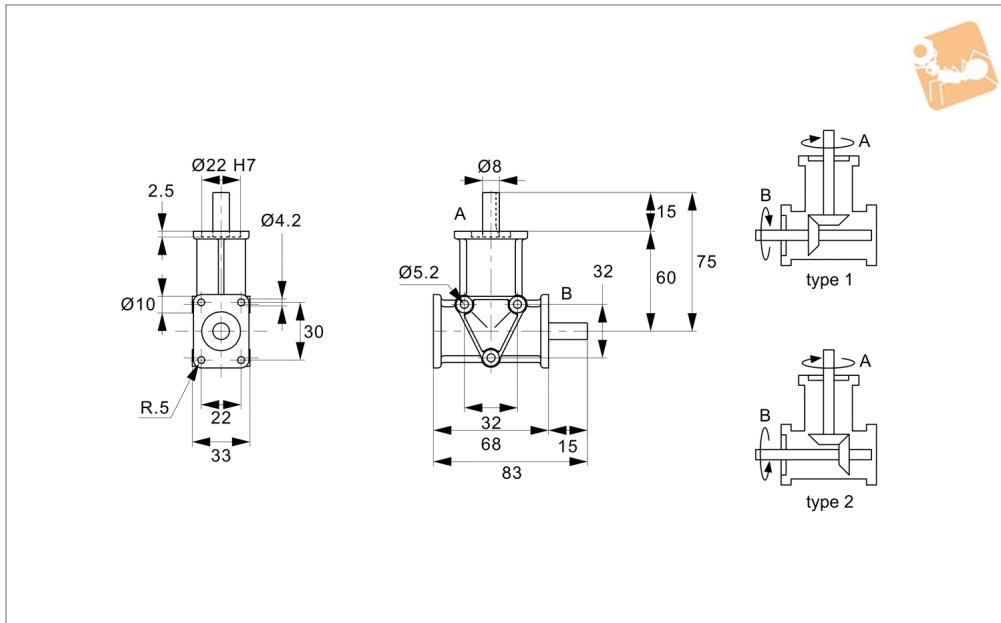




# Right Angle Drives - 2 shafts

Ø8 shafts

## Right Angle Gear Boxes



**R2300**

RIGHT ANGLE GEAR BOXES

### Material

Lightweight aluminium alloy housing. Case-hardened steel bevel 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.

