



IG-42R

型式	行星式	Type	Planetary gear
外殼材質	金屬	Housing	metal
馬達搭配	DM-2530	Motor match	DM-2530
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	$\leq 25 \text{ kg-f}$	Radial load	$\leq 25 \text{ kg-f}$
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	$\leq 50 \text{ kg-f}$	Max shaft press fit force	$\leq 50 \text{ kg-f}$
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	-15C~60C / RH85% ↓	Using temp. / humidity	-15C~60C / 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)
1/4,1/5	4 ¹ / ₅ , 5	3 kgf-cm Max.	9 kgf-cm	80%	32.5	139
1/15,1/17	14 ² / ₃ , 16 ⁴ / ₅	8 kgf-cm Max.	24 kgf-cm	70%	39.2	191
1/20,1/25	20, 25 ¹ / ₃	8 kgf-cm Max.	24 kgf-cm	70%	39.2	191
1/51,1/64,1/84	51 ¹ / ₃ , 63 ⁵ / ₉ , 84	18 kgf-cm Max.	54 kgf-cm	60%	45.9	231
1/100,1/120	100, 120	20 kgf-cm Max.	60 kgf-cm	60%	45.9	231
1/180,1/222	179 ² / ₃ , 222 ⁴ / ₉	25 kgf-cm Max.	75 kgf-cm	50%	52.6	281
1/294,1/500	294, 500	30 kgf-cm Max.	90 kgf-cm	50%	52.6	281
1/600,1/720	600, 720	30 kgf-cm Max.	90 kgf-cm	50%	52.6	281
1/1062	1061 ² / ₃	30 kgf-cm Max.	90 kgf-cm	40%	59.6	326
1/1470,1/2500	1270, 2500	30 kgf-cm Max.	90 kgf-cm	40%	59.6	326
1/3000,1/3600	3000, 3600	30 kgf-cm Max.	90 kgf-cm	40%	59.6	326

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

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