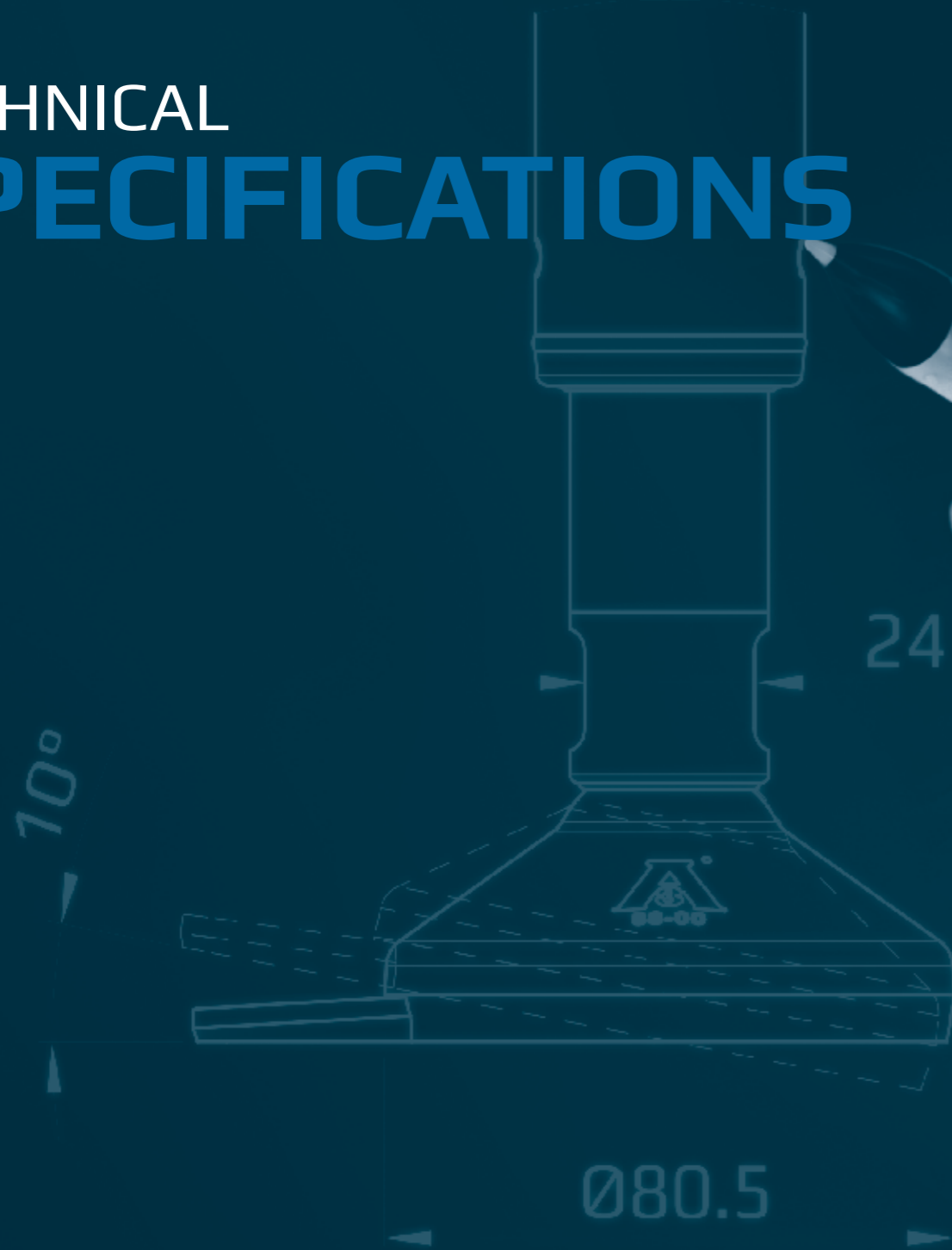


TECHNICAL SPECIFICATIONS



TECHNICAL MATERIAL DESCRIPTION

Application: Spindle, sleeve and foot cover

Material type: Stainless steel, SISI 304/A2 (X5CrNi18-10), Euronorm 1.4301. By request: Stainless steel, AISI 316/A4 (X 5 CrNiMo 17 12 2). Euronorm 1.4401.

