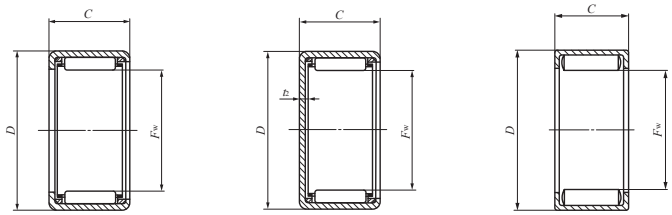
SHELL TYPE NEEDLE ROLLER BEARINGS





TA···Z TLA···Z　　TAM TLAM　　YT

Shaft dia. 16 — 19mm

Shaft dia. mm	Identification number										Boundary dimensions mm				Standard mounting dimensions mm						Basic dynamic load rating	Basic static load rating	Allowable rotational speed(1)	Assembled inner ring
	Standard	Mass (Ref.) g	Closed end	Mass (Ref.) g	Standard	Mass (Ref.) g	Closed end	Mass (Ref.) g	Grease retained	Mass (Ref.) g					Shaft dia. h6		Housing bore dia. J7		N7					
											F_w	D	C	t_2 Max.	Max.	Min.	Max.	Min.	Max.	Min.	C N	C_0 N	min^{-1}	
16	—	—	—	—	**TLA 1612 Z**	10.9	**TLAM 1612**	12.2	—	—	16	22	12	1.3							7 670	10 200	25 000	**IRT 1212-1**
	—	—	—	—	**TLA 1616 Z**	14.8	**TLAM 1616**	16.1	—	—	16	22	16	1.3	16.000	15.989	—	—	21.993	21.972	9 700	13 800	25 000	**IRT 1216-1**
	—	—	—	—	**TLA 1622 Z**	20	**TLAM 1622**	21.5	—	—	16	22	22	1.3							14 200	22 400	25 000	**IRT 1222-1**
	TA 1616 Z	20	**TAM 1616**	22	—	—	—	—	—	—	16	24	16	1.3							11 100	13 300	25 000	**IRT 1216-1**
	TA 1620 Z	25	**TAM 1620**	27	—	—	—	—	—	—	16	24	20	1.3	16.000	15.989	24.012	23.991	—	—	14 700	19 100	25 000	**IRT 1220-1**
17	—	—	—	—	**TLA 1712 Z**	11.5	**TLAM 1712**	13	—	—	17	23	12	1.3	17.000	16.989	—	—	22.993	22.972	7 960	10 900	25 000	—
	TA 1715 Z	17.6	**TAM 1715**	19.5	—	—	—	—	—	—	17	24	15	1.3							9 660	12 700	25 000	**IRT 1215-2**
	TA 1720 Z	23.5	**TAM 1720**	25	—	—	—	—	—	—	17	24	20	1.3							13 900	20 400	25 000	**IRT 1220-2**
	TA 1725 Z	29	**TAM 1725**	31	—	—	—	—	—	—	17	24	25	1.3	17.000	16.989	24.012	23.991	—	—	17 900	28 100	25 000	**IRT 1225-2**
	—	—	—	—	—	—	—	—	**YT 1715**	20.5	17	24	15	—							16 600	26 000	9 000	**IRT 1215-2**
	—	—	—	—	—	—	—	—	**YT 1725**	35.5	17	24	25	—							27 200	49 000	9 000	**IRT 1225-2**
18	—	—	—	—	**TLA 1812 Z**	12	**TLAM 1812**	13.7	—	—	18	24	12	1.3	18.000	17.989	—	—	23.993	23.972	8 230	11 500	20 000	**IRT 1512**
	—	—	—	—	**TLA 1816 Z**	16.2	**TLAM 1816**	17.9	—	—	18	24	16	1.3							10 400	15 600	20 000	**IRT 1516**
	TA 1813 Z	16.4	**TAM 1813**	18.5	—	—	—	—	—	—	18	25	13	1.3							9 100	12 000	20 000	**IRT 1513**
	TA 1815 Z	18.5	**TAM 1815**	20.5	—	—	—	—	—	—	18	25	15	1.3							10 100	13 600	20 000	**IRT 1515**
	TA 1817 Z	21	**TAM 1817**	23	—	—	—	—	—	—	18	25	17	1.3							11 900	16 900	20 000	**IRT 1517**
	TA 1819 Z	23.5	**TAM 1819**	25.5	—	—	—	—	—	—	18	25	19	1.3	18.000	17.989	25.012	24.991	—	—	13 700	20 200	20 000	**IRT 1519**
	TA 1820 Z	24.5	**TAM 1820**	26.5	—	—	—	—	—	—	18	25	20	1.3							14 500	21 800	20 000	**IRT 1520**
	TA 1825 Z	30.5	**TAM 1825**	32.5	—	—	—	—	—	—	18	25	25	1.3							18 600	30 000	20 000	**IRT 1525**
19	**TA 1916 Z**	23	**TAM 1916**	25.5	—	—	—	—	—	—	19	27	16	1.3							12 200	15 700	20 000	**IRT 1516-1**
	TA 1920 Z	29	**TAM 1920**	31	—	—	—	—	—	—	19	27	20	1.3	19.000	18.987	27.012	26.991	—	—	16 100	22 600	20 000	**IRT 1520-1**

Note(1) Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.
Remark Shell Type Grease Retained Full Complement Needle Roller Bearings are provided with prepacked grease. Standard type and closed end type bearings are not provided with prepacked grease, so perform proper lubrication when using these types of bearings.

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch