Sealed Surface Conversion System

Products treated with nsd tupH 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 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.
NORD DRIVESYSTEMS
WITH SMOOTH SURFACES

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)

<table>
<thead>
<tr>
<th>Motor</th>
<th>Power</th>
<th>Gear unit type</th>
<th>Diameter Output Shaft</th>
<th>Output Speed in r/min</th>
<th>Ratio</th>
<th>Output Speed in r/min</th>
<th>Ratio</th>
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<tbody>
<tr>
<td>80 LH/4</td>
<td>0.37 kW</td>
<td>SK1SMI50AZ-IEC80</td>
<td>25H7</td>
<td>70</td>
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Optimal for use in extreme ambient conditions thanks to smooth motors and nsd

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>Easy to clean</th>
<th>Resistant to chemicals</th>
<th>Damp environments</th>
<th>Permanently aggressive or corrosive</th>
<th>No transport of bacteria</th>
<th>Quiet running</th>
<th>Low weight</th>
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<tbody>
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<td>Offshore / coastal areas</td>
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* for other ratios and output speeds please contact us