

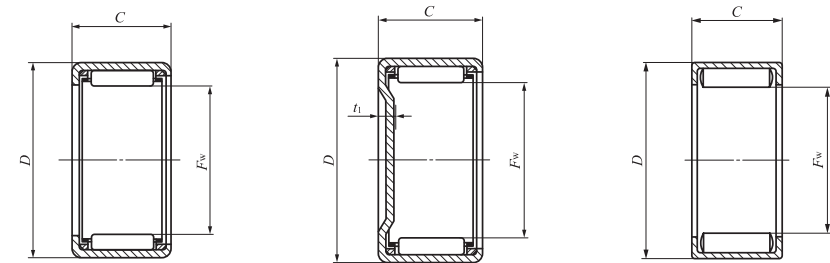
SHELL TYPE NEEDLE ROLLER BEARINGS



Shaft dia. 29 – 35mm

Shaft dia. mm	Identification number									
	Standard	Mass (Ref.) g	Closed end	Mass (Ref.) g	Standard	Mass (Ref.) g	Closed end	Mass (Ref.) g	Grease retained	Mass (Ref.) g
29	TA 2920 Z	47	TAM 2920	52	—	—	—	—	—	—
	TA 2930 Z	70	TAM 2930	75.5	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	YT 2920	58.5
30	—	—	—	—	TLA 3012 Z	23.5	TLAM 3012	29	—	—
	—	—	—	—	TLA 3016 Z	30.5	TLAM 3016	36	—	—
	—	—	—	—	TLA 3018 Z	34.5	TLAM 3018	40	—	—
	—	—	—	—	TLA 3020 Z	38	TLAM 3020	43.5	—	—
	—	—	—	—	TLA 3026 Z	49	TLAM 3026	54.5	—	—
	—	—	—	—	TLAW3038 Z	69	TLAMW3038	74.5	—	—
	TA 3013 Z	36.5	TAM 3013	42.5	—	—	—	—	—	—
	TA 3015 Z	42	TAM 3015	47.5	—	—	—	—	—	—
	TA 3020 Z	54.5	TAM 3020	60	—	—	—	—	—	—
	TA 3025 Z	68	TAM 3025	73.5	—	—	—	—	—	—
TA 3030 Z	80	TAM 3030	85.5	—	—	—	—	—	—	
32	TA 3220 Z	57.5	TAM 3220	63.5	—	—	—	—	—	—
	TA 3230 Z	86	TAM 3230	97.5	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	YT 3220	71.5
35	—	—	—	—	TLA 3512 Z	27	TLAM 3512	34.5	—	—
	—	—	—	—	TLA 3516 Z	35	TLAM 3516	42.5	—	—
	—	—	—	—	TLA 3520 Z	43.5	TLAM 3520	51	—	—
	TA 3512 Z	38.5	TAM 3512	46	—	—	—	—	—	—
	TA 3515 Z	48	TAM 3515	56	—	—	—	—	—	—
	TA 3520 Z	62.5	TAM 3520	70	—	—	—	—	—	—
	TA 3525 Z	78	TAM 3525	85.5	—	—	—	—	—	—
	TA 3530 Z	97	TAM 3530	105	—	—	—	—	—	—

Note(1) 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.



TA...Z TLA...Z

TAM TLAM

YT

Boundary dimensions mm				Standard mounting dimensions mm						Basic dynamic load rating	Basic static load rating	Allowable rotational speed ⁽¹⁾	Assembled inner ring
F _w	D	C	t ₁ Max.	Shaft dia. h6		Housing bore dia. J7				C N	C ₀ N	min ⁻¹	
				Max.	Min.	Max.	Min.	Max.	Min.				
29	38	20	3.4							22 000	34 200	13 000	IRT 2520
29	38	30	3.4	29.000	28.987	38.014	37.989	—	—	34 200	60 300	13 000	IRT 2530
29	38	20	—							35 500	64 100	5 000	IRT 2520
30	37	12	2.8							10 400	16 600	12 000	—
30	37	16	2.8							14 100	24 500	12 000	—
30	37	18	2.8	30.000	29.987	—	—	36.992	36.967	16 400	29 800	12 000	—
30	37	20	2.8							18 600	35 100	12 000	IRT 2520-1
30	37	26	2.8							24 800	50 900	12 000	IRT 2526-1
30	37	38	2.8							31 900	70 200	12 000	IRT 2538-1
30	40	13	3.4							13 500	16 800	12 000	—
30	40	15	3.4							16 800	22 400	12 000	IRT 2515-1
30	40	20	3.4	30.000	29.987	40.014	39.989	—	—	24 500	36 300	12 000	IRT 2520-1
30	40	25	3.4							31 600	50 300	12 000	IRT 2525-1
30	40	30	3.4							36 700	60 700	12 000	IRT 2530-1
32	42	20	3.4							25 400	38 600	11 000	IRT 2820
32	42	30	3.4	32.000	31.984	42.014	41.989	—	—	39 500	68 400	11 000	IRT 2830
32	42	20	—							39 900	70 100	4 500	IRT 2820
35	42	12	2.8							11 600	20 000	10 000	IRT 3012
35	42	16	2.8	35.000	34.984	—	—	41.992	41.967	15 700	29 600	10 000	—
35	42	20	2.8							20 700	42 300	10 000	IRT 3020
35	45	12	3.4							14 800	19 900	10 000	IRT 3012
35	45	15	3.4							18 500	26 500	10 000	IRT 3015
35	45	20	3.4	35.000	34.984	45.014	44.989	—	—	27 000	43 100	10 000	IRT 3020
35	45	25	3.4							34 800	59 700	10 000	IRT 3025
35	45	30	3.4							40 600	72 600	10 000	IRT 3030