

**oerlikon**  
balzers

**For seconds, minutes,  
hours, days, months,  
years: BALINIT.**



**High End Deco**



# BALINIT enhances the quality of genuine precision craftsmanship.

One of the main reasons why top-notch mechanical watches are such wonders to behold is that they are so tiny. We at Oerlikon Balzers have been in the vanguard of this evolution, by virtue of our being a worldwide technology leader for anti-wear solutions. Our innovative BALINIT® layers make not only watch mechanism parts, but also watch housings

and watch wristbands extremely resistant to wear. What's more, BALINIT® layers are notable for their wide-ranging and appealing selection of colours.

This makes luxury watches, in particular, highly decorative. BALINIT® solutions have many advantages:

## Extremely hard layers

Top-drawer protection against abrasion

Highly scratch resistant

## Low friction coefficient

Outstanding protection against abrasive wear

Makes moving parts highly resistant to wear, even in the case of inadequate lubrication or if the parts are being run dry.

## Large selection of colours

Ideal for countless decorative uses

Highly resistant to chemicals and perspiration

Hypo-allergenic

## Highly reliable performance thanks to reduced wear

## Longer maintenance intervals and reduced lubricant use

## Outstanding colour accuracy with substantially longer part service lives

**More reliable, more robust and more visually appealing**



### Decorative wear-resistant watch parts

Thanks to amorphous carbon layers BALINIT® DLC and BALINIT® C, BALINIT® gold complies with Swiss watch industry standards.



### Less friction and wear of escape wheels

Thanks to amorphous carbon layers BALINIT® DLC and BALINIT® C. This also reduces the amount of lubricant needed and means that maintenance is needed less frequently.

# Attractive colours enhance the visual appeal of luxury watches.

Thanks to environmentally friendly PVD (Physical Vapour Deposition) technology, numerous attractive colour layers can be achieved. Apart from BALINIT® solutions, Oerlikon Balzers offers other decorative layers based on PVD

technology. Thanks to their layer thickness ranging from 0.5 to 1 µm, these decorative layers provide tremendous visual appeal via an authentic layer structure while meeting the most exacting function and design standards.

**BALINIT® CNI**  
light silver grey



**BALINIT® DLC**  
anthracite



**BALINIT® DLC**  
black



**BALINIT® DLC**  
midnight black



**BALINIT®**  
gold 1N14



**BALINIT®**  
gold 2N18



	<b>BALINIT® CNI Light silver grey</b>	<b>BALINIT® DLC anthracite</b>	<b>BALINIT® DLC black</b>	<b>BALINIT® DLC midnight black</b>	<b>BALINIT® gold 1N14</b>	<b>BALINIT® gold 2N18</b>
Coating material	PVD	DLC	DLC	DLC	PVD	PVD
L value	75	48	45	35	-	-
Micro hardness (Hk 0,01)	1,750	2,500	2,500	2,000	2,400	2,400
Coating thickness (µm)	1 - 4	1 - 4	1 - 4	1.5 - 4	1 - 3	1 - 3
Abrasion factor (with dry steel)	0.5	0.1 - 0.2	0.1 - 0.2	0.1 - 0.2	-	-
Coating colour	silver grey	anthracite	black	midnight black	pale gold 1N14	yellow gold 2N18

**Take advantage of our innovative colour coatings.  
Drop us a line or give us a call!**

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