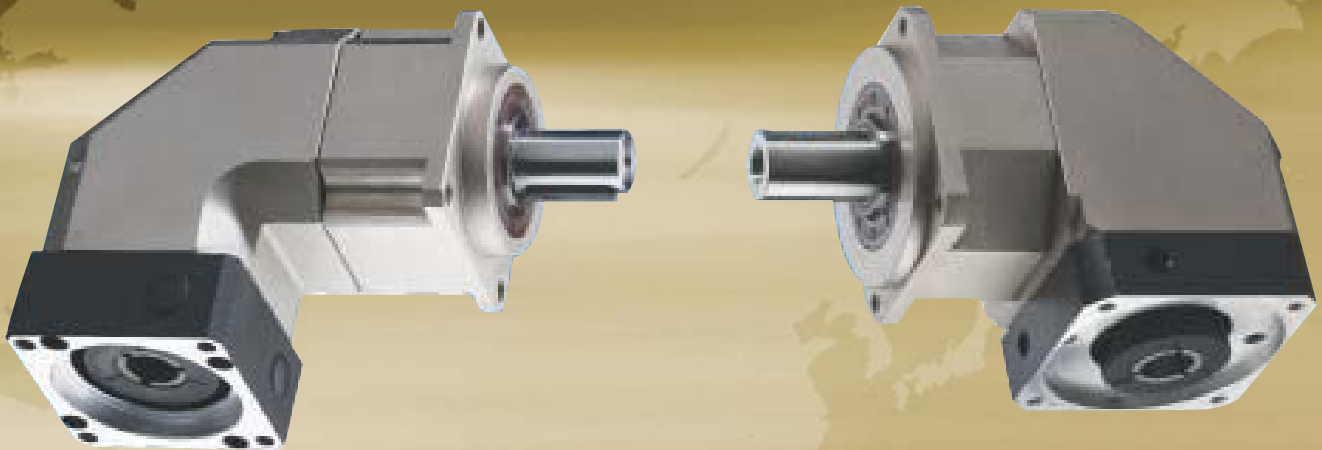


# PGR Series : ANGLE L-TYPE



## 감속기 형식 표기 방법 (Meaning of the Model Name)

PGR	—	60	—	N/P	—	10
감속기 종류 MODEL		형식 TYPE		정밀도 PRECISION		감속비 RATIO
PGR		42 60 90 115 142		무표시, P2 : 일반급 P0,P1 : 정밀급		1단 : 3~10 2단 : 12~100

## 감속기 성능 및 사양 설명 (Performance Specification)

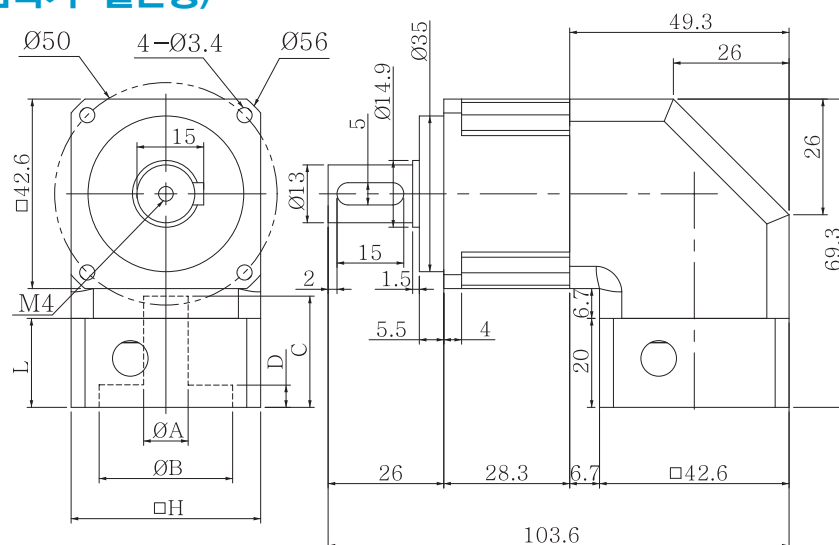
### PGR SPECIFICATION TABLE

The above figures/specifications are subject to change without prior notice.