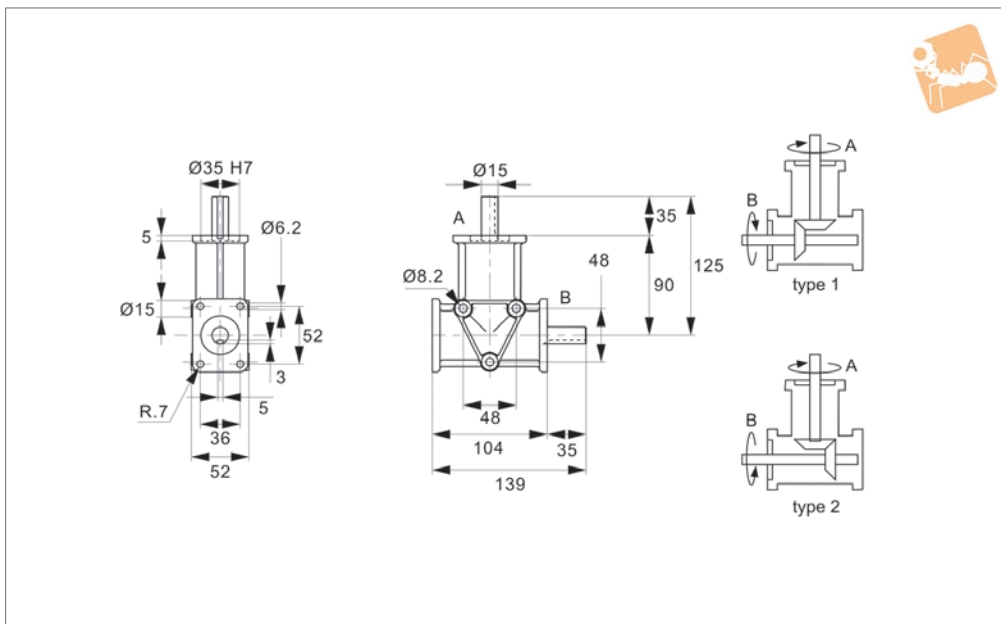
### Tips

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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2300.1-1	8	1	1:1	0.35	2.4	0.3
R2300.2-1	8	2	1:1	0.35	2.4	0.3
R2300.1-2	8	1	2:1	0.18	1.2	0.3
R2300.2-2	8	2	2:1	0.18	1.2	0.3



## R2306



### 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.

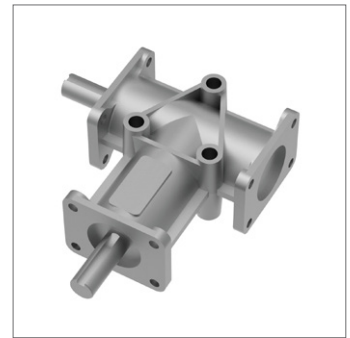
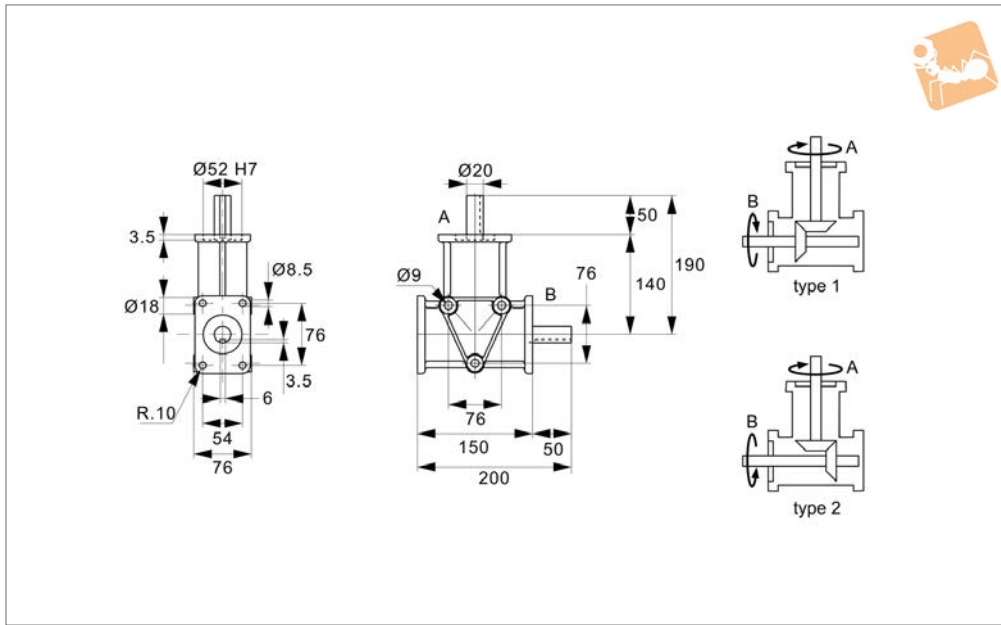
Order No.	Shaft dia. tol. f7	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2306.1-1	15	1	1:1	1.29	8.8	1.2
R2306.2-1	15	2	1:1	1.29	8.8	1.2
R2306.1-2	15	1	2:1	0.66	4.5	1.2
R2306.2-2	15	2	2:1	0.66	4.5	1.2



# Right Angle Drives - 2 Shafts

Ø20 shafts

## Right Angle Gear Boxes



**R2308**

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.

