



transtex belting

silent partner®
lightweight conveyor belting

Transtex – lightweight rubber & pvc

forbo

MOVEMENT SYSTEMS

silent partner®

lives up to its name

Lightweight Conveyor Belting (Forbo Transtex) is pleased to present our expanded range of **silent partner® (QB®)** non-woven conveyor belting. Developed in response to specific market needs for performance and low noise operation, each product truly lives up to its name, and that is music to anyone's ears. Our expanded **silent partner® (QB®)** product range is made up of three product groups: High performance **QB150PH**, value engineered **QB120**, and our latest addition, the highly abrasion resistant Carboxylated Nitrile saturated **QBR®**.

The innovative needled fabric design used in **QB®** products sets a new standard for performance and low noise operation, and reduces noise by up to 20db in comparison to the friction surface of standard solid-woven belting, and up to 9db lower than the RFL treated friction surfaces found on rubber belting. Both **QB150PH** and **QB120** are produced with a high quality PVC compound that offers long belt life and economical operation. **QBR** is produced with a performance engineered Carboxylated Nitrile (XNBR) latex saturation that offers exceptional abrasion resistance and is available in both Highly Conductive (HC) and non-conductive variations.

Lower noise levels 20db is similar to going from a busy street into the average home. Reduced noise generation means a more comfortable and safer working environment. **SilentPartner®(QB)** products are an excellent choice in large Airport Baggage Handling, Distribution Center, and Package Handling applications that are becoming increasingly sensitive to the environment issues of noise generation.

QB150PH **silent partner®** Applications

Airport Baggage Handling

Distribution Centers

Package & Parcel Handling

Metals Processing

Unit Handling

Furniture Manufacturing

Wood Products

QB150PH Products

Features	Benefits
Innovative needled fabric construction	• Rated at 150lbs/inch working tension • Low noise emissions, producing less than 70db running at 500 feet per minute. • Outstanding resistance to impact and cutting • Able to flex over small pulleys
Balanced polyester carcass with S and Z warp yarns	• Excellent mechanical fastener retention reduces downtime • Superior tracking prevents excessive edge wear • Low stretch and no ply separation increases belt life and reduces maintenance costs
Precise coefficient of friction on bottom surfaces	• Ensures smooth performance and allows for smaller hp motors • Reduces power consumption and energy costs
Wide range of top cover impressions	• Heavy Matte (HM), Roughtop (RT), and Longitudinal Rib (LR) easily handle most incline/decline applications
ASTM 378 or ISO 340 flame-retardant covers	• Promotes safe conveying environment





QB120 Products

Features	Benefits
Valued-engineered needled fabric construction	- Rated at 120 lbs/inch working tension - Economical performance - Low noise emissions, producing less than 70db running at 500 feet per minute. - Able to flex over small pulleys
Balanced polyester carcass with S and Z warp yarns	- Good mechanical fastener retention reduces downtime - Superior tracking prevents excessive edge wear - No ply separation increases belt life
Precise coefficient of friction on bottom surfaces	Ensures smooth performance and reduces power consumption
Wide range of top cover impressions	Heavy Matte (HM), Roughtop (RT), and Longitudinal Rib (LR) easily handle most incline/decline applications
ASTM 378 or ISO 340 flame-retardant covers	Promotes safe conveying environment

QBR® Products

Features	Benefits
Precision needled fabric design	- Low noise emissions, producing 65db - Available in working tensions of 100 lbs/inch, 115 lbs/inch, and 135 lbs/inch - Good mechanical fastener retention reduces downtime - Shock absorbent - Superior tracking
High abrasion Carboxylated Nitrile (XNBR) Latex carcass saturation	- Resists wear and provides for long life - Offers wider temperature range than PVC QB150PH or QB120 - Ensures smooth performance
Available in highly conductive (HC) and standard non-conductive constructions	- HC offers static conductivity $< 1 \times 10^7$ per ISO-284 - HC products are conductive top and bottom and through the belt
Low coefficient of friction bottom surface	Works well on slider-beds, generates less heat, allows for smaller motors, and reduces energy consumption

QB120 silent partner® Applications

General Package Handling

Incline/decline conveying where low noise is required

QBR® silent partner® Applications

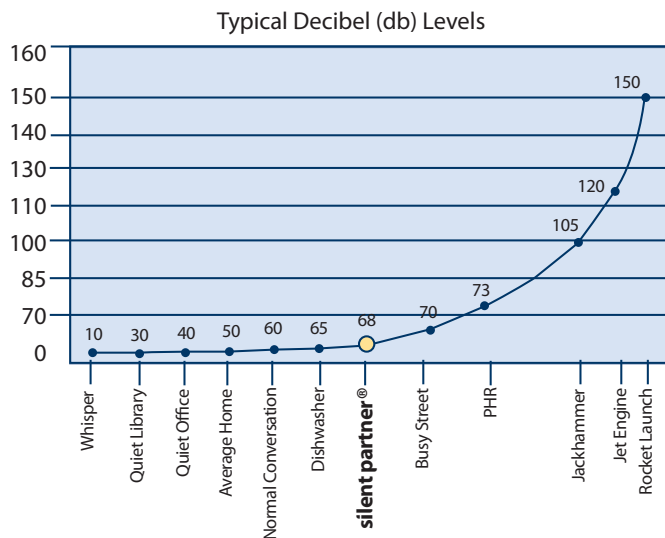
Airport Baggage Handling

Highly conductive (HC) products work well in Airport X-Ray screening systems

Highly conductive (HC) products are an excellent choice for electronics industry manufacturing applications where static charges can be destructive

Green, non-conductive, is an excellent choice in metal stamping applications

Wood and furniture manufacturing



Available cover impressions

- Heavy Matte (HM) -QB150PH and QB120
- Roughtop (RT) - QB150PH and QB120
- Longitudinal Rib (LR) - QB150PH and QB120
- Polyurethane (smooth and profiled) - All

Noise level testing is performed by installing a Decibel Meter at a predetermined distance from a conveyor belt as it is running over a slider bed surface. The sound levels obtained by this method are in a controlled environment ensuring consistent and reliable test data. These results are not a indication of the levels that will be obtained in other environments, but do offer a relative comparison proving that **silent partner®** operates at considerably lower noise levels.



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