

Angular contact ball bearing/Locking nut ▶ Universal matching type U-type - Standard type



Please order according to the diagram

①~② Select the type and parameters in the order of for ordering

Model(①Code) — ②Bearing Type — Model(①Code) — ②Nominal Size — ③Thread pitch

YLEA

7000SU

YZBEC

M10

0.75

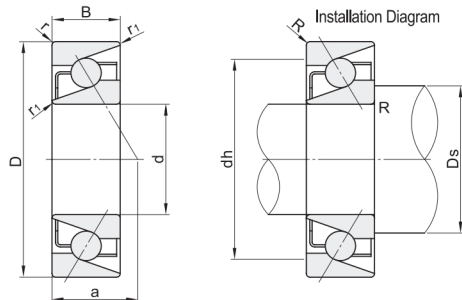
Angular contact ball bearing



CAD 2D 3D

Code	Type	Bearing Type Code	Bearing accuracy	Suffix Code	Bearing Material		Contact angle (°)
YLEA	Universal matching type	Economic type	GB/T 307.1 5 Grade	SU	GCr15	SUJ2	15
YLEB		Standard type	GB/T 307.1 4 Grade				
YLEC		Imported Type	JIS B 1514 4 Grade				

① The bearing is not lubricated during production. Please apply lubrication before use.



Notes:

- The contact angle is 15°.
- The bearing is not lubricated during production. Please apply lubrication before use.

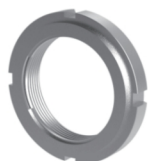
Features:

- To achieve the specified preload, it is necessary to control the width difference between the front and back surfaces simultaneously regardless of how the same nominal model of bearing is assembled. The outer ring has a "V" mark on its outer diameter surface to ensure correct installation and prevent any mistake in direction during installation.
- When using multiple rows of bearings in combination, it is recommended to use bearings with slightly different inner and outer diameter dimensions for each row.

Model		d	D	B	r min	r1 min	Basic Rated Load		Allowable Rotational Speed	Action point	Installation size			Weight(g)
Code	Bearing Model						Cr(Dynamic)/N	Cor(Static)/N	rpm(Reference)	a	Ds min	dh max	R max	(Reference)
YLEA YLEB YLEC	7000SU	10	26	8	0.3	0.15	5.3	2.49	63900	6.4	12.5	23.5	0.3	19
	7001SU	12	28				5.8	2.9	57500	6.7	14.5	25.5		21
	7002SU	15	32	9			6.25	3.4	49000	7.6	17.5	29.5		30
	7003SU	17	35	10	0.6	0.3	6.6	3.8	44300	8.5	19.5	32.5	0.6	39
	7004SU	20	42				11.1	6.55	37100	10.1	25	37		67
	7005SU	25	47	12			11.7	7.4	32000	10.8	30	42		78
	7006SU	30	55	13	1	0.6	15.1	10.3	27100	12.2	36	49	1	114
	7007SU	35	62	14			19.1	13.7	23800	13.5	41	56		151
	7008SU	40	68	15			20.6	15.9	21300	14.7	46	62		189
	7009SU	45	75				24.4	19.3	19200	16.0	51	69		238
	7010SU	50	80	16			26	21.9	17700	16.7	56	74		259

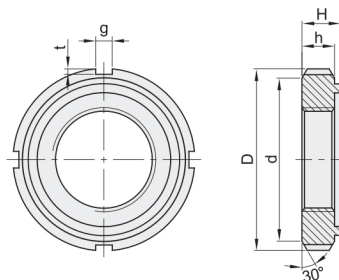
① 1Kgf=9.81N

U-type



CAD 2D 3D

Thread precision : ISO 6H
End face deflection : 0.005



Code	Type	Bearing Material		Surface Treatment
YZBEC	U-type Standard type	International	Equivalent	
YZBED		0Cr18Ni9	SUS304	—
		Q235	SS400	

Model		Pitch	D	d	h	H	g	t
Code	Nominal Size							
(SUS304) YZBEC	M10	0.75	18	13	4	5.2	3	
	M12		22	17		5.4		
	M15	1.0	25	21	5	6.5		
	M17		28	24		6.4	4	2
	M20		32	26	6	7.7		
	M25		38	32	7	9.1	5	
	M30		45	38				
	M35	1.5	52	44	8	10.2		
	M40		58	50	9	11.2		
	M45		65	56	10	12.5	6	2.5
(SS400) YZBED	M50		70	61				
	M55		75	67	11	13.5		
	M60		80	73			7	3.0
	M65		85	79				
	M70		92	85	12	15		
	M75	2.0	98	90	13	15.8		
	M80		105	95	15	18.6	8	3.5
	M85		110	102		19.2		
	M90		120	108	16	20.3		
	M95		125	113	17	21.3	10	4.0
	M100		130	120	18	22.3		