

行星式齒輪箱 Planetary Gear



IG-80R

型式	行星式	Type	Planetary gear
外殼材質	金屬	Housing	metal
馬達搭配	DM-5230 / DM-5250	Motor match	DM-5230 / DM-5250
無負荷背隙	$\leq 3^\circ$	No load backlash	$\leq 3^\circ$
輸出軸承型式	滾珠軸承	Bearing at output	ball bearings
徑向負荷	$\leq 30 \text{ kg-f}$	Radial load	$\leq 30 \text{ kg-f}$
軸向負荷	$\leq 10 \text{ kg-f}$	Shaft axial load	$\leq 10 \text{ kg-f}$
主軸最大承受壓入力	$\leq 75 \text{ kg-f}$	Max shaft press fit force	$\leq 75 \text{ kg-f}$
徑向間隙	$\leq 0.08 \text{ mm}$	Radial play of shaft	$\leq 0.08 \text{ mm}$
軸向間隙	$\leq 0.4 \text{ mm}$	Thrust play of shaft	$\leq 0.4 \text{ mm}$
轉向	CW / CCW	Direction	CW / CCW
使用溫度 / 溼度	$-15^\circ\text{C} \sim 60^\circ\text{C}$ / RH85% ↓	Using temp. / humidity	$-15^\circ\text{C} \sim 60^\circ\text{C}$ / RH85% ↓
防護等級	IP545	Grade of protection	IP545
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標準減速比型式 Gear Head Specifications

減速比 Reduction ratio	精確減速比 Exact reduction ratio	定格容許扭力 Rated tolerance torque	瞬間容許扭力 Max momentary tolerance torque	效率 Efficiency	L	重量 Weight(g)
1/4	3 17/21	15 kgf-cm Max.	45 kgf-cm	80%	52.3	1200
1/13,1/15	12 4/5 , 14 226/441	70 kgf-cm Max.	210 kgf-cm	70%	68.8	1650
1/19,1/21	18 198/325 , 21 9/91	70 kgf-cm Max.	210 kgf-cm	70%	68.8	1650
1/49,1/55	48 16/21 , 55 2645/9261	125 kgf-cm Max.	375 kgf-cm	60%	85.3	2100
1/71,1/80	70 58/65 , 80 240/637	125 kgf-cm Max.	375 kgf-cm	60%	85.3	2100
1/103,1/117	103 281/4225 , 116 1012/1183	125 kgf-cm Max.	375 kgf-cm	50%	85.3	2100
1/186,1/210	186 335/441 , 116 1012/1183	150 kgf-cm Max.	450 kgf-cm	50%	101.8	2550
1/306,1/393	306 2638/13377 , 392 536/845	150 kgf-cm Max.	450 kgf-cm	50%	101.8	2550
1/445,1/571	445 1355/8281 , 570 45582/54925	150 kgf-cm Max.	450 kgf-cm	50%	101.8	2550
1/647	647 3067/15379	150 kgf-cm Max.	450 kgf-cm	50%	101.8	2550

IG行星齒輪箱尺寸圖 IG Planetary Gear Appearance Size

IG80-R

