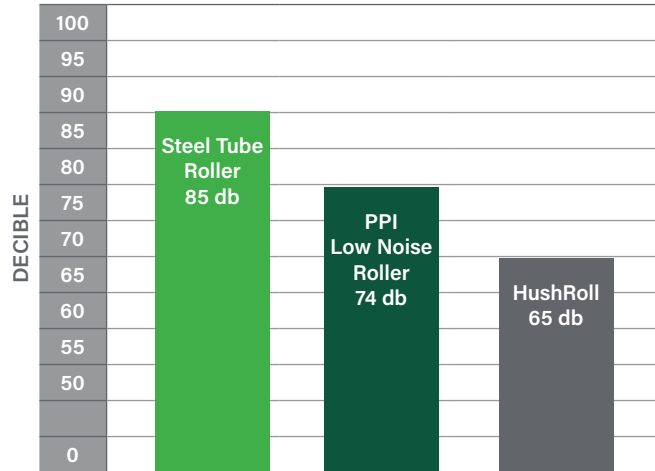Current one-piece steel return rolls operate with the belt running over a tube at high speeds creating a vibration. This causes the tube to act as an tuning fork resulting in very loud working conditions. PPI has developed the Hush Roll as solution to quieter working conditions and to improve overall workplace safety. This design features bearings at multiple, independent contact points able to grip the belt at high speeds and eliminates the vibration reducing the noise. These contact points also isolate objects caught between the belt and roll. This safer design can be used in some cases to eliminate costly guards which then reduces the overall conveyor cost. This design is ready to bolt in place of the standard 2.125″ return roll.

FEATURES AND BENEFITS

- Emits ¼ the amount of sound produced by a typical roll

- The quietest return roll available in the market

- Safer by design – Multiple independent belt contact points eliminates the need for extra guarding reducing conveyor cost

- Drop in ready for all common 2.125″ return roll

- Recommended to be installed on 150 fpm and faster conveyors

- PVC/Phthalate resistant bearing coating

- Approved for use in parcel applications

SOUND READINGS 60″ CONVEYOR 540 FPM

DECIBLE			
100			
95			
90			
85	Steel Tube Roller 85 db		
80			
75		PPI Low Noise Roller 74 db	
70			
65			HushRoll 65 db
60			
55			
50			
0			

- Sound doubles every 10 db

- Base sound reading of conveyor 63 db

- Steel tube roller is twice as loud as the low noise roller and four times louder than the Hush Roll

EVERYDAY REFERENCE

85 db = Lawnmower or blender

65 db = Normal indoor conversation

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