Specifications		Stage	Ratio	PGR42	PGR60	PGR90	PGR115	PGR142
Nominal Output Torque	Nm	1	3	13.82	44.20	95.16	283.32	425.03
			5	13.82	43.02	85.16	283.32	425.03
			7	11.86	35.97	74.58	218.64	328.01
			10	10.09	17.64	40.87	174.34	261.56
		2	15	11.96	39.40	79.87	265.97	398.96
			20	11.96	35.87	74.58	249.02	373.58
			25	13.82	43.02	85.16	283.32	427.57
			30	12.54	39.40	79.87	265.97	398.96
			35	11.86	35.87	74.58	218.64	328.01
			40	10.88	32.44	63.90	202.47	303.70
			50	13.82	39.40	85.16	283.32	427.87
			70	11.86	35.97	74.58	218.64	328.01
			100	9.80	17.64	40.87	174.34	261.56
Max. Output Torque	Nm	2.5 times of Nominal Output Torque						
Nominal Input Speed	rpm	1,2	3-100	3000	3000	2500	2000	2000
Max. Input Speed	rpm	1,2	3-100	6000	6000	5000	4000	4000
Micro Backlash P0	arcmin	1	3-10	≤3	≤3	≤3	≤3	≤3
		2	12-100	≤5	≤5	≤5	≤5	≤5
Classic Backlash P1	arcmin	1	3-10	≤6	≤6	≤6	≤6	≤6
		2	12-100	≤10	≤10	≤10	≤10	≤10
Standard Backlash P2	arcmin	1	3-10	12~15	12~15	12~15	12~15	12~15
		2	12-100	15~20	15~20	15~20	15~20	15~20
Torsional Rigidity	Nm	1,2	3-100	1.03	2.85	7.50	15.50	30.00
Operating Temp.	°C		3-100	-10°C~+90°C				
Service Life	hr		3-100	10,000 (4,000/Continuous operation)				
Efficiency	%	1	3-10	≥95%				
		2	12-100	≥90%				
Weight	kg	1	3-10	1.2	3.2	7.5	15.6	26
		2	12-100	1.9	5.3	10.5	20.7	36
Mounting Position		1,2	3-100	Any direction				
Noise Level	dB/1m	1,2	3-100	62	65	70	75	75
Lubrication		1,2	3-100	Urea derivatives				

# PGR42 SINGLE STAGE DIMENSIONS (UNIT : mm)

## PGR42(1단 감속기-일반형)

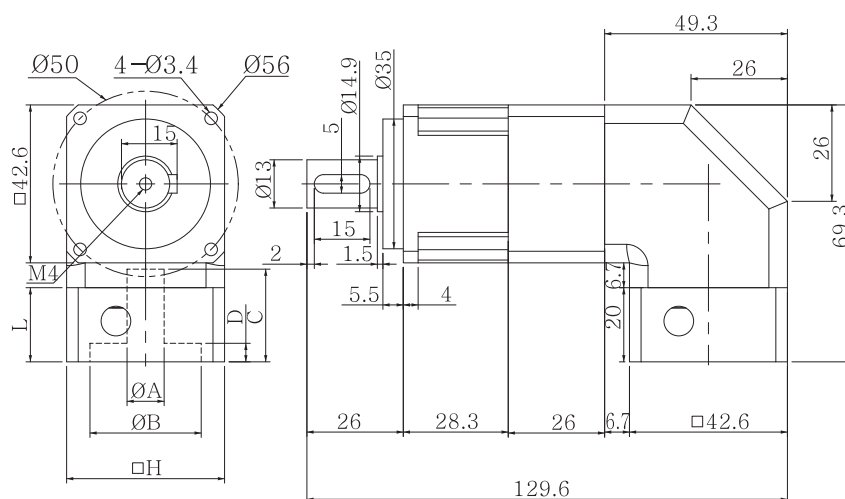


### SPECIFICATIONS

GEAR RATIO	BRACKET					
SINGLE STAGE: 3, 5, 7, 9, 10	A	B	C	D	L	H
	≤8	22~54	18~39	2~7	20~32	42.6~60
	PCDØE : Ø43~70    Bore Dia : M3~M5					

