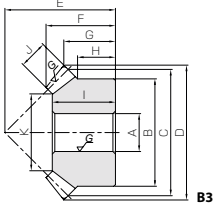




Specifications	A <sub>H7</sub> Bore
Precision grade	JIS B 1704 : 1978 grade 2
Gear teeth	Gleason
Pressure angle	20°
Helix angle	35°
Material	S45C
Heat treatment	Teeth induction hardened
Tooth hardness	50 ~ 60HRC
Gear ratio	1
Screw offset (L)	Half of hub width (H)
* The precision grade of J Series products is equivalent to the value shown in the table.	



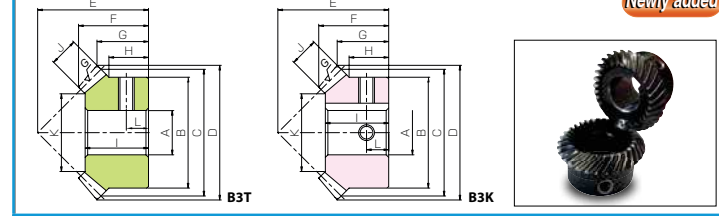
**B3**

**Standardized ground spiral miter gears available in Module 1 !**

Catalog No.	No. of teeth	Shape	A <sub>H7</sub>	B	C	D	E	F	G	H	I	J	K	Allowable torque (N·m)		Allowable torque (kgf·m)		Backlash (mm)	Weight (kg)
														Bending strength	Surface durability	Bending strength	Surface durability		
[Table content continues with rows for 20 and 25 tooth gears]																			
[Table content continues with rows for 30 tooth gears]																			

- [Caution on Product Characteristics] ① A sets of miter gears must be identical in module and number of teeth, but opposite in spiral hands.  
 ② The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see page 253 for more details.  
 ③ 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.  
 ④ These gears produce axial thrust forces. See page 254 for more details.

- [Caution on Secondary Operations] ① Please read "Caution on Performing Secondary Operations" (Page 254) when performing modification 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.  
 ② Due to the gear teeth being induction hardened, no secondary operations can be performed on tooth areas including the bottom land (approx. 1 to 2 mm).



**B3T**

**B3K**

**To order J Series products, please specify; Catalog No. + J + BORE**

Bore H7	* The product shapes of J Series items are identified by background color.																			
Keyway Js9	6	8	10	12	14	15	16	17	18	19	20	22	25	28	30	32	35	40	45	50
Screw size	4 x 1.8			5 x 2.3			6 x 2.8			8 x 3.3			10 x 3.3		12 x 3.3	14 x 3.8				
Catalog No.	M4	M5	M4			M5			M6			M8		M10						
SMSG1-20R J BORE	Green																			
SMSG1-5-20R J BORE	Green																			
SMSG2-20R J BORE																				
SMSG2-5-20R J BORE																				
SMSG3-20R J BORE																				
SMSG3-5-20R J BORE																				
SMSG4-20R J BORE																				
SMSG4-5-20R J BORE																				
SMSG5-20R J BORE																				
SMSG5-5-20R J BORE																				
SMSG1-25R J BORE	Green	Green																		
SMSG2-25R J BORE																				
SMSG3-25R J BORE																				
SMSG4-25R J BORE																				
SMSG5-25R J BORE																				
SMSG1-30R J BORE																				
SMSG2-30R J BORE																				
SMSG3-30R J BORE																				
SMSG4-30R J BORE																				
SMSG5-30R J BORE																				

- [Caution on J series] ① As available-on-request products, requires a lead-time for shipping within **2 working days (excludes the day ordered), after placing an order**. Please allow additional shipping time to get to your local distributor.  
 ② Number of products we can process for one order is **1 to 20 units**. For quantities of 21 or more pieces, we need to quote price and lead time.  
 ③ Keyways are made according to JIS B1301 standards, Js 9 tolerance.  
 ④ Certain products which would otherwise have a very long tapped hole are counterbored to reduce the length of the tap. (Products marked with "\*" are tap size).  
 ⑤ Areas of products which have been re-worked will not be black oxide coated.  
 ⑥ For products having a tapped hole, a set screw is included.