

## **Tempo TQ roll, wherever something different is needed or required: H.D.P.E. transport roll**

**The Tempo TQ roll is a completely new and patented transport roll that is manufactured from high quality synthetic material. The innovative features of this roll are that the tube and the bearing cases are made entirely from H.D.P.E. This makes for noise-free operation, reduces wear and makes the roller 55% lighter than traditional steel rollers.**

The Tempo TQ roll is the solution at locations where noise hindrance is a problem. Acoustic measurements have shown that this roll can reduce ambient noise by 10 dB, in comparison to a traditional steel transport roll.

The threefold bearing protection and a complete H.D.P.E. tube also help to make this transport roll highly suitable for outdoors use and for deployment in enclosed production halls.

This roll has been tested extensively in various sectors: Bulk materials handling, sand and gravel industry, compost and recycling, cement and concrete, glass, compost, fertilising factories and so on.



# Tempo TQ: A high quality High Density Polyethylene transport roll

The features and properties of this transport roll include:

1. **High quality materials:**

The tube of the transport roll is made from injection moulded H.D.P.E. and is highly shock resistant, acid resistant, anti-oxidant, anti-alkaline, reduces wear and tear on conveyor belts, has a low adhesive power and is abrasion resistant.

2. **A very rigid and highly impact resistant product:**

In contrast to steel transport rolls, the Tempo TQ roll is extremely impact resistant and self repairing. The groove reinforcements of the tube gives this transport roll the same rigidity as a steel transport roll.

3. **Exceedingly waterproof and dust resistant:**

The Tempo TQ transport roll provides a triple protection for bearings. Sealing rings guarantee that no water or dust can penetrate the inside of the transport roll. A special drainage slot centrifugally drains water from the bearings and the inside of the transport roll, keeping them dry under all weather conditions. The patented triple labyrinth seals offer 45% more capacity than traditional steel transport rolls, for preventing the entry of water and dust.

4. **High noise absorbing capacity:**

Due to their steel casing and bearing housings, steel transport rolls are acoustic boxes that amplify every noise. The Tempo TQ transport roll dampens every noise, both in the tube and in the bearing case. This can lead to a decrease in noise production of at least 10 dB (A). This injection-moulded transport roll is perfectly round, while the surface of steel rolls is irregular, due to welded seams.

5. **Highly efficient:**

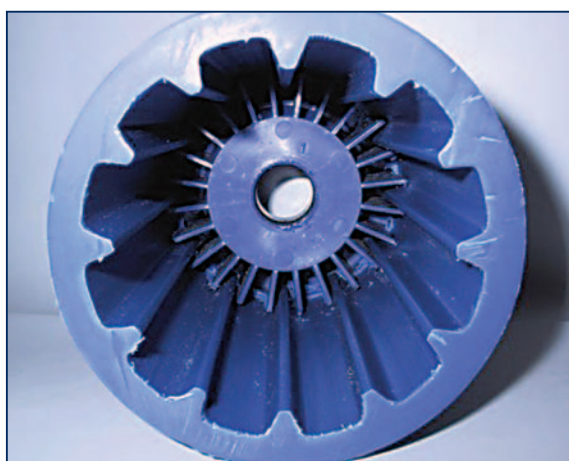
Removable unit, homogeneous mass, good rounding, minimal roll resistance, suitable for working at high speeds, energy-saving, low-noise and low performance requirements on motors.

6. **Light weight:**

The Tempo TQ transport roll is 55% lighter than a traditional steel transport roll, making energy and material savings of 25% possible. The reduction in weight by more than 50 % also eases working circumstances, particularly when lifting the transport rolls.

7. **Low maintenance costs:**

Long operating life, no lubrication required, simple replacement, all of which reduces the time required for maintenance works to a minimum.



Roll Ø	Rolllength	Axis Ø	Axislength	Key
	250		276	
89	315		341	15 x 10
en	380		406	
108	750	20	782	
	950		982	15 x 13
	1150		1182	

TQ transport rolls are produced according to the DIN standards

Other sizes on request

