

# Brake Noise Bulletin

**Trelleborg Rubore** *Your partner from start to finish*

## **SHINOX** – a new corrosion resistant bright steel

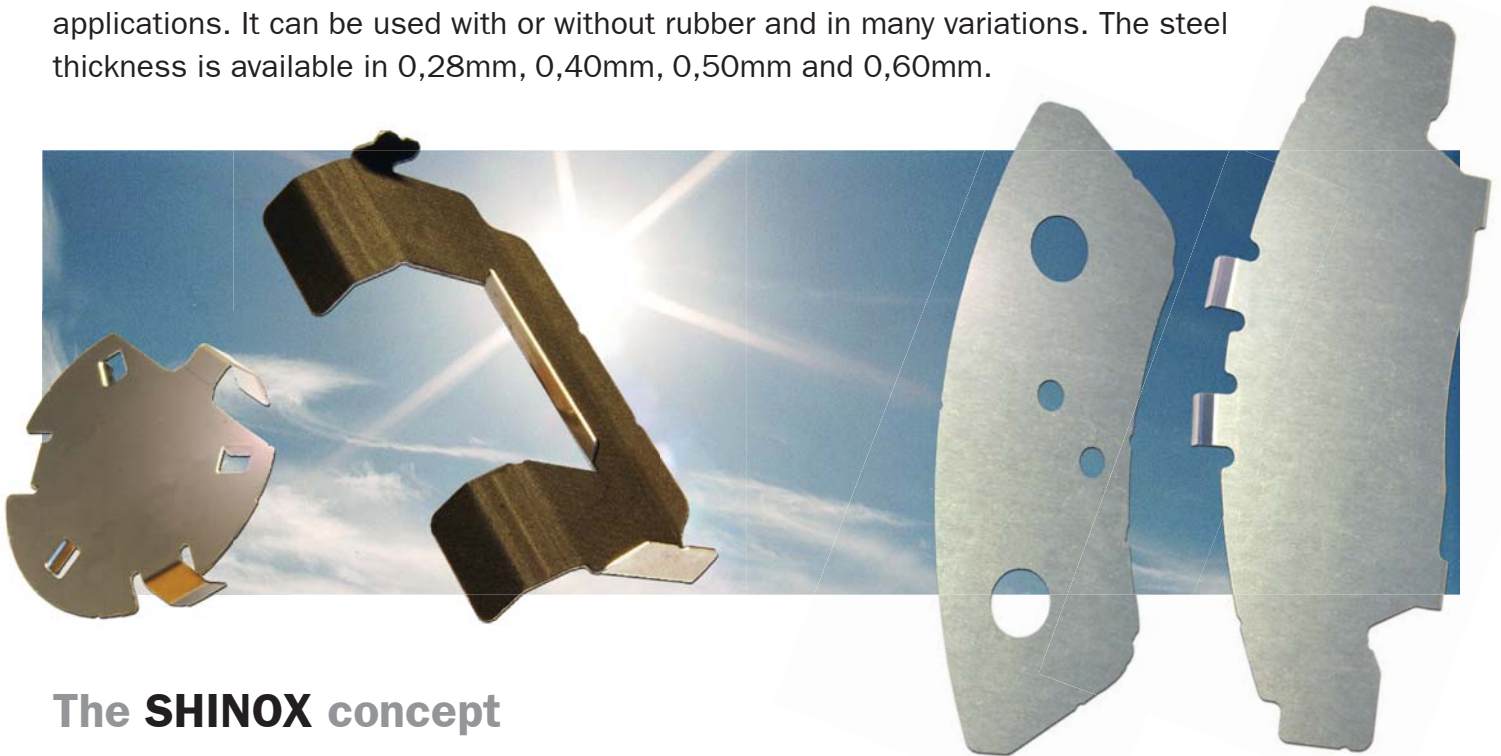
**A truly cost effective alternative to stainless steel.**

**In brake applications where high performance and reliability is required.**

A recent success within Trelleborg Rubore is the new **SHINOX** material.

A new corrosion protected bright steel material with the same visual appearance as stainless steel and with similar mechanical properties.

**SHINOX** has been proven as a suitable alternative to stainless steel in brake applications. It can be used with or without rubber and in many variations. The steel thickness is available in 0,28mm, 0,40mm, 0,50mm and 0,60mm.



