THE ALTERNATIVE TO STAINLESS STEEL



Overview of advantages	Paint	Stainless steel	nsd tupH
No flaking		++	++
Corrosion resistant	+	++	++
Costs	+		0
Weight	++	_	++
Available products	+	_	+
Heat conduction	+	_	+

- ++ very advantageous, + advantageous, o neutral,
- disadvantageous, very disadvantageous

Available NORD products with ☐☐☐☐

NORDBLOC.1® helical gear unit



*up to size 6 or 7 (depending on version)

UNIVERSAL SI and SMI worm gear unit



NORDBLOC.1® parallel shaft gear units



nsdtupH@nord.com

NORDBLOC.1® 2-stage bevel gear unit



Smooth surface motor



Motor starter NORDAC START SK 135E Frequency inverter NORDAC BASE SK 180E



NORD DRIVESYSTEMS Group

Headquarters and technology centre

in Bargteheide, near Hamburg

Innovative drive solutions

for more than 100 branches of industry

Mechanical products

Parallel shaft, helical, bevel and worm gear units

Electrical products

IE2/IE3/IE4 motors

Electronic products

Centralised and decentralised frequency inverters and motor starters

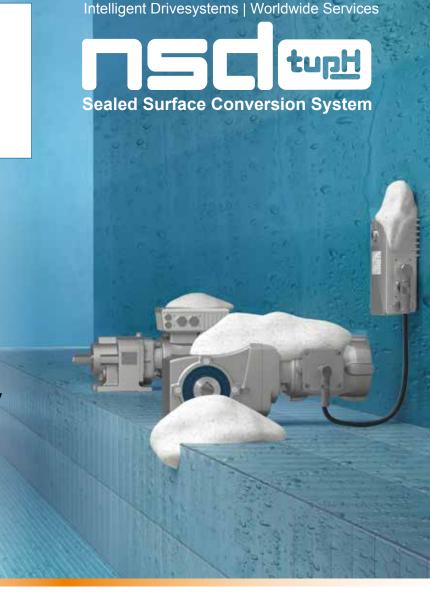
7 production locations with cutting edge technology for all drive components

Subsidiaries and sales partners in 98 countries on 5 continents

provide local stocks, assembly centres, technical support and customer service

More than 3,600 employees throughout the world create customised solutions.

www.nord.com/locator



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Member of the NORD DRIVESYSTEMS Group



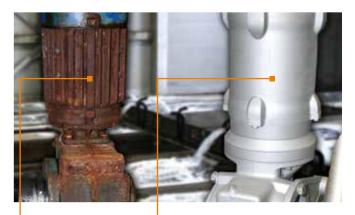
CORROSION PROTECTION FOR EXTREME CONDITIONS



THE SOLUTION FOR

EXTREME CONDITIONS





Painted geared motor after 12 months of use

nsd tupH geared motor after 12 months of use in a shellfish processing system in a salty environment

- Ideal for extreme conditions

- Food and beverage industry
- Dairies
- Pharmaceutical industry
- Waterworks and water treatment plants
- Car washes
- Marine and coastal areas
- Chemical cleaning (wash-down, large pH range)

NORD DRIVESYSTEMS provides solutions for extreme conditions.

- **¬□□** surface-treated housing components
- Conforms to FDA Title 21 CFR 175.300
- Accessories in rust-proof stainless steel
- Wash-down housing (gear unit, motor, inverter)
- Stainless steel shafts
- Special shaft sealing rings
- Food-compatible oil

Aluminium with □=□ surface



To simulate realistic environmental conditions, the test sample should not be continuously immersed in chemicals and cleaning agents. Instead, the sample should be subjected to an examination procedure which includes the recommended time and application of the cleaning agent with appropriate rinsing. This cycle can be repeated in rapid succession (several times/day) in order to speed up the testing.

TIP: Expose the test sample to the actual operating conditions of your drives

Please visit our NORD "YouTube" channel for more information!





Substances tested by NORD DRIVESYSTEMS

Substance	Alternative name	Conc. (max)*		
Acetic acid	Vinegar	30.0%		
Alcohol, ethoxylated	Non-ionic tensides	5.0%		
Hydrogen peroxide		6.9%		
Methane sulfonic acid		5.0%		
Carbonic acid	Caprylic acid	3.3%		
Peracetic acid	Peroxyacetic acid	4.4%		
Phosphoric acid		27.0%		
Secondary alcane sulfonates	Wetting agent	5.0%		
Sodium hydroxide	Caustic soda, lye, sodium hydroxide	15.0%		
Sodium hypochlorite	Bleach, Soda chloride	3.0%		

*maximum test concentration

Does your application utilize chemicals not shown on this chart? If so, please contact us via nsdtupH@nord.com or by telephone (back page). Additional chemicals may have already been tested.

NORD DRIVESYSTEMS nsd tupH NORD DRIVESYSTEMS nsd tupH