# PGR42 DOUBLE STAGE DIMENSIONS (UNIT : mm)

## PGR42(2단 감속기-일반형)



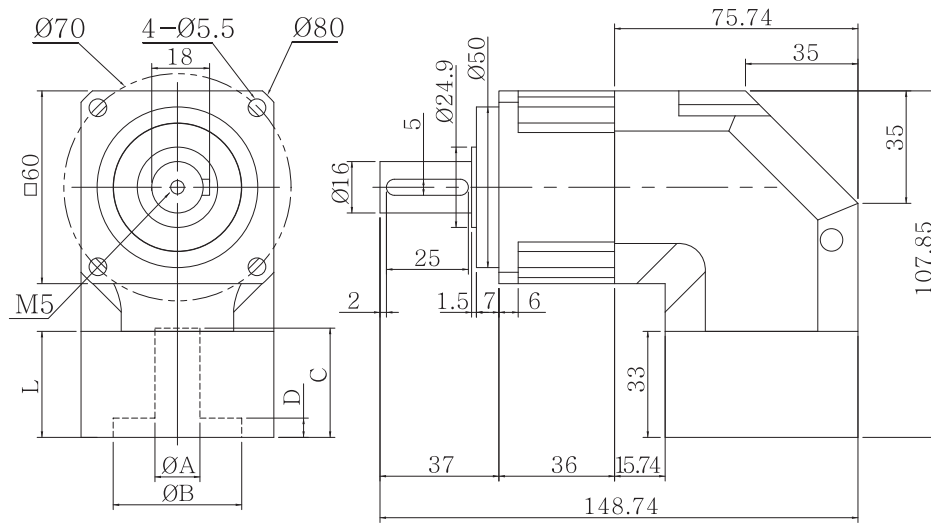
### SPECIFICATIONS

GEAR RATIO	BRACKET					
DOUBLE STAGE: 12, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	A	B	C	D	L	H
	≤8	22~54	18~39	2~7	20~32	42.6~60
	PCDØE : Ø43~70    Bore Dia : M3~M5					

※본제품의 규격은 품질개선을 위하여 예고없이 변경될 수 있습니다.

## PGR60 SINGLE STAGE DIMENSIONS (UNIT : mm)

## PGR60(1단 감속기-일반형)

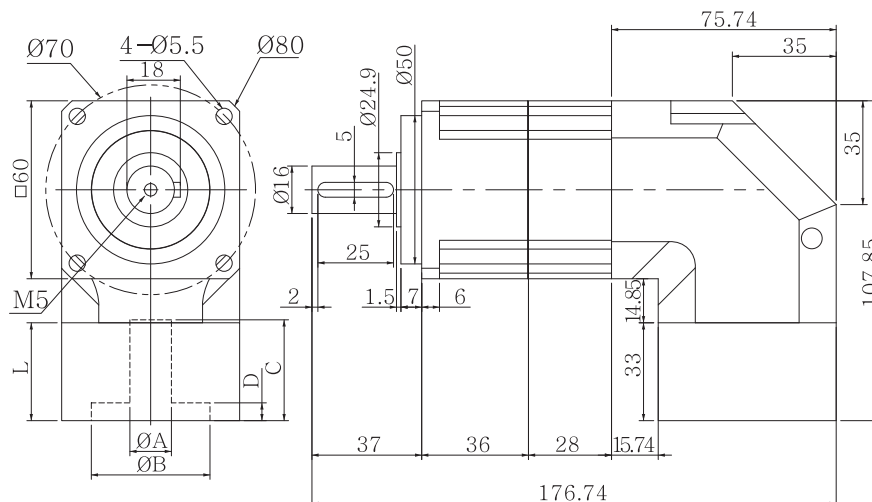


## SPECIFICATIONS

GEAR RATIO	BRACKET					
SINGLE STAGE: 3, 5, 7, 9, 10	A	B	C	D	L	H
	≤14	22~83	25~39	2~10	33~35	60~90
	PCDØE : Ø39~90			Bore Dia : M3~M6		

