

The Evolution of **Bearing/Hub Technology**



impulse wheel in the seal.

EARLY DESIGN

Tapered Cup & Cone Bearing Assemblies

Consist of the cone, the cup and the tapered rollers. The taper angles allow the bearing to handle a combination of vehicle loads. The steeper the cup angle, the greater the ability of the tapered roller bearing to handle loads.

This design is still in use on older automotive, agriculture and medium/heavy duty applications.



These units are used for non-driven front or TCS include an integrated or rear wheels.

> Units for vehicles with wheel speed sensors include an impulse wheel (tone ring), which is located on the outer ring.



with Built-In Flanges

Hub bearings provide a lighter more compact design by incorporating a flange in the non-rotating bearing ring and another flange in the rotating ring of the bearing.

The small rotating inner ring was mounted on the rotating flanged inner ring to maximize load capacity.

Today's Generation 3 hub assemblies help the industry hit several efficiency targets by reducing weight, noise, vibration and overall OE system costs.

Call us today at 800.626.8333 to Order Your Needs!