LIST OF SYMBOLS

Symbol	Description	<u>Units</u>
$f_{0 heta}$	coefficient of viscous dependent bearing torque	
$f_{1 heta}$	coefficient of load dependent bearing torque	
α	contact angle	rad, °

Table CD10.1. Coefficients for the ISO Thermal Reference Speed Rating.

Bearing Type	Dimension Series	f ₀₀	f ₁₀
	18	1.7	0.00010
	28	1.7	0.00010
	38	1.7	0.00010
	19	1.7	0.00015
 Single-row deep groove ball bearings	39	1.7	0.00015
Single-row deep groove ball bearings	00	1.7	0.00015
	10	1.7	0.00015
	02	2	0.00020
	03	2.3	0.00020
	04	2.3	0.00020
	02	2.5	0.00008
Self-aligning ball bearings	22	3	0.00008
Self-aligning ball bearings	03	3.5	0.00008
	23	4	0.00008
Single-row angular contact ball	02	2	0.00025
bearings 22°<α <u><</u> 45°	03	3	0.00035
Double-row or paired single-row	32	5	0.00035
angular contact ball barings	33	7	0.00035
	02	3	0.00040
	03	3	0.00040
	30	3	0.00040
	29	3	0.00040
Tapered roller bearings	20	3	0.00040
rapered folier bearings	22	4.5	0.00040
	23	4.5	0.00040
	13	4.5	0.00040
	31	4.5	0.00040
	32	4.5	0.00040
	48	5	0.00050
Needle roller bearings	49	5.5	0.00050
	69	10	0.00050

Bearing Type	Dimension Series	f _{0θ}	f ₁₀
Four-point contact ball bearings	02	2	0.00037
1 our-point contact ball bearings	03	3	0.00037
	10	2	0.00020
	02	2	0.00030
Single-row cylindrical roller bearings	22	3	0.00040
with cage	03	2	0.00035
	23	4	0.00040
	04	2	0.00040
	18	5	0.00055
Single-row cylindrical roller bearings	29	6	0.00055
full complement	30	7	0.00055
ian complement	22	8	0.00055
	23	12	0.00055
	39	4.5	0.00017
	30	4.5	0.00017
	40	6.5	0.00027
	31	5.5	0.00027
Spherical roller bearings	41	7	0.00049
	22	4	0.00019
	32	6	0.00036
	03	3.5	0.00019
	23	4.5	0.00030
Double-row cylindrical roller bearings	48	9	0.00055
full complement	49	11	0.00055
Tall demploment	50	13	0.00055
Thrust cylindrical roller bearings	11	3	0.00150
,	12	4	0.00150
Thrust needle roller bearings	a	5	0.00150
	92	3.7	0.00030
Thrust spherical roller bearings	93	4.5	0.00040
	94	5	0.00050
Thrust spherical roller bearings	92	2.5	0.00023
modified design (optimized internal	93	3	0.00030
construction)	94	3.3	0.00033

^aDimension series for thrust needle roller bearings according to ISO 3031