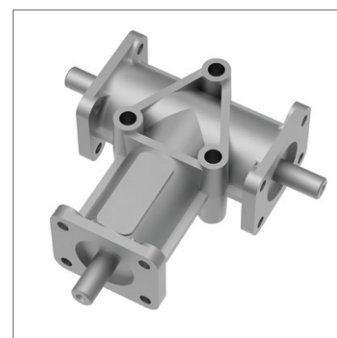
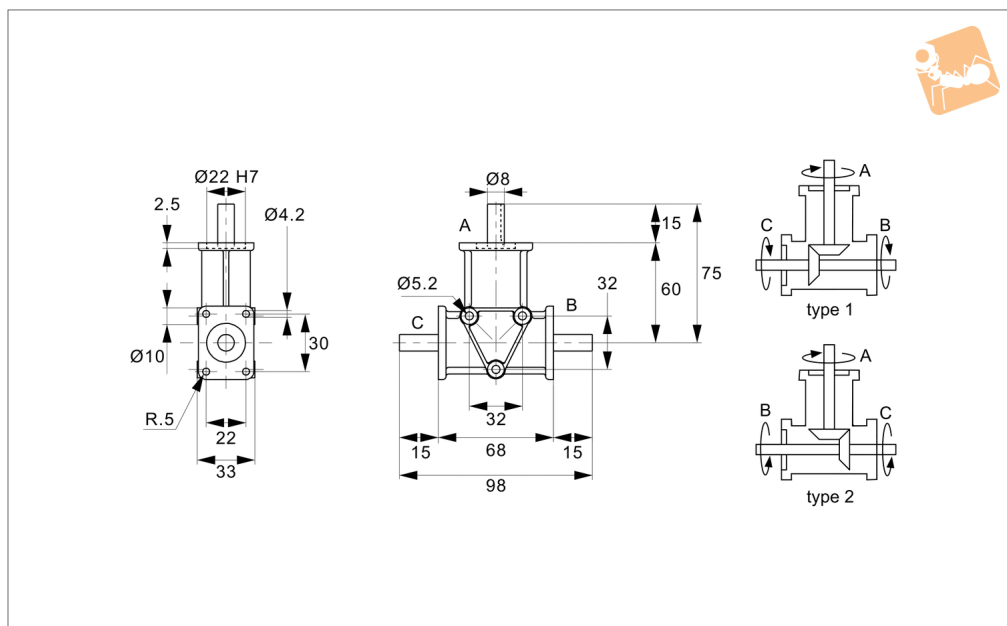




# Right Angle Drives - 3 Shafts

Ø8 shafts

## Right Angle Gear Boxes



**R2302**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum perfor-

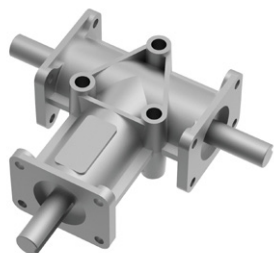
mance is based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-free life. Very low operating noise levels.  
May also be used as speed increasers (here the max. shaft input speed for a 1:2 ratio unit is 750 rpm).

Temperature range is -20°C to +80°C.

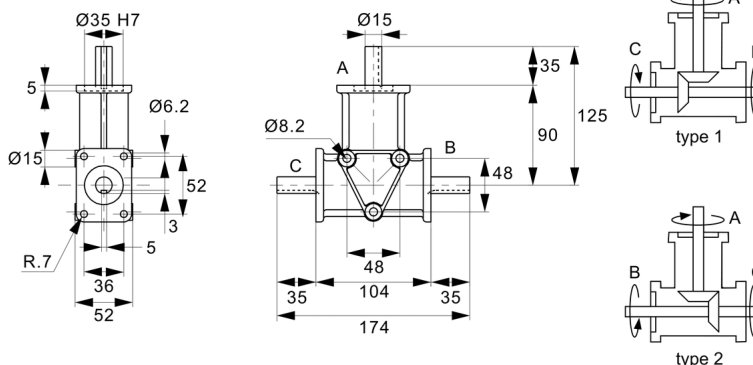
### Tips

See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2302.1	8	1:1	0.35	1.2	1.2	0.3
R2302.2	8	2:1	0.18	0.6	0.6	0.3



### R2307



#### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

#### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.  
Max. radial loading :41 Kg.  
Max. axial loading: 20 Kg.

