

THE ALTERNATIVE
TO STAINLESS STEEL



nsd **tupH**

Sealed Surface Conversion System

Products treated with **nsd** are ideal for extreme ambient conditions and demanding requirements.

- Easy to clean surfaces
- Resistant to acids and alkalis (entire pH range)
- No infiltration of corrosion, even if damaged
- Cannot flake
- Corrosion-resistant and prevents contact corrosion
- Alternative to stainless steel
- Complies with FDA Title 21 CFR 175.300
- Free from chromates



NORD smooth surface motor with nsd tupH

nsd tupH CORROSION PROTECTION

NORD DRIVESYSTEMS Group

Headquarters and Technology Centre
in Bargteheide near Hamburg

Innovative drive solutions

For more than 100 industrial sectors

Mechanical products

Parallel. helical. Bevel and worm gear drives

Electrical products

IE2/IE3/IE4 motors

Electronic products

Centralised and decentralised frequency inverters.
motor starters

7 production locations with cutting edge technology

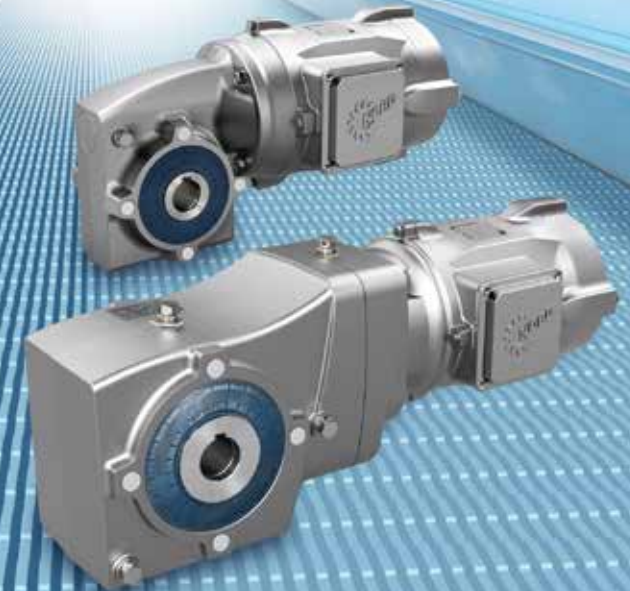
For all drive components

Subsidiaries in 36 countries on 5 continents

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

More than 3.200 employees
throughout the world
create customised solutions.

THE ALTERNATIVE TO STAINLESS STEEL



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Member of the NORD DRIVESYSTEMS Group



F5000 Part No. 6023020816



NORD DRIVESYSTEMS
WITH **nsd** **tupH**
CORROSION PROTECTION





The complete solution for extreme conditions

- nsd tupH surface-treated housing components
- DIN and standard components made from stainless steel
- Washdown housing (gear unit and motor)
- Stainless steel shafts
- Special shaft sealing rings
- Food Grade Oil

Tests performed on surface-treated aluminium housing components:

- ASTM D714 Blistering
- ASTM D610-08 Corrosion
- ASTM D1654-08 Scratches
- ASTM B117-09 Salt spray test
- ASTM D3170 Gravelometer Test
- DIN EN ISO 9227 Salt mist spray test
- DIN EN ISO 2409 Cross cut test

On Stock, available within 24h* / Options: Torque (D) arm, Cover (H)

Motor	Power	Gear unit type	Diameter Output Shaft					
80 LH/4	0,37 kW	SK1SMI50AZ-IEC80	25H7	Output Speed in r/min	70	47	35	23
				Ratio	20	30	40	60
		SK1SMI63AZ-IEC80	30H7	Output Speed in r/min	70	47	35	23
				Ratio	20	30	40	60
90 SH/4	0,55 kW	SK1SMI63AZ-IEC90	30H7	Output Speed in r/min	70	47	35	23
				Ratio	20	30	40	60
		SK1SMI75AZ-IEC90	35H7	Output Speed in r/min	70	47	35	23
				Ratio	20	30	40	60
		SK93372.1AB-IEC90	30H7	Output Speed in r/min	56			
				Ratio	25,06			
		SK93372.1AB-IEC90	35H7	Output Speed in r/min	56			
				Ratio	25,06			
100 SH/4	0,75 kW	SK1SMI75AZ-IEC100	35H7	Output Speed in r/min	70	47	35	23
				Ratio	20	30	40	60
100 LH/4	1,1 kW	SK1SMI75AZ-IEC100	35H7	Output Speed in r/min	70	47	35	23
				Ratio	20	30	40	60

* for other ratios and output speeds please contact us

Optimal for use in extreme ambient conditions thanks to smooth motors and nsd^{tupH}

APPLICATION	Easy to clean	Resistant to chemicals	Damp environments	Permanently aggressive or corrosive	No transport of bacteria	Quiet running	Low weight
Offshore / coastal areas			✓ nsd ^{tupH}	✓ nsd ^{tupH}		No fan	
Beverage / food industry	✓	✓ nsd ^{tupH}	✓ nsd ^{tupH}		✓		✓
Dairies	✓	✓ nsd ^{tupH}	✓ nsd ^{tupH}		✓		✓
Pharmaceuticals	✓	✓ nsd ^{tupH}	✓ nsd ^{tupH}			✓	✓
Water / sewage plants	✓	✓ nsd ^{tupH}	✓ nsd ^{tupH}	✓ nsd ^{tupH}			✓
Car wash	✓	✓ nsd ^{tupH}	✓ nsd ^{tupH}	✓ nsd ^{tupH}			
Chemicals	✓	✓ nsd ^{tupH}	✓ nsd ^{tupH}	✓ nsd ^{tupH}			✓