

GOREX 400 Product Dossier

GOREX 400 produktdossier

400 FINISHED WEAR-PART CLASS

A starting point where impact, complex geometry, repair and workshop processing carry material weight alongside abrasion resistance.

Source-material framework: NM400E

REVISION 0.9

Selection posture and limitations

Urvalsposition 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.

EN

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.

Contact / Kontakt: craig@craig gore.net

SV

Balanserad nötningsbeständighet och slagtålighet med bred bearbetningsmarginal. Det slutliga valet är alltid applikationsspecifikt.

EN

Balanced abrasion resistance and impact tolerance with broad fabrication margin. Final selection always remains application-specific.

GOREX 400 identifies the released finished component. NM400E is the source-material framework where contracted; the actual mill, material grade, dimensions, tests and inspection document are confirmed for the order.

Hardness requirements

Hårdhetskrav

SURFACE HARDNESS BANDS FROM THE LIVE GRADE REGISTRY

THICKNESS / TJOCKLEK	SURFACE HARDNESS / YTHÅRDHET	STATE / STATUS
<= 80 mm	370-430 HBW	Specified / Specificerat
> 80-120 mm	360-440 HBW	Specified / Specificerat

CENTRE HARDNESS - OPTIONAL IN THE BASE FRAMEWORK BUT MANDATORY IN THE GOREX QUALIFICATION OVERLAY

LOCATION / LÄGE	RANGE / INTERVALL	FRAMEWORK
Centre / Centrum	330-430 HBW	Mandatory GOREX finished-part qualification overlay

Source-material framework: NM400E. Specification thickness scope extends to 120 mm. Actual dimensions and availability are confirmed in quotation.

Impact, CEV and conditional tensile

Slag, CEV och villkorat dragprov

E-GRADE IMPACT FRAMEWORK

THICKNESS	KV2 MINIMUM	TEMPERATURE	STATE
<= 80 mm	24 J	-40 C	Specified / Specificerat
> 80-120 mm	21 J	-40 C	Specified / Specificerat

CEV FRAMEWORK

THICKNESS	CEV MAXIMUM	STATE
<= 50 mm	0.57% max	Specified / Specificerat
> 50-120 mm	0.67% max	Specified / Specificerat

CONDITIONAL TENSILE VALUES

PROPERTY	VALUE	STATE / QUALIFIER
Rm	1200 MPa	Indicative / Vägledande - only when agreed in the order
A50	10%	Indicative / Vägledande - only when agreed in the order

The base framework has no yield-strength minimum. No yield value may be inferred.

Delivery, processing and order confirmation

Leverans, bearbetning och orderbekräftelse

SV

- Leveranstillstånd Q eller Q+T; ingen svetsreparation av plåt.
- Originalverkets EN 10204 3.1-kontrollintyg för varje frisläppt leverans.
- Använd verklig kemi från kontrollintyget för CEV/CET/Pcm-bedömning och WPS.
- Bekräfta dimension, tolerans, slagprovning, UT, bearbetning, ursprung, verk och leveranstid i ordern.
- Spåra heat, plåt, prov, kontrollintyg och leverans.

EN

- Delivery condition Q or Q+T; no weld repair on plate.
- Original mill EN 10204 3.1 inspection document for every released shipment.
- Use actual inspection-document chemistry for CEV/CET/Pcm assessment and WPS.
- Confirm dimensions, tolerances, impact testing, UT, processing, origin, mill and lead time in the order.
- Trace heat, plate, sample, inspection document and delivery.

Source basis / Källgrund: GB/T 24186-2022 NM400E framework plus GOREX finished-part qualification and traceability requirements. **Contact:** craig@craig gore.net