



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	≤3°	No load backlash	≤3°
輸出軸承型式	滾珠軸承	Bearing at output	ball bearings
徑向負荷	≤25 kg-f	Radial load	≤25 kg-f
軸向負荷	≤10 kg-f	Shaft axial load	≤10 kg-f
主軸最大承受壓入力	≤50 kg-f	Max shaft press fit force	≤50 kg-f
徑向間隙	≤0.08 mm	Radial play of shaft	≤0.08 mm
軸向間隙	≤0.4mm	Thrust play of shaft	≤0.4mm
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
詳細尺寸	52頁	Size detail	Page.52

標準減速比型式 Gear Head Specifications

減速比	精確減速比	定格容許扭力	瞬間容許扭力	效率	L	重量
Reduction ratio	Exact reduction ratio	Rated tolerance torque	Max momentary tolerance torque	Efficiency		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

IG42-R

