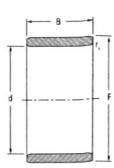
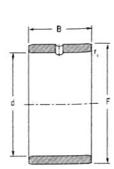


NEEDLE ROLLER BEARINGS

INNER RINGS



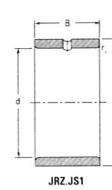
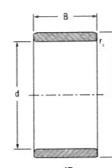
Shft.Dia.	d	F.D.	B	Front	Inner Ring Designation	Outer Ring Designation
	in	in	in	in		in
28	28	32	30	0.3		0.644
1.1224	1.1224	1.2598	1.181	0.01	JR20x22x08	0.597
30	30	35	16	0.3		0.621
1.1811	1.1811	1.3785	0.630	0.01	JR20x25x16	0.608
30	35	35	17	0.3		0.633
1.1811	1.1811	1.3780	0.669	0.01	JR20x25x17	0.673
30	35	35	18	0.3		0.636
1.1811	1.1811	1.3780	0.709	0.01	JR20x25x18US1	0.679
30	35	35	20	0.3		0.639
1.1811	1.1811	1.3780	0.787	0.01	JR20x25x20	0.686
30	35	35	20	0.3		0.639
1.1811	1.1811	1.3780	0.787	0.01	JR20x25x20US1	0.686
30	35	35	20.5	0.3		0.640
1.1811	1.1811	1.3780	0.807	0.01	JR20x25x20.5	0.688
30	35	35	25	0.3		0.654
1.1811	1.1811	1.3780	1.024	0.01	JR20x25x25	0.719
30	35	35	30	0.3		0.657
1.1811	1.1811	1.3780	1.181	0.01	JR20x25x30	0.726
30	35	35	32	0.3		0.662
1.1811	1.1811	1.3780	1.200	0.01	JR20x25x32	0.737
30	38	38	20	0.6		0.667
1.1811	1.4951	1.287	0.787	0.02	JR20x28x21.5US1	0.748
32	32	37	20	0.3		0.643
1.2568	1.2568	1.4657	0.787	0.01	JR20x27x20	0.695
32	37	37	30	0.3		0.664
1.2568	1.2568	1.4657	1.181	0.01	JR20x27x30	0.741
32	40	40	20	0.6		0.669
1.2568	1.2568	1.5148	0.787	0.02	JR20x40x20	0.752
32	40	40	36	0.6		0.128
1.2568	1.2568	1.5148	1.413	0.02	JR20x40x36	0.292
35	35	40	17	0.3		0.640
1.3780	1.3780	1.5148	0.665	0.01	JR20x40x17	0.638
35	40	40	20	0.3		0.646
1.3780	1.3780	1.5148	0.787	0.01	JR20x40x20	0.701
35	40	40	25.5	0.3		0.643
1.3780	1.3780	1.5148	0.807	0.01	JR20x40x25.5	0.708
35	40	40	22	0.3		0.652
1.3780	1.3780	1.5148	0.866	0.01	JR20x40x22	0.715
35	40	40	30	0.3		0.671
1.3780	1.3780	1.5148	1.181	0.01	JR20x40x30	0.757
35	40	40	34	0.3		0.680
1.3780	1.3780	1.5148	1.239	0.01	JR20x40x34	0.779
35	40	40	40	0.3		0.694
1.3780	1.3780	1.5148	1.575	0.01	JR20x40x40	0.807
35	42	42	20	0.6		0.665
1.3780	1.6255	1.797	0.787	0.02	JR20x42x20	0.743
35	42	42	20	0.6		0.665
1.3780	1.6255	1.797	0.787	0.02	JR20x42x20US1	0.743



The diagram shows a stepped cylindrical component. It has a total height d and a total width B . The top surface is flat, and the bottom surface is a rectangle with rounded corners. The side profile shows a vertical dashed line from the center of the top surface down to the bottom surface, indicating the height d . The total width B is indicated by a horizontal dimension line across the top. The bottom surface has a radius r_1 at its corners. The label "IRZ-1S1" is positioned below the component.



INNER RINGS



Sheet Dic.	d	f	B	Fwd:	Inner Ring Distrubutions		Apprx. Wt.
					in	in	
35 13780	35 13780	42 16535	23 0.958	0.6 0.02	JR259x42(215)		0.014 0.163
	35 13780	42 16525	36 1.417	0.6 0.02	JR259x42(08)		0.122 0.265
	35 13780	42 17322	22 0.986	0.6 0.02	JR259x42(22)		0.091 0.214
38 14681	39 14681	43 16628	29 0.787	0.3 0.01	JR304x43(20)		0.059 0.110
	38 14681	43 16628	36 1.181	0.3 0.01	JR304x43(03)		0.075 0.165
40 15746	40 15746	45 17317	12 0.869	0.3 0.01	JR404x45(17)		0.044 0.093
	40 15746	45 17317	28 0.882	0.3 0.01	JR404x45(20)		0.052 0.111
40 15746	40 15746	45 17317	28.5 0.883	0.3 0.01	JR404x45(20.5)		0.054 0.115
	40 15746	45 17317	36 1.181	0.3 0.01	JR404x45(30)		0.078 0.172
40 15746	40 15746	45 17317	34 1.329	0.3 0.01	JR404x45(34)		0.068 0.166
	40 15746	45 17317	40 1.575	0.3 0.01	JR404x45(40)		0.115 0.254
40 15746	40 15746	48 16998	22 0.866	0.6 0.02	JR404x48(22)		0.054 0.207
	40 15746	48 16998	23 0.956	0.6 0.02	JR259x48(23.01)		0.106 0.226
40 15746	40 15746	48 16998	40 1.575	0.6 0.02	JR404x48(40)		0.172 0.381
	40 15746	50 15685	20 0.989	1 0.04	JR405x50(20)		0.119 0.243
42 16535	42 16535	47 18524	29 0.787	0.3 0.01	JR424x47(20)		0.055 0.211
	42 16535	47 18524	30 1.181	0.3 0.01	JR424x47(30)		0.083 0.193
45 17717	45 17717	50 15685	20 0.787	0.3 0.01	JR455x50(20)		0.056 0.126
	45 17717	50 15685	25 0.984	0.6 0.02	JR455x50(25)		0.073 0.161
	45 17717	50 15685	25.5 1.004	0.6 0.01	JR455x50(25.5)		0.075 0.165
45 17717	45 17717	50 15685	35 1.378	0.6 0.02	JR455x50(35)		0.103 0.227
	45 17717	50 15685	40 1.575	0.3 0.01	JR455x50(40)		0.117 0.258
45 17717	45 17717	52 2.0472	22 0.868	0.6 0.02	JR455x52(22)		0.050 0.198
	45 17717	52 2.0472	23 0.968	0.6 0.02	JR455x52(23)		0.056 0.212

(b) Tolerances for metric full complement needle roller bearings are based on ± 0.01 mm with outside diameter tolerance ± 0.05 mm.

(1) Inner rings for metric full complement needle roller bearings are produced with outside diameter tolerance grade 1.

Continued on next page