## PGR60 DOUBLE STAGE DIMENSIONS (UNIT : mm)

## PGR60(2단 감속기-일반형)



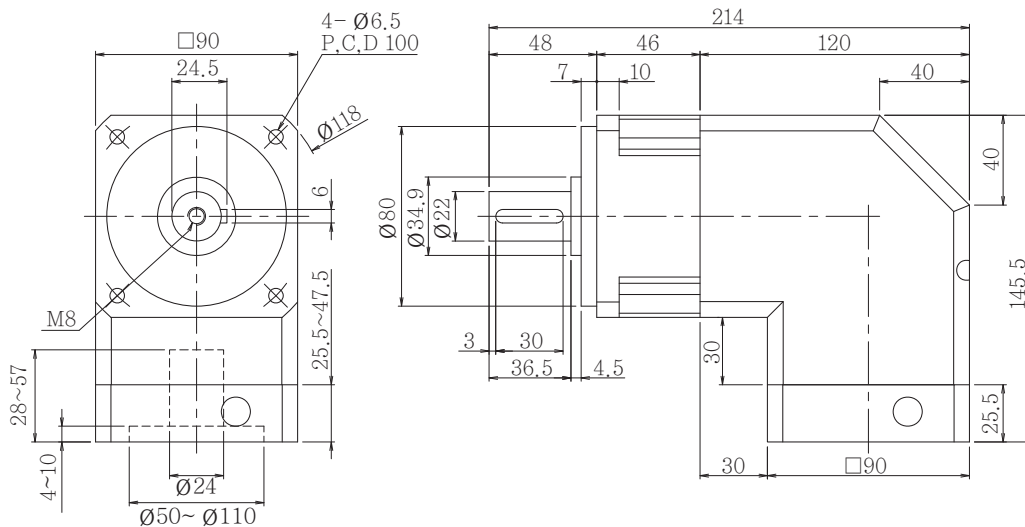
## SPECIFICATIONS

GEAR RATIO	BRACKET					
DOUBLE STAGE: 12, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	A	B	C	D	L	H
	≤14	22~83	25~39	2~10	33~35	60~90
	PCDØE : Ø39~90			Bore Dia : M3~M6		

※본제품의 규격은 품질개선을 위하여 예고없이 변경될 수 있습니다.

# PGR90 SINGLE STAGE DIMENSIONS (UNIT : mm)

## PGR90(1단 감속기-일반형)

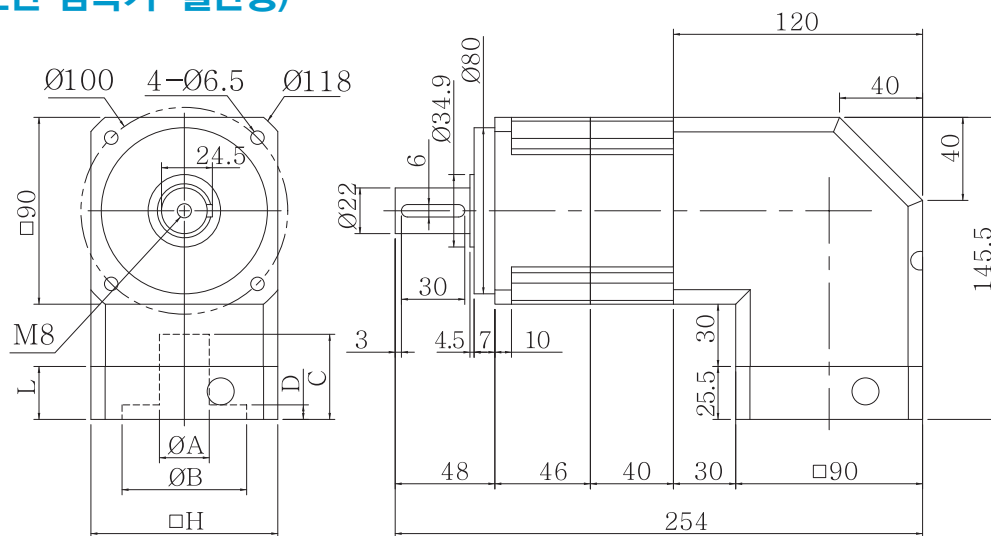


### SPECIFICATIONS

GEAR RATIO	BRACKET					
SINGLE STAGE: 3, 5, 7, 9, 10	A	B	C	D	L	H
	$\leq 24$	50~110	28~57	4~10	25.5~47.5	90~130
	PCD $\varnothing$ E : $\varnothing 70 \sim 145$ Bore Dia : M4~M10					