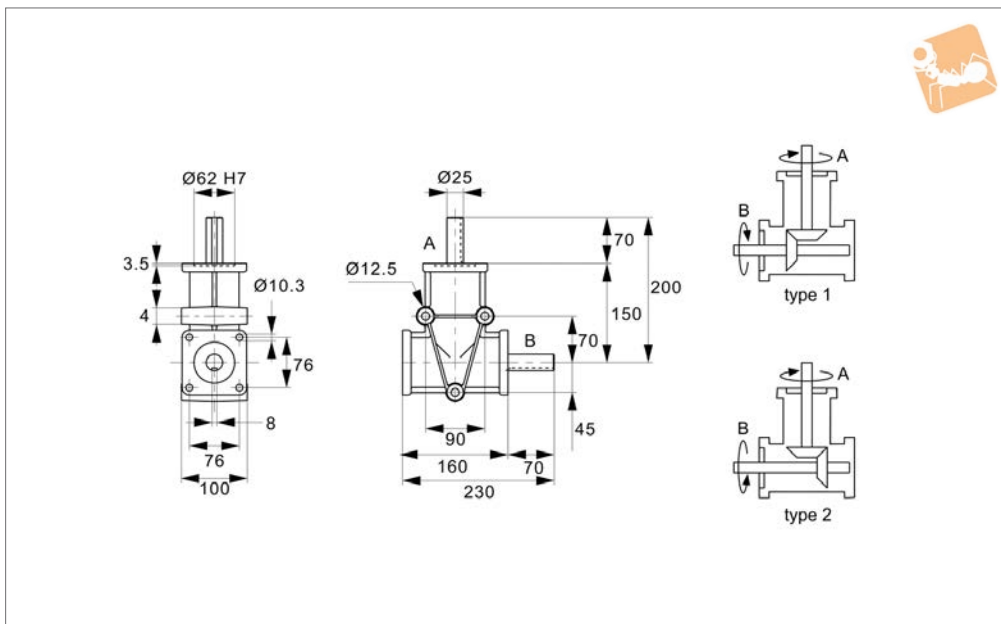
### Tips

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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2308.1-1	20	1	1:1	3.99	27.2	3.5
R2308.2-1	20	2	1:1	3.99	27.2	3.5
R2308.1-2	20	1	2:1	2.35	16.0	3.5
R2308.2-2	20	2	2:1	1.50	16.0	3.5



## R2312



### 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.

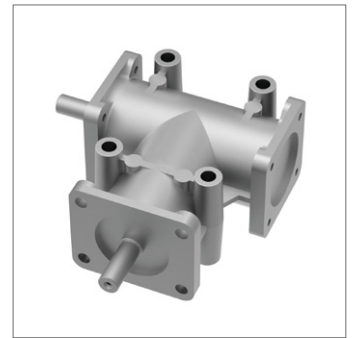
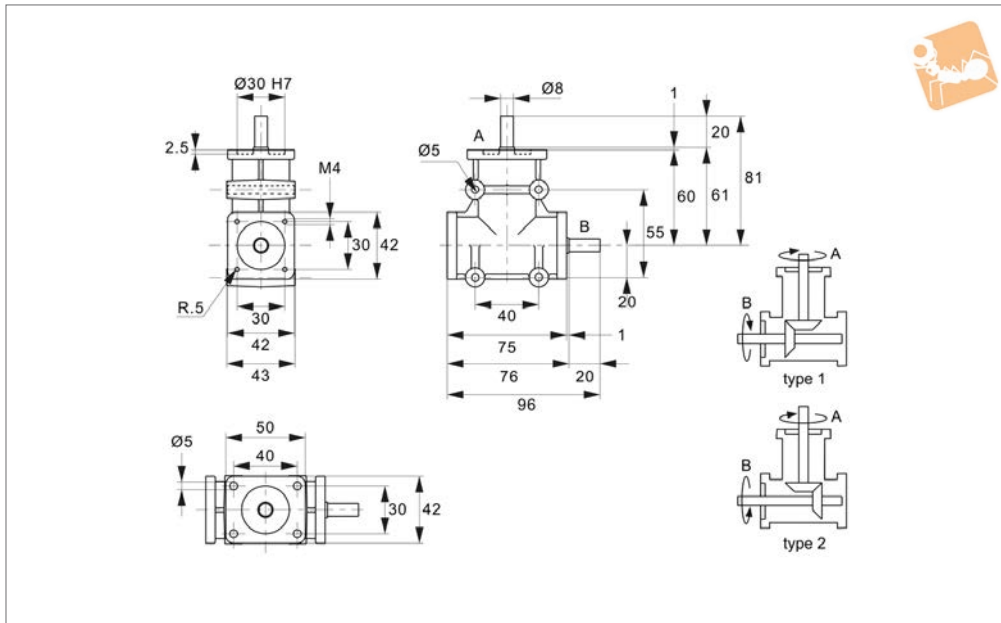
Order No.	Shaft dia. tol. f7	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2312.1-1	25	1	1:1	6.50	44.0	5.8
R2312.2-1	25	2	1:1	6.50	44.0	5.8
R2312.1-2	25	1	2:1	3.67	25.0	5.8
R2312.2-2	25	2	2:1	3.67	25.0	5.8



