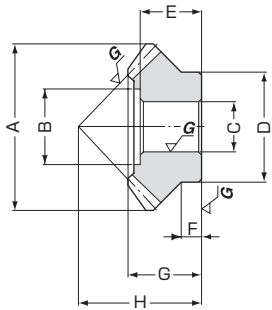


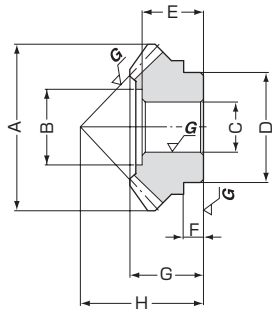


Specifications	
Precision grade	JIS B 1704 : 1978 grade 0
Gear teeth	Gleason
Pressure angle	20°
Helix angle	35°
Material	SCM415 *
Heat treatment	Carburizing (bore & hubs are masked)
Tooth hardness	60 ~ 63HRC * *

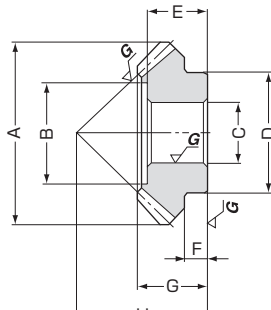
* Module 3.5 and larger are made of SCM420.
* * Tooth Hardness for module 1.5 and 2 is between 80 to 83 HRA.



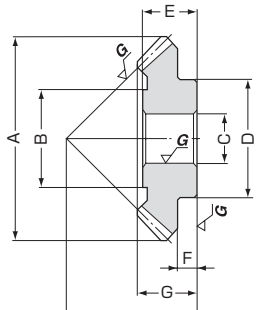
A



A'



B



C

Catalog No.	Gear ratio	Module	No. of teeth	Direction of spiral	Pitch dia.	Face width	Shape	Outside dia.	Holding surface dia.	Bore	Hub dia.	Length of bore
								A	B	C _{H7}	D	E
KSP031001GU L KSP031001GU R	1	m1.5	20	L R	30	7	A	30.5	16.5	10	22	13
KSP040001GU L KSP040001GU R		m2	20	L R	40	9	B	40	22.5	12	31	14
KSP053001GU L KSP053001GU R		m2.5	21	L R	52.5	12	B	53	31	14	38	20
KSP066001GU L KSP066001GU R		m3	21	L R	63	15	B	65	33.5	16	47	25
KSP078001GU L KSP078001GU R		m3.5	22	L R	77	18	B	78	43	20	54	27
KSP092001GU L KSP092001GU R		m4	22	L R	88	21	B	91	49	22	63	32
KSP105001GU L KSP105001GU R		m4.5	23	L R	103.5	25	C	105	50	26	70	35
KSP132001GU L KSP132001GU R		m5	26	L R	130	29	C	132	64	30	82	41
KSP157001GU L KSP157001GU R		m5.5	28	L R	154	34	C	157	76	32	92	47
KSP184001GU L KSP184001GU R		m6	30	L R	180	38	C	184	84	40	101	51
KSP0481.5GU P KSP0481.5GU G	1.5	m2	16 24	L R	32 48	9	A' B	34 48	17.5 30	10 12	24 30	13 17
KSP0611.5GU P KSP0611.5GU G		m2.25	18 27	L R	40.5 60.75	12	A' B	42 61	22 36	12 14	30 40	17 20
KSP0741.5GU P KSP0741.5GU G		m2.75	18 27	L R	49.5 74.25	15	A' B	52 74	27 44.5	14 20	40 50	20 25
KSP0901.5GU P KSP0901.5GU G		m3	20 30	L R	60 90	18	B B	63 90	34 54.5	16 20	44 56	24 29
KSP1051.5GU P KSP1051.5GU G		m3.5	20 30	L R	70 105	21	B C	74 105	38 53	20 22	50 63	25 32
KSP1241.5GU P KSP1241.5GU G		m3.75	22 33	L R	82.5 123.75	24	B C	87 124	46.5 64	20 26	56 69	29 35
KSP1411.5GU P KSP1411.5GU G		m4.25	22 33	L R	93.5 140.25	28	B C	99 141	53 68	22 30	63 73	32 41
KSP1631.5GU P KSP1631.5GU G		m4.5	24 36	L R	108 162	32	B C	113 163	64.5 76	26 32	69 82	35 47
KSP1811.5GU P KSP1811.5GU G		m5	24 36	L R	120 180	35	B C	126 181	71.5 86	30 38	73 90	41 48
KSP039002GU P KSP039002GU G		m1.5	13 26	L R	19.5 39	7	A B	21 38.5	10.2 24	8 10	16 24	14 13
KSP056002GU P KSP056002GU G	2	m2	14 28	L R	28 56	10	B B	30 56	15.3 35.5	8 12	20 30	12 18
KSP075002GU P KSP075002GU G		m2.5	15 30	L R	37.5 75	14	A' C	40 75	20 36	12 16	30 44	17 24
KSP096002GU P KSP096002GU G		m3	16 32	L R	48 96	18	B C	53 96	23.5 46	12 20	36 56	19 29
KSP119002GU P KSP119002GU G		m3.5	17 34	L R	59.5 119	22	A C	65 119	34 54	16 26	44 63	25 34
KSP145002GU P KSP145002GU G		m4	18 36	L R	72 144	27	A C	78 145	38 60	20 30	54 73	28 39
KSP172002GU P KSP172002GU G		m4.5	19 38	L R	85.5 171	32	A C	93 172	48 70	26 36	69 79	34 46

