12	**Edge type and finish**	Welded or clinched; note any burrs or cracks. Photograph both edges				☐

Small radius belt: read the inner, middle and outer pitch separately.

Inner pitch		**Middle pitch**		**Outer pitch**	

How to take a reading we can check

Do	Avoid
Caliper display sharp and readable in the photo	Readings written down without a photo
Jaws square on the rod, wire or link	Jaws on an angle or on a weld bead
Several readings, worn and less-worn areas	One reading from the most worn spot
Photos of the whole belt and both edges	Close-ups only
Label each photo: 'rod', 'wire', 'link'	Unlabelled photos

Measurement basis

There is no single reference point or value that fits every belt. For each project, the test data is reviewed and then checked against your requirement, and the final dimensions and tolerances are confirmed against your drawing or old-belt sample. So write down where and how you measured. These notes matter as much as the number.

Where and how did you measure? (optional)

Cannot fill in all twelve?

That is normal. Start with what you have, and we list what is missing.

What you have	What happens next
Photos with caliper readings	First review, indicative quote, list of what is missing
A short section of the old belt	Every belt value read from it, then a sample to compare
A drawing	Checked against photos, then a trial run
Only requirements, no old belt	A drawing for your approval, then a sample

Send your drawing or old-belt photos on WhatsApp

Send this record with your caliper photos. It starts the review; it is not a quotation or a confirmed specification.
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