Angular alignment: 15' to 30' of arc.

#### Tips

See technical pages for gear box selection guide,  
based on motor rating, gearing ratio, load type and expected hourly usage hours.

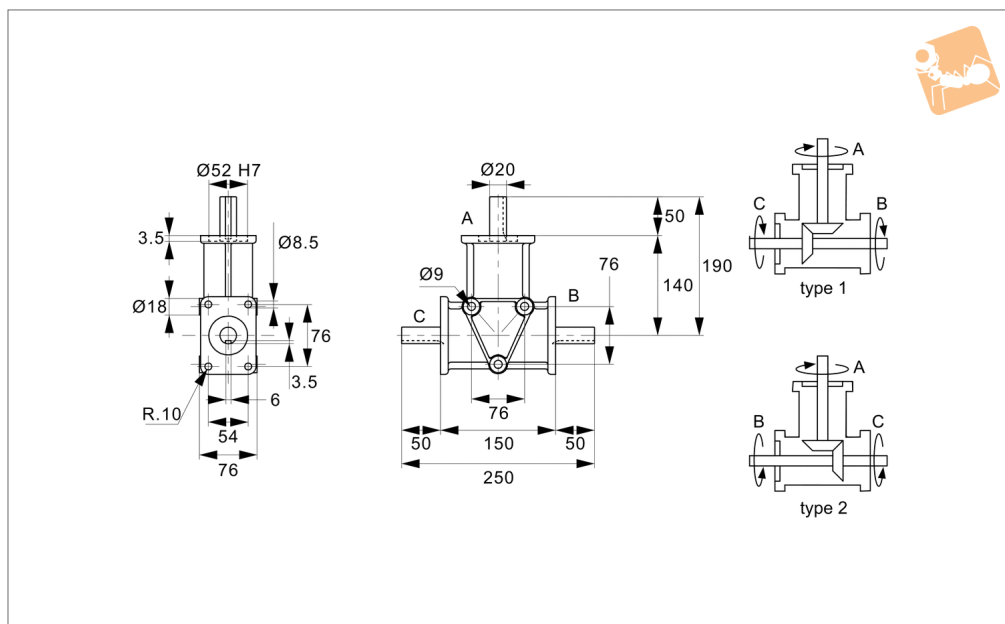
Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2307.1	15	1:1	1.29	4.4	4.4	1.2
R2307.2	15	2:1	0.66	2.25	2.25	1.2



# Right Angle Drives - 3 Shafts

Ø20 shafts

## Right Angle Gear Boxes



**R2310**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :76 Kg.

Max. axial loading: 43 Kg.

Angular alignment: 15' to 30' of arc.

### Tips

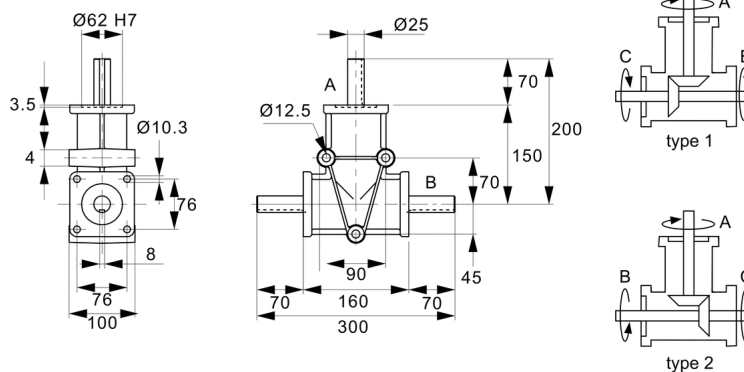
See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
<b>R2310.1</b>	20	1:1	4.00	13.6	13.6	3.5
<b>R2310.2</b>	20	2:1	2.35	8.0	8.0	3.5



### R2314

RIGHT ANGLE GEAR BOXES



#### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

#### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :88 Kg.

Max. axial loading: 49 Kg.

Angular alignment: 15' to 30' of arc.

#### Tips

See technical pages for gear box selection guide,  
based on motor rating, gearing ratio, load type and expected hourly usage hours.

