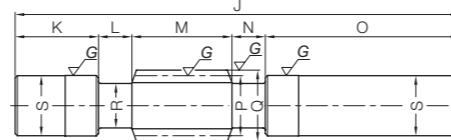




Specifications	
Precision grade	KHK W 001 grade 2
Reference section of gear	Axial direction
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coated except for ground part



W6

* For products not categorized in our KHK Stock Gear series, custom gear production services with short lead times are available. Please see Page 26 for more details about custom-made orders.

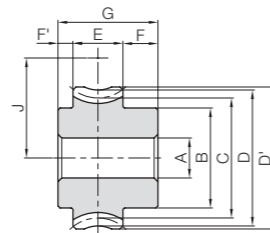
Catalog Number	Axial module	Number of Starts	Nominal lead angle	Direction of helix	Shape	Total Length		Neck length (left)	Face width	Neck length (right)	Shaft length (R)	Pitch dia.
						J	K					
KWG2-R1 KWG2-R2	m2	1 2	5°12' 10°18'	R	W6	200	35	25	40	25	75	22
KWG2.5-R1 KWG2.5-R2	m2.5	1 2	4°46' 9°28'	R	W6	250	50	27	46	27	100	30

Outside dia.	Neck dia.	Shaft dia.	Weight (kg)	Catalog Number
Q	R	S		
26	17	25.2	0.64	KWG2-R1 KWG2-R2
35	23	30.2	1.27	KWG2.5-R1 KWG2.5-R2

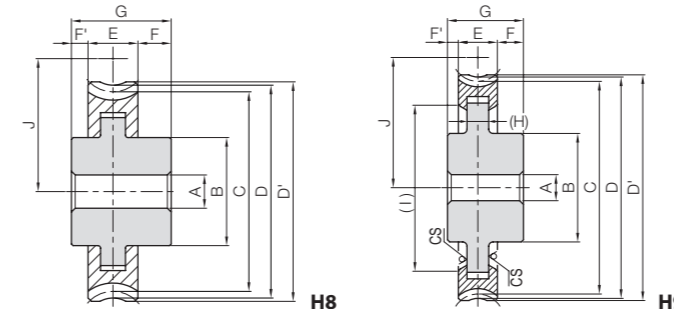
AGF Module 2, 2.5
Worm Wheels



Specifications	
Precision grade	KHK W 002 grade 2
Reference section of gear	Rotating plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	CAC702 (old JIS A & BC2) *
Heat treatment	—
Tooth hardness	—



H6



H8

H9

* CS has a forged finish surface.



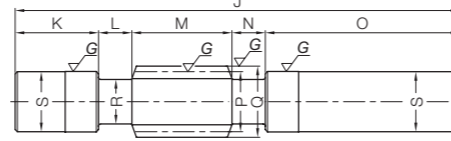
* The hub material of H8 and H9 is FC200. FC200's tensile strength (200N/mm²) is derived from test specimens and does not represent that of the boss.

Catalog Number	Reduction ratio	Transverse module	No. of teeth	No. of starts of mating worm	Profile shift coefficient	Lead angle	Direction of helix	Shape	Bore		Pitch dia.	Throat dia.	Outside dia.	Face width	Hub width (right)	Hub width (left)									
									A _{H7}	B															
AGF2-20R1 AGF2-20R2 AGF2-25R1 AGF2-30R1 AGF2-30R2	20 10 25 30 15	m2	20 20 25 30 30	1 2 1 1 2	-0.5	5°12' 10°18' 5°12' 5°12' 10°18'	R	H6	12	32 32 35 38 38	40 40 50 60 60	42 42 52 62 62	44 44 54 64 64	18	12	5									
AGF2-36R1 AGF2-40R1 AGF2-50R1 AGF2-60R1	36 40 50 60		36 40 50 60	1		0 -0.5 -0.5 -0.5				5°12'	H6 H8 H9 H9	40 45 50 50	72 80 100 120				76 82 102 124	78 84 104 124							
AGF2.5-20R1 AGF2.5-20R2 AGF2.5-25R1 AGF2.5-30R1 AGF2.5-30R2	20 10 25 30 15		m2.5	20 20 25 30 30		1 2 1 1 2				0	4°46' 9°28' 4°46' 4°46' 9°28'	R	H6				12	35 35 40 40 40	50 50 62.5 75 75	55 55 67.5 80 80	57.5 57.5 70 82.5 82.5	20	15	5	
AGF2.5-40R1 AGF2.5-50R1 AGF2.5-60R1	40 50 60			40 50 60		1					4°46'							H8 H9 H9	45 55 60	100 125 150	105 130 155				107.5 132.5 157.5

