Enhancing the driving experience

STEERING COLUMNS

Completely tailored from our modular system according to customer specifications with full in-house design, development and validation services.
STEERING COLUMNS

PRODUCT DESCRIPTION

Kongsberg Automotive offers a full range of fixed, tilt and telescopic steering columns, designed to withstand the most challenging environments for off-road vehicles. With our unique modular design, all columns provide best-in-class ergonomic working conditions for the driver.

BENEFITS

• Fully developed, tooled up and validated concepts
• High component commonality, enables short lead time on launches and modification
• Minimal capital and design investment
• Unique modular design our steering column range enables best-in-class ergonomic working conditions for the driver
• Highly experienced engineering and manufacturing team with over 20 years of market & product knowledge

Kongsberg Automotive offers completely tailored steering columns from our modular system according to customer specifications with full in-house design, development and validation services.

FEATURES

• KA's unique modular, self-supported designs
• Modular building blocks for tilt and telescope functions
• Variable steering column length
• Variable position of tilt and telescope
• Variable angles for tilt function and step in and step out positions
• Tilt locking system, incremental or infinity locking
• Telescope function with infinite positioning, low or high telescope positions
• Compatible with all types of steering wheel connections
• Single hand lever, foot pedal or cable operated release
• Compatible with all types of hydraulic pump interfaces
• Vibration damping systems
• Optional driver control modules, switches, horn module, covers and displays

GENERAL SPECIFICATIONS

KA columns are available with covers, bellow and a range of integrated switches and shifters.

Switches can be fixed direct to the steering tube and positioned with index hole

STANDARD ISO 5010 AND SAE J1814

• The specification of all steering columns is according to ISO 5010 and SAE J1814.
• All columns meets Kongsberg Automotive product specification for off road vehicles, agricultural tractors and construction equipment

Test and Validation

• All columns are tested and validated according to Kongsberg Automotive product specification and above mentioned standards
STEERING COLUMN RANGE SUMMARY

F 100                                    T200                                 T350                              T400                                 T425

T450                                 TT550                                  TT600                               TT700                                  TT750

XT850                             XT950                                XT1050                         TT600                               XT1050M

T450                                 TT550                                  TT600                               TT700                                  TT750

XT850                             XT950                                XT1050                         TT600                               XT1050M
STANDARD STEERING COLUMNS

FIXED COLUMN F100

<table>
<thead>
<tr>
<th>Steering Wheel Connection</th>
<th>Part no</th>
<th>Standard Column Lenghts in millimeter</th>
<th>Optional Cover/Bellows</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>With</td>
<td>Without</td>
</tr>
<tr>
<td>A01</td>
<td>21488</td>
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<tr>
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<td>21490</td>
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*Option of covers/bellow are only available on column lengths from 500mm.

TILT COLUMN T400

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<th>Steering Wheel Connection</th>
<th>Part no</th>
<th>Standard Column Lenghts 424mm 500mm 600mm 700mm</th>
<th>Optional Cover/Bellows</th>
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<tbody>
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<td></td>
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TILT TELE COLUMN TT600

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<th>Part no</th>
<th>Standard Column Lenghts 424mm 500mm 600mm 700mm</th>
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<tr>
<td></td>
<td></td>
<td>424mm 500mm 600mm 700mm</td>
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</tr>
<tr>
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<td>21505</td>
<td>-424   -500   -600   -700</td>
<td>-1</td>
</tr>
</tbody>
</table>
STEERING COLUMNS FEATURES

CONNECTION TO STEERING WHEEL

- A01
- A04
- A05

TILT ANGLES

-16° + 24°

+ Towards windscreen
- Towards driver

Tilt Point

CONNECTION TO FLOOR AND PUMP

4XØ11

10,5 ±0.8

SPLINE ACC. TO ANSI B92.1
1970 16/32 12 30.
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