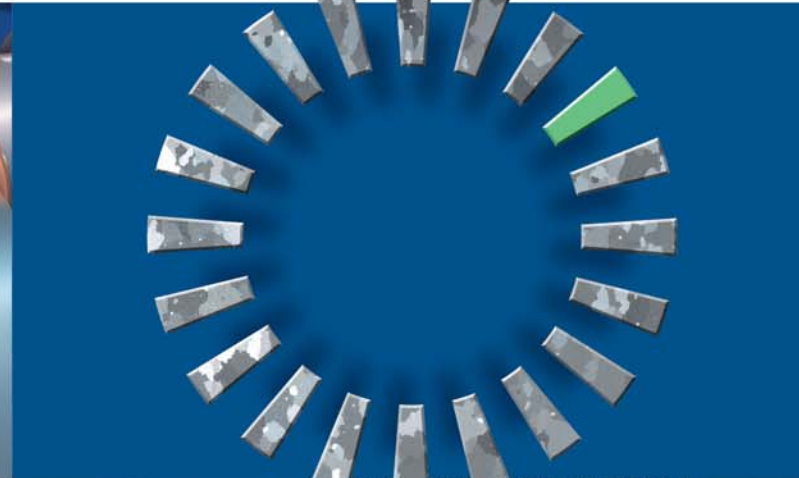
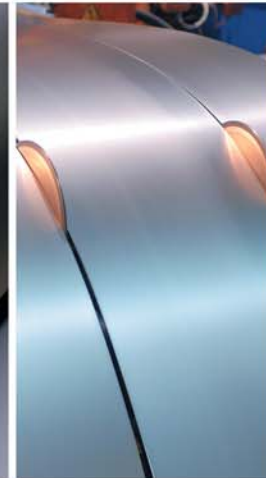
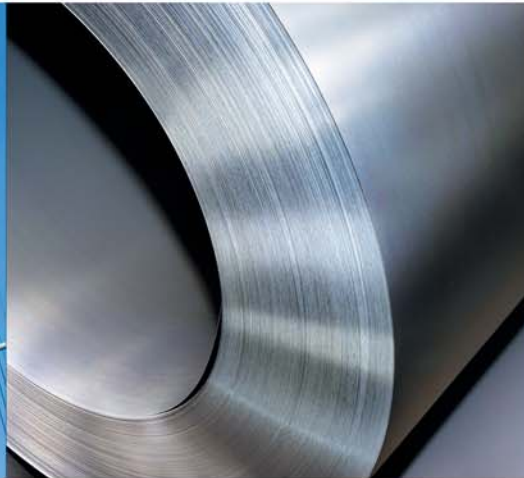


# PowerCore® H Benefits

PowerCore® H  
The core material for the future!



### Cost benefits due to

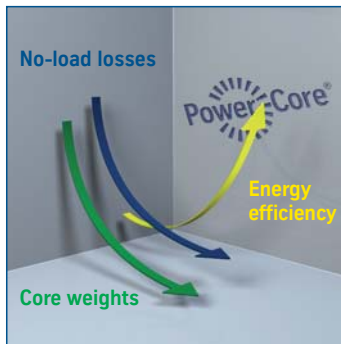
- lower core weights
- more compact dimensions

### Higher energy efficiency due to

- minimum no-load losses
- better capitalization of losses

### Reduced noise generation due to

- extremely low level of magnetostriction
- improved insulation properties



**Don't hesitate to contact us  
for further information.**

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**ThyssenKrupp  
Electrical Steel**



ThyssenKrupp



With worldwide demand for energy constantly increasing and resources decreasing, it's crucial to take a responsible approach when generating, transforming and distributing electrical energy. ThyssenKrupp Electrical Steel's state-of-the-art **PowerCore® H** product is a major step to ensure that power and distribution transformers meet these requirements.

Our Gelsenkirchen and Isbergues plants are involved in ongoing activities for further improvement of our grain-oriented **PowerCore® H** electrical steel. Our goal is to optimize the complex production process and the product characteristics even more.

Grade	Thickness*		Typical coreloss at		Maximum coreloss at		Typical polarization at	Guaranteed polarization at
	mm	inch	1.7 T 50 Hz W/kg	1.7 T 60 Hz W/lb	1.7 T 50 Hz W/kg	1.7 T 60 Hz W/lb	800 A/m typ. T	800 A/m T
<b>Power Core®</b>								
<b>H 085-23</b>	0.23	0.009	0.81	0.49	0.85	0.51	1.91	1.88
<b>H 090-23</b>	0.23	0.009	0.86	0.52	0.90	0.54	1.91	1.88
<b>H 095-23</b>	0.23	0.009	0.91	0.55	0.95	0.57	1.89	1.88
<b>H 100-23</b>	0.23	0.009	0.96	0.58	1.00	0.60	1.88	1.85
<b>H 090-27</b>	0.27	0.011	0.87	0.52	0.90	0.54	1.91	1.88
<b>H 095-27</b>	0.27	0.011	0.92	0.55	0.95	0.57	1.91	1.88
<b>H 103-27</b>	0.27	0.011	0.97	0.58	1.03	0.62	1.89	1.88
<b>H 105-30</b>	0.30	0.012	1.02	0.61	1.05	0.63	1.91	1.88
<b>H 111-30</b>	0.30	0.012	1.06	0.64	1.11	0.66	1.90	1.88

\* Further thicknesses on request.