# PGR90 DOUBLE STAGE DIMENSIONS (UNIT : mm)

## PGR90(2단 감속기-일반형)



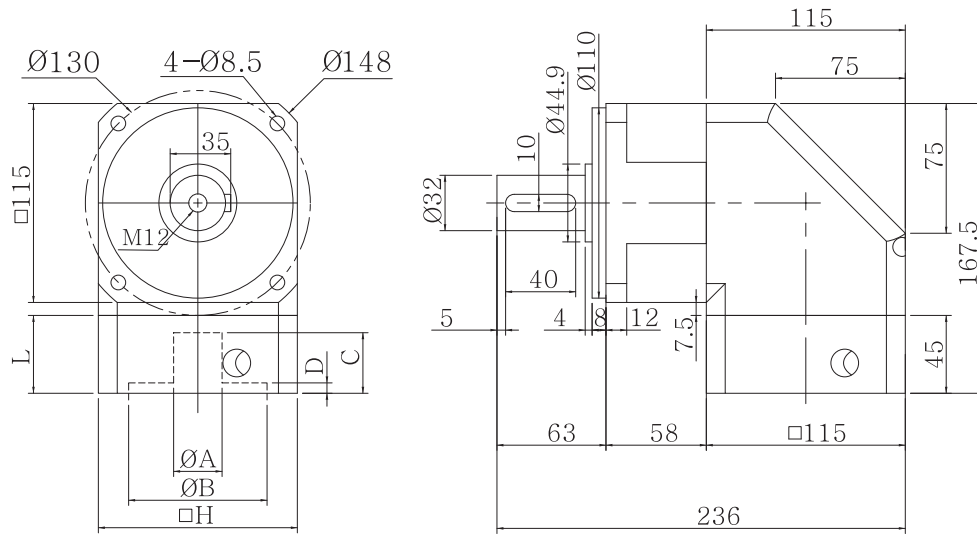
### SPECIFICATIONS

GEAR RATIO	BRACKET					
DOUBLE STAGE: 12, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	A	B	C	D	L	H
	$\leq 24$	50~110	28~57	4~10	25.5~47.5	90~130
	PCD $\varnothing$ E : $\varnothing 70 \sim 145$ Bore Dia : M4~M10					

※본제품의 규격은 품질개선을 위하여 예고없이 변경될 수 있습니다.

# PGR115 SINGLE STAGE DIMENSIONS (UNIT : mm)

## PGR115(1단 감속기-일반형)

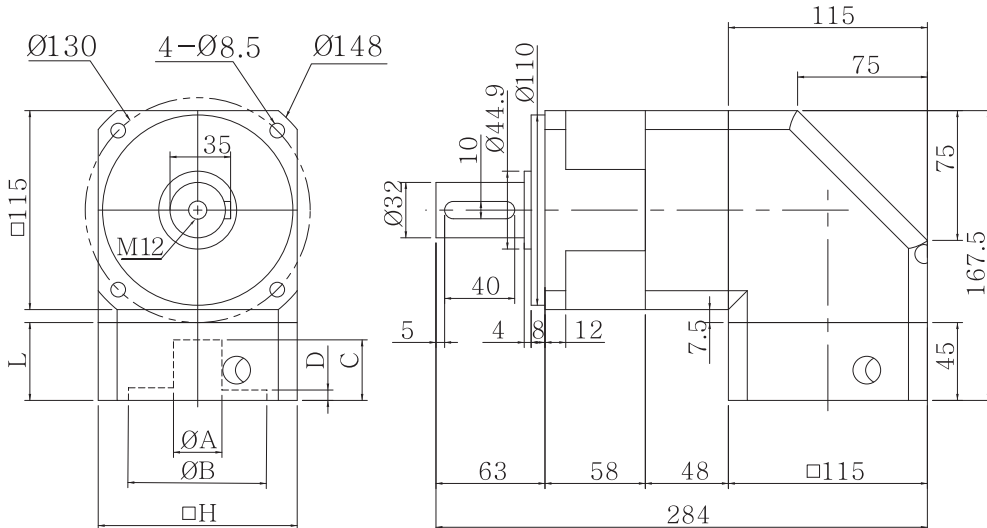


### SPECIFICATIONS

GEAR RATIO	BRACKET					
	A	B	C	D	L	H
SINGLE STAGE: 3, 5, 7, 9, 10	≤28	60~110	30~60	4~10	45~55	115~130
PCDØE : Ø90~145						Bore Dia : M8~M10