Compliance: EN 10204 Type 2.2. NGI a/s states that the product is in compliance with the order with indication of results of non-specific inspection. NGI has EN 10204 type 3.1 inspection CERTIFIEDs on all material used in the products but not specified for each foot.



Application: Sealing ring between steel components

Material type: Silicon rubber

Hardness: 60 Shore A

Color: RAL 5010 (blue)

Range of temperature: Min. -60 °C to max. +200 °C

Storage: According to ISO 2230

Compliance: FDA: Guideline 21 CFR 177.2600
RoHS 2: In accordance with the Directive 2011/65/EC OF EUROPEAN PARLIAMENT AND OF THE COUNCIL
GMP: Good Manufacturing Process in accordance with 2023/2006 EC



Application: Sealing

Material type: NBR

Color: Black

Hardness: 72 +/- 3 Shore A DIN 53 505

Range of temperatures: Min. -35 °C to max. +110 °C

Compliance with: REACH, RoHS & RoHS 2, ADI free, EC 1005/2009, EC 2037/2000, 2023/2006 EC, No Phthalates, FDA approved.



Application: Vulcanized rubber

Material type: NBR

Color: Black

Hardness: 72 +/- 3 Shore A DIN 53 505

Range of temperatures: Min. -35 °C to max. +110 °C

Compliance with: REACH, RoHS & RoHS 2, ADI free, EC 1005/2009, EC 2037/2000, 2023/2006 EC, No Phthalates, FDA approved.



