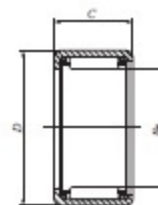


SHELL TYPE NEEDLE ROLLER BEARINGS



TA...Z TLA...Z

Shaft dia. 37 – 45mm

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 Max.	Shaft dia. h6		Housing bore dia. J7 N7							
															Max.	Min.	Max.	Min.	Max.	Min.				
37	TA 3720 Z	64.5	TAM 3720	73	—	—	—	—	—	—	37	47	20	3.4	37.000	36.984	47.014	46.989	—	—	27 800	45 400	9 500	IRT 3220
	TA 3730 Z	101	TAM 3730	110	—	—	—	—	—	—	37	47	30	3.4							41 800	76 700	9 500	IRT 3230
	—	—	—	—	—	—	—	—	YT 3720	81	37	47	20	—							43 300	81 300	4 000	IRT 3220
38	TA 3815 Z	51	TAM 3815	60	—	—	—	—	—	—	38	48	15	3.4	38.000	37.984	48.014	47.989	—	—	19 000	28 000	9 000	IRT 3215-1
	TA 3820 Z	65.5	TAM 3820	74.5	—	—	—	—	—	—	38	48	20	3.4							27 700	45 600	9 000	IRT 3220-1
	TA 3825 Z	82.5	TAM 3825	96	—	—	—	—	—	—	38	48	25	3.4							35 600	63 100	9 000	IRT 3225-1
	TA 3830 Z	104	TAM 3830	114	—	—	—	—	—	—	38	48	30	3.4							43 100	80 600	9 000	IRT 3230-1
	TAW 3845 Z	149	TAMW 3845	159	—	—	—	—	—	—	38	48	45	3.4							55 700	112 000	9 000	IRT 3245-1
40	—	—	—	—	TLA 4012 Z	30	TLAM 4012	40	—	—	40	47	12	2.8	40.000	39.984	—	—	46.992	46.967	12 400	22 800	8 500	—
	—	—	—	—	TLA 4016 Z	39	TLAM 4016	49	—	—	40	47	16	2.8							16 700	33 700	8 500	—
	—	—	—	—	TLA 4020 Z	49	TLAM 4020	58.5	—	—	40	47	20	2.8							22 100	48 200	8 500	IRT 3520
	TA 4015 Z	54	TAM 4015	63.5	—	—	—	—	—	—	40	50	15	3.4	40.000	39.984	50.014	49.989	—	—	19 500	29 400	8 500	IRT 3515
	TA 4020 Z	69.5	TAM 4020	79	—	—	—	—	—	—	40	50	20	3.4							28 400	47 800	8 500	IRT 3520
	TA 4025 Z	86.5	TAM 4025	102	—	—	—	—	—	—	40	50	25	3.4							36 600	66 200	8 500	IRT 3525
	TA 4030 Z	110	TAM 4030	120	—	—	—	—	—	—	40	50	30	3.4							44 300	84 600	8 500	IRT 3530
	TA 4040 Z	144	TAM 4040	154	—	—	—	—	—	—	40	50	40	3.4							56 700	116 000	8 500	IRT 3540
	—	—	—	—	—	—	—	—	YT 4015	63.5	40	50	15	—							33 400	59 800	4 000	IRT 3515
	—	—	—	—	—	—	—	—	YT 4025	109	40	50	25	—	55 300	114 000	4 000	IRT 3525						
45	—	—	—	—	TLA 4516 Z	43.5	TLAM 4516	56	—	—	45	52	16	2.8	45.000	44.984	—	—	51.991	51.961	17 800	37 800	7 500	—
	—	—	—	—	TLA 4520 Z	54.5	TLAM 4520	67	—	—	45	52	20	2.8							23 400	54 000	7 500	IRT 4020
	TA 4520 Z	77	TAM 4520	90	—	—	—	—	—	—	45	55	20	3.4	45.000	44.984	55.018	54.988	—	—	30 600	54 600	7 500	IRT 4020
	TA 4525 Z	102	TAM 4525	115	—	—	—	—	—	—	45	55	25	3.4							39 400	75 600	7 500	IRT 4025
	TA 4530 Z	122	TAM 4530	135	—	—	—	—	—	—	45	55	30	3.4							47 700	96 600	7 500	IRT 4030
	TA 4540 Z	161	TAM 4540	174	—	—	—	—	—	—	45	55	40	3.4							61 300	133 000	7 500	IRT 4040
	—	—	—	—	—	—	—	—	—	—	45	55	20	—							47 800	98 200	3 500	IRT 4020
	—	—	—	—	—	—	—	—	YT 4520	96	45	55	20	—							59 100	129 000	3 500	IRT 4025
—	—	—	—	—	—	—	—	YT 4525	122	45	55	25	—	—	—	—	—	—	—	—	—	—	—	

Note⁽¹⁾ 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 the 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.