# PGR115 DOUBLE STAGE DIMENSIONS (UNIT : mm)

## PGR115(2단 감속기-일반형)



### SPECIFICATIONS

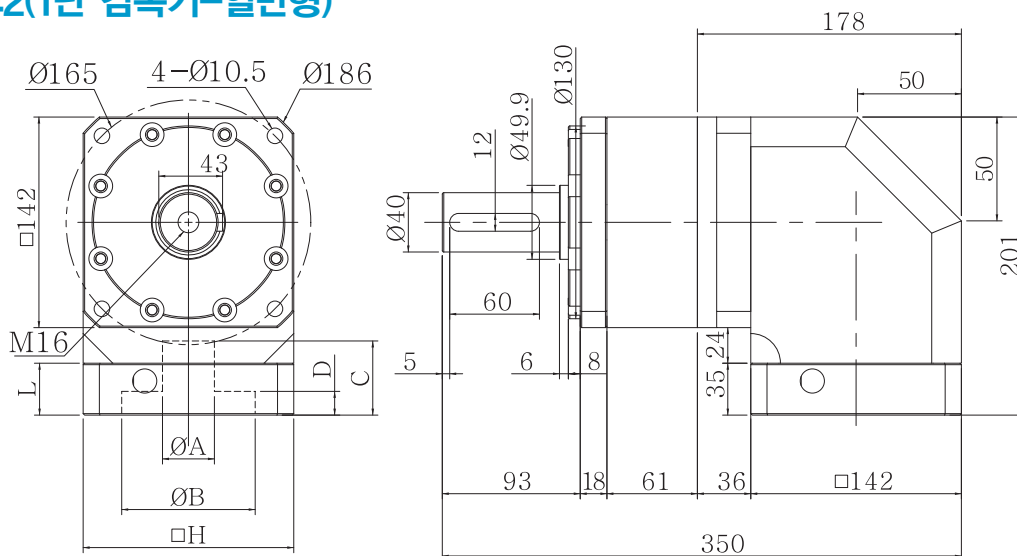
GEAR RATIO	BRACKET					
	A	B	C	D	L	H
DOUBLE STAGE: 12, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	≤28	60~110	30~60	4~10	45~55	115~130
PCDØE : Ø90~145						Bore Dia : M8~M10

※본제품의 규격은 품질개선을 위하여 예고없이 변경될 수 있습니다.



# PGR142 SINGLE STAGE DIMENSIONS (UNIT : mm)

## PGR142(1단 감속기-일반형)

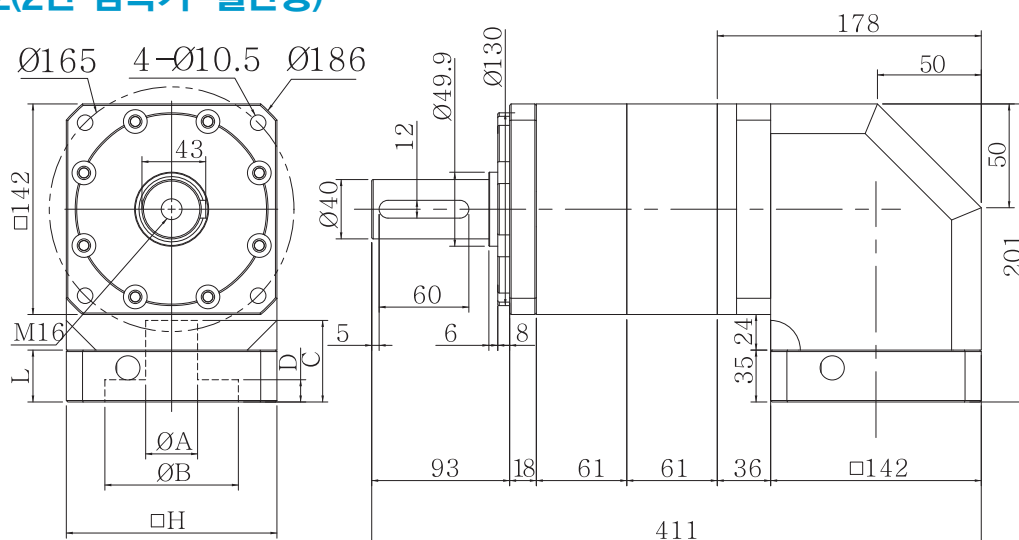


### SPECIFICATIONS

GEAR RATIO	BRACKET					
SINGLE STAGE: 3, 5, 7, 9, 10	A	B	C	D	L	H
	≤35	95~180	40~79	4~10	35~53	142~200
	PCDØE : Ø115~215    Bore Dia : M8~M13					

# PGR142 DOUBLE STAGE DIMENSIONS (UNIT : mm)

## PGR142(2단 감속기-일반형)



### SPECIFICATIONS

GEAR RATIO	BRACKET					
DOUBLE STAGE: 12, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	A	B	C	D	L	H
	≤35	95~180	40~79	4~10	35~53	142~200
	PCDØE : Ø115~215    Bore Dia : M8~M13					

※본제품의 규격은 품질개선을 위하여 예고없이 변경될 수 있습니다.