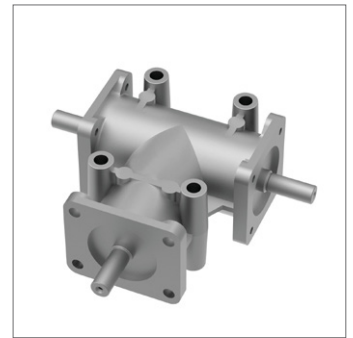
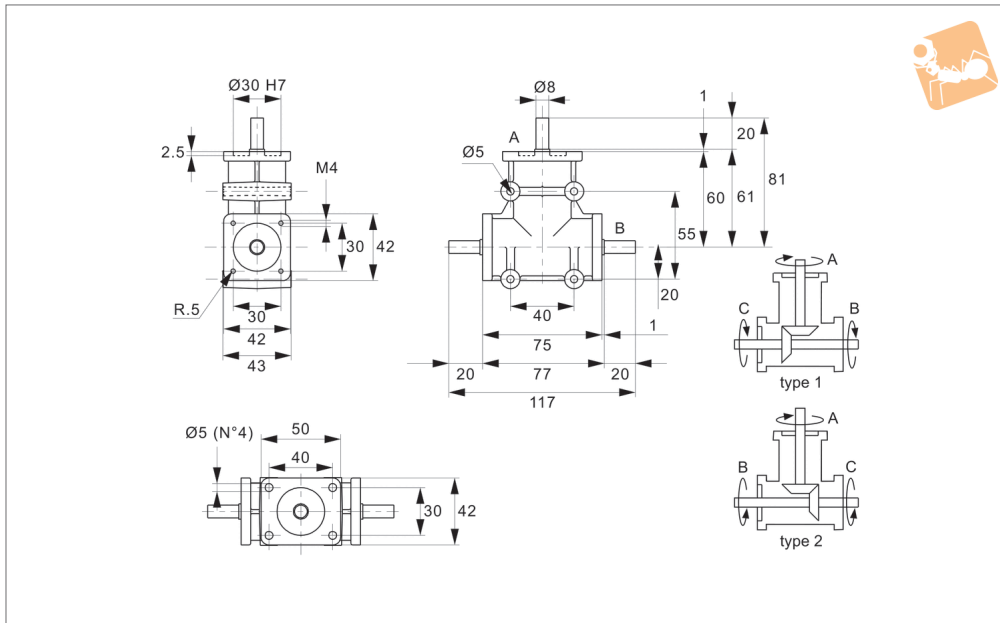
Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2314.1	25	1:1	6.50	22.0	22.0	5.8
R2314.2	25	2:1	3.67	12.5	12.5	5.8



# Right Angle Drives - 3 Shafts

Ø8 shafts

## Right Angle Gear Boxes



**R2321**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :10 Kg.

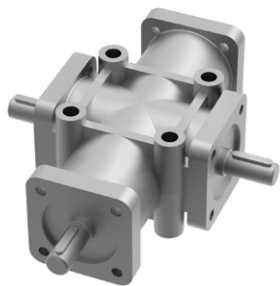
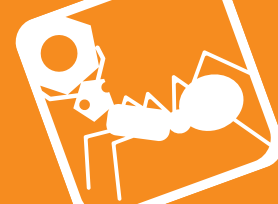
Max. axial loading: 2 Kg.

Angular alignment: 15' to 30' of arc.

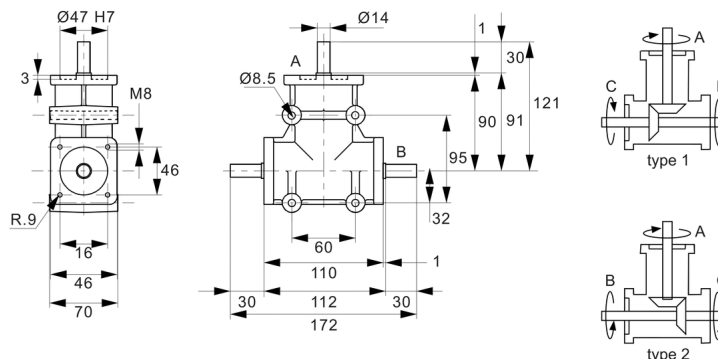
### Tips

See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2321.1	8	1:1	0.44	1.5	1.5	0.50
R2321.2	8	2:1	0.32	1.1	1.1	0.50



### R2325



#### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

#### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :25 Kg.

Max. axial loading: 5 Kg.

Angular alignment: 15' to 30' of arc.

