

## Application: Impax Supreme

### More power with Impax Supreme



Anders "Charley" Karling, European Champion in Drag racing Super Twin Top Fuel Bikes, knows what high speed is. With 800 bhp spread over 345 kilos, the forces are enormous on the components and in order to be a top performer, Karling uses Uddeholm steel in his bike.

The strength in the original connecting rods was too low, so the full power potential in the engine could not be used.



The solution was connecting rods manufactured in **Impax Supreme** with a hardness of 300 HB. Today, the full motor power can be used without deformation of the connecting rods.

### Characteristics

<b>Impax Supreme</b>	
<i>Delivery hardness &amp; Maximum hardness</i>	Prehardened to 300 HB, maximum hardness approx. 50 HRC. Good for induction hardening.
<i>Strength</i>	Delivery condition: $R_m=1020 \text{ N/mm}^2$ , $R_{p0,2}=900 \text{ N/mm}^2$
<i>Toughness</i>	Charpy V approx. 27 J at 21 °C
<i>Fatigue</i>	The clean material ensures good fatigue properties