Application: Plastic lid

Material type: PPC

Electrically: Non-conductive

Chemical resistance: High to commonly applied cleaning agents

Color: Black

Hardness: Rockwell R 85

Range of temperature: Min. -20 °C to max. +90 °C

Load: High load capacity



Application: Foot base for NGI plastic feet

Material type: PA 6

Electrically: Non-conductive

IP Code IP69K

Chemical resistance: High to commonly applied cleaning agents

Color: Black

Flammability: V2

Range of temperature: Min. -20 °C to max. +110 °C

Max. temperature: High thermal resistance for short duration: +150 °C

Compliance with: REACH 2037/2000, 2023/2006 EC, No Phthalates, FDA approved



Application: Anti slip 2K bounded

Material type: TPE

Electrically: Non-conductive

Chemical resistance: High to commonly applied cleaning agents

Color: Black

Hardness: Shore A 90 +/- 5

Range of temperature: Min. -50 °C to max. +125 °C

Load: High load capacity



Application: Anti slip

Material type: EPDM/NBR

Electrically: Non-conductive

Chemical resistance: High to commonly applied cleaning agents

Color: Black

Hardness: Shore A 80 +/- 5

Range of temperature: Min. -20 °C to max. +110 °C

Load: Low load capacity



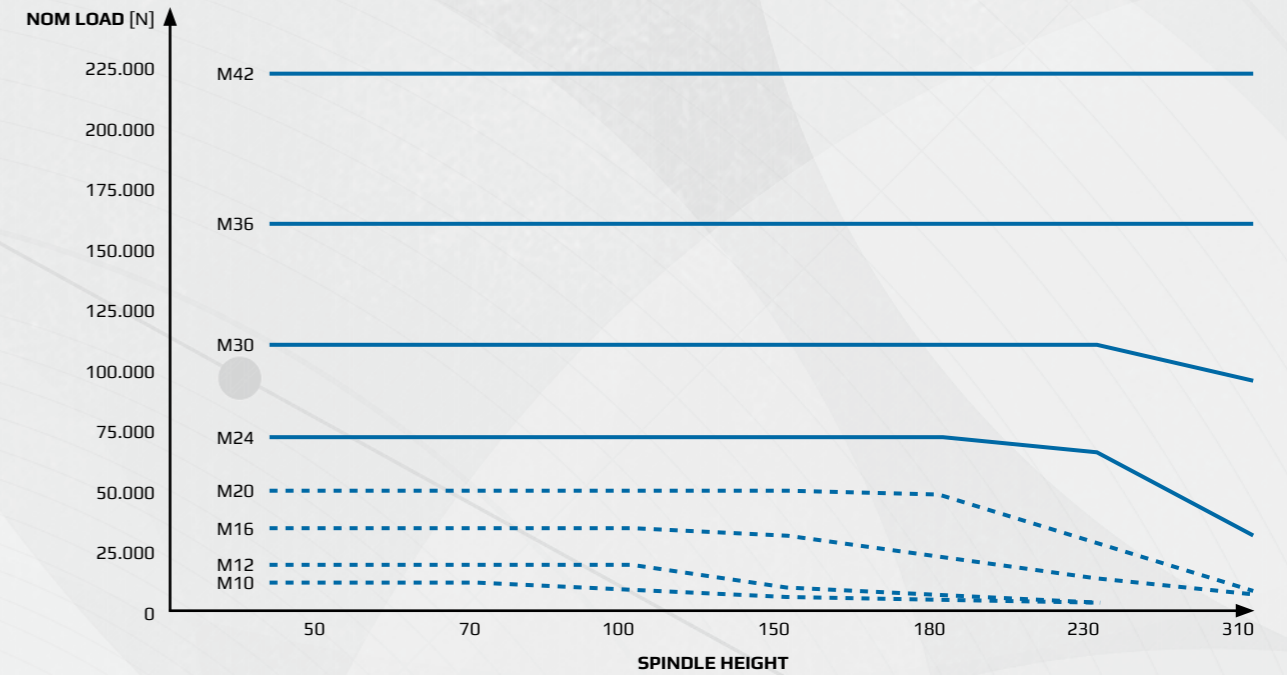
TECHNICAL SPECIFICATIONS FOOTPLATE LOAD INFORMATION

The nominal load specifications below are for the footplates only.
Maximum nominal load = lowest value for footplate or spindle.