Total length	Web thickness	Web O.D.	Mounting distance	Allowable torque (N·m) NOTE 1							Backlash (mm)	Weight (kg)	Catalog Number	
				30 rpm	100 rpm	300 rpm	600 rpm	900 rpm	1200 rpm	1800 rpm				
35	—	—	30	19.4	16.1	12.8	10.5	9.30	8.49	7.31	0.06~0.16	0.25	AGF2-20R1	
				30	19.9	16.1	12.2	9.99	8.75	7.92			6.74	AGF2-20R2
				35	29.4	24.5	19.6	16.3	14.4	13.2			11.4	AGF2-25R1
				40	41.1	34.5	27.7	23.2	20.7	18.8			16.4	AGF2-30R1
				40	42.3	35.0	27.0	22.1	19.9	17.7			15.4	AGF2-30R2
				47	57.8	48.6	39.3	33.2	29.6	27.0			23.6	AGF2-36R1
				50	70.3	59.2	48.1	40.7	36.4	33.2			28.9	AGF2-40R1
40	—	—	40	106	89.5	73.4	62.5	56.2	51.5	44.9	0.06~0.16	1.14	AGF2-50R1	
				149	126	103	88.4	80.3	73.3	64.2			AGF2-60R1	
				40	35.1	29.0	22.6	18.6	16.3	14.8			12.8	AGF2.5-20R1
				40	34.6	27.9	20.9	17.1	14.8	13.4			11.3	AGF2.5-20R2
				46.25	53.0	43.9	34.8	28.9	25.3	23.0			20.0	AGF2.5-25R1
				52.5	74.1	62.0	49.1	41.2	36.7	32.8			28.7	AGF2.5-30R1
				52.5	73.6	60.6	46.2	37.8	33.2	29.9			25.8	AGF2.5-30R2
40	—	—	65	127	106	85.4	72.4	63.7	57.9	50.5	1.42	AGF2.5-40R1		
				77.5	192	161	130	111	98.4	90.0		78.3	AGF2.5-50R1	
				90	268	226	183	157	141	128		112	AGF2.5-60R1	
				(13)	(13)	(125)								



Specifications	
Precision grade	KHK W 001 grade 2
Reference section of gear	Axial direction
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coated except for ground part



W6

Catalog Number	Axial module	Number of Starts	Nominal lead angle	Direction of helix	Shape	Total Length	Shaft length (L)	Neck length (left)	Face width	Neck length (right)	Shaft length (R)	Pitch dia.
						J	K	L	M	N	O	P
KWG3-R1	m3	1	4°31'	R	W6	300	55	30	60	30	125	38
KWG3-R2		2	8°58'									
KWG4-R1	m4	1	5°43'	R	W6	360	70	32.5	75	32.5	150	40
KWG4-R2		2	11°19'									

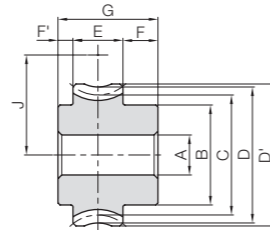
* For products not categorized in our KHK Stock Gear series, custom gear production services with short lead times are available. Please see Page 26 for more details about custom-made orders.

Outside dia.	Neck dia.	Shaft dia.	Weight (kg)	Catalog Number
Q	R	S		
44	30	40.2	2.66	KWG3-R1 KWG3-R2
48	29	45.2	3.85	KWG4-R1 KWG4-R2

AGF Module 3, 4
Worm Wheels



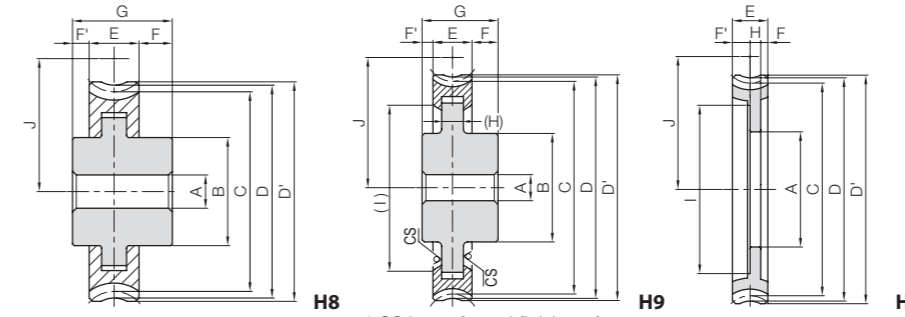
Specifications	
Precision grade	KHK W 002 grade 2
Reference section of gear	Rotating plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	CAC702 (old JIS A & BC2) *
Heat treatment	—
Tooth hardness	—



H6

* The hub material of H8 and H9 is FC200. FC200's tensile strength (200N/mm²) is derived from test specimens and does not represent that of the boss.