# Right Angle Drives - 2 Shafts

Ø8 shafts

## Right Angle Gear Boxes



**R2320**

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.

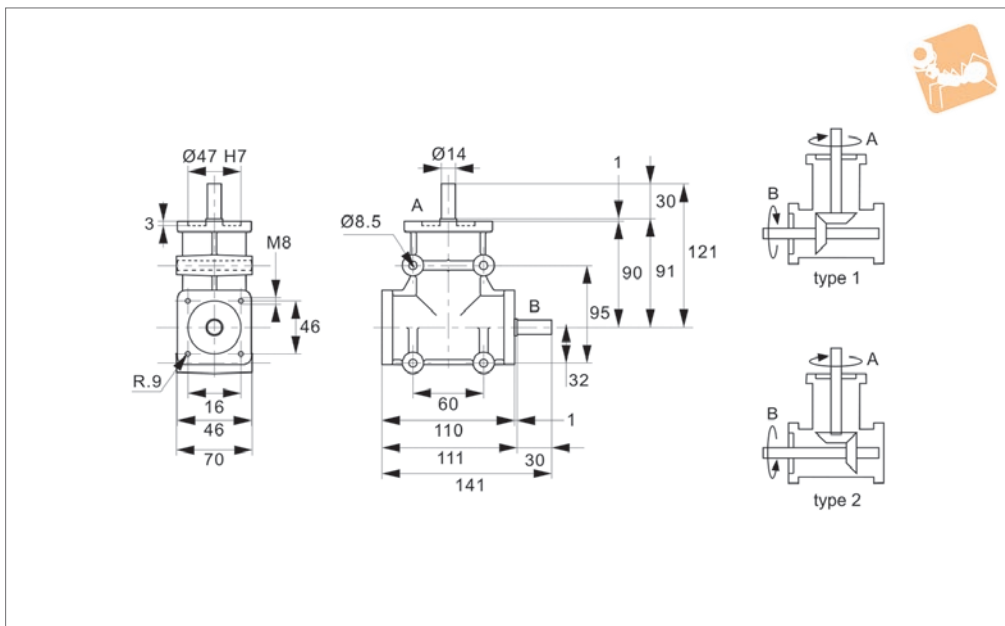
### Tips

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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2320.1-1	8	1	1:1	0.44	3.00	0.5
R2320.2-1	8	2	1:1	0.44	3.0	0.5
R2320.1-2	8	1	2:1	0.32	2.2	0.5
R2320.2-2	8	2	2:1	0.32	2.2	0.5