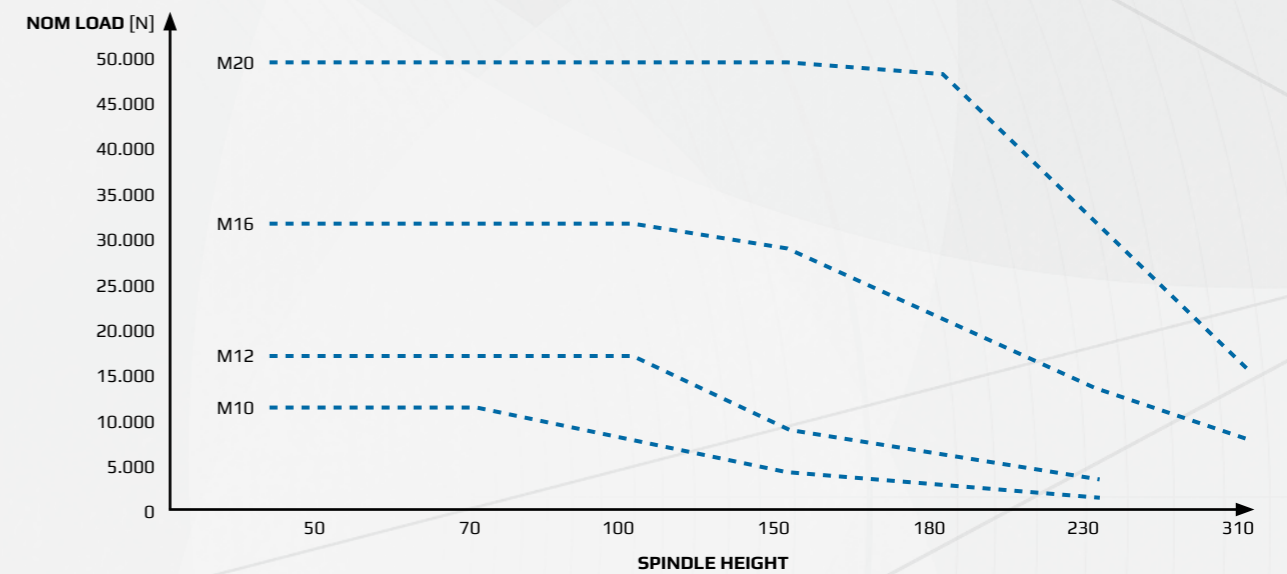
3A, USDA & EHEDG FOOTPLATE TYPE	HYGIENIC FOOTPLATE TYPE	FULLY- THREADED FOOTPLATE TYPE	SOLID FULLY-THREADED FOOTPLATE TYPE	PLASTIC FULLY-THREADED FOOTPLATE TYPE	NOMINAL LOAD UP TO [N]
XHS065, XHS066, XHS080, XHS081, XHTS65, XHTS066, XHTS080, XHTS081, XHF065, XHF066, XHF080, XHF081	M040, M050, M075, M076, M077, M105, M106, H060, H061, H080, H081, H082, HT060, HT080	M040, M050, M075, M076, M077, M105, M106, H060, H061, H080, H081, H082, HT060, HT080, K075, HX065, HX066, HX080, HX081, HXT080	HPA040, HPA040AS, HPA050, HPA050AS, HPA060, HPA060AS, HPA080, HPA080AS, HPA081, HPA081AS, HPA100, HPA100AS, HPA101, HPA101AS, HPO60, HPO80, HPG060, HPG080, HPR08		20.000
XHS105, XHS106, XHS125, XHTS105, XHTS106	H100, H101, H120, H140, HT100, HT120, HT140, M100, M125, M150, H120, H140, HG060AS, HG070AS, HG090AS, HG110AS, HG150AS, HGT090AS, HGT110AS, HJT090AS, HJT110AS, HJ080AS, HJ090AS, HJ110AS, HJ150AS,	HT100, HT120, HT140, K100, K125, HX105, HX106, HX125, M100, M125, M150, H120, H140	CF110AS, CF180AS, G090AS, G110AS, G150AS, G180AS, G200AS, HG060AS, HG070AS, HG090AS, HG110AS, HG150AS, HGT090AS, HGT110AS, HJ080AS, HJ090AS, HJ110AS, HJ150AS, J090AS, J110AS, J150AS, J180AS, KCF110AS, KG090AS, KG110AS, KG150AS, KG180AS, KJ090AS, KJ110AS, KJ150AS, KJ180AS, KT090AS, KT110AS, KT130AS, KT150AS, KT180	HP100, HP120, HPG100, HPG120, HPR100, HPR120, HPA125, HPA125AS	60.000
XHS150, XHTS150, XHGS105, XHGS125, XHGS150, XHGT5105, XHGT5125, XHGT5150, XHJS105, XHJS125, XHJS150, XHJTS105, XHJTS125, XHJTS150	HG060, HG070, HG090, HG110, HG150, HJ080, HJ090, HJ110, HJ150	HX150	CF110, G090, G110, G150, J090, J110, J150, KG090, KG110, KJ090, KJ110, HG060, HG070, HG090, HG110, HG150, HJ080, HJ090, HJ110, HJ150, KCF110, HXG105, HXG105AS, HXG125, HXG125AS, HXGT105, HXGT105AS, HXGT125, HXGT125AS, HXJ105, HXJ105AS, HXJ125, HXJ125AS, HXJT105, HXJT105AS, HXJT125, HXJT125AS		120.000
			CF180, G180, J180, KG150, KG180, KJ150, KJ180, KT090, KT110, KT130,		180.000
			KT150, KT180		240.000
	HGT090, HGT110, HJT090, HJT110		HGT090, HGT110, HJT090, HJT110		300.000

TECHNICAL SPECIFICATIONS SPINDLE LOAD INFORMATION

NOM LOADS - ALL SPINDLES
M10 - M42



NOM LOADS - SMALL SPINDLES
M10 - M20



TECHNICAL SPECIFICATIONS SELECTING A LEVELLING FOOT

When selecting the levelling foot we recommend to follow the below factors.

