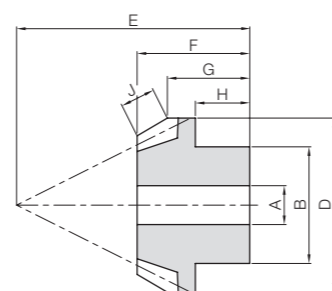


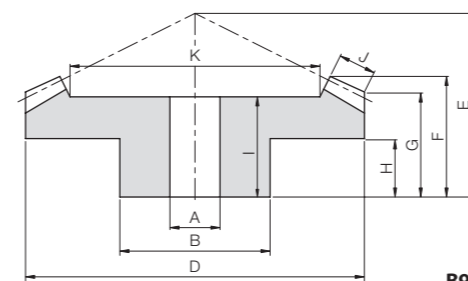


Specifications	
Precision grade	JIS B 1704: 1978 grade 6
Gear teeth	Gleason
Pressure angle	20°
Material	Duracon (R) (M90-44)
Heat treatment	—
Tooth hardness	(110 to 120HRR)

* "Duracon (R)" is a registered trademark of Polyplastics Co., Ltd. in Japan as well as other countries.



B1



B9

Catalog Number	Gear Ratio	Module	No. of teeth	Shape	Bore		Pitch dia.	Outside dia.	Mounting distance	Total length		Crown to back
					A	B				F	G	
DB0.5-4020	2	m0.5	40	B9	4	12	20	20.29	12	8.33	7.29	
DB0.5-2040			20	B1	3	8	10	11.2	16	8.46	6.3	
DB0.8-4020		m0.8	40	B9	5	15	32	32.47	18	11.91	10.47	
DB0.8-2040			20	B1	4	12	16	17.92	24	11.5	8.48	
DB1-4020		m1	40	B9	6	18	40	40.59	22	14.45	12.59	
DB1-2040			20	B1	5	15	20	22.4	30	14.49	10.6	

[Caution on Product Characteristics] ① The bore tolerance is -0.05 to -0.30, but it may be slightly higher at the center of the hole.

② For the dimensional accuracy of each part, see the dimensional tolerance of molded items in the table at right.

[Caution on Secondary Operations] ① As it is a molded item, bubbles may form inside the material. Avoid performing secondary operations.

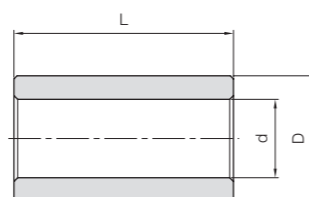
Hub width	Hole length	Face width	Holding surface dia.	Allowable torque (N·m)	Allowable torque (kgf·m)	Backlash (mm)	Weight (g)	Catalog Number
H	I	J	K	Bending strength	Bending strength			
4	7	2.5	14.41	0.24	0.025	0~0.30	2.00	DB0.5-4020
4	—		—	0.092	0.0094		0.54	DB0.5-2040
6	10	3.5	24.17	0.91	0.093	0~0.48	6.26	DB0.8-4020
5	—		—	0.34	0.035		1.87	DB0.8-2040
7.5	12.5	4.5	30.44	1.59	0.16	0~0.60	11.9	DB1-4020
7	—		—	0.60	0.061		3.54	DB1-2040

■ Dimensional tolerance of molded item (unit: mm)

Dimensional classification	Grade	Rough grade
	3 or less	
4 to 6		±0.25
7 to 10		±0.30
11 to 18		±0.35
19 to 30		±0.40
Over 30		±0.50



When using the injection molded bevel gear as an idler gear and a shaft diameter smaller than the inside diameter of the molded gear, please press fit one of the following standard bushings.



T8

Catalog Number	Inner dia.	Outside dia.	Length	Gear example
	$d \begin{smallmatrix} +0.02 \\ 0 \end{smallmatrix}$	$D \begin{smallmatrix} +0.02 \\ -0.01 \end{smallmatrix}$	$L \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$	
BB30507	3	5	7	DB0.8
BB40612	4	6	12	DB1

Material: Oil-free copper alloy

