

Idler Pins

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Tensioner Units with Idler

Height Configurable

■ Features: Tools needed to attach idler sprockets are sold as a set.

Part Name	Type	
	IDP	IDPS
Idler Pins	S45C Equivalent	
Hex Socket Head Cap Screw	SCM435	Black Oxide
Nut, Plain Washer	SS400	Stainless Steel
Spring Washer	SWRH57	

Part Number	Bearing No.	Type	A Selection	B Selection 5mm Increment	Applicable Bearing	Pin Body Size											Max. Allowable Load N (kgf)	Unit Price		
						L	F	V/6	D	d	M	K	H	T	t	t'		h	IDP	IDPS
IDP (Steel) IDPS (Stainless Steel)	6000	S	12	30~40	6000ZZ (b=8)	A+3.8	7.8	10	16	6.2	M6	6	10	5.0	1.6	1.5	12.5	323 (33)		
			14, 16	35~45																
			18, 20	40~50																
		W	16, 18	45~55		A+11.8	15.8											274 (28)		
			20	50~60																
	6001	S	14	35~45	6001ZZ (b=8)	A+3.8	7.8	12	16	8.2	M8	8	13	6.5	1.6	2.0	17.0	548 (56)		
			16, 18, 20	40~50																
			22	45~55																
		W	14, 16	45~55		A+11.8	15.8											441 (45)		
			18, 20, 22	50~60																
6201	S	14	35~45	6201ZZ (b=10)	A+4.8	9.8	12	16	8.2	M8	8	13	6.5	1.6	2.0	17.0	548 (56)			
		16, 18	40~50																	
		20, 22	45~55																	
	W	14	45~55		A+14.8	19.8											441 (45)			
		16, 18	50~60																	
		20, 22	55~65																	
6202	S	16, 18, 20	45~55	6202ZZ (b=11)	A+5.3	10.8	15	20	10.5	M10	10	16	8.0	2.0	2.5	21.0	999 (102)			
		22, 24	50~60																	
		16, 18	55~65																	
	W	20, 22	60~70		A+16.3	21.8											803 (82)			
		24	65~75																	
6203	S	16, 18	45~55	6203ZZ (b=12)	A+5.8	11.8	17	25	10.5	M10	10	16	8.0	2.0	2.5	21.0	1244 (127)			
		20, 22, 24	50~60																	
		16	55~65																	
	W	18, 20, 22	60~70		A+17.8	23.8											990 (101)			
		24	65~75																	
6204	S	20, 22	55~65	6204ZZ (b=14)	A+6.8	13.8	20	25	14.5	M14	14	21	11.0	2.5	3.5	28.0	1989 (203)			
		24, 26	60~70																	
		28, 30	65~75																	
	W	20, 22	70~80		A+20.8	27.8											1617 (165)			
		24, 26, 28	75~85																	
		30	80~90																	

Ordering Example: Part Number - A - B
IDP6000S - 16 - 35

■ Features: The following bidirectional tension adjustment is available: "Push" direction and "Pull" direction. This unit and idler are assembled in a set before delivery.

Part Name	Material	Surface Treatment
Base Block	SS400	
Idler Shaft	S45C	Black Oxide
Adjustment Screw		
Nut		
Washer		
Idler Sprocket	S35C Equivalent (Induction Hardened Teeth Tip)	

One Point: By using the adjustment screw coupled to the idler shaft machined with the tapped hole, tension can be adjusted bidirectionally: "Push" and "Pull." Since the adjustment screw is structured with the dual support frame, it prevents the idler shaft from being inclined and facilitates tension adjustment.

Part Number	Number of Teeth	H 1mm Increment	h (Max.)	M1	M2	Travel per Handle Rotation (mm)	d	A	B	T	X1	X2	Y1	Y2	a	d1	d2	L	C	B1	B2	Unit Price																																
TSUB	35	16	25~45	59.2	8	1.0	12	80	50	12	7.5	65	7.5	35	10.5	11	6.5	6.5	7	4	10																																	
		18		63.2	10																																																	
	40	13	30~50	64.2	8		1.25																12	90	60	12	70	45																										
		15		68.2	10																																																	
	50	13	35~55	73.2	10																		8																15															
		17		76.2	12																																																	
	60	11	40~60	78.2	10			15																																														
		14		84.2	14																																																	

Idler Specifications

No.	Number of Teeth	Shaft Dia.	Dp	Do	t	Bearing Part No.
35	16	12	48.82	54	4.3	6001ZZ
	18	15	54.85	60		6202ZZ
40	13	12	53.07	59	7.2	6001ZZ
	15	15	61.08	67		6202ZZ
50	13	15	77.16	84	8.7	6204ZZ
	15	17	76.35	84		6203ZZ
60	17	20	86.39	94	11.7	6204ZZ
	11	15	67.62	76		6202ZZ
	14	20	85.61	95		6204ZZ

For details, see P.1550 on this catalog.

Ordering Example: Part Number - Number of Teeth - H
TSUB35 - 16 - 40

Tension Adjustment Method:
 ① Loosen the nut.
 ② Adjust tension by using the adjustment screw.
 ③ Tighten the nut.