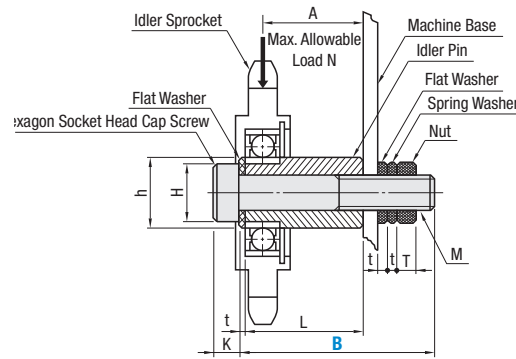
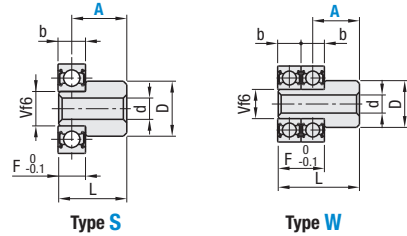


Idler Pins



RoHS 10
IDP
IDPS (Stainless Steel or Equivalent)



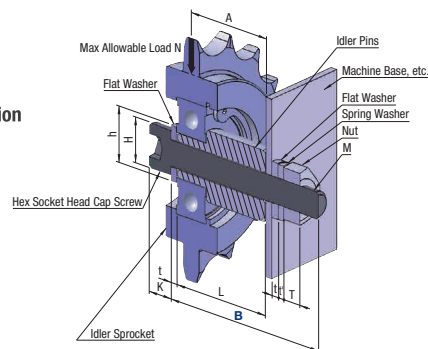
Part Name	Type		
	IDP	Material	Surface Treatment
Idler Pins	1045 Carbon Steel or Equivalent		Black Oxide
Hex Socket Head Cap Screw	4137 Alloy Steel or Equivalent		Stainless Steel or Equivalent
Nut, Plain Washer	1018 Carbon Steel or Equivalent		
Spring Washer	SWRH57 High Carbon Wire Steel (JIS)		

Part Number	Type	Bearing No.	Type	A Selection	B Selection 5 mm Increment	Applicable Bearings	Pin Body Size											Max. Allowable Load N (kgf)	Available Types									
							L	F	V _b	D	d	M	K	H	T	t	t'		h	IDP	IDPS							
IDP IDPS Stainless Steel or Equivalent	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)	•	•								
																					W	16, 18	45-55	A+11.8	15.8	274 (28)	•	—
		W	14, 16, 18, 20, 22	45-55	A+11.8	15.8	441 (45)	•	—																			
										S	14, 16, 18, 20, 22	45-55	A+4.8	9.8	12	16	8.2	M8	8	13	6.5	1.6	2.0	17.0	548 (56)	•	•	
		W	14, 16, 18, 20, 22	45-55	A+14.8	19.8	441 (45)	•	—																			
	S									16, 18, 20, 22, 24	45-55	A+5.3	10.8	15	20	10.5	M10	10	16	8.0	2.0	2.5	21.0	999 (102)	•	•		
		W	16, 18, 20, 22, 24	55-65	A+16.3	21.8	803 (82)	•	—																			
	S									16, 18, 20, 22, 24	45-55	A+5.8	11.8	17	25	10.5	M10	10	16	8.0	2.0	2.5	21.0	1244 (127)	•	•		
		W	16, 18, 20, 22, 24	55-65	A+17.8	23.8	990 (101)	•	—																			
	S									20, 22, 24, 26, 28	55-65	A+6.8	13.8	20	25	14.5	M14	14	21	11.0	2.5	3.5	28.0	1989 (203)	•	•		
		W	24, 26, 28, 30	75-85	A+20.8	27.8	1617 (165)	•	—																			
S	20, 22, 24, 26, 28, 30									55-65	A+5.8	11.8	17	25	10.5	M10	10	16	8.0	2.0	2.5	21.0	1244 (127)	•	•			
		W	16, 18, 20, 22, 24	55-65	A+17.8	23.8	990 (101)	•	—																			
S	20, 22, 24, 26, 28, 30									55-65	A+6.8	13.8	20	25	14.5	M14	14	21	11.0	2.5	3.5	28.0	1989 (203)	•	•			
		W	24, 26, 28, 30	75-85	A+20.8	27.8	1617 (165)	•	—																			

- ⊕ Ensure that load applied to the idler does not exceed max allowable load.
- ⊕ This idler pin is not designed for applications that have impact load or reversing operation.
- ⊕ For Cantilever Shaft under large load, refer to P.914-937.

