

Flanged Idlers with Teeth

P2M, P3M, P5M, P8M / 2GT, 3GT, 5GT, 8YU

The Shaft Bore Specs. can also be selected for idler use. **Part Numbers:** P.1381~1387, P.1409~1413
 Idler shafts (cantilever shafts) are selectable from **Part Numbers:** P.881~906.

Type				Material			Surface Treatment
P2M, P3M, P5M, P8M		2GT, 3GT, 5GT, 8YU		Main Body	Flange	Bearing	
Center Bearing	Both Sides Bearing	Center Bearing	Both Sides Bearing	(*) Aluminum Alloy	A5052	Steel	Clear Anodize
APTF	APTFW	AGTF	AGTFW	S45C Equivalent	SPCC		Hard Clear Anodize *
BPTF	BPTFW	BGTF	BGTFW				Black Oxide

*Hard Clear Anodize: Film Hardness 300HV ~
 *Bearing Accuracy: JIS B1514 Class 0 (before press-fitting)
 *Bearings are press-fitted.
 (*1) Body material of P8M is A7075.

• Center Bearing
-<Bearing 1 pc.>

<-Bearing 2 pcs.>

Part Number		Shaft Dia.	P.D.	O.D.	F		E		A	W	S	Bearing Dimensions			Unit Price		
Type	Number of Teeth	Applicable Belt	d		APTF	BPTF	APTF	BPTF				No.	D	B	APTF	BPTF	
APTF BPTF	40	P2M060	6	25.46	24.96	32	-	23	-	7.5	11.5	3.25	696ZZx1	15	5	-	-
	30	P3M100	6	28.65	27.89	35	35	25	25	12	16	5	626ZZx1	19	6	-	-
		P3M150	6	28.65	27.89	35	35	25	25	17	21	4.5	626ZZx2	19	6	-	-
	20	P5M100	8	31.83	30.69	35	-	25	-	11.6	16	5	698ZZx1	19	6	-	-
		P5M150	8	31.83	30.69	35	-	25	-	16.6	21	4.5	698ZZx2	19	6	-	-
	28	P5M100	10	44.56	43.42	50	50	38	38	11.6	16	3.5	6200ZZx1	30	9	-	-
		P5M150	10	44.56	43.42	50	50	38	38	16.6	21	6	6200ZZx1	30	9	-	-
	20	P8M150	12	50.93	49.56	55	-	40	-	16.8	22	6	6201ZZx1	32	10	-	-
		P8M250	15	50.93	49.56	55	-	40	-	27.8	33	5.5	6202ZZx2	35	11	-	-
	24	P8M250	12	61.12	59.74	67	-	50	-	27.8	33	6.5	6201ZZx2	32	10	-	-
		P8M150	15	61.12	59.74	67	-	50	-	16.8	22	5.5	6202ZZx1	35	11	-	-
	30	P8M250	15	76.39	75.02	83	83	63	63	27.8	33	5.5	6202ZZx2	35	11	-	-
P8M150		15	76.39	75.02	83	83	63	63	27.8	33	5.5	6202ZZx2	35	11	-	-	

Radial G dimensions of the opening on the hub side are the same as D dimensions.

Part Number		Shaft Dia.	P.D.	O.D.	F		E		A	W	Dh	Bearing Dimensions			Unit Price								
Type	Number of Teeth	Applicable Belt	d		APTFW	KPTFW	BPTFW	APTFW	KPTFW	BPTFW		No.	D	B	APTFW	KPTFW	BPTFW						
APTFW KPTFW BPTFW	25	P5M100	6	39.79	38.65	44	44	32	11.6	16	13	696ZZx2	15	5	-	-	-						
		P5M150	6															16.6	21	16.5	698ZZx2	19	6
		P5M100	8																				
		P5M150	8															16.6	21	19.5	6900ZZx2	22	6
	28	P5M100	10	44.56	43.42	50	50	38	38	11.6	16	19.5	6900ZZx2	22	6	-	-						
		P5M150	10	44.56	43.42	50	50	38	38	16.6	21	19.5	6900ZZx2	22	6	-	-						
	30	P5M150	12	47.75	46.60	-	55	-	40	16.6	21	24	6001ZZx2	28	8	-	-						
		P5M150	15	57.30	56.15	-	67	-	50	16.6	21	28	6002ZZx2	32	9	-	-						
	26	P8M150	12	66.21	64.84	74	74	58	58	16.8	22	24	6001ZZx2	28	8	-	-	-					
																			P8M250	12	66.21	64.84	74
		30	P8M150	15	76.39	75.02	83	83	63	63	16.8	22	28	6002ZZx2	32	9	-	-	-				
																				P8M250	20	76.39	75.02

Alterations Part Number - (FC, NFC, LFC, RFC)
 APTF30P8M250 - NFC

Alterations Code	Flange Cut	No Flange	Single Flange
	FC	NFC	LFC, RFC
Spec.	Lowers flange by cutting. FC: 0.5mm Increment FC=(O. D.)÷1 FC=F-2 (Ordering Code) FC35	Flange is not installed. (Flange Included)	Flange installed by swaging only on either hub side (RFC) or the opposite side (LFC) at the time of shipment. (Flange 1 pc. Included)

