

**HY**    **S**    **6002**    **X-2Z**    **C**    **TA**    **P4**    **R**    **X**    **D**    **UL**    **S1**    **Grease**  
 ①    ②    ③    ④    ⑤    ⑥    ⑦    ⑧    ⑨    ⑩    ⑪    ⑫    ⑬

① Material	– Bearings made from chrome steel have no prefix <b>M</b> Bearings made from high temperature steel* <b>N</b> Bearings made from HNS-Steel* <b>HY</b> Balls and rings from different materials (Hybrid bearings)
② Bearing type	<b>S</b> Two lands on the inner ring <b>SN</b> Two lands on the outer ring, for grease lubrication <b>SM</b> Two lands on the inner ring, for high speed applications <b>SMA</b> Two lands on the inner ring, for high speeds, but with lubricant supply through the outer ring <b>SMI</b> Two lands on the inner ring, for high speeds, but with lubricant supply through the inner ring <b>SH</b> One land on the inner ring and the outer ring, optimum for oil-jet lubrication <b>KH</b> One land on the inner ring and the outer ring, for high speed applications <b>BNT</b> Two lands on the outer ring, inner ring removable <b>BHT</b> Two lands on the outer ring, inner ring removable, for high speed applications
③ Bearing size	<b>6002</b> Designation of dimension series and bore
④ Special dimensions Seals	<b>X-2Z</b> Extra wide, shields with snap rings on both sides of the bearing* <b>2RZ</b> Seals on both sides (for KH series)
⑤ Contact angle	<b>C</b> 15° <b>E</b> 25° <b>18°</b> Special feature*
⑥ Cage	<b>TA</b> Laminated phenolic resin cage guided on outer ring <b>TB</b> Laminated phenolic resin cage guided on inner ring* <b>TAM</b> Laminated phenolic resin cage guided on outer ring, ball retaining <b>TXM</b> Molded plastic cage guided on outer ring, ball retaining
⑦ Precision	<b>P4</b> Is equivalent to P4S according to DIN 628-6 <b>P2</b> Tolerance class P2 according to DIN 620 <b>A 7</b> Tolerance class ABEC 7 according to ABMA <b>A 9</b> Tolerance class ABEC 9 according to ABMA <b>HG</b> GMN high precision according to GMN specification <b>UP</b> GMN ultra precision according to GMN specification
⑧ High pointing	<b>R</b> Indication of the point of radial runout (maximum wall thickness) on inner and outer ring <b>R<sub>i</sub></b> Like R, however only on the inner ring <b>R<sub>a</sub></b> Like R, however only on the outer ring
⑨ Grading	<b>X</b> Grading of bore and outer diameter
⑩ Bearing sets	<b>D</b> 2 bearings <b>T</b> 3 bearings <b>Q</b> 4 bearings
⑪ Matching	<b>UL</b> Universal matching - light preload <b>UM</b> Universal matching - medium preload <b>US</b> Universal matching - heavy preload <b>UV</b> Universal matching - preload by agreement <b>F</b> Face-to-Face arrangement <b>B</b> Back-to-Back arrangement <b>T</b> Tandem arrangement
⑫ Heat treatment	<b>S1</b> Operating temperature up to 200 °C * <b>S2</b> Operating temperature up to 250 °C * <b>S3</b> Operating temperature up to 300 °C *
⑬ Lubrication	Designation of grease, e.g. <b>Turmogrease HS L252</b>

\* available on request.