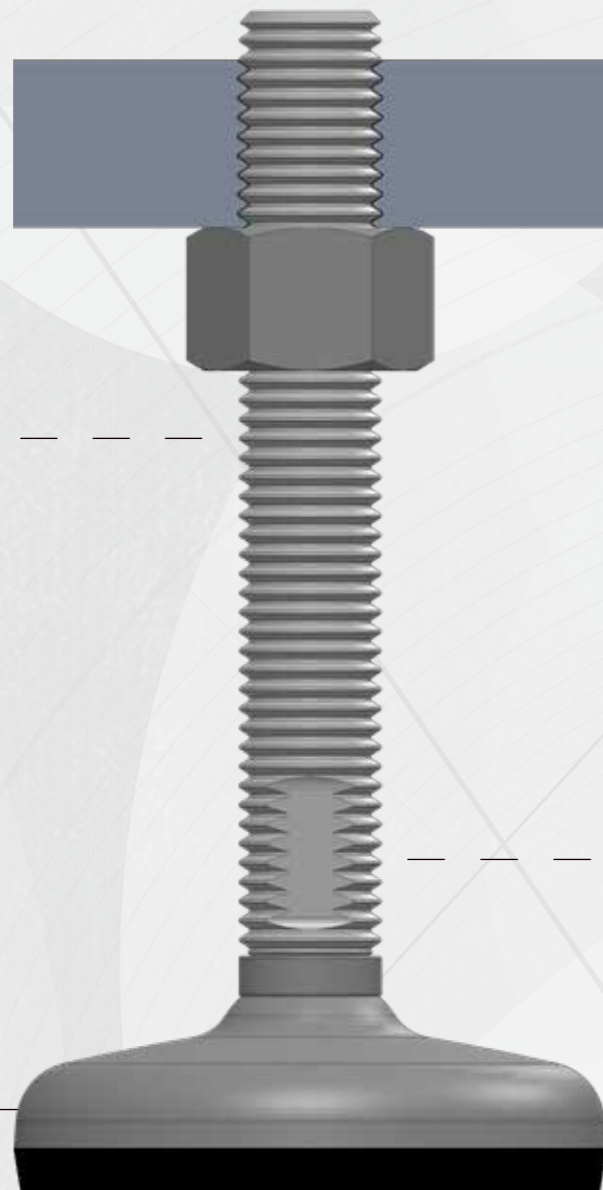
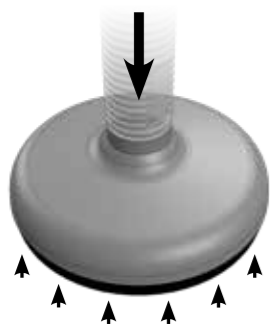
Spindle destabilisation

The spindle must have the right diameter in relation to the length to avoid destabilisation.



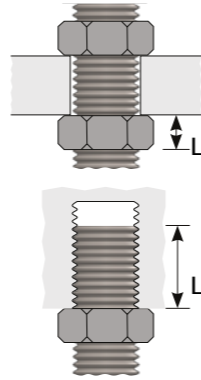
Load combination

Maximum nominal load = lowest value for footplate or spindle.



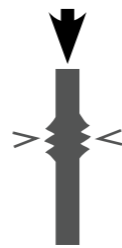
Thread engagement

The thread length of engagement (L) must be selected according to the load on the levelling foot.



Spindle yield

The spindle diameter must be selected according to the load on the levelling foot to avoid spindle yield.



TECHNICAL SPECIFICATIONS LEVELLING OF MACHINERY

For optimal levelling of the machinery we recommend to follow the below guidelines.

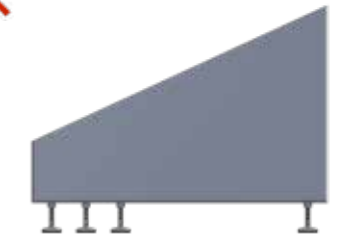
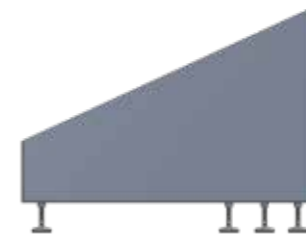
Horizontal levelling

The machinery must be horizontally levelled.



