
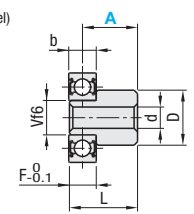


# Idler Pins

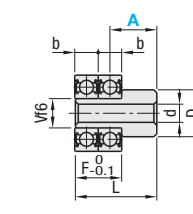
■ **Features:** Tools needed to attach idler sprockets are sold as a set.



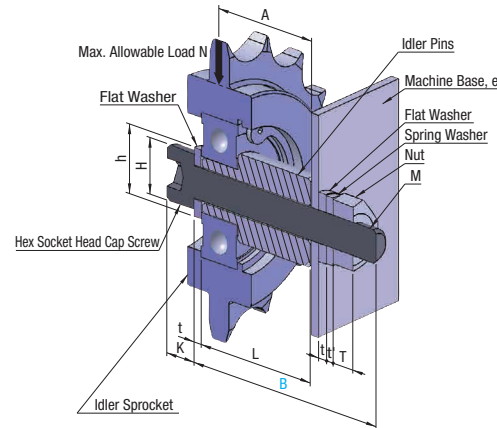
**IDP** (Steel)  
**IDPS** (Stainless Steel)



**Type S**



**Type W**



Part Name	Type	
	IDP	IDPS
Idler Pins	<b>M</b> Material EN 1.1191 Equiv.	<b>M</b> Material EN 1.1191 Equiv.
Hex Socket Head Cap Screw	EN 1.7220 Equiv.	Black Oxide
Nut, Plain Washer	EN 1.0038 Equiv.	Stainless Steel
Spring Washer	JIS-SWRH57	

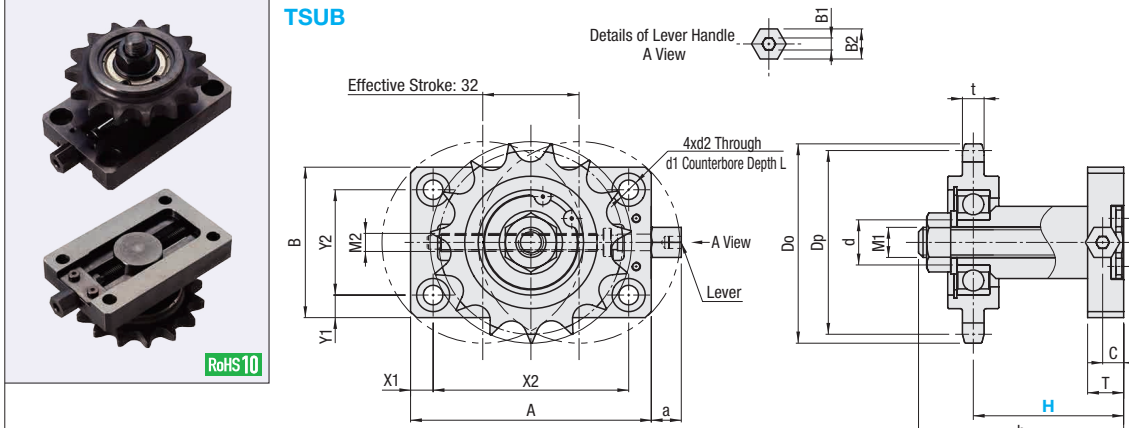
Part Number	Bearing No.	Type	A Selection	B Selection 5mm Increment	Applicable Bearing	Pin Body Size		Size of Screw, Washer										Max. Allowable Load N (kgf)	Unit Price															
						L	F	V/6	D	d	M	K	H	T	t	t'	h		IDP	IDPS														
<b>IDP</b> (Steel)	6000	S	12	30~40	6000ZZ (b=8)	A+3.8	7.8	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														548 (56)	12	16	8.2	M8	8	13	6.5	1.6	2.0	17.0	441 (45)		
			20	50~60																														
			22	55~65																														
<b>IDPS</b> (Stainless Steel)	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														548 (56)	12	16	8.2	M8	8	13	6.5	1.6	2.0	17.0	441 (45)		
			18, 20, 22	50~60																														
			24	55~65																														
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)	12	16	8.2	M8	8	13	6.5	1.6	2.0	17.0	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																														
			24	65~75																														
		W	16, 18	55~65		A+16.3	21.8														803 (82)	15	20	10.5	M10	10	16	8.0	2.0	2.5	21.0	803 (82)		
			20, 22	60~70																														
			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																														
			24	65~75																														
		W	16	55~65		A+17.8	23.8														990 (101)	17	25	10.5	M10	10	16	8.0	2.0	2.5	21.0	990 (101)		
			18, 20, 22	60~70																														
			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)	20	25	14.5	M14	14	21	11.0	2.5	3.5	28.0	1617 (165)		
			24, 26, 28	75~85																														
			30	80~90																														

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

# Tensioner Units with Idler

## Height Configurable

■ **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	EN 1.0038 Equiv.	
Idler Shaft	EN 1.1191 Equiv.	Black Oxide
Adjustment Screw	EN 1.1191 Equiv.	Black Oxide
Nut		
Washer		
Idler Sprocket	EN 1.1181 Equiv. (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																
<b>TSUB</b>	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																																	
		15		68.2	10																																	
	50	13	35~55	73.2	10		8																20	90	60	16	10	70	10	40	15.5	14	8.5	8.5	8	5	13	
		17		76.2	12																																	
	60	11	40~60	78.2	10																																	
		14		84.2	14																																	

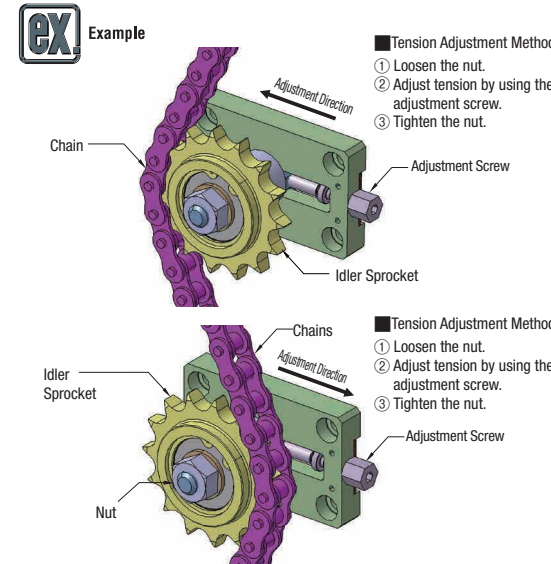
### Idler Specifications

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	66.34	74	8.7	6202ZZ
	15	17	76.35	84		6203ZZ
60	11	15	67.62	76	11.7	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**

**Example**



■ **Tension Adjustment Method**

- Loosen the nut.
- Adjust tension by using the adjustment screw.
- Tighten the nut.