Catalog Number	Reduction ratio	Transverse module	No. of teeth	No. of starts of mating worm	Profile shift coefficient	Lead angle	Direction of helix	Shape	Bore	Hub dia.	Pitch dia.	Throat dia.	Outside dia.	Face width	Hub width (right)	Hub width (left)
									A _{H7}	B	C	D	D'	E	F	F'
AGF3-20R1	20	m3	20	1	+0.333	4°31'	R	H6	20	50	60	68	71	25	17.5	7.5
AGF3-20R2	10		2	+0.333	8°58'											
AGF3-25R1	25		1	0	4°31'											
AGF3-30R1	30		1	+0.333	4°31'											
AGF3-30R2	15		2	+0.333	8°58'											
AGF3-40R1	40		40	1	+0.333	4°31'										
AGF3-50R1	50	50	75				150	158	161							
AGF3-60R1	60	60	80				180	188	191							
AGF4-20R1	20	20	1				0	5°43'	R	H6	20	60	80	88	92	30
AGF4-20R2	10	2		11°19'												
AGF4-25R1	25	1		5°43'												
AGF4-30R1	30	1		5°43'												
AGF4-30R2	15	2		11°19'												
AGF4-40R1	40	40		1	5°43'	H9										
AGF4-50R1	50	50	20				90	200	208	212						
AGF4-60R1	60	60	20				—	240	248	252						



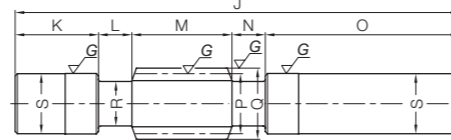
* CS has a forged finish surface. NOTE 1: Allowable torque based on worm speed (rpm)



Total length	Web thickness	Web O.D.	Mounting distance	Allowable torque (N·m) NOTE 1								Backlash (mm)	Weight (kg)	Catalog Number
				30 rpm	100 rpm	300 rpm	600 rpm	900 rpm	1200 rpm	1800 rpm				
50	—	—	J	50	59.7	49.1	38.3	31.5	27.5	25.1	21.5	0.06~0.16	0.88	AGF3-20R1
				50	60.2	48.2	36.1	29.5	25.4	23.0	19.4			
				56.5	90.2	74.3	58.8	48.9	42.6	39.0	33.5			
				65	126	105	83.1	69.6	61.0	55.4	48.2			
				65	128	105	79.8	65.2	57.2	51.6	44.3			
				80	216	180	145	122	108	98.0	84.9			
60	—	—	J	60	123	101	78.8	64.6	56.3	51.5	43.8	0.06~0.16	1.77	AGF4-20R1
				60	127	101	76.0	61.9	53.2	48.3	40.5			
				70	186	153	121	100	87.3	79.9	68.5			
				80	260	216	171	143	125	114	98.4			
				80	270	220	168	137	120	108	92.2			
				100	445	370	297	251	220	201	173			
60	(20)	(128)	100	445	370	297	251	220	201	173	0.06~0.16	5.25	AGF4-40R1	
				60	673	560	454	385	340	312				269
				30	8	204	140	941	788	638				544



Specifications	
Precision grade	KHK W 001 grade 2
Reference section of gear	Axial direction
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	SCM440
Heat treatment	Thermal refined, gear teeth induction hardened
Tooth hardness	50 to 60HRC
Surface treatment	Black oxide coated except for ground part



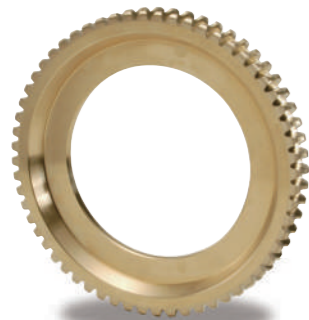
W6

Catalog Number	Axial module	Number of Starts	Nominal lead angle	Direction of helix	Shape	Total Length		Neck length (L)	Face width	Neck length (right)	Shaft length (R)	Pitch dia.
						J	K					
KWG5-R1	m5	1	5°43'	R	W6	400	75	30	90	30	175	50
KWG6-R1	m6	1	5°43'	R	W6	400	60	40	100	40	160	60

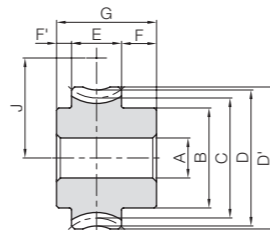
* For products not categorized in our KHK Stock Gear series, custom gear production services with short lead times are available. Please see Page 26 for more details about custom-made orders.

