



**UCR**

**U-Grooved Stud Type**

SMITH-TRAX®

**General Information**

The **Smith-Trax®** Series bearings are designed and manufactured to handle increased axial and radial loads by using **Tapered Roller Bearings** or **Deep Groove Ball Bearings**. These bearings should be used when standard needle roller bearings are not sufficient to handle the thrust load found in certain applications. Consult our Engineering Department for special requirements.

Dimensional Data (inches)

| SMITH Bearing® Number                    | BEARING TYPE    | D                               | U                              | B                               | C             | G            | RAD           | A                      | M           | S                             | T                      | H        | R                          | Radial Basic Dynamic Rating (lbs) 500 hrs. 33 rpm. | Dynamic Thrust Load Rating (lbs) 500 hrs. 33 rpm. | Max Static Capacity (lbs) |
|--|-----------------|---------------------------------|--------------------------------|---------------------------------|---------------|--------------|---------------|------------------------|-------------|-------------------------------|------------------------|----------|----------------------------|--|---|---------------------------|
|  | BB-Ball Bearing | Outside Roller O.D.             | Groove Dia.                    | Roller Width                    | Groove Center | Groove Width | Groove Radius | Stud Dia. +.000 -0.001 | Stud Length | Eff. Thread Min               | Thread U.N.F. Class 2A | Hex Size | Shoulder or End Plate Dia. |  |   |                           |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 1  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .263         | 0.1315        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 2  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .242         | 0.1210        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 3  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .224         | 0.1120        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 4  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .207         | 0.1035        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 5  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>7</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .184         | 0.0920        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 6  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .169         | 0.0845        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 7  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .152         | 0.0760        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 8  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .138         | 0.0690        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 9  | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .124         | 0.0620        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |
| UCR-2 <sup>15</sup> / <sub>16</sub> - 10 | BB              | 2 <sup>15</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 7/8           | .113         | 0.0565        | 0.875                  | 2           | 1 <sup>1</sup> / <sub>8</sub> | 7/8-14                 | 3/8      | 1                          | 3,490  | 1,830   | 2,000                     |