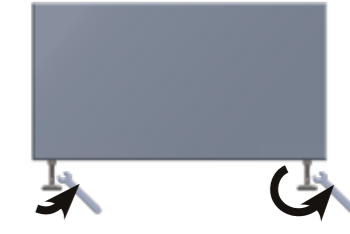
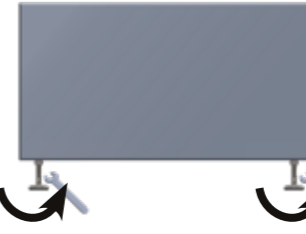
Even load

If the machinery has an uneven weight distribution, the feet should be placed according to the distribution of weight.



Load distribution

To avoid overload of the machinery the levelling feet should be adjusted with the same torque.



Sloping floor

For correct installation the maximum slope of the floor must not exceed the specifications of the levelling foot.



UV LIGHTING USED TO EXPOSE BACTERIA

- THE CERTIFIED HYGIENIC LEVELLING FOOT IS CLEAN
- THE SPINDLE OR THE FULLY-THREADED LEVELLING FOOT IS INFECTED WITH BACTERIA
- FULLY-THREADED VS HYGIENIC - IT TAKES 28% MORE RESSOURCES TO REACH THE SAME LEVEL OF CLEANABILITY ON A FULLY-THREADED FOOT
- RESSOURCES COULD BE TIME, WATER, MONEY, DETERGENTS, ETC.

