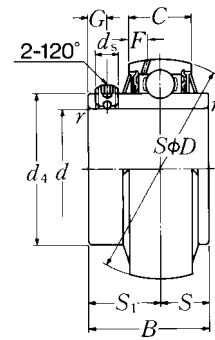


**Ball bearings**  
**Set screw type**



Shaft dia.	Bearing number	Nominal dimensions										
		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>	<i>r<sub>s</sub></i> mm min.	<i>S</i>	inch <i>S<sub>1</sub></i>	<i>G</i>	<i>d<sub>s</sub></i>	<i>d<sub>4</sub></i>	<i>F</i>
<b>50</b>	<b>UC210D1</b>	50	90	51.6	24	1.5	19	32.6	9	M8 × 1	62.4	5.9
1 <sup>13</sup> / <sub>16</sub>	UC210-113D1	1.8125										
1 <sup>7</sup> / <sub>8</sub>	UC210-114D1	1.8750	3.5433	2.0315	0.9449	0.059	0.748	1.283	0.354	5/16-24UNF	2.4567	0.232
1 <sup>15</sup> / <sub>16</sub>	UC210-115D1	1.9375										
<b>2</b>	<b>UC210-200D1</b>	2.0000										
<b>55</b>	<b>UC211D1</b>	55	100	55.6	25	2	22.2	33.4	9	M8 × 1	69	6.0
<b>2</b>	<b>UC211-200D1</b>	2.0000										
2 <sup>1</sup> / <sub>16</sub>	UC211-201D1	2.0625	3.9370	2.1890	0.9843	0.079	0.874	1.315	0.354	5/16-24UNF	2.7165	0.236
2 <sup>1</sup> / <sub>8</sub>	UC211-202D1	2.1250										
2 <sup>3</sup> / <sub>16</sub>	UC211-203D1	2.1875										
<b>60</b>	<b>UC212D1</b>	60	110	65.1	27	2	25.4	39.7	10	M10 × 1.25	77	6.2
2 <sup>1</sup> / <sub>4</sub>	UC212-204D1	2.2500										
2 <sup>5</sup> / <sub>16</sub>	UC212-205D1	2.3125	4.3307	2.5630	1.0630	0.079	1.000	1.563	0.394	3/8-24UNF	3.0315	0.244
2 <sup>3</sup> / <sub>8</sub>	UC212-206D1	2.3750										
2 <sup>7</sup> / <sub>16</sub>	UC212-207D1	2.4375										
<b>65</b>	<b>UC213D1</b>	65	120	65.1	32	2	25.4	39.7	10	M10 × 1.25	82.5	8.7
2 <sup>1</sup> / <sub>2</sub>	UC213-208D1	2.5000	4.7244	2.5630	1.2598	0.079	1.000	1.563	0.394	3/8-24UNF	3.2480	0.343
2 <sup>9</sup> / <sub>16</sub>	UC213-209D1	2.5625										
<b>70</b>	<b>UC214D1</b>	70	125	74.6	33	2	30.2	44.4	12	M10 × 1.25	87	8.8
2 <sup>5</sup> / <sub>8</sub>	UC214-210D1	2.6250										
2 <sup>11</sup> / <sub>16</sub>	UC214-211D1	2.6875	4.9213	2.9370	1.2992	0.079	1.189	1.748	0.472	3/8-24UNF	3.4252	0.346
2 <sup>3</sup> / <sub>4</sub>	UC214-212D1	2.7500										
<b>75</b>	<b>UC215D1</b>	75	130	77.8	34	2	33.3	44.5	12	M10 × 1.25	93	9.0
2 <sup>13</sup> / <sub>16</sub>	UC215-213D1	2.8125										
2 <sup>7</sup> / <sub>8</sub>	UC215-214D1	2.8750	5.1181	3.0630	1.3386	0.079	1.311	1.752	0.472	3/8-24UNF	3.6614	0.354
2 <sup>15</sup> / <sub>16</sub>	UC215-215D1	2.9375										
<b>3</b>	<b>UC215-300D1</b>	3.0000										
<b>80</b>	<b>UC216D1</b>	80	140	82.6	35	2.5	33.3	49.3	12	M10 × 1.25	98.1	9.5
3 <sup>1</sup> / <sub>16</sub>	UC216-301D1	3.0625										
3 <sup>1</sup> / <sub>8</sub>	UC216-302D1	3.1250	5.5118	3.2520	1.3780	0.098	1.311	1.941	0.472	3/8-24UNF	3.8622	0.374
3 <sup>3</sup> / <sub>16</sub>	UC216-303D1	3.1875										

Remarks: 1) For inch series bearings, the  $f_0$  factor for calculating equivalent radial load is the same as the metric series.

Basic load ratings		Factor <sup>1)</sup>  $f_0$	Mass	
N dynamic $C_r$	lbf static $C_{or}$		kg	lb
35 000	23 200	14.4	0.78	2.03
7 900	5 200		1.92	1.81
			1.69	
43 500	29 200	14.3	1.04	2.71
9 750	6 550		2.60	2.46
			2.34	
52 500	36 000	14.3	1.46	3.66
11 800	8 150		3.50	3.33
			3.17	
57 500	40 000	14.4	1.86	4.26
12 900	9 000		4.09	
62 000	44 000	14.5	2.10	5.09
14 000	9 900		4.87	4.65
66 000	49 500	14.7	2.34	5.73
14 900	11 100		5.49	5.25
			4.98	
72 500	53 000	14.6	2.78	6.57
16 300	11 900		6.28	6.00