



thyssenkrupp

perdur[®]

Wear-resistant plates cut to size



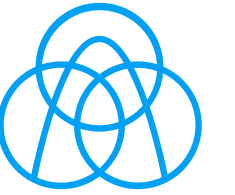
thyssenkrupp perdur® steels are wear-resistant steels with excellent machinability and particularly high toughness.

perdur® references to “performace” and “durability”

perdur® 400 and perdur® 450 offer versatile, cut-to-size sheets that combine high wear resistance with excellent forming properties, offering guaranteed toughness and all the advantages of thyssenkrupp steel in a single product.

Our perdur® custom-made sheets are initially available in a range of thicknesses from 4.00 mm to 8.00 mm.





The advantages of our perdur® steel:

✓ Greater wear resistance

✓ Improved formability compared to conventional structural steel

✓ Excellent cutting and welding properties

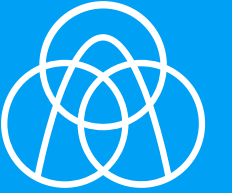
✓ Superior quality and surface uniformity





A unique property that is unrivaled: compared to classic thick sheets of the same dimensions, perdur® has a better resistance to embrittlement and is therefore ideal for high-quality processing in your customized applications.





Less CO₂, higher load and longer service life



perdur® for greater cost-effectiveness
and sustainability



Brand-name quality for high stability and
optimum power transmission

Forging a sustainable future together

Our perdur® brand guarantees the combination of hardness and strength, and therefore enables the construction of lighter, more durable and sustainable dump trucks and container loaders.

Are you looking to expand your product range? We support you with our expertise in construction applications and material selection. Contact us.



An efficiency and ecological improvement for your products:

Lower overall net weight

Considerable increase in workload

Substantial fuel savings

Improved carbon footprint and CO₂ in use

Cost reduction thanks to the greater durability of wear parts

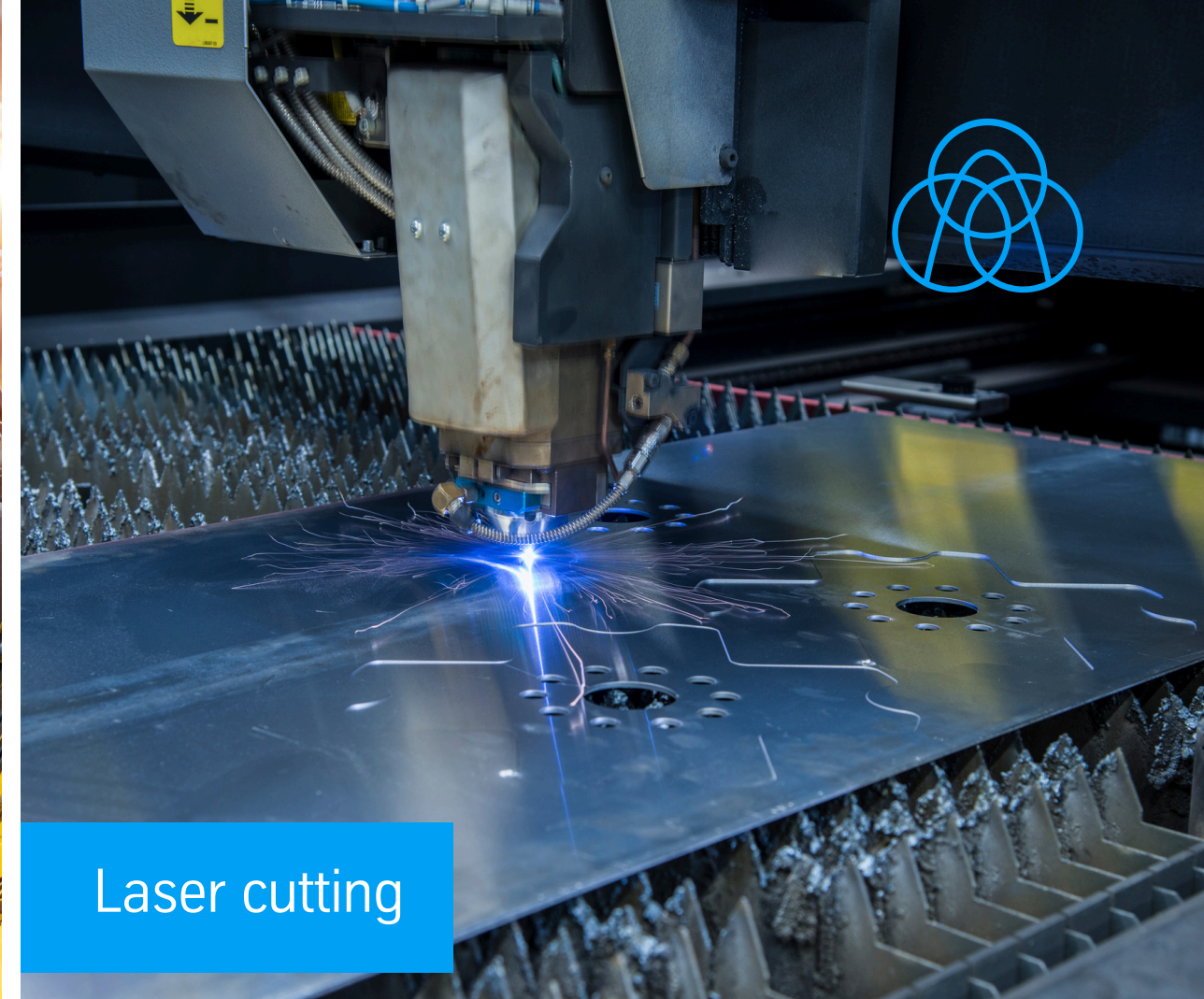
Where can we find perdur[®] ?



Tilting boxes



Agricultural machinery



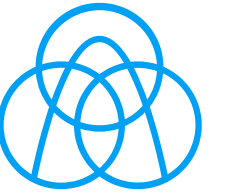
Laser cutting



Garbage trucks



Snowplough blades



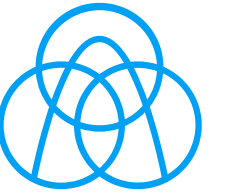
Available dimensions

Plates cut to size

Steel quality	Thickness from_to (mm)	Material width	Material no.	Particularity	Delivery method
perdur [®] 400	4,0 ≤ t ≤ 8,0	1.500	1.8714	Tenacity guaranteed	Plates cut to size
perdur [®] 450	4,0 ≤ t ≤ 6,0	1.500	1.8722	Tenacity guaranteed	Plates cut to size
	6,0 ≤ t ≤ 8,0	1.600			

Length: Min. 2.000 mm, max. 16.000 mm.

Other dimensions on demand.



Technical specifications

Mechanical properties - Test of longitudinal direction to the direction of the guide, delivery condition: thermomechanically rolled, for all thicknesses

	Yield point	Traction force	Elongation at break	Resilience	Impact energy	Brinell hardness
	$R_{p0,2}$ tip.[MPa]	R_m [MPa]	A tip. [%]	KV [J] at a temperature of -20°C	KV min. [J] a -20°C	[HBW]
Steel quality						
perdur [®] 400	1.100	1.300	12	45	27	370 - 430
perdur [®] 450	1.200	1.450	10	40	27	420 - 480

Supply condition: with thermo-mechanical lamination and accelerated cooling

Contact our specialists

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