



Fig. 1: Emulsion-coated hub

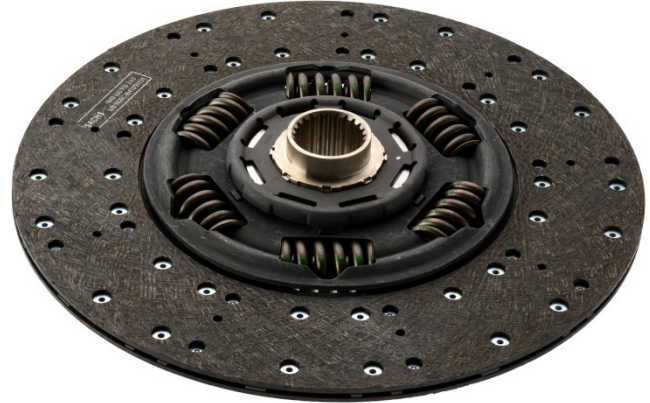


Fig. 2: Nickel-plated hub

Clutch disks with nickel-plated hub or emulsion-coated hub reduce the generation of friction corrosion between transmission input shaft and hub.

With regard to the quality, both versions are to be considered as equal. Only the handling of the clutch disk during assembly is decisive for choosing the coating variant.

Due to automated assembly, commercial vehicle manufacturers use clutch disks with a nickel-plated hub. No subsequent greasing is required with nickel-plated hubs.

Due to the high energy consumption and toxic evaporation during manufacturing, nickel-plating damages the environment. Clutch disks by ZF Services are emulsion-coated and thus protected against corrosion. This procedure has been released by many renowned vehicle manufacturers.

To ensure durable sliding ability of the hub profile, it must be lubricated with a suitable grease:

SACHS high performance grease, 1 g grease pad (item no. 4200 080 060)

SACHS high performance grease, 80 g tube (item no. 4200 080 050)



Observe **Clutch Installation in Passenger Cars and Commercial Vehicles - Greasing the Hub Spline Service Information** (11560 EN).



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