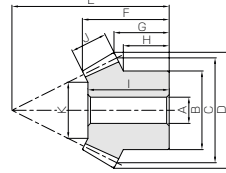




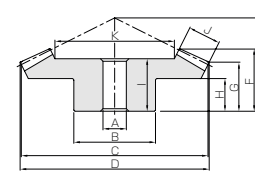
Specifications	
Precision grade	JIS B 1704 : 1978 grade 3
Gear teeth	Gleason
Pressure angle	20°
Material	S45C
Heat treatment	—
Tooth hardness	(less than 194HB)



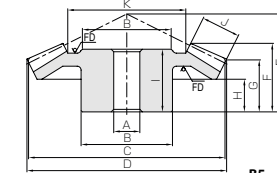
B3

Catalog No.	Gear ratio	Module	No. of teeth	Shape	Bore		Pitch dia.	Outside dia.	Mounting distance	Total length	Crown to back length		Hub width
					A <sub>H7</sub>	B					G	H	
SB1.5-6015 SB1.5-1560	4	m1.5	60	B4	12	50	90	90.41	32	24.2	21.58	12	10.43
			15	B3	8	18	22.5	26.66	56	23.01	11.52		
SB2-6015 SB2-1560	4	m2	60	B4	15	60	120	120.55	42	31.6	28.1	16	14.25
			15	B3	10	24	30	35.55	75	31.01	15.69		
SB2.5-6015 SB2.5-1560	4	m2.5	60	B4	20	70	150	150.69	53	40	35.63	20	18.06
			15	B3	12	30	37.5	44.44	94	39.02	19.87		
SB3-6015 SB3-1560	4	m3	60	B4	20	80	180	180.83	64	47.97	43.15	25	21.12
			15	B3	15	38	45	53.33	112	44.1	23.04		
SB4-6015 SB4-1560	4	m4	60	B5	25	85	240	241.1	80	59.2	52.2	36	28.75
			15	B3	16	50	60	71.10	150	62.03	31.39		
SBY5-6015 SBY5-1560	4	m5	60	BT	30	180	300	301.36	80	53.97	45.22	20	33.13
			15	B3	25	60	75	88.9	185	75.03	36.74		
SBY6-6015 SBY6-1560	4	m6	60	BT	35	200	360	361.66	100	68.16	58.31	25	38.13
			15	B3	25	75	90	106.66	220	85.17	42.08		

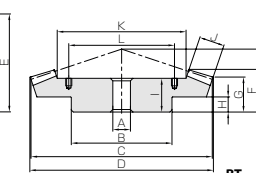
- [Caution on Product Characteristics]
- The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see page 283 for more details.
  - Dimensions of the outside diameter, the overall length and crown to back length are all theoretical values, and some differences will occur due to the corner chamfering of the gear tips.
  - For convenience in handling, BT Shaped Gears have tapped holes on their holding surface. To find the L dimensions and tap sizes, please refer to Page 284.



B4



B5



BT

\* FD has die-forged finish.

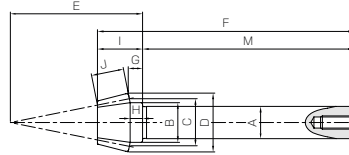
Length of bore	Face width	Holding surface dia.	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog No.
			Bending strength	Surface durability	Bending strength	Surface durability			
21	12	K	17.3	1.75	1.77	0.18	0.05~0.15	0.62	SB1.5-6015 SB1.5-1560
22.5			4.46	0.44	0.045	0.10			
27	16	K	41.3	4.30	4.21	0.44	0.06~0.16	1.35	SB2-6015 SB2-1560
30			10.6	1.07	0.11	0.10			
34	20	K	80.2	8.54	8.18	0.87	0.07~0.17	2.51	SB2.5-6015 SB2.5-1560
37.5			20.6	2.13	0.22	0.21			
41	22	K	130	14.2	13.3	1.44	0.08~0.18	4.16	SB3-6015 SB3-1560
43			33.5	3.54	0.36	0.36			
53	32	K	328	37.0	33.5	3.77	0.12~0.27	6.00	SB4-6015 SB4-1560
60			84.5	9.24	0.94	0.91			
45	40	K	642	74.4	65.4	7.59	0.14~0.34	17.5	SBY5-6015 SBY5-1560
73			165	18.6	1.90	1.58			
56	45	K	1050	126	107	12.8	0.16~0.36	30.7	SBY6-6015 SBY6-1560
82			270	31.5	3.21	2.83			

- [Caution on Secondary Operations]
- Please read "Caution on Performing Secondary Operations" (Page 284) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK's system for quick modification of KHK stock gears is also available.



Specifications	
Precision grade	JIS B 1704 : 1978 grade 3
Gear teeth	Gleason
Pressure angle	20°
Material	S45C
Heat treatment	—*
Tooth hardness	(less than 194HB) *

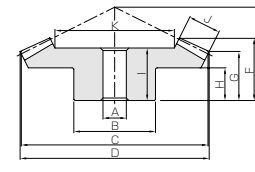
\* Pinions are thermal refined. The hardness of a gear tooth is 200 to 270HB.



B8

Catalog No.	Gear ratio	Module	No. of teeth	Shape	Bore - Shaft dia.		Hub dia.	Pitch dia.	Outside dia.	Mounting distance	Total length	Crown to back length		Hub width	Length of bore - shaft
					A <sub>H7</sub> (Bore)	B						F	G		
SB1.5-6012 SB1.5-1260	5	m1.5	60	B4	12	50	90	90.33	30	23.89	21.82	12	21	17.06	
			12	B8	12.2	15	18	22.24	50	97.06	5.42	4.7			
SB2-6012 SB2-1260	5	m2	60	B4	15	60	120	120.43	40	31.85	29.09	16	24	22.08	
			12	B8	15.2	20	24	29.65	66	117.08	6.56	5.6			
SB2.5-6012 SB2.5-1260	5	m2.5	60	B4	20	70	150	150.54	50	39.81	36.36	20	34	28.1	
			12	B8	20.2	25	30	37.06	83	143.1	8.7	7.5			
SB3-6012 SB3-1260	5	m3	60	B4	20	80	180	180.65	60	47.43	43.64	25	41	32.19	
			12	B8	25.25	30	36	44.48	100	172.19	10.85	9.4			

- [Caution on Product Characteristics]
- The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see page 283 for more details.
  - Dimensions of the outside diameter, the overall length and crown to back length are all theoretical values, and some differences will occur due to the corner chamfering of the gear tips.



B4

Face width	Holding surface dia.	Shaft length	Screw size	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)	Catalog No.
				Bending strength	Surface durability	Bending strength	Surface durability			
12	K	M	M5	18.0	1.41	1.83	0.14	0.05~0.15	0.62	SB1.5-6012 SB1.5-1260
				4.01	0.46	0.41	0.047			
16	K	M	M6	42.6	3.43	4.34	0.35	0.06~0.16	1.34	SB2-6012 SB2-1260
				9.50	1.12	0.97	0.11			
20	K	M	M8	83.2	6.85	8.48	0.70	0.07~0.17	2.54	SB2.5-6012 SB2.5-1260
				18.5	2.23	1.89	0.23			
22	K	M	M8	135	11.4	13.8	1.16	0.08~0.18	4.18	SB3-6012 SB3-1260
				30.1	3.70	3.07	0.38			

- [Caution on Secondary Operations]
- Please read "Caution on Performing Secondary Operations" (Page 284) when performing modifications and/or secondary operations for safety concerns. KHK Quick-Mod Gears, the KHK's system for quick modification of KHK stock gears is also available.