## R2322



### 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.

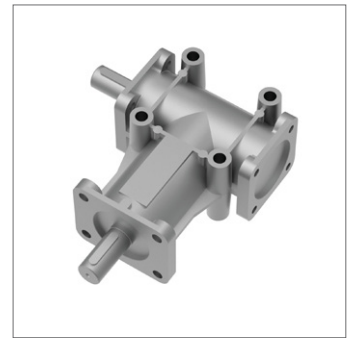
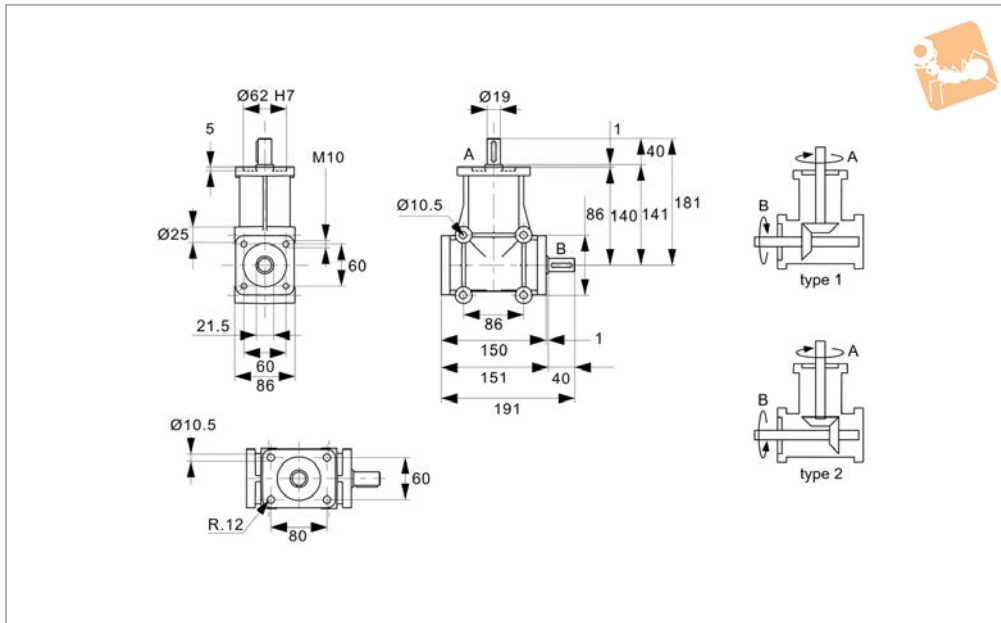
Order No.	Shaft dia. tol. f7	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2322.1-1	14	1	1:1	1.91	13.0	2.0
R2322.2-1	14	2	1:1	1.91	13.0	2.0
R2322.1-2	14	1	2:1	1.47	10.0	2.0
R2322.2-2	14	2	2:1	1.47	10.0	2.0
R2322.1-3	14	1	3:1	0.99	9.5	2.0
R2322.2-3	14	2	3:1	0.99	9.5	2.0



# Right Angle Drives - 2 Shafts

Ø19 shafts

## Right Angle Gear Boxes



**R2330**

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.

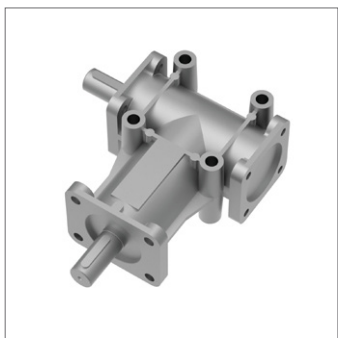
Where ratio geared units are used as speed increasers the optimum input speed is 750 rpm for 1:2 ratios.