[Caution on Product Characteristics] ① The allowable torque is calculated by converting the output torque (600 rpm) on Page 337 to kgf/m, according to assumed usage conditions.
② These gears produce axial thrust forces. See Page 274 for more details.

Hub width	Total length	Mounting distance	Keyway	Allowable torque (kgf·m)	Backlash (mm)	Weight (kg)	Catalog No.
F	G	H					
6	15	25	12	0.61	0 ~0.05	0.04	KSP031001GU L KSP031001GU R
7	16.5	30	16	1.59	0 ~0.05	0.09	KSP040001GU L KSP040001GU R
8	22.8	40	22	3.63	0.05~0.10	0.21	KSP053001GU L KSP053001GU R
13	29.5	50	25	6.26	0.05~0.10	0.39	KSP066001GU L KSP066001GU R
12	32	57	32	9.74	0.05~0.10	0.59	KSP078001GU L KSP078001GU R
14	38	66	38	15.1	0.05~0.10	0.96	KSP092001GU L KSP092001GU R
14	39	72	40	23.9	0.05~0.10	1.33	KSP105001GU L KSP105001GU R
14	45	88	48	38.4	0.05~0.10	2.49	KSP132001GU L KSP132001GU R
20	53.5	105	55	60.1	0.05~0.10	3.90	KSP157001GU L KSP157001GU R
17	56.5	118	62	85.8	0.05~0.10	5.79	KSP184001GU L KSP184001GU R
4.5 7	14.5 19	31 30	— 20	2.02	0 ~0.05	0.05 0.14	KSP0481.5GU P KSP0481.5GU G
5.5 10	19 23.5	39 37	16 27	4.12	0.05~0.10	0.10 0.28	KSP0611.5GU P KSP0611.5GU G
6 12	22 29	46 45	20 35	7.15	0.05~0.10	0.20 0.49	KSP0741.5GU P KSP0741.5GU G
8 13	26.5 33	56 53	25 42	11.9	0.05~0.10	0.34 0.84	KSP0901.5GU P KSP0901.5GU G
7 13	28.5 34	63 57	28 42	17.8	0.05~0.10	0.47 1.18	KSP1051.5GU P KSP1051.5GU G
7 14	33 36.5	74 64	36 48	26.0	0.05~0.10	0.80 1.71	KSP1241.5GU P KSP1241.5GU G
7 17	36 43.5	82 74	42 50	39.2	0.05~0.10	1.15 2.46	KSP1411.5GU P KSP1411.5GU G
7 19	38.5 49.5	92 85	48 55	56.5	0.05~0.10	1.64 3.84	KSP1631.5GU P KSP1631.5GU G
10 19	45.5 50.5	105 90	55 60	72.4	0.05~0.10	2.21 4.85	KSP1811.5GU P KSP1811.5GU G
7.6 7	14.5 15	28 22	— 20	0.89	0 ~0.05	0.02 0.07	KSP039002GU P KSP039002GU G
2.5 8	13 20.5	32 30	10 20	2.65	0 ~0.05	0.04 0.19	KSP056002GU P KSP056002GU G
4.5 11	19.5 25.5	44 38	14 25	6.43	0.05~0.10	0.10 0.44	KSP075002GU P KSP075002GU G
2.5 12	21.5 31	53 47	19 32	12.5	0.05~0.10	0.20 0.91	KSP096002GU P KSP096002GU G
3.6 15	27.5 35.5	67 55	25 40	22.2	0.05~0.10	0.36 1.45	KSP119002GU P KSP119002GU G
3.5 16	33 40.5	80 64	30 42	36.3	0.05~0.10	0.65 2.44	KSP145002GU P KSP145002GU G
4.4 20	38 47	94 75	38 50	59.9	0.05~0.10	0.97 3.80	KSP172002GU P KSP172002GU G

[Caution on Secondary Operations] ① Please read “Caution on Performing Secondary Operations” (Page 304) 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.