

HNZ-08P: Belt for High-Performance Combing Preparation



The new HNZ-08P winding belt has been specially designed for the Rieter OMEGAlap combing preparation machine E 36 (and the previous version E 35) and sets the benchmark for this demanding application. The belt offers excellent reliability, high productivity, and a long lifetime.

The HNZ-08P consists of a robust polyamide traction layer and an elastomer-covered fabric on the pulley side that supports precise belt tracking and trouble-free operation.

Extensive tests on high-performance combing preparation machines have proven excellent productivity, good and homogeneous lap quality, and a long belt life. The tests were performed under challenging climatic conditions in Asia.

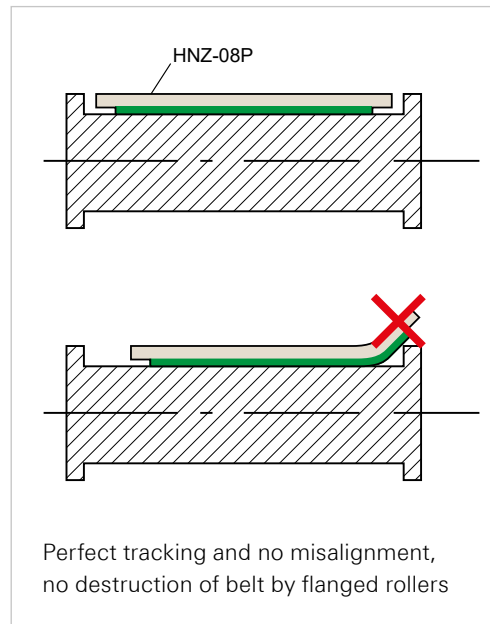
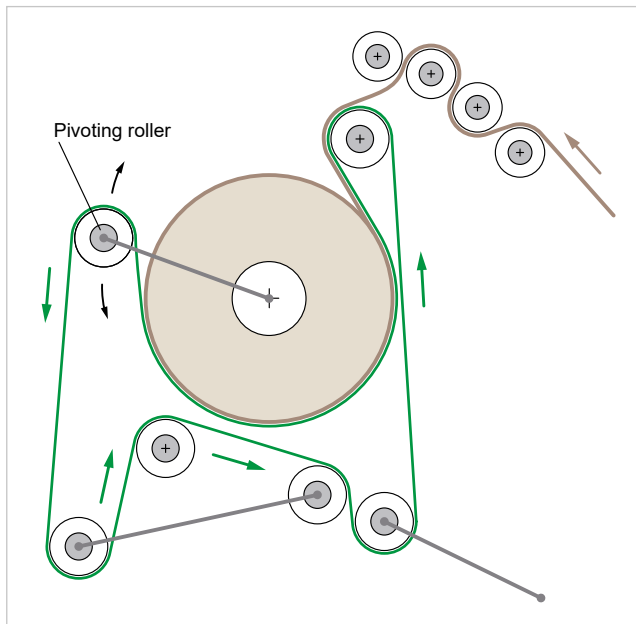
Customers benefit from:

- A reliable, robust and durable belt
- Excellent dimensional stability
- No fiber attraction thanks to a special edge treatment
- Precise tracking, no destruction of belt edges
- High performance
- Attractive lifecycle costs

