

Product Program v0.9

Produktprogram v0.9

GOREX 400 / 450 / 500

One finished wear-parts family. Three controlled classes tied to documented source steel.

PRE-COMMERCIAL / FÖRKOMMERSIELL

Control and limitations

Styrning och begränsningar

SV

Detta dokument är förkommersiell kontrollerad information, inte kontrakt, ordererkännande, kontrollintyg, provresultat eller tekniskt godkännande. Slutliga krav uppstår endast genom signerad offert, order, tillämplig specifikation och leveransspecifika dokument.

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This document is pre-commercial controlled information, not a contract, order acknowledgement, inspection document, test result or engineering approval. Final requirements arise only through the signed quotation, order, applicable specification and shipment-specific documents.

Source basis / Källgrund: live controlled GOREX registries; GB/T 24186-2022 NM source-material framework; pre-commercial GOREX finished-part qualification and traceability requirements.

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Claim-state legend

Teckenförklaring för påståendestatus

SPECIFIED / SPECIFICERATcontrolled requirement /
kontrollerat krav**INDICATIVE / VÄGLEDANDE**non-guaranteed guidance /
icke-garanterad vägledning**ORDER RESULT /****ORDERRESULTAT**measured shipment value /
uppmätt leveransvärde**SV**

Varje värde ska läsas tillsammans med status, omfattning, enhet, källgrund och revision.

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Every value must be read with its state, scope, unit, source basis and revision.

Three-grade comparison

Jämförelse av tre klasser

FINISHED-PART CLASSES AND SOURCE-MATERIAL FRAMEWORKS - FINAL DIMENSIONS REMAIN ORDER-SPECIFIC

GOREX CLASS	SOURCE MATERIAL	NOMINAL	SURFACE HARDNESS / YTHÅRDHET	CENTRE / CENTRUM	THICKNESS FRAMEWORK
GOREX 400	NM400E	400 HBW	370-430 HBW <=80 mm; 360-440 HBW <=120 mm	330-430 HBW	up to 120 mm specification scope
GOREX 450	NM450E	450 HBW	420-480 HBW <=80 mm; 410-480 HBW <=120 mm	375-480 HBW	up to 120 mm specification scope
GOREX 500	NM500E	500 HBW	470-540 HBW <=70 mm; 450-540 HBW <=100 mm	420-540 HBW	up to 100 mm specification scope

There is no universal best class. Selection must consider abrasion, impact, geometry, processing and maintenance strategy.

Impact framework

Slagseghetsramverk

COMPLETE E-GRADE IMPACT BREAKPOINTS FROM THE LIVE GRADE REGISTRY

GRADE / KLASS	THICKNESS / TJOCKLEK	KV2 MINIMUM	STATE / STATUS
GOREX 400	≤80 mm	24 J at -40 C	Specified / Specificerat
GOREX 400	>80–120 mm	21 J at -40 C	Specified / Specificerat
GOREX 450	≤80 mm	24 J at -40 C	Specified / Specificerat
GOREX 450	>80–120 mm	21 J at -40 C	Specified / Specificerat
GOREX 500	≤60 mm	21 J at -40 C	Specified / Specificerat
GOREX 500	>60–100 mm	18 J at -40 C	Specified / Specificerat

Impact requirements apply at -40 C within the stated thickness bands. Final ordered scope remains controlled by the signed order.

CEV framework

CEV-ramverk

COMPLETE CEV BREAKPOINTS FROM THE LIVE GRADE REGISTRY

GRADE / KLASS	THICKNESS / TJOCKLEK	CEV MAXIMUM	STATE / STATUS
GOREX 400	≤50 mm	0.57% max	Specified / Specificerat
GOREX 400	>50–120 mm	0.67% max	Specified / Specificerat
GOREX 450	≤50 mm	0.59% max	Specified / Specificerat
GOREX 450	>50–120 mm	0.74% max	Specified / Specificerat
GOREX 500	≤50 mm	0.64% max	Specified / Specificerat
GOREX 500	>50–100 mm	0.77% max	Specified / Specificerat

Use actual inspection-document chemistry for shipment-specific CEV, CET and Pcm assessment.

Selection questions

Urvalsfrågor

INDICATIVE / VÄGLEDANDE

What are the wear mechanisms and impact severity?

INDICATIVE / VÄGLEDANDE

Which bends, welds, cuts, holes and repairs are required?

INDICATIVE / VÄGLEDANDE

How will wear be inspected and parts replaced?

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Klassval dokumenteras som en applikationsbedömning. Ingen klass rekommenderas universellt.

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Grade selection is recorded as an application assessment. No class is universally recommended.

Source framework and GOREX control route

Källramverk och GOREX-kontrollväg

BASE

NM source-material framework

Exact NM400E, NM450E or NM500E designation applies only when contracted and documented.

OVERLAY

Centre-hardness control

Optional in the base framework; mandatory in the qualification overlay.

DELIVERY

Q or Q+T

As-hot-rolled material is not accepted. No weld repair on plate.

DOCUMENT

Original mill EN 10204 3.1

Required for every released shipment.

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De första tre frisläppta leveranspartierna har verklig EN 10204 3.2 som kvalificeringsmål endast när nödvändig oberoende eller behörig validering faktiskt arrangeras.

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The first three released shipment lots target true EN 10204 3.2 only when the required independent or authorised validation is actually arranged.

Inspection, processing and quotation

Kontroll, bearbetning och offert

REQUEST	TECH REVIEW	QUOTE	ORDER	RELEASE
SV		EN		
• Bekräfta klass, dimension, kvantitet, bearbetning, provning och leveransplats. • Använd verklig kontrollintygskemi för svetsning och termisk process. • Spåra heat, plåt, prov, dokument och leverans. • Tillgänglighet, ursprung, verk och ledtid är orderspecifika.		• Confirm grade, dimensions, quantity, processing, testing and delivery location. • Use actual inspection-document chemistry for welding and thermal processing. • Trace heat, plate, sample, document and delivery. • Availability, origin, mill and lead time are order-specific.		

Source basis / Källgrund: live grade registry and controlled delivery overlay. **Contact:** craig@craiggore.net