


Flanged Idlers with Teeth

L, H Type

ⓘ Tensioners can be selected from P.1530-1531. ⓘ Idler shafts (cantilever shafts) can be selected from P.912.



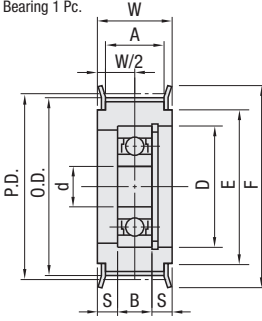
Flanged Idlers with Teeth - L, H Type

RoHS10

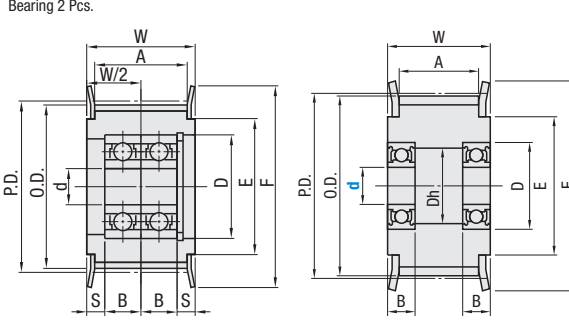
Type		Material			Surface Treatment
Center Bearing	Both Sides Bearing	Main Body	Flange	Bearing	
AATF	AATFW	Ultra Duralumin-Based Aluminum Alloy	Aluminum Alloy	Steel	Clear Anodize
—	AKTFW				Hard Clear Anodize*
BATF	BATFW	1045 Carbon Steel or Equivalent	Low Carbon Steel	Steel	Black Oxide
MATF	MATFW				Electroless Nickel Plating

*Hard Anodize Treatment: Film Hardness 300 HV min.

Center Bearing Type
Bearing 1 Pc.



Both Sides Bearing Type
Bearing 2 Pcs.



ⓘ Bearings are press-fitted. *Bearing Accuracy JIS B1514 Class 0

L Type (Center Bearing Type)

Type	Part Number		Shaft Diameter d	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			Available Types		
	Teeth	Applicable Belt									No.	D	B	AATF	BATF	MATF
AATF BATF MATF	16	L050	10	48.51	47.75	55	40	14	19	5	6200ZZx1	30	9	•	•	•
		L075						21	26	8.5				•	•	•
		L100						27	32	6				•	•	•
	18	L050	12	54.57	53.81	61	45	14	19	4.5	6201ZZx2	32	10	•	•	•
		L075						21	26	8				•	•	•
		L100						27	32	6				•	•	•
	20	L050	12	60.64	59.88	67	50	14	19	4.5	6201ZZx1	32	10	•	•	•
		L075						21	26	8				•	•	•
		L100						27	32	6				•	•	•
	22	L050	15	66.70	65.94	80	60	14	19	4	6202ZZx1	35	11	•	•	•
		L075						21	26	8				•	•	•
	30	L050	15	90.96	90.20	99	80	14	19	4	6202ZZx1	35	11	•	•	•

L Type (Both Sides Bearing Type)

Type	Part Number		Shaft Diameter d	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions			Available Types		
	Teeth	Applicable Belt									No.	D	B	AATFW	BATFW	MATFW
AATFW BATFW MATFW	14	L050	8	42.45	41.68	48	35	14	19	16.5	698ZZx2	19	6	•	•	•
		L075						21	26					•	•	•
		L100						27	32					•	•	•
	15	L050	8	45.48	44.72	48	35	14	19	16.5	698ZZx2	19	6	•	•	•
		L075						21	26					•	•	•
		L100						27	32					•	•	•
	16	L050	8	48.51	47.75	55	40	14	19	16.5	698ZZx2	19	6	•	•	•
		L075						21	26					•	•	•
		L100						27	32					•	•	•
	16	L050	10	48.51	47.75	55	40	14	19	19.5	6900ZZx2	22	6	•	•	•
		L075						21	26					•	•	•
		L100						27	32					•	•	•
18	L050	12	54.57	53.81	61	45	14	19	25	6001ZZx2	28	8	•	•	•	
	L075						21	26					•	•	•	
	L100						27	32					•	•	•	
20	L050	15	60.64	59.88	67	50	14	19	29	6002ZZx2	32	9	•	•	•	
	L075						21	26					•	•	•	
	L100						27	32					•	•	•	
22	L050	20	66.70	65.94	80	60	14	19	37	6004ZZx2	42	12	•	•	•	
	L075						21	26					•	•	•	
	L100						27	32					•	•	•	
30	L050	20	90.96	90.20	99	80	14	19	22	6901ZZx2	24	6	•	•	•	
	L075						21	26					•	•	•	
	L100						27	32					•	•	•	

