<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Basic Number</th>
<th>Closure</th>
<th>Quality</th>
<th>Radial Play</th>
</tr>
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<tbody>
<tr>
<td>SAE 52100</td>
<td></td>
<td>625</td>
<td></td>
<td>CZ</td>
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<tr>
<td>Stainless</td>
<td></td>
<td>1/8 B</td>
<td>-2Z</td>
<td>ABEC 5</td>
<td>K35</td>
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<tr>
<td>HY</td>
<td></td>
<td>608</td>
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<td>P4</td>
<td>D15</td>
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<tr>
<td>HYSS</td>
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<td>-2Z</td>
<td>P4</td>
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<td>X30CrMoNi5-1</td>
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<td>(upon request)</td>
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<tr>
<td>SAE AMS 5898</td>
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</table>

- Material descriptions:
  - SAE 52100 Chrome Steel
  - Stainless Steel X65Cr13
  - Hybrid bearing Ceramic balls Si3N4 Rings made of SAE 52100 Chrome Steel
  - Hybrid bearing Ceramic balls Si3N4 Rings made of X65Cr13
  - X30CrMoNi5-1 (upon request) SAE AMS 5898

- Type descriptions:
  - F Flanged outer ring
  - E Extended inner ring

- Quality grades:
  - Quality grade 0 is not shown
  - C2 normal 0 to 6 μm
  - C3 normal 4 to 11 μm
  - C4 normal 10 to 20 μm
  - C5 normal 18 to 28 μm
  - C2 normal 0 to 6 μm
  - C3 normal 4 to 11 μm
  - C4 normal 10 to 20 μm
  - C5 normal 18 to 28 μm
  - C2 normal 0 to 9 μm
  - C3 normal 3 to 18 μm
  - C4 normal 11 to 25 μm
  - C4 normal 18 to 33 μm

- Radial play:
  - d 1 to 6 mm
  - d over 6 to 10 mm
  - d over 10 to 18 mm
  - Normal radial play will not appear in the bearing number.

- Other details:
  - C1/5 1 to 5 μm
  - C1/11 7 to 11 μm
  - C10/15 10 to 15 μm
  - C18/28 18 to 28 μm
  - K02 0 to .0002
  - K13 .0001" to .0003"
  - K24 .0002" to .0004"
  - K35 .0003" to .0005"
  - K46 .0004" to .0006"
  - K58 .0005" to .0008"
  - D15 contact angle 15°
## GRW Nomenclature Guide

<table>
<thead>
<tr>
<th>Functional Tests</th>
<th>Bore and O.D. Calibration</th>
<th>Duplex Bearings</th>
<th>Retainer Type</th>
<th>Lubricant Quantity</th>
<th>Lubricant</th>
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</thead>
<tbody>
<tr>
<td>GPR</td>
<td></td>
<td></td>
<td>Y</td>
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<td>J</td>
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<td>G310</td>
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<td>X</td>
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<td>AC1 TA</td>
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<td>L001</td>
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<td>J</td>
<td>140 MG</td>
<td>G340</td>
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<td>GPR Noise tested</td>
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<td>NG Not noise tested</td>
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<tr>
<td>GPA Axial vibration tested</td>
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</table>

R Followed by a figure indicates the starting torque at standard load e.g. R16 starting torque max. 16 μNm.

- X bore and O.D. in 2 Groups
- XB bore in 2 Groups
- XD O.D. in 2 Groups
- X4 bore and O.D. in 4 Groups
- X4B bore in 4 Groups
- X4D O.D. in 4 Groups

-1 Back to back
-2 Face to face
-3 Tandem

Preloading for spindle ball bearing

L Light
M Medium
S Heavy
F

- Y Brass ribbon retainer
- J Stainless steel ribbon retainer
- E Steel ribbon retainer
- JH Stainless steel snap retainer
- THB Phenolic snap retainer
- TNH Synthetic (polyamide) snap retainer
- TN9H Glass fibre reinforced synthetic snap retainer
- AC1 One outer ring land relieved
- AC2 One inner ring land relieved
- AC Version only in combination with one piece solid retainer or full ball complement.

- Standard fill
- 20% Grease
- Volume in percent of void space
- 140 MG Lubrication quantity in milligrams

L... Oil code
G... Grease code
B... Special treatment