Part Number Example: IDP6000S - 16 - 35

Application Example



Idler Sprockets with Hub

35B, 40B, 50B, 60B Series

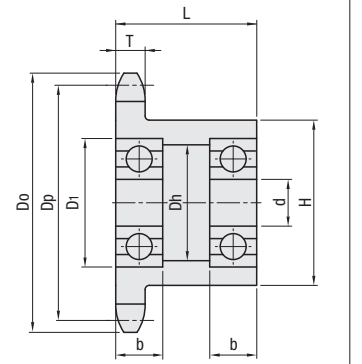
Feature: The Idlers which bearings are built-in on both sides of general purpose sprockets.

Idler Sprockets with Hub - 35B, 40B, 50B, 60B Series



Type	Material		Surface Treatment
	Main Body	Bearing	
DRCBW	1045 Carbon Steel or Equivalent (Induction Hardened Teeth Tip)	Steel	Black Oxide
DRCBSW	304 Stainless Steel or Equivalent	Stainless Steel or Equivalent	—

For Cantilever Shaft, refer to P.914-937.
For non-drive shaft side tension adjustments, please see Tensioner Unit on P.1253-1255.



*Bearing Accuracy JIS B1514 Class 0
⊕ Bearings are press-fit.

Part Number	Type	No.	No. of Teeth	d	Dp	Do	Dh	Hub		T	Bearing Dimension			Available Types						
								H	L		No.	D _i	b	DRCBW	DRCBSW					
DRCBW 1045 Carbon Steel or Equivalent Induction Hardened Teeth Tip	35	35	10	10	30.82	34	13	*24.5	20	4.3	6700ZZ	15	4	•	•					
			12	12	36.80	41	18	*30.5			6801ZZ	21	5	•	•					
			13	12	39.80	44	18	*32			6801ZZ	21	5	•	•					
			14	12	42.81	47	21	32			6901ZZ	24	6	•	•					
			15	12	45.81	51	24	35			6001ZZ	28	8	•	•					
			16	12	48.82	54	24	37			6001ZZ	28	8	•	•					
			18	15	54.85	60	28	44			6002ZZ	32	9	•	•					
			20	15	60.89	66	28	50			6002ZZ	32	9	•	•					
			21	15	63.91	69	28	53			6002ZZ	32	9	•	•					
			25	20	76	81	34	53			6904ZZ	37	9	•	•					
			32	20	97.18	102	34	53			6904ZZ	37	9	•	•					
			10	12	41.10	46	18	*32			6801ZZ	21	5	•	•					
	DRCBSW 304 Stainless Steel or Equivalent	40	40	11	12	45.08	51	21	*36	22	7.2	6901ZZ	24	6	•	•				
				12	12	49.07	55	24	*40			6001ZZ	28	8	•	•				
				13	12	53.07	59	24	37			6001ZZ	28	8	•	•				
				14	12	57.07	63	24	42			6001ZZ	28	8	•	•				
				15	15	61.08	67	28	46			6002ZZ	32	9	•	•				
				16	15	65.1	71	28	50			6002ZZ	32	9	•	•				
				17	20	69.12	76	34	54			6904ZZ	37	9	•	•				
				18	20	73.14	80	34	57			6904ZZ	37	9	•	•				
				19	20	77.16	84	34	62			6904ZZ	37	9	•	•				
				20	25	81.18	88	36	67			6905ZZ	42	9	•	•				
				24	25	97.3	104	36	63			6905ZZ	42	9	•	•				
				25	25	101.33	108	36	63			6905ZZ	42	9	•	•				
35	50	50	12	15	61.34	69	29	*50	25	8.7	6202ZZ	35	11	•	•					
			14	15	71.34	79	29	52			6202ZZ	35	11	•	•					
			15	20	76.35	84	34	57			6904ZZ	37	9	•	•					
			17	20	86.39	94	34	67			6904ZZ	37	9	•	•					
			18	25	91.42	100	41	72			6005ZZ	47	12	•	•					
			20	25	101.48	110	41	73			6005ZZ	47	12	•	•					
			24	30	121.62	130	48	73			6006ZZ	55	13	•	•					
			28	35	141.79	150	49	73			6907ZZ	55	10	•	•					
			35	60	60	12	15	73.6			83	29	51	32	11.7	6202ZZ	35	11	•	—
						14	20	85.61			95	40	62			6204ZZ	47	14	•	—
						15	20	91.62			101	40	68			6204ZZ	47	14	•	—
						17	25	103.67			113	45	73			6205ZZ	52	15	•	—
19	30	115.74				126	55	83	6206ZZ	62	16	•	—							
20	30	121.78				132	55	83	6206ZZ	62	16	•	—							
22	30	133.86				144	55	83	6206ZZ	62	16	•	—							
25	35	151.99				162	60	83	6207ZZ	72	17	•	—							
30	35	182.25				193	60	83	6207ZZ	72	17	•	—							

⊕ Sprockets marked with * have grooves on hub O.D.

Part Number Example: DRCBW50 - 20, DRCBSW40 - 25

Application Example