HNZ-08P: Belt for High-Performance Combing Preparation

Installation

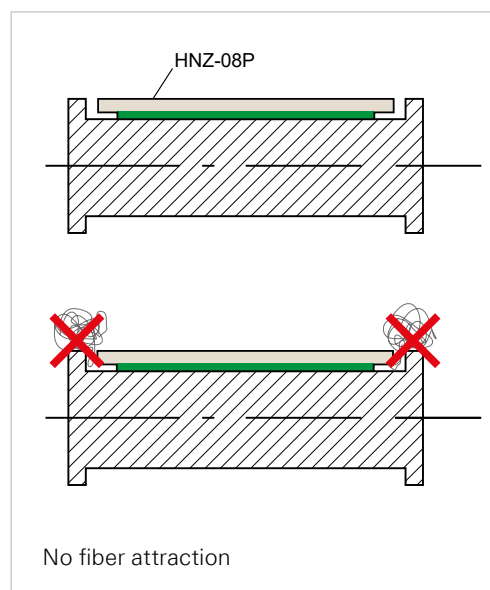
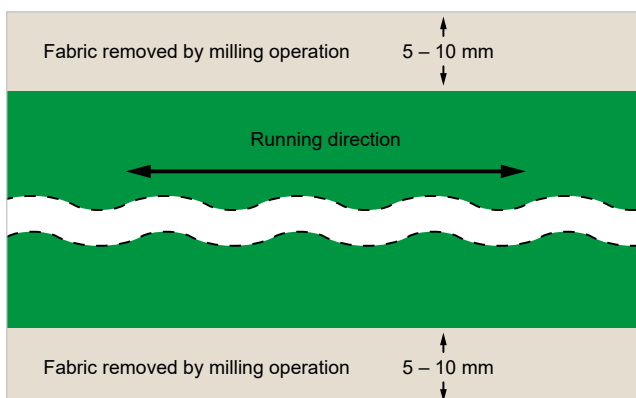
The green side features a durable elastomer cover and must be used as the pulley side in order to achieve precise tracking, optimal performance, and a long lifetime.



Some competitor belts, e.g. pure polyamide foils, are prone to fiber attraction and misalignment. This can lead to destruction of the belt edges by the flanged rollers, requiring early belt replacement in many cases.

Special edge treatment prevents fiber attraction and allows trouble-free operation

The typical overall belt width is 300 mm. The outer 5–10 mm on each side are prepared with a special edge treatment.



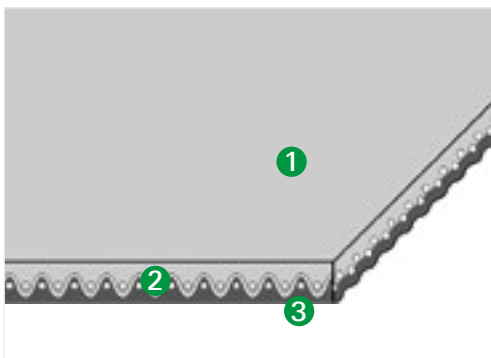
Sketches are not to scale.

Performance summary

Key features	Your benefit
<ul style="list-style-type: none"> • Robust and durable polyamide traction layer consisting of one monolithic foil • Forgiving • Excellent flex-fatigue properties 	<ul style="list-style-type: none"> • No re-tensioning required after installation with adequate initial tension • Reduced machine downtimes • Good fiber orientation and homogeneous lap quality that supports the production of high-quality yarn • High machine performance • Low operating costs
<ul style="list-style-type: none"> • Durable, abrasion-resistant, high-performance elastomer-covered fabric on the pulley side • Constant coefficient of friction • Excellent flex-fatigue properties 	<ul style="list-style-type: none"> • Reliable and consistent grip • High machine performance • Long belt service life
<ul style="list-style-type: none"> • Precise belt tracking thanks to the elastomer-covered fabric on the pulley side 	<ul style="list-style-type: none"> • No re-adjustments required • Trouble-free machine operation • High machine performance • Long belt life
<ul style="list-style-type: none"> • No fiber attraction thanks to a special edge treatment 	<ul style="list-style-type: none"> • Trouble-free operation • Less machine downtime • Higher productivity

In brief: high machine performance, excellent lap quality, a long belt life and low lifecycle costs

Cross-section



- 1 Smooth on the semi-translucent conveying side
- 2 Polyamide foil as the traction layer
- 3 Elastomer-covered fine fabric on the pulley side

Technical key data

Belt type	Belt thickness		Tensile force for 1% elongation (relaxed)		Color pulley side	Color opposite side
	mm	inch	N/mm	lbf/inch		
HNZ-08P	1.6	0.06	8	46	Green	Semi-translucent

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



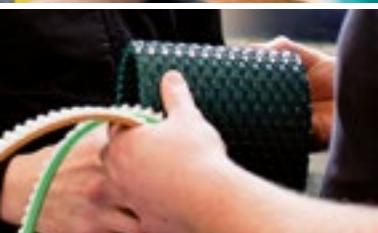
Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4448SRF.CVB-en1118HOR