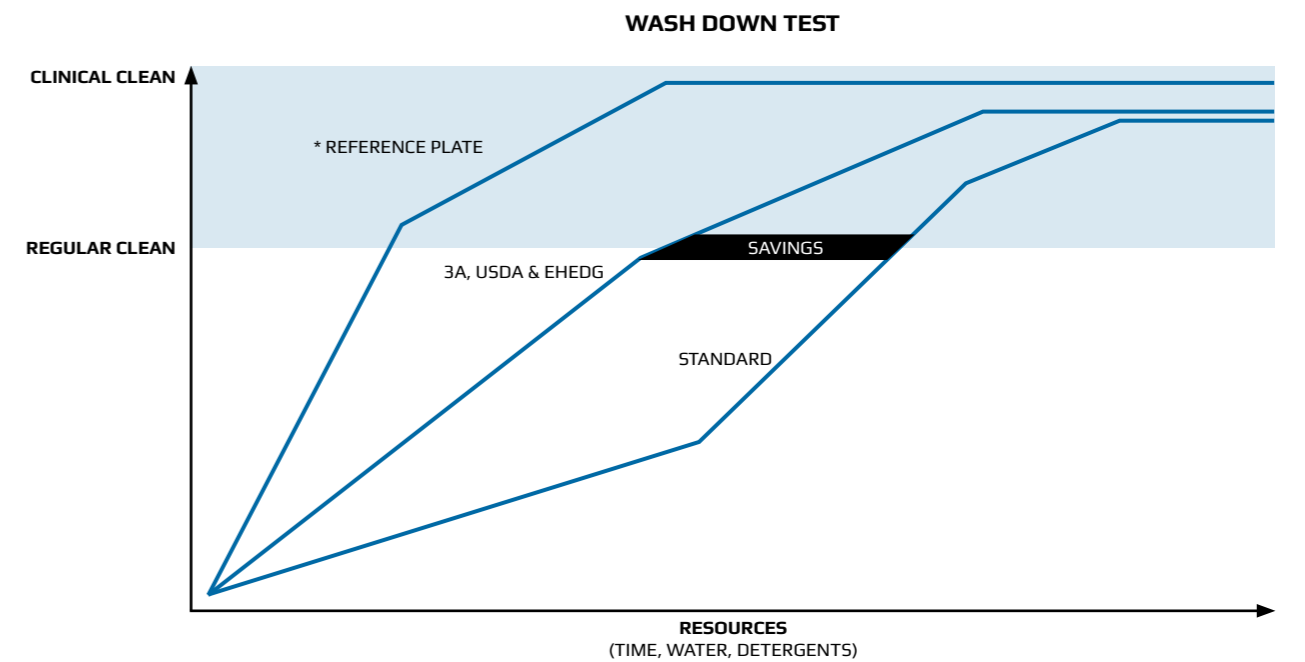
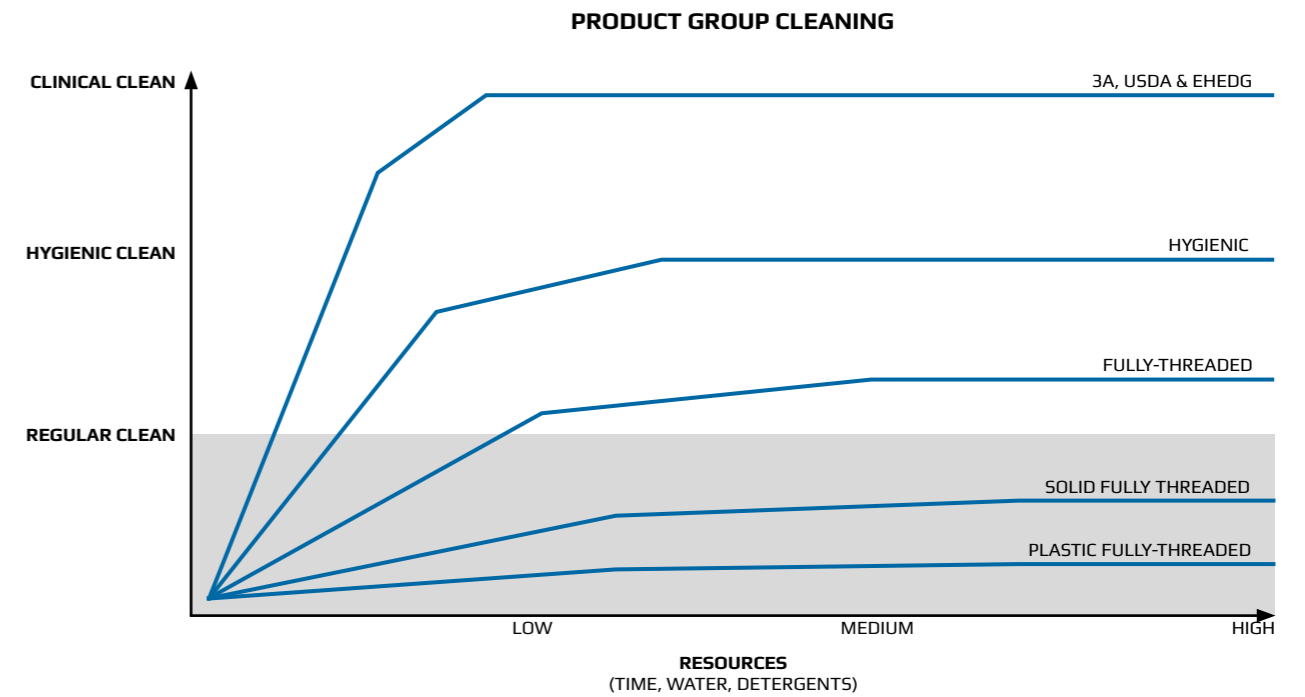
ESTIMATED SAVINGS
28%



TECHNICAL SPECIFICATIONS CLEANING INSTRUCTIONS

The resources required to clean NGI's levelling feet depends largely on the design of the levelling foot and the environment in which the levelling foot is used.

It is possible to use all known detergents to clean the levelling feet as long as the instructions provided by the supplier is complied with.



* Reference plate = Stainless steel plate with surface less than Ra 0,8

TECHNICAL SPECIFICATIONS TERMS OF SALES & DELIVERY

1.0 Scope of application of terms and conditions of sale

1.1 These terms and conditions of sale apply to all NGI A/S ("NGI") offers, sales and deliveries of products to the buyer (the Buyer") unless otherwise accepted by NGI in writing.

1.2 NGI and the Buyer have not entered into a final and binding agreement of sale until NGI has issued a written order confirmation, which shall constitute such final and binding agreement.

2.0 Delivery terms

2.1 Products are delivered EX WORKS/ab fabrik from NGI's place of business (Virkelyst 5, 9400 Nørresundby, Denmark). Products are delivered in NGI's standard packaging.