#### Tips

See technical pages for gear box selection guide,  
based on motor rating, gearing ratio, load type and expected hourly usage hours.

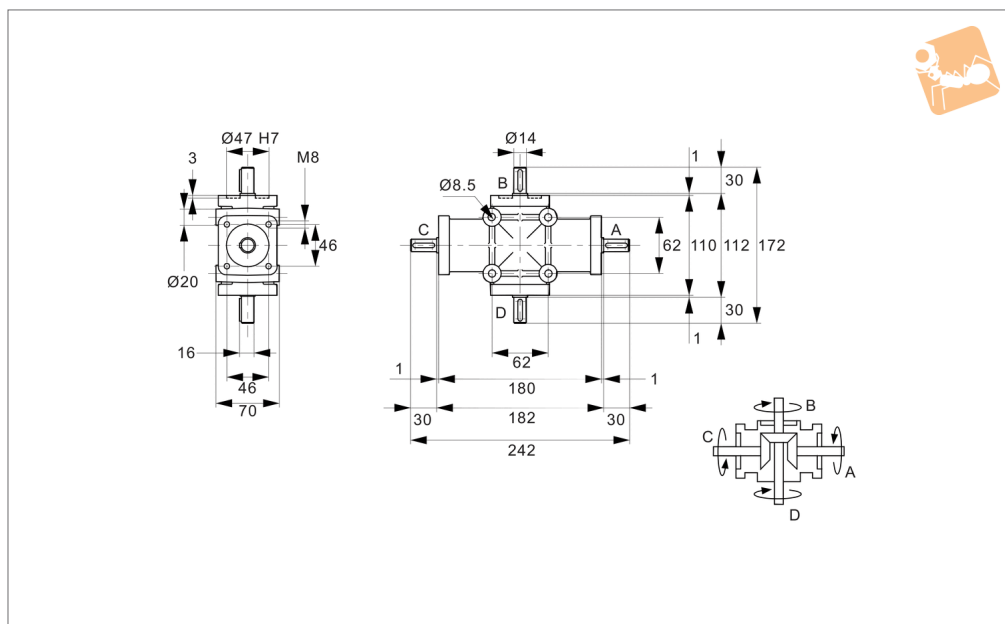
Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2325.1	14	1:1	1.91	6.50	6.50	2.0
R2325.2	14	2:1	1.47	5.00	5.00	2.0
R2325.3	14	3:1	0.99	4.75	4.75	2.0



# Right Angle Drives - 4 Shafts

Ø14 shafts

## Right Angle Gear Boxes



**R2328**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :25 Kg.

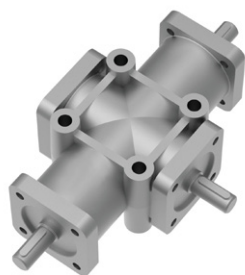
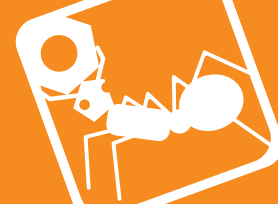
Max. axial loading: 5 Kg.

Angular alignment: 15' to 30' of arc.

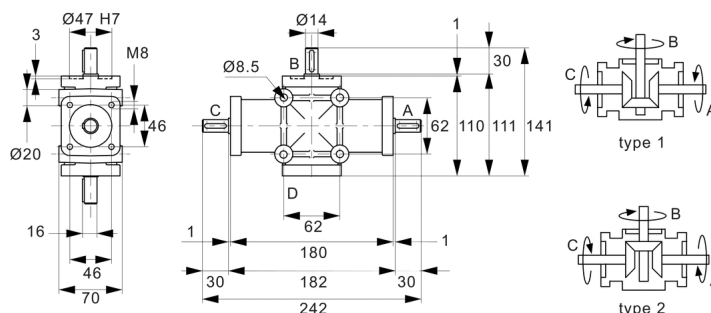
### Tips

See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia.	Gear ratio	Drive type	Input power at 1400 rpm (Shaft A) kW max.	Torque output (Shaft B) Nm max.	Torque output (Shaft C) Nm max.	Torque output (Shaft D) Nm max.	Weight kg
R2328.101	14	1:1	1 and 2	1,91	4,5	4,5	4,5	3,25
R2328.102	14	2:1	1 and 2	1,47	3,3	3,3	3,3	3,25
R2328.103	14	3:1	1 and 2	0,73	2,3	2,3	2,3	3,25



### R2329



#### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

#### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.

