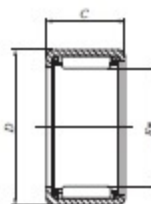


SHELL TYPE NEEDLE ROLLER BEARINGS



TA...Z TLA...Z

Shaft dia. 29 – 35mm

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.										
29	TA 2920 Z	47	TAM 2920	52	—	—	—	—	—	—	29	38	20	3.4	29.000	28.987	38.014	37.989	—	—	22 000	34 200	13 000	IRT 2520						
	TA 2930 Z	70	TAM 2930	75.5	—	—	—	—	—	—	29	38	30	3.4							34 200	60 300	13 000	IRT 2530						
	—	—	—	—	—	—	—	—	YT 2920	58.5	29	38	20	—							35 500	64 100	5 000	IRT 2520						
30	—	—	—	—	TLA 3012 Z	23.5	TLAM 3012	29	—	—	30	37	12	2.8	30.000	29.987	—	—	36.992	36.967	10 400	16 600	12 000	—						
	—	—	—	—	TLA 3016 Z	30.5	TLAM 3016	36	—	—	30	37	16	2.8							14 100	24 500	12 000	—						
	—	—	—	—	TLA 3018 Z	34.5	TLAM 3018	40	—	—	30	37	18	2.8							16 400	29 800	12 000	—						
	—	—	—	—	TLA 3020 Z	38	TLAM 3020	43.5	—	—	30	37	20	2.8							18 600	35 100	12 000	IRT 2520-1						
	—	—	—	—	TLA 3026 Z	49	TLAM 3026	54.5	—	—	30	37	26	2.8							24 800	50 900	12 000	IRT 2526-1						
	—	—	—	—	TLAW3038 Z	69	TLAMW3038	74.5	—	—	30	37	38	2.8							31 900	70 200	12 000	IRT 2538-1						
	TA 3013 Z	36.5	TAM 3013	42.5	—	—	—	—	—	—	30	40	13	3.4							30.000	29.987	40.014	39.989	—	—	13 500	16 800	12 000	—
	TA 3015 Z	42	TAM 3015	47.5	—	—	—	—	—	—	30	40	15	3.4													16 800	22 400	12 000	IRT 2515-1
	TA 3020 Z	54.5	TAM 3020	60	—	—	—	—	—	—	30	40	20	3.4													24 500	36 300	12 000	IRT 2520-1
	TA 3025 Z	68	TAM 3025	73.5	—	—	—	—	—	—	30	40	25	3.4													31 600	50 300	12 000	IRT 2525-1
TA 3030 Z	80	TAM 3030	85.5	—	—	—	—	—	—	30	40	30	3.4	36 700	60 700	12 000	IRT 2530-1													
32	TA 3220 Z	57.5	TAM 3220	63.5	—	—	—	—	—	—	32	42	20	3.4	32.000	31.984	42.014	41.989	—	—	25 400	38 600	11 000	IRT 2820						
	TA 3230 Z	86	TAM 3230	97.5	—	—	—	—	—	—	32	42	30	3.4							39 500	68 400	11 000	IRT 2830						
	—	—	—	—	—	—	—	—	YT 3220	71.5	32	42	20	—							39 900	70 100	4 500	IRT 2820						
35	—	—	—	—	TLA 3512 Z	27	TLAM 3512	34.5	—	—	35	42	12	2.8	35.000	34.984	—	—	41.992	41.967	11 600	20 000	10 000	IRT 3012						
	—	—	—	—	TLA 3516 Z	35	TLAM 3516	42.5	—	—	35	42	16	2.8							15 700	29 600	10 000	—						
	—	—	—	—	TLA 3520 Z	43.5	TLAM 3520	51	—	—	35	42	20	2.8							20 700	42 300	10 000	IRT 3020						
	TA 3512 Z	38.5	TAM 3512	46	—	—	—	—	—	—	35	45	12	3.4	35.000	34.984	45.014	44.989	—	—	14 800	19 900	10 000	IRT 3012						
	TA 3515 Z	48	TAM 3515	56	—	—	—	—	—	—	35	45	15	3.4							18 500	26 500	10 000	IRT 3015						
	TA 3520 Z	62.5	TAM 3520	70	—	—	—	—	—	—	35	45	20	3.4							27 000	43 100	10 000	IRT 3020						
	TA 3525 Z	78	TAM 3525	85.5	—	—	—	—	—	—	35	45	25	3.4							34 800	59 700	10 000	IRT 3025						
TA 3530 Z	97	TAM 3530	105	—	—	—	—	—	—	35	45	30	3.4	40 600							72 600	10 000	IRT 3030							

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