2.2 If NGI and the Buyer have agreed that NGI shall arrange for transport of the products to the Buyer, NGI will stipulate the expected date of delivery in the applicable order confirmation. Any such transport will be at the cost and risk of the Buyer unless otherwise explicitly agreed by the parties in writing.

2.3 Delivery dates are best estimates only. NGI shall not be liable for delays.

3.0 Terms of payment

3.1 NGI offers the Buyer the number of days of credit specified in the relevant invoice. However, NGI may demand prepayment at any time if NGI considers this to be relevant.

3.2 If payment is not made before or on the due date specified in the relevant invoice, NGI is entitled to charge interest on the due amount from the due date at a rate of 2% per commenced month.

3.3 NGI reserves title in the products until the products have been paid for in full.

4.0 Defects and liability

4.1 NGI is obliged to, at its choice, repair or replace defective products on the terms set out in clauses 4.2 - 4.9 below.

4.2 The buyer shall complain in writing to NGI of a defect immediately after such defect has been or should have been discovered and in any event within one year from delivery. The complaint shall describe the alleged defect in reasonable detail. If the Buyer does not complain in accordance with the aforesaid, the Buyer will lose his right to raise claims against NGI for products being defective. If a product has been used more intensively than agreed or assumed, the complaints period shall be reduced proportionally.

4.3 Repair or replacement of products or parts does not extend the maximum complaints period of one year in clause 4.2.

4.4 If NGI decides to repair a defective product, repair shall take place on site. If NGI decides to replace a defective product, replacement will be effected by NGI sending a non-defective product to the Buyer. Repair or replacement shall be effected by NGI within reasonable time after NGI receives a complaint in accordance with clause 4.2, and in any event with 4 weeks from receipt of such complaint.

4.5 NGI may demand that (alleged) defective products are returned to NGI at the Buyer's risk and cost. Returned products shall become NGI's property if replaced. If the Buyer complains about a product that NGI subsequently establishes not be defective, NGI may claim compensation for its time, work, costs etc. in accordance with its terms, rates and prices applicable from time to time.

4.6 If NGI does not fulfill its obligations under clause 4.4, the Buyer shall have the right to return the defective product to NGI, at the Buyer's cost and risk, for a full refund of the purchase price.

4.7 NGI shall not be responsible for defects caused by material which is provided by the Buyer, for constructions or specification which are prescribed or specified by the Buyer, for inadequate maintenance, for changes to the delivered products made without NGI's prior written consent, for inappropriate repairs or incorrect use of the products, or for faulty preparatory work by the Buyer. NGI's liability only includes defects which appear under working conditions presumed by NGI. Normal wear and tear and depreciation shall not be considered a defect.

TECHNICAL SPECIFICATIONS TERMS OF SALES & DELIVERY

4.8 NGI's liability under this Agreement shall be limited to the invoice value of the defective product, that gave rise to claim. Further, NGI shall not be liable for indirect loss, including loss of operation, lost earnings and other consequential loss. The limitation of NGI's liability shall not apply if NGI acted grossly negligently or intentionally.

4.9 NGI shall be liable only to the extent set out above in this clause 4. The rights and remedies of the Buyer set out in this clause 4 are exhaustive and exclude all other remedies and claims under law or otherwise.

5.0 Product Liability

5.1 NGI shall be responsible for product liability claims only to the extent required under mandatory product liability law. NGI shall not be liable for damage to commercial property. Further, NGI shall not be liable for indirect loss, including loss of operation, lost earnings and other consequential loss.

If a third party raises a claim against the Buyer for product liability, the Buyer shall immediately notify NGI in writing.

6.0 Choice of law and venue

6.1 Any disputes between the Parties arising from or in connection with NGI's sales of products to the Buyer shall be governed by substantive Danish law (and the CISG shall not be applicable), and disputes shall be brought before The Maritime and Commercial Court (Sø- og Handelsretten) in Copenhagen, Denmark. If this court declares that it is not competent, disputes shall be brought before the Copenhagen City Court (Københavns Byret) in Copenhagen, Denmark.

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