## The **SHINOX** concept

- ▼ **Superior durability & corrosion resistance**  
Coated with anti-fingerprint which makes the surface printable
- ▼ **Excellent resistance to piston penetration and wear**
- ▼ **Is available in various steel grades**

Some call it an excellent economical alternative to stainless steel.

We call it **SHINOX**

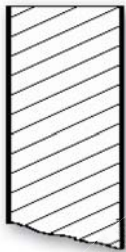
# Brake Noise Bulletin

**Trelleborg Rubore** *Your partner from start to finish*

## SHINOX – a new corrosion resistant bright steel

**Material  
cross section**

**Material layers,  
standard thickness**

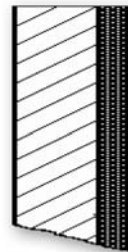


Shinox, fullhard  
0,28 mm  
0,40 mm  
0,50 mm  
0,60 mm



**Material  
cross section**

**Material layers,  
standard thickness**



Shinox, fullhard 0,28 mm  
0,40 mm  
0,50 mm  
0,60 mm  
  
Nitrile rubber, 4403 (G-surface) 0,14 mm  
0,20 mm  
  
Total thickness 0,42 - 0,84 mm



**Trelleborg Rubore, UK**  
c/o Trelleborg Industrial AVS  
1 Hood Close, Leicester  
LE4 2BN, Great Britain  
Phone: +44 116 267 0339  
Fax: +44 116 267 0510

**Trelleborg Rubore Inc,  
South America**  
Av. Betsaida, 176 Jd. Betania  
18071-490, Sorocaba-SP  
Brazil  
Phone: +55 15 3223 3459  
Mobile: +55 15 9134 7191

**Trelleborg Rubore, Korea**  
Boram Trading Company  
#318, 14 Dong, Sihetung,  
Yutong Sangga 984,  
Siheung 3-dong, Geumcheon-gu  
Seoul, Korea  
Phone: +82 2896 3462  
Fax: +82 2806 5250

**Trelleborg Automotive, France**  
Rue du Tertre BP 419  
FR-44474 Carquefou Cedex  
France  
Phone: +33 240 686 315  
Fax: +33 240 686 441

**Trelleborg Rubore Inc, USA**  
1856 Corporate Drive  
Suite 135  
Norcross, GA 30093-2925  
USA  
Phone: +1 770 729 8030  
Fax: +1 770 729 1820

**Trelleborg Rubore K.K, Japan**  
4-4-8 Nakato  
Musaashimurayama-shi  
Tokyo 208-0001, Japan  
Phone: +81 42 590 5178  
Fax: +81 42 590 5178

**Trelleborg Rubore, Germany**  
Kléberstrasse 2  
D-40822 Mettmann  
Germany  
Phone: +49 2104 217 261  
Fax: +49 2104 217 229

**Trelleborg Rubore Inc, USA**  
445 Enterprise Court  
Bloomfield Hills,  
MI 48302-0307  
USA  
Phone: +1 248 631 0100  
Fax: +1 248 631 0198

**Trelleborg Rubore, China**  
818 Room Shangri-La Hotel  
569 Xian Road  
Changchun 130061  
China  
Phone: +86 431 8597 388  
Fax: +86 431 8590 800

**Trelleborg Rubore, Italy**  
Via Roma 53  
12100 Cuneo  
Italy  
Phone: +39 0171 605 511  
Fax: +39 0171 609 662

**Trelleborg Rubore, Australia**  
141 Osborne Street  
South Yarra 3141  
Melbourne  
Australia  
Phone: +61 3 9279 3956  
Fax: +61 3 9866 7277

**Trelleborg Rubore, China**  
Shanghai Caohejing Hi-Tech Park  
Suite A1105, 900 Yishan Road  
Shanghai 200233  
China  
Phone: +86 21 5423 5999\*104  
Fax: +86 21 5423 4380

**Trelleborg Rubore AB**

Box 860, S-391 28 Kalmar, Sweden. Street address: Franska vägen 18B.  
Phone: +46 480 499 400. Telefax: +46 480 499 494.  
Internet: [www.trelleborg.com/rubore](http://www.trelleborg.com/rubore)