

CHART 1 MAXIMUM ALLOWABLE LOADS

Bearing Number	Shaft Diameter	REVOLUTIONS PER MINUTE											
		Linear Only	50	100	200	300	500	900	1200	1500	1800	2400	3600
LR-6	.3750	70	61	48	39	33	29	23	21	20	18	17	15
LR-8	.5000	185	161	128	102	89	76	61	56	52	48	44	39
LR-10	.6250	283	246	195	156	136	116	93	85	79	74	68	59
LR-12	.7500	325	283	224	179	156	133	107	98	91	85	78	68
LR-16	1.0000	450	392	311	248	216	185	149	135	126	117	108	95
LR-20	1.2500	600	522	414	330	288	246	198	180	168	156	144	126
LR-24	1.5000	935	813	645	514	449	383	309	281	262	243	224	196
LR-32	2.0000	1340	1166	925	737	643	549	442	402	375	348	322	281
LR-40	2.5000	1830	1592	1263	1018	878	750	604	549	512	475	439	---
LR-48	3.0000	2370	2062	1635	1304	1138	972	782	711	663	616	---	---
LR-64	4.0000	5285	4598	3647	2907	2537	2167	1744	1585	1480	---	---	---

- NOTES: 1. Load ratings based on use with hardened shaft — Rockwell 60C
 2. Based on travel life of 10 million inches
 3. For speeds and loads not listed, consult Engineering Dept.

CHART 2 SHAFT SELECTION CHART

Standard AISI C-1060 Steel hardened to Rockwell 58/63C

or 440C Stainless steel shafts hardened to Rockwell 50/55C are charted below. Shafting can be supplied up to 12 feet long or can be cut to any length. Special tolerances, dimensions or end machining will be promptly quoted.

Nominal Dia.*	Tolerance Code	TOLERANCES*	Weight per Inch (lb)	Min. Depth of Hardness	Nominal Dia.*	Tolerance Code	TOLERANCES*	Weight per Inch (lb)	Min. Depth of Hardness
3/8"	A	.3735/.3740"	.031	.040"	1-1/2"	A	1.4984/1.4989"	.500	.080"
	B	.3740/.3745"				B	1.4989/1.4994"		
1/2"	A	.4985/.4990"	.055	.060"	2"	A	1.9980/1.9987"	.890	.100"
	B	.4990/.4995"				B	1.9987/1.9994"		
	R	.4998/.5000"				R	1.9997/2.0000"		
5/8"	A	.6235/.6240"	.086	.060"	2-1/2"	A	2.4977/2.4985"	1.391	.100"
	B	.6240/.6245"				B	2.4985/2.4993"		
	R	.6248/.6250"				R	2.4995/2.5000"		
3/4"	A	.7485/.7490"	.125	.060"	3"	A	2.9974/2.9983"	2.003	.100"
	B	.7490/.7495"				B	2.9983/2.9992"		
	R	.7498/.7500"				R	2.9994/3.0000"		
1"	A	.9985/.9990"	.222	.080"	4"	A	3.9964/3.9976"	3.560	.100"
	B	.9990/.9995"				B	3.9976/3.9988"		
	R	.9998/1.0000"				R	3.9991/4.0000"		
1-1/4"	A	1.2485/1.2490"	.348	.080"	4"	A	3.9964/3.9976"	3.560	.100"
	B	1.2490/1.2495"				B	3.9976/3.9988"		
	R	1.2498/1.2500"				R	3.9991/4.0000"		

*For other sizes and tolerances, consult Linear Rotary Bearings.