Part Number Example

Both Sides Bearing Type

Type	Teeth	Applicable Belt	Type	Teeth	Applicable Belt	-	d
AATF	22	L050	BATFW	20	L100	-	15

Flanged Idlers with Teeth

L, H Type, *continued*

H Type (Center Bearing Type)

Type	Part Number		Shaft Diameter d	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions			Available Types		
	Teeth	Applicable Belt									No.	D	B	AATF	BATF	MATF
AATF BATF MATF	14	H075	12	56.60	55.22	61	45	21	26	3	6201ZZx2	32	10	•	•	•
		H100						27	32	6				•	•	•
		H150						40	45	11.5				•	•	•
	16	H075	15	64.68	63.31	70	56	21	26	3	6202ZZx2	35	11	•	•	•
		H100						27	32	6				•	•	•
		H150						40	45	11.5				•	•	•
	18	H075	15	72.77	71.39	80	60	21	26	4	6002ZZx2	32	9	•	•	•
		H100						27	32	6				•	•	•
		H150						40	45	11.5				•	•	•
	20	H075	15	80.85	79.48	87	67	21	26	4	6002ZZx2	32	9	•	•	•
		H100						27	32	6				•	•	•
		H150						40	45	11.5				•	•	•
22	H075	15	88.94	87.56	95	75	21	26	4	6002ZZx2	32	9	•	•	•	
	H100						27	32	6				•	•	•	
	H150						40	45	11.5				•	•	•	
24	H075	15	97.02	95.65	104	84	21	26	4	6002ZZx2	32	9	•	•	•	
	H100						27	32	6				•	•	•	
	H150						40	45	11.5				•	•	•	
25	H075	15	101.06	99.69	111	90	21	26	4	6002ZZx2	32	9	•	•	•	
	H100						27	32	6				•	•	•	
	H150						40	45	11.5				•	•	•	
28	H075	15	113.19	111.82	123	102	21	26	4	6002ZZx2	32	9	•	•	•	

H Type (Both Sides Bearing Type)

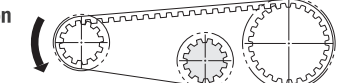
Type	Part Number		Shaft Diameter d	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions			Available Types			
	Teeth	Applicable Belt									No.	D	B	AATFW	AKTFW	BATFW	MATFW
AATFW AKTFW BATFW MATFW	14	H075	12	56.60	55.22	61	45	21	26	27	6201ZZx2	32	10	•	•	•	
		H100						27	32	•				•	•		
		H150						40	45	•				•	•		
	15	H075	15	60.64	59.27	67	50	21	26	30	6202ZZx2	35	11	•	•	•	
		H100						27	32	•				•	•		
		H150						40	45	•				•	•		
	16	H075	12	64.68	63.31	70	56	21	26	27	6201ZZx2	32	10	•	•	•	
		H100						27	32	•				•	•		
		H150						40	45	•				•	•		
	16	H075	15	64.68	63.31	70	56	21	26	25	6001ZZx2	28	8	•	•	•	
		H100						27	32	•				•	•		
		H150						40	45	•				•	•		
16	H075	15	64.68	63.31	70	56	21	26	29	6002ZZx2	32	9	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			
18	H075	20	72.77	71.39	80	60	21	26	37	6004ZZx2	42	12	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			
20	H075	20	80.85	79.48	87	67	21	26	41	6204ZZx2	47	14	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			
20	H075	20	88.94	87.56	95	75	21	26	37	6004ZZx2	42	12	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			
24	H075	25	97.02	95.65	104	84	21	26	41	6204ZZx2	47	14	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			
25	H075	25	101.06	99.69	111	90	21	26	46	6205ZZx2	52	15	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			
28	H075	25	113.19	111.82	123	102	21	26	42	6005ZZx2	47	12	•	•	•		
	H100						27	32	•				•	•			
	H150						40	45	•				•	•			

Part Number Alterations

Part Number - (FC / NFC / LFC / RFC)



AATF20L100 - FC65

Application Example



Driving Pulley Flanged Idlers with Teeth Driven Pulley

ⓘ Be sure to use the idler on the loose side.
ⓘ Install the idler as close as possible to the larger pulley.

Alteration	Flange Cut		Flange Not Swaged		Flange Swaged on One Side	
	FC	NFC	LFC	RFC	LFC / RFC	
Code	FC	NFC	LFC	RFC	LFC / RFC	
Spec.	<p>Lowers flange by cutting. FC: 0.5 mm increment</p>  <p>ⓘ No surface treatment applied on flange circumference. ⓘ FC=(O.D.)÷2 ⓘ FC≦F-2 Ordering Code: FC65</p>	<p>Flange is not installed. (Flange included)</p> 	<p>Flange installed on the retaining ring side (RFC) or the opposite side (LFC).</p> 