Outside dia.	Neck dia.	Shaft dia.	Weight (kg)	Catalog Number
Q	R	S		
60	36	50.2	5.75	KWG5-R1
72	44	60.2	8.09	KWG6-R1

AGF Module 5, 6
Worm Wheels



Specifications	
Precision grade	KHK W 002 grade 2
Reference section of gear	Rotating plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Material	CAC702 (old JIS A & BC2)
Heat treatment	—
Tooth hardness	—

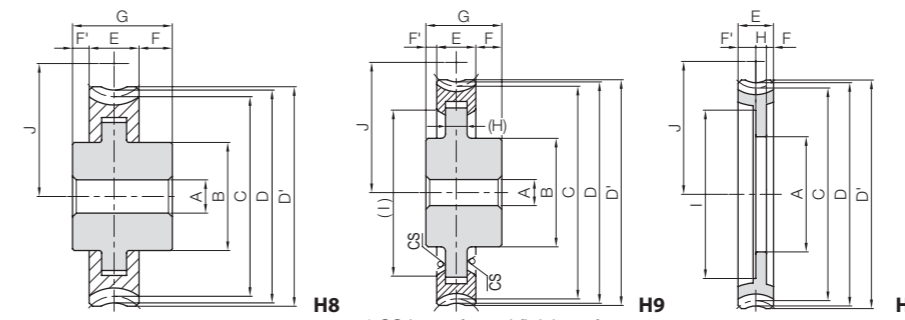


H6

* The hub material of H8 and H9 is FC200. FC200's tensile strength (200N/mm²) is derived from test specimens and does not represent that of the boss.

Catalog Number	Reduction ratio	Transverse module	No. of teeth	No. of starts of mating worm	Profile shift coefficient	Lead angle	Direction of helix	Shape	Bore		Pitch dia.	Throat dia.	Outside dia.	Face width	Hub width (right)	Hub width (left)
									AH7	B						
AGF5-20R1	20	m5	20	1	0	5°43'	R	H6	75	100	110	115	35	23	12	
AGF5-30R1	30		H8					75	150	160	165					
AGF5-40R1	40		H9					110	200	210	215					
AGF5-50R1	50		—					250	260	265						
AGF5-60R1	60		H0					200	300	310	315	7.5				17.5
AGF6-20R1	20	m6	20	1	0	5°43'	R	H6	85	120	132	138	40	23	12	
AGF6-30R1	30		H8					100	180	192	198					
AGF6-40R1	40		—					240	252	258						
AGF6-50R1	50		H0					190	300	312	318	8				20
AGF6-60R1	60		—					250	360	372	378					

Worm Wheels



H8 H9 H0 * CS has a forged finish surface. NOTE 1: Allowable torque based on worm speed (rpm)



Total length	Web thickness	Web O.D.	Mounting distance	Allowable torque (N·m) <small>NOTE 1</small>								Backlash (mm)	Weight (kg)	Catalog Number
				30 rpm	100 rpm	300 rpm	600 rpm	900 rpm	1200 rpm	1800 rpm				
70	—	—	75	211	172	134	108	95.0	86.2	72.7	0.07~0.19	3.26	AGF5-20R1	
				446	369	291	239	211	191	164				5.79
35	10	(26)	125	763	632	506	421	371	337	288	5.28	AGF5-40R1		
				956	772	646	574	523	446	6.48				
75	—	—	90	329	268	208	167	146	131	110	4.95	AGF6-20R1		
				696	572	451	368	325	290	248			9.66	
40	12	190	150	1190	981	784	648	572	513	436	6.20	AGF6-40R1		
				1800	1480	1200	994	885	796	676			8.00	
—	—	310	210	2520	2090	1680	1410	1260	1130	969	10.0	AGF6-60R1		
				—	—	—	—	—	—	—			—	