



# LOW NOISE ROLLER

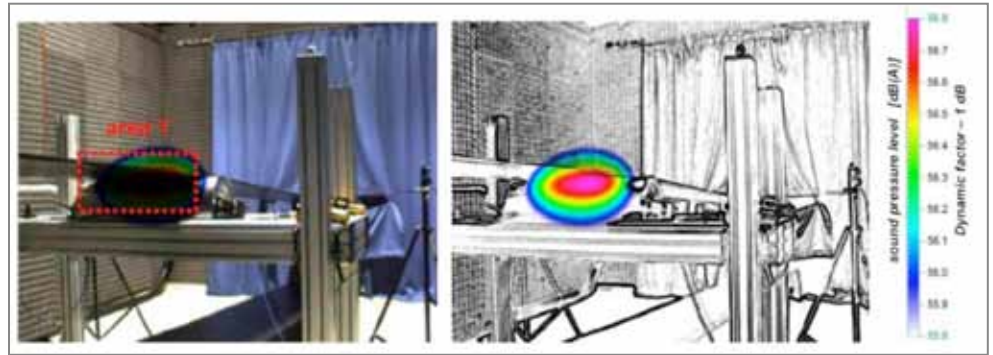
**RULMECA solution for low noise according to the Directive RL 2000/14/EC**



High quality microphones and signal process with dedicated hard-/software



Rulmecca own measurement chamber, equipped with sound-absorbing materials



**RULMECA carried out an extensive testing campaign, both in the in-house laboratory and in real application on the field and is now proud to present a new solution for low noise rollers.**

RULMECA takes very seriously the issues related to roller noise with:

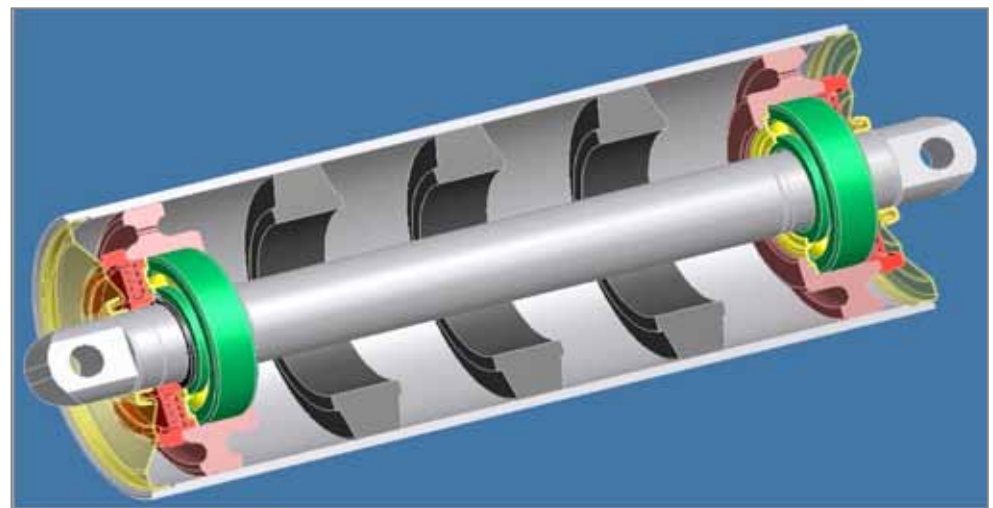
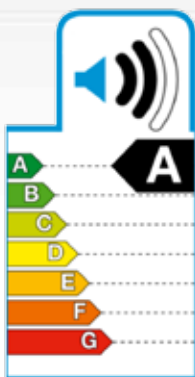
- The best equipment available;
- A specific Test room designed and prepared to meet the highest standards;
- Strong partnerships with engineering companies with specific experience in noise issues;



## FEATURES AND BENEFITS:

- The RULMECA low noise roller has been specially machined to achieve very precise values of TIR and MIS. This allows high running smoothness and a reduction of noise emissions up to 12 dB (A) Lwa, compared to standard rolls.
- The high reductions in vibrations are also achieved by an accurate dynamic balancing procedure of class G12 according to DIN1940.
- With additional internal damping elements and the above actions, a whole noise reduction of 14 dB (A) Lwa is achievable. (registered design BRD 202010007189.5)
- These HIGH QUALITY RULMECA ROLLERS are recommended in high speed conveying applications where very low noise levels are required.
- Additional possibilities are:
  - Use of RULMECA 'TOP' or 'SUPREME' rollers for special applications, (see separate flyer)
  - Decoupling from conveyor steel structure with special damping solutions
  - Special roller coatings (HDPE/LDPE/PU/Rubber)
  - Special connecting elements, etc.

We have the knowledge and the best options to find the right solution for your material handling applications.



RULMECA roller solution with internal damping elements



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PSV solution for roller diameter up to 159mm



HDR solution for roller diameter  $\geq 194$ mm

## FEATURES

Ø Tube [mm] (**)	108, 133, 159, 178, 194, 219
Ø Spindle [mm] (*)	20 (6204 ball bearing) up to Ø133 mm 25 (6305 ball bearing) up to Ø133 mm 30 (6306 ball bearing) up to Ø133 mm 40 (6308 ball bearing) from Ø133 up to Ø194 mm 50 (6310 ball bearing) from Ø159 up to Ø219 mm 60 (6312 ball bearing) from Ø194 up to Ø219 mm
Load capacity	Designed for medium and heavy duty applications
Sealing	Available in contactless execution, for low running noise and low running resistance
Application	Suitable for special applications with low noise requirements < 80 db (A) Lwa sound power level acc. DIN EN ISO 3746:2009 with 1m distance, specific TIR and MIS requested, high speed up to 10 m/s, ambitious balancing class up to G12 (DIN ISO 1940)

(\*) for information about special assignment between spindle Ø and tube Ø please ask your local RULMECA company

(\*\*) 102, 127, 152 on request

[www.rulmecca.com](http://www.rulmecca.com)

Your local Partner:

**Rulmecca Group Headquarter:**  
**RULMECA HOLDING S.P.A.**  
 Via A.Toscanini, 1  
 24011 ALME' (BG) Italy  
 Tel. +39 035 4300111  
 Fax +39 035 545700  
 export-it@rulmecca.com