Provides on average 10,000 hours trouble-free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20°C to +80°C.

#### Tips

See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2329.1-1	14	1:1	1.91	6.5	6.5	3.25
R2329.2-2	14	2:1	1.47	5.0	5.0	3.25
R2329.1-3	14	3:1	0.73	3.5	3.5	3.25
R2329.2-1	14	1:1	1.91	6.5	6.5	3.25
R2329.1-2	14	2:1	1.47	5.0	5.0	3.25
R2329.2-3	14	3:1	0.73	3.5	3.5	3.25

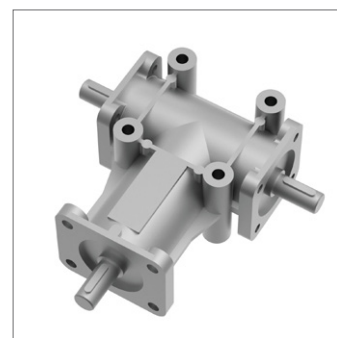
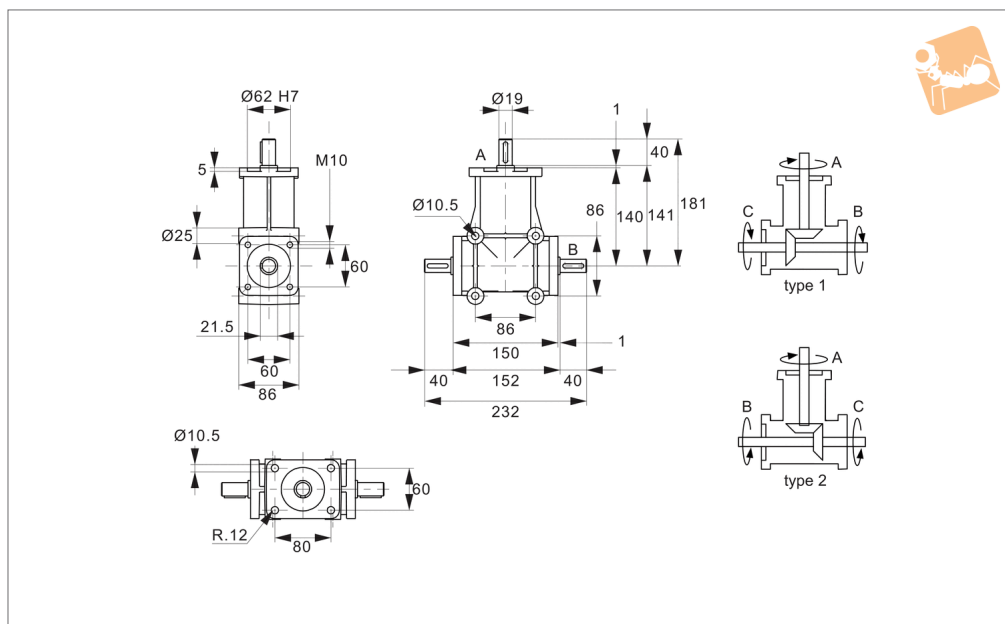




# Right Angle Drives - 3 Shafts

Ø19 shafts

## Right Angle Gear Boxes



**R2332**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.

### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :40 Kg.

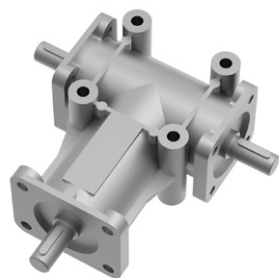
Max. axial loading: 8 Kg.

Angular alignment: 15' to 30' of arc.

