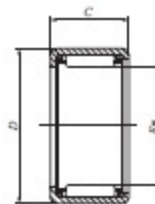


SHELL TYPE NEEDLE ROLLER BEARINGS



TA...Z TLA...Z

Shaft dia. 22 – 24mm

Shaft dia. mm	Identification number										Boundary dimensions mm				Standard mounting dimensions mm						Basic dynamic load rating C N	Basic static load rating C ₀ N	Allowable rotational speed ⁽¹⁾ rpm	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	F _w	D	C	r ₁ , r ₂ Max.	Shaft dia. h6		Housing bore dia. J7 N7							
															Max.	Min.	Max.	Min.	Max.	Min.				
22	—	—	—	—	TLA 2212 Z	15.6	TLAM 2212	18.1	—	—	22	28	12	1.3	22.000	21.987	—	—	27.993	27.972	9 230	14 300	18 000	—
	—	—	—	—	TLA 2216 Z	21.5	TLAM 2216	24	—	—	22	28	16	1.3							11 700	19 300	18 000	IRT 1716-2
	—	—	—	—	TLA 2220 Z	26.5	TLAM 2220	29	—	—	22	28	20	1.3							15 300	27 300	18 000	IRT 1720-2
	TA 2210 Z	15	TAM 2210	18.1	—	—	—	—	—	—	22	29	10	1.3	22.000	21.987	29.012	28.991	—	—	6 650	8 500	18 000	IRT 1710-2
	TA 2215 Z	21.5	TAM 2215	24.5	—	—	—	—	—	—	22	29	15	1.3							11 100	16 400	18 000	IRT 1715-2
	TA 2220 Z	29	TAM 2220	32	—	—	—	—	—	—	22	29	20	1.3							16 000	26 300	18 000	IRT 1720-2
	TA 2225 Z	35.5	TAM 2225	38.5	—	—	—	—	—	—	22	29	25	1.3							19 700	34 300	18 000	IRT 1725-2
	TA 2230 Z	42.5	TAM 2230	45.5	—	—	—	—	—	—	22	29	30	1.3							23 800	43 700	18 000	IRT 1730-2
	TA 223016 Z	26	TAM 223016	29	—	—	—	—	—	—	22	30	16	1.3	22.000	21.987	30.012	29.991	—	—	13 200	18 200	18 000	IRT 1716-2
	TA 223020 Z	32.5	TAM 223020	35.5	—	—	—	—	—	—	22	30	20	1.3							17 500	26 100	18 000	IRT 1720-2
—	—	—	—	—	—	—	—	YT 223016	32	22	30	16	—	22 600							36 800	7 000	IRT 1716-2	
—	—	—	—	—	—	—	—	YT 223020	40.5	22	30	20	—	28 200							48 900	7 000	IRT 1720-2	
24	TA 2420 Z	31	TAM 2420	35	—	—	—	—	—	24	31	20	3.4	24.000	23.987	31.014	30.989	—	—	17 000	29 200	16 000	IRT 2020	
	TA 2428 Z	43.5	TAM 2428	47	—	—	—	—	—	24	31	28	3.4							24 500	46 700	16 000	IRT 2028	
	—	—	—	—	—	—	—	—	YT 2428	54	24	31	28							—	36 800	79 900	6 500	IRT 2028
	TA 243216 Z	28	TAM 243216	32	—	—	—	—	—	—	24	32	16	3.4	24.000	23.987	32.014	31.989	—	—	14 200	20 500	16 000	IRT 2016
	TA 243220 Z	35.5	TAM 243220	39	—	—	—	—	—	—	24	32	20	3.4							18 800	29 400	16 000	IRT 2020
	—	—	—	—	—	—	—	—	—	—	24	32	16	—							23 700	40 100	6 500	IRT 2016
	—	—	—	—	—	—	—	—	YT 243216	34.5	24	32	16	—							29 500	53 200	6 500	IRT 2020
	—	—	—	—	—	—	—	—	YT 243220	43.5	24	32	20	—										

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.