Your application: Handling technology, mixers, agitators

Our solution: Compact drive assembly group with "motor base" design

Drive requirements
• Compact construction
• Standards used for gearbox and motor
• Fast commissioning
• Servicing and maintenance are easy
• Scalable performance features for gearbox and motor
• Flexibility for customer-specific stipulations and usage requirements (e.g., ATEX)

Features of the S4 motor base product design
• Compact total unit based on a standard gearbox motor with free drive shaft and standard IEC motor
• Broad range of geared motors with helical, helical-bevel and parallel shaft gear drive designs
• Scalable product design with diverse gearbox and/or motor options
• Individual configuration of mechanical performance features, e.g., for a total unit made up of gearbox, motor, pulleys, belts, belt guard, and preset tension belt (maximum design)
• Construction suited for good usability, e.g., due to central belt adjustment and alignment
• Certified as a complete mechatronics solution for ATEX Class II, Category 2 and 3 (Gas Zone 1 and 2, Dust Zone 21 and 22)

Premium Stephan S4 solution: motor base product design
• Scalable product design using the Premium Stephan S4 module
• Broad spectrum of options for the «best fit» for your needs
• High flexibility in the installation and attachment configuration
• Covers a large performance spectrum of various types up to motor sizes 132 … 225 … 280 (more upon request)

Your benefits with Premium Stephan
S4 motor base product design
• Superior cost/performance ratio, due to custom-designed features
• Fast commissioning of the entire unit, due to individual components are well coordinated with each other
• High equipment availability: good accessibility with regard to belt settings and maintenance
• User-friendly system, e.g., due to immediately available parameter settings
• Reduced time and effort for certification/acceptance of the total system for operation in potentially explosive environments (ATEX)

More than 80 years’ experience in geared motor technology. Solutions that bring you further – PREMIUM STEPHAN

We help make your job a success!
<table>
<thead>
<tr>
<th>Product group</th>
<th>Mounting examples</th>
<th>Motor base module</th>
<th>Nominal ratio range and output torque (Nm) for gearbox size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 - 6 7 8 9</td>
</tr>
<tr>
<td>SI Helical gearbox</td>
<td>-M</td>
<td>200 - 5000 Nm - 9000 Nm - 15000 Nm - 25000 Nm</td>
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<tr>
<td></td>
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<td>i = 2.8 ... 63 (2 - stage) i = 12.5 ... 224 (3 - stage) i = 125 ... 30000 (with pre-stage)</td>
</tr>
<tr>
<td>SP Shaft-mounted helical gearbox</td>
<td>1 - 6 C D E F G H J K L M</td>
<td>200 - 5400 Nm - 6000 Nm - 8000 Nm - 11000 Nm - 15000 Nm - 18000 Nm - 22000 Nm - 25000 Nm - 31500 Nm - 40000 Nm - 50000 Nm</td>
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<tr>
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<td></td>
<td>i = 3.15 ... 200 (2 - stage) i = 35.5 ... 315 (3 - stage) i = 100 ... 30000 (with pre-stage) i = 6.3 ... 100 ... &gt; 2000</td>
</tr>
<tr>
<td>SK Helical bevel gearbox</td>
<td>1 - 6 C D E F G H J K L M</td>
<td>200 - 4900 Nm - 6000 Nm - 8000 Nm - 11000 Nm - 15000 Nm - 18000 Nm - 22000 Nm - 25000 Nm - 31500 Nm - 40000 Nm - 50000 Nm</td>
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<tr>
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<td>i = 7.1 ... 315 (3 - stage) i = 100 ... 30000 (with pre-stage) i = 12 ... 315 ... &gt; 2000</td>
</tr>
</tbody>
</table>

- Motor sizes 132... 225 ... 280 (more upon request)

**Your benefits.**

**Everything from one source**
- Gearboxes and geared motors
- Application-specific products (customisation)
- Product and system solutions (e.g. drive assemblies)

**Speed in the implementation of specific requirements (customisation).**
- Product modifications (application products)
- Special gearboxes (application/engineered products)
- Special developments (engineered products)

**Reliability**
- Tried-and-tested S4 product range (successor to Hansen S3)
- Know-how and experience stretching over many years guarantee a well-honed design

**“Impossible” is unacceptable**
- Problem solving is our forte
- Premium Stephan’s purpose is to analyse your specific requirements and to rapidly find solutions

**Flexible range of products. Fast implementation. Reliable partnership.**