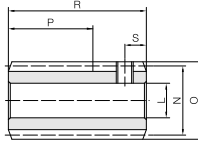




Specifications	
Precision grade	KHK W 001 grade 4
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	SUS303
Heat treatment	—
Tooth hardness	(less than 187HB)



W2

Catalog Number	Normal module	Number of Starts	Nominal lead angle	Direction of helix	Shape	Bore		Pitch dia.	Outside dia.	Face width	Hub width	Total length
						L <sub>H</sub>	M					
SUW0.5-R1 SUW0.5-R2	m0.5	1 2	2°36' 5°13'	R	W2	5	—	11	12	(10)	—	18
SUW0.8-R1 SUW0.8-R2	m0.8	1 2	3°17' 6°34'	R	W2	6	—	14	15.6	(18)	—	30

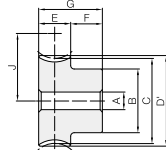
[Caution on Product Characteristics] ① Set screws are included with W2 products. Set the mating wheel so that it does not interfere with the set screws.  
② These worms produce axial thrust forces. Please see Page 390 for more details.

Socket head screw		Weight (kg)	Catalog Number
Size	S		
M3	3	0.010	SUW0.5-R1 SUW0.5-R2
M4	5	0.029	SUW0.8-R1 SUW0.8-R2

[Caution on Secondary Operations] ① Please read "Cautions on Performing Secondary Operations" (Page 390) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK system for quick modification of KHK stock gears, is also available.



Specifications	
Precision grade	KHK W 002 grade 5
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	Polyacetal
Heat treatment	—
Tooth hardness	—



HA

Catalog Number	Reduction ratio	Normal module	No. of teeth	No. of starts of mating worm	Lead angle	Direction of helix	Shape	Bore		Hub dia.	Pitch dia.	Throat dia.	Outside dia.	Face width								
								A <sub>0.00</sub>	B													
DG0.5-20R1 DG0.5-20R2 DG0.5-30R1 DG0.5-30R2 DG0.5-40R1	20 10 30 15 40	m0.5	20 20 30 30 40	1 2 1 2 1	2°36' 5°13' 2°36' 5°13' 2°36'	R	HA	4 4 4 4 5	9 9 12 12 15	20.01 10.04 15.02 15.06 20.02	—	11 11 16 16 21	5									
DG0.5-50R1 DG0.5-60R1	50 60		50 60	1 1	2°36' 2°36'			5 5	20 25					25.03 30.03	26 31							
DG0.8-20R1 DG0.8-20R2 DG0.8-30R1 DG0.8-30R2 DG0.8-40R1	20 10 30 15 40		m0.8	20 20 30 30 40	1 2 1 2 1			3°17' 6°34' 3°17' 6°34' 3°17'	R					HA	5 5 5 5 6	12 12 18 18 20	16.03 16.11 24.04 24.16 32.05	—	17.6 17.6 25.6 25.6 33.6	9		
DG0.8-50R1 DG0.8-60R1	50 60			50 60	1 1			3°17'							8	25					40.07 48.08	41.6 49.6

[Caution on Product Characteristics] ① The worm wheel is shifted to fit the mounting distance.  
② The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 386 for more details.  
③ Since the bore is finished with negative tolerance, it can be driven into the shaft and used as is.



Hub width	Total length	Mounting distance	Allowable torque (N·m)		Backlash (mm)	Weight (g)	Catalog Number
			Bending strength	Bending strength			
7	12	10.5	0.067	0.0068	0~0.16	1.01	DG0.5-20R1 DG0.5-20R2 DG0.5-30R1 DG0.5-30R2 DG0.5-40R1
			0.067	0.0069			
			0.11	0.011			
			0.11	0.011			
			0.16	0.016			
9	18	15	0.21	0.022	0.04~0.22	3.73	DG0.8-20R1 DG0.8-20R2 DG0.8-30R1 DG0.8-30R2 DG0.8-40R1
			0.26	0.027			
			0.31	0.032			
			0.52	0.053			
			0.74	0.076			
27	31	0.98	0.10	0.12	21.6	28.8	DG0.8-50R1 DG0.8-60R1
			1.21				

[Caution on Secondary Operations] ① Please read "Cautions on Performing Secondary Operations" (Page 390) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK system for quick modification of KHK stock gears, is also available.