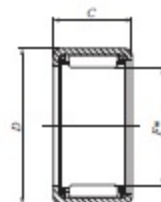


## SHELL TYPE NEEDLE ROLLER BEARINGS



TA...Z TLA...Z

Shaft dia. 25 – 28mm

Shaft dia. mm	Identification number										Boundary dimensions mm					Standard mounting dimensions mm				Basic dynamic load rating C N	Basic static load rating C <sub>0</sub> N	Allowable rotational speed <sup>(1)</sup> 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 <sub>w</sub>	D	C	r <sub>1</sub> Max.	Shaft dia. h6		Housing bore dia.												
															Max.	Min.	Max.	J7 Min.	Max.					N7 Min.					
25	—	—	—	—	TLA 2512 Z	19.7	TLAM 2512	23.5	—	—	25	32	12	2.8	25.000	24.987	—	—	31.992	31.967	9 440	13 900	15 000	—					
	—	—	—	—	TLA 2516 Z	26	TLAM 2516	29.5	—	—	25	32	16	2.8							12 800	20 500	15 000	—					
	—	—	—	—	TLA 2520 Z	32	TLAM 2520	36	—	—	25	32	20	2.8							16 900	29 300	15 000	IRT 2020-1					
	—	—	—	—	TLA 2526 Z	41.5	TLAM 2526	45.5	—	—	25	32	26	2.8							22 600	42 500	15 000	IRT 2026-1					
	—	—	—	—	TLAW2538Z	58.5	TLAMW2538	62	—	—	25	32	38	2.8							28 900	58 500	15 000	IRT 2038-1					
	—	—	—	—	—	—	—	—	YTL 2526	51.5	25	32	26	—							35 000	75 800	6 000	IRT 2026-1					
	TA 2510 Z	19.1	TAM 2510	23	—	—	—	—	—	—	25	33	10	3.4	25.000	24.987	33.014	32.989	—	—	7 990	9 900	15 000	IRT 2010-1					
	TA 2515 Z	28.5	TAM 2515	32.5	—	—	—	—	—	—	25	33	15	3.4							13 400	19 300	15 000	IRT 2015-1					
	TA 2520 Z	36.5	TAM 2520	40.5	—	—	—	—	—	—	25	33	20	3.4							19 500	31 100	15 000	IRT 2020-1					
	TA 2525 Z	45.5	TAM 2525	49	—	—	—	—	—	—	25	33	25	3.4							24 100	40 800	15 000	IRT 2025-1					
	TA 2530 Z	54.5	TAM 2530	58.5	—	—	—	—	—	—	25	33	30	3.4							29 100	52 000	15 000	IRT 2030-1					
	—	—	—	—	—	—	—	—	—	—	YTL 2510	22.5	25	33							10	—	—	—	—	15 500	23 600	6 000	IRT 2010-1
	—	—	—	—	—	—	—	—	—	—	YTL 2515	33	25	33	15	—	—	—	—	22 700	38 300	6 000	IRT 2015-1						
	—	—	—	—	—	—	—	—	—	—	YTL 2520	45	25	33	20	—	—	—	—	30 200	55 400	6 000	IRT 2020-1						
—	—	—	—	—	—	—	—	—	—	YTL 2525	57	25	33	25	—	—	—	—	37 200	72 500	6 000	IRT 2025-1							
26	TA 2616 Z	30.5	TAM 2616	34.5	—	—	—	—	—	—	26	34	16	3.4	26.000	25.987	34.014	33.989	—	—	15 200	22 900	15 000	IRT 2216					
	TA 2620 Z	38	TAM 2620	42.5	—	—	—	—	—	—	26	34	20	3.4							20 100	32 800	15 000	IRT 2220					
	—	—	—	—	—	—	—	—	—	—	YTL 2616	37	26	34							16	—	—	—	—	24 700	43 300	6 000	IRT 2216
	—	—	—	—	—	—	—	—	—	—	YTL 2620	46.5	26	34							20	—	—	—	—	30 800	57 500	6 000	IRT 2220
28	—	—	—	—	TLA 2816 Z	28.5	TLAM 2816	33.5	—	—	28	35	16	2.8	28.000	27.987	—	—	34.992	34.967	13 800	23 500	13 000	—					
	—	—	—	—	TLA 2820 Z	35.5	TLAM 2820	40.5	—	—	28	35	20	2.8							18 300	33 600	13 000	IRT 2220-1					
	TA 2820 Z	45	TAM 2820	50	—	—	—	—	—	—	—	28	37	20	3.4	28.000	27.987	37.014	36.989	—	—	21 200	32 300	13 000	IRT 2220-1				
	TA 2830 Z	67.5	TAM 2830	72.5	—	—	—	—	—	—	—	28	37	30	3.4							33 000	56 900	13 000	IRT 2230-1				
—	—	—	—	—	—	—	—	—	—	YTL 2820	56.5	28	37	20	—							—	—	—	34 700	61 700	5 500	IRT 2220-1	

Note<sup>(1)</sup> Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.

Remarks1. "W" in the identification number indicates that rolling elements are arranged in double rows.

2. 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.