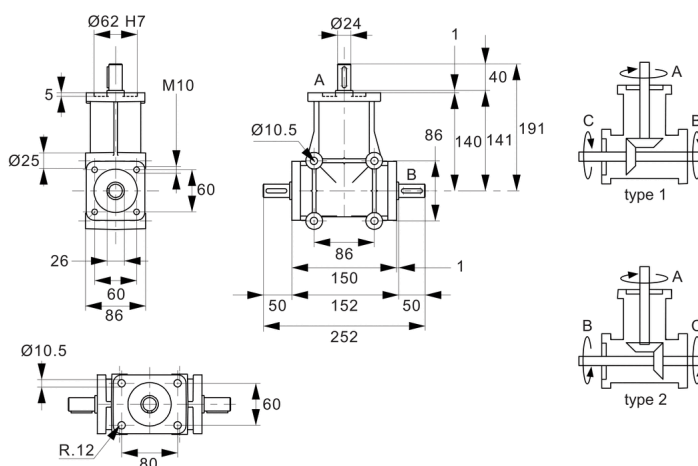
### Tips

See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2332.1	19	1:1	5.57	19.0	19.0	4.40
R2332.2	19	2:1	3.23	11.0	11.0	4.40
R2332.3	19	3:1	1.57	7.5	7.5	4.40



# R2334



Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.  
Provides on average 10,000 hours trouble-

Very low operating noise levels. Temperature range is -20° to +80°.  
Max. radial loading :80 Kg.  
Max. axial loading: 16 Kg.

See technical pages for gear box selection guide,  
based on motor rating, gearing ratio, load  
type and expected hourly usage hours.

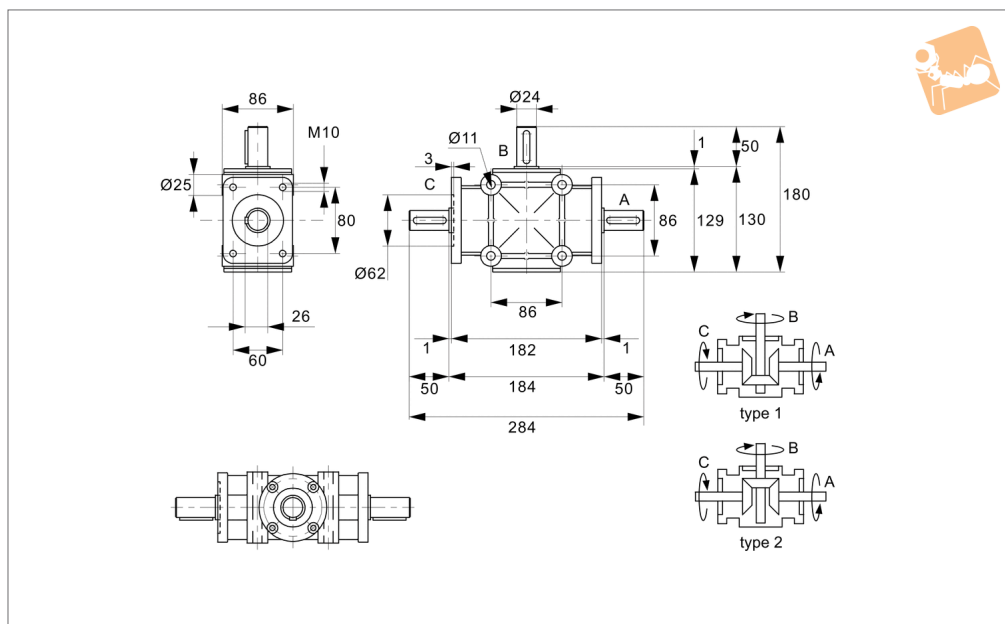
Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2334.1	24	1:1	6.7	25.0	25.0	4.40
R2334.2	24	2:1	4.1	14.0	14.0	4.40
R2334.3	24	3:1	2.2	10.5	10.5	4.40



# Right Angle Drives - 3 Shafts

Ø24 shafts

## Right Angle Gear Boxes



**R2340**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing.  
Case-hardened steel gears and shafts.  
Shafts are key-wayed.

### Technical Notes

Normally used as speed reducers.  
Shaft A is the input shaft. Optimum performance based on max. 1400 rpm input.

Provides on average 10,000 hours trouble-free life.

Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

Very low operating noise levels. Temperature range is -20° to +80°.

Max. radial loading :50 Kg.

Max. axial loading: 10 Kg.

Angular alignment: 15' to 30' of arc.

### Tips

See technical pages for gear box selection guide, based on motor rating, gearing ratio, load type and expected hourly usage hours.

Order No.	Shaft dia. tol. f7	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Output shaft C Nm max.	Weight kg
R2340.1	24	1:1	4.4	15.0	15.0	5.25
R2340.2	24	2:1	2.05	14.0	14.0	5.25
R2340.3	24	3:1	0.92	11.0	11.0	5.25