Part Number		Shaft Dia.	P.D.	O.D.	F	E	A	W	S	Bearing Dimensions				Unit Price 1 ~ 9 pc(s).		
Type	Number of Teeth	Applicable Belt	d							No.	D	B	G	AGTF	BGTF	
AGTF BGTF	40	GT2060	6	25.46	24.96	30	21	7.0	10.3	2.15	606ZZx1	17	6	17	-	-
		GT2090	6	25.46	24.96	30	21	10.0	13.3	3.65	606ZZx1	17	6	17	-	-
	30	GT3060	6	28.65	27.89	32	23	7.3	11.0	2.50	606ZZx1	17	6	17	-	-
		GT3090	6	28.65	27.89	32	23	10.3	14.0	4.00	606ZZx1	17	6	17	-	-
	20	GT5090	8	31.83	30.69	35	24	10.3	14.0	4.00	698ZZx1	19	6	19	-	-
		GT5120	8	31.83	30.69	35	24	13.3	17.0	5.50	698ZZx1	19	6	19	-	-
	24	GT5090	10	38.20	37.06	42	30	10.3	14.0	4.50	6800ZZx1	19	5	20	-	-
		GT5120	10				30	13.3	17.0	3.50	6800ZZx2	19	5	20	-	-
	28	GT5090	10	44.56	43.42	48	36	10.3	14.0	4.50	6800ZZx1	19	5	20	-	-
							GT5120	10	36	13.3	17.0	6.00	6800ZZx1	19	5	20
	30	GT5090	12	47.75	46.61	51	39	10.3	14.0	4.50	6801ZZx1	21	5	22	-	-
							GT5120	12	39	13.3	17.0	6.00	6801ZZx1	21	5	22
	20	YU8150	20	50.93	49.56	62	40	16.7	23.0	8.00	6804ZZx1	32	7	34	-	-
							YU8200	20	40	21.7	28.0	7.00	6804ZZx2	32	7	34
	30	YU8150	25	76.39	75.02	85	64	16.7	23.0	8.00	6805ZZx1	37	7	38	-	-
							YU8200	25	64	21.7	28.0	7.00	6805ZZx2	37	7	38
		YU8250	25	76.39	75.02	85	64	26.7	33.0	9.50	6805ZZx2	37	7	38	-	-
							YU8250	25	64	26.7	33.0	9.50	6805ZZx2	37	7	38

For orders larger than indicated quantity, please request a quotation.

Part Number		Shaft Dia.	P.D.	O.D.	F	E	A	W	Dh	Bearing Dimensions			Unit Price 1 ~ 9 pc(s).		
Type	Number of Teeth	Applicable Belt	d							No.	D	B	AGTFW	BGTFW	
AGTFW BGTFW	30	GT2040	5	19.10	18.59	24	15	5.0	8.3	7	675ZZx2	8	2.5	-	-
		GT2060	5				15	7.0	10.3	7	675ZZx2	8	2.5	-	-
		GT2090	5				15	10.0	13.3	7	675ZZx2	8	2.5	-	-
	20	GT3090	5	19.10	18.34	23	14	10.3	14.0	7	675ZZx2	8	2.5	-	-
							GT3150	5	14	16.3	20.0	7	675ZZx2	8	2.5
	24	GT3090	6	22.92	22.16	26	18	10.3	14.0	9	676ZZx2	10	3	-	-
							GT3150	6	18	16.3	20.0	9	676ZZx2	10	3
	30	GT3090	8	28.65	27.89	32	23	10.3	14.0	11	678ZZx2	12	3.5	-	-
							GT3150	8	23	16.3	20.0	11	678ZZx2	12	3.5
	20	GT5120	8	31.83	30.69	35	24	13.3	17.0	11	678ZZx2	12	3.5	-	-
							GT5150	8	24	16.3	20.0	11	678ZZx2	12	3.5
	30	GT5120	8	47.75	46.61	51	39	13.3	17.0	11	678ZZx2	12	3.5	-	-
							GT5150	12	39	16.3	20.0	18.5	6801ZZx2	21	5
	32	GT5120	12	50.93	49.79	55	42	13.3	17.0	18.5	6801ZZx2	21	5	-	-
							GT5150	12	42	16.3	20.0	18.5	6801ZZx2	21	5
	36	GT5120	15	57.30	56.16	61	49	13.3	17.0	21.5	6802ZZx2	24	5	-	-
							GT5150	15	49	16.3	20.0	21.5	6802ZZx2	24	5
	30	YU8200	25	76.39	75.02	85	64	21.7	28.0	34.5	6805ZZx2	37	7	-	-
							YU8250	25	64	26.7	33.0	34.5	6805ZZx2	37	7

For orders larger than indicated quantity, please request a quotation.

Ordering Example

• Center Bearing

Type	Number of Teeth	Applicable Belt
APTF	20	P5M100
AGTF	30	GT5090

• Both Sides Bearing

Type	Number of Teeth	Applicable Belt
APTFW	25	P5M150
AGTFW	20	GT3090

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.