

Toothed idler
DU300
8YU

Belt Width(mm)	20	25	30	40
Common size	A=22 W=27	A=28 W=33	A=33 W=38	A=44 W=49

Main Part	Flang	Finish	Code
aluminum alloy	aluminum	Clear anodizing	AS
		Black anodized	AB
		Electroless nickel	AK
		Hard anodized	AN
S45C	Iron	Byed black	TB
		Electroless Nickel	TN

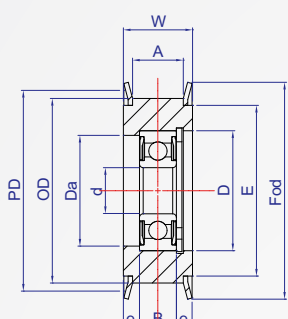
Y Single bearing Retaining ring

Z Two bearing Retaining ring

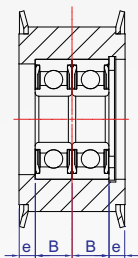
Center bearing



Two side bearing

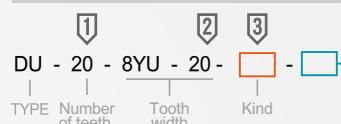


Single bearing



Two bearing

How to order



- Choose a finish
- Aluminum + White Anodized..... **AS**
 - Aluminum + Black Anodized..... **AB**
 - Aluminum + hardened anode..... **AK**
 - Aluminum + Electroless Nickel..... **AN**
 - S45C+ dyed black..... **TB**
 - S45C+ Electroless Nickel..... **TN**

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Number of teeth	Tooth width	Kind	d	P.D	O.D	E	Fod	Y Single bearing						Z Two Bearing			
								No.						No.			
								B	D	Da Max	e	C ring	B	D	Da Max		
20	8YU-20 A=22 W=27	Y (Centered)	12	50.93	49.56	40	55	6201ZZ	10	32	27	8.5	R32	6201ZZ	10	32	27
22				56.02	54.65	44	62										
24				61.12	59.74	50	70										
25			63.66	62.29	50	70	6202ZZ	11	35	30	8	R35	6202ZZ	11	35	30	
26			66.21	64.84	55	75											
28			71.3	69.93	60	80											
30			76.39	75.02	65	85	6204ZZ	14	47	41	6.5	R47	6004ZZ	12	42	38	
32		81.49	80.12	70	90												
34		86.58	85.21	75	95												
35		89.13	87.75	75	95	6304ZZ	15	52	45	6	R52	6005ZZ	12	47	43		
36		91.67	90.3	80	99												
38		96.77	95.39	85	105												
40		101.86	100.49	90	110	6205ZZ	15	52	46	6	R52	6005ZZ	12	47	43		
42		106.95	105.58	95	115												
44		112.05	110.67	98	118												
45		114.59	113.22	98	118												
18		8YU-25 A=28 W=33	Z (Sides)	12	45.84	44.46	35	50	6201ZZ	10	32	27	6.5	R32	6201ZZ	10	32
20	50.93				49.56	40	55										
22	56.02				54.65	44	62										
24	61.12			59.74	50	70	6202ZZ	11	35	30	5.5	R35	6202ZZ	11	35	30	
25	63.66			62.29	50	70											
26	66.21			64.84	55	75											
28	71.3			69.93	60	80	6004ZZ	12	42	38	4.5	R42	6004ZZ	14	47	41	
30	76.39		75.02	65	85												
32	81.49		80.12	70	90												
34	86.58		85.21	75	95	6005ZZ	12	47	43	4.5	R47	6005ZZ	12	47	43		
35	89.13		87.75	75	95												
36	91.67		90.3	80	99												
38	96.77		95.39	85	105												
40	101.86		100.49	90	110	6205ZZ	12	47	43	4.5	R47	6005ZZ	12	47	43		
42	106.95		105.58	95	115												
44	112.05		110.67	98	118												
45	114.59		113.22	98	118												
18	8YU-30 A=33 W=38	Z (Sides)	12	45.84	44.46	35	50	6201ZZ	10	32	27	6.5	R32	6201ZZ	10	32	27
20				50.93	49.56	40	55										
22				56.02	54.65	44	62										
24			61.12	59.74	50	70	6202ZZ	11	35	30	5.5	R35	6202ZZ	11	35	30	
25			63.66	62.29	50	70											
26			66.21	64.84	55	75											
28			71.3	69.93	60	80	6204ZZ	14	47	41	5	R47	6204ZZ	14	47	41	
30		76.39	75.02	65	85												
32		81.49	80.12	70	90												
34		86.58	85.21	75	95	6205ZZ	15	52	46	4	R52	6205ZZ	15	52	46		
35		89.13	87.75	75	95												
36		91.67	90.3	80	99												
38		96.77	95.39	85	105												
40		101.86	100.49	90	110	6205ZZ	15	52	46	4	R52	6205ZZ	15	52	46		
42		106.95	105.58	95	115												
44		112.05	110.67	98	118												
45		114.59	113.22	98	118												
18	8YU-40 A=44 W=49	Z (Sides)	12	45.84	44.46	35	50	—	—	—	—	—	—	6201ZZ	10	32	27
20				50.93	49.56	40	55										
22				56.02	54.65	44	62										
24			61.12	59.74	50	70	6202ZZ	11	35	30	13.5	R35	6202ZZ	11	35	30	
25			63.66	62.29	50	70											
26			66.21	64.84	55	75											
28			71.3	69.93	60	80	6204ZZ	14	47	41	10.5	R47	6204ZZ	14	47	41	
30		76.39	75.02	65	85												
32		81.49	80.12	70	90												
34		86.58	85.21	75	95	6205ZZ	15	52	46	9.5	R52	6205ZZ	15	52	46		
35		89.13	87.75	75	95												
36		91.67	90.3	80	99												
38		96.77	95.39	85	105												
40		101.86	100.49	90	110	6205ZZ	15	52	46	9.5	R52	6205ZZ	15	52	46		
42		106.95	105.58	95	115												
44		112.05	110.67	98	118												
45		114.59	113.22	98	118												