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

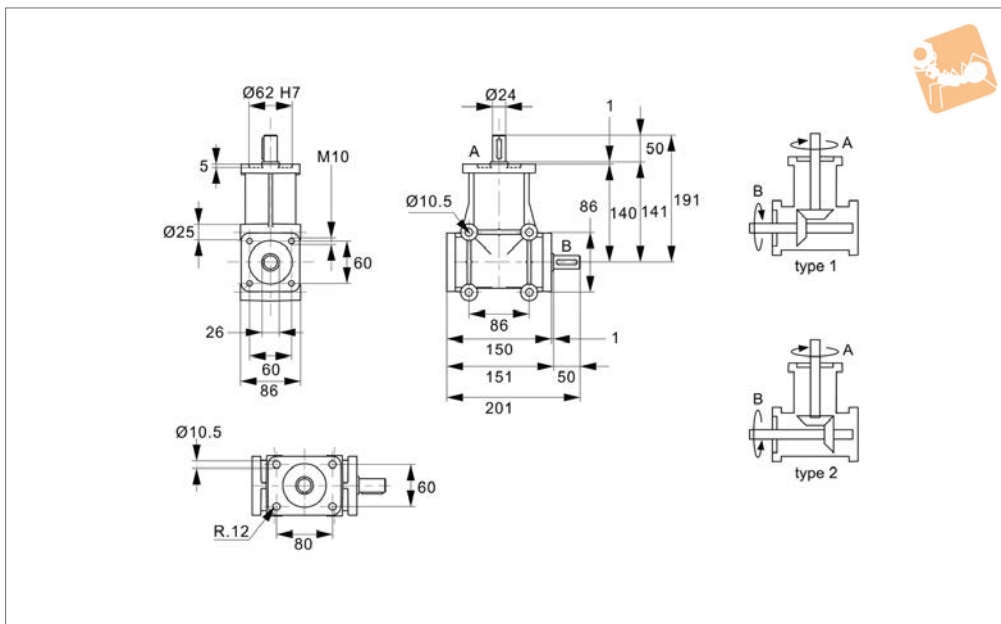
### Tips

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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2330.1-1	19	1	1:1	5.57	38.0	4.40
R2330.2-1	19	2	1:1	5.57	38.0	4.40
R2330.1-2	19	1	2:1	3.23	22.0	4.40
R2330.2-2	19	2	2:1	3.23	22.0	4.40
R2330.1-3	19	1	3:1	1.57	16.0	4.40
R2330.2-3	19	2	3:1	1.57	16.0	4.40



## R2333



### 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 :80 Kg.  
Max. axial loading: 16 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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2333.1-1	24	1	1:1	6.7	50.0	4.40
R2333.2-1	24	2	1:1	6.7	50.0	4.40
R2333.1-2	24	1	2:1	4.1	28.0	4.40
R2333.2-2	24	2	2:1	4.1	28.0	4.40
R2333.1-3	24	1	3:1	2.2	21.0	4.40
R2333.2-3	24	2	3:1	2.2	21.0	4.40

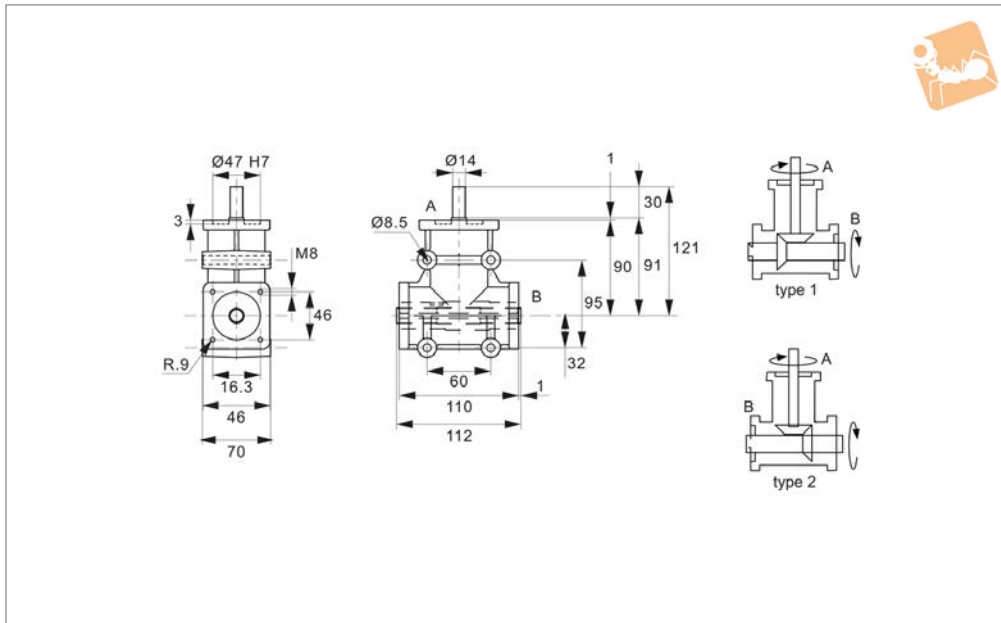




# Right Angle Drives - Hollow 2 Shafts

Ø14 shafts

## Right Angle Gear Boxes



**R2336**

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  $-20^{\circ}$  to  $+80^{\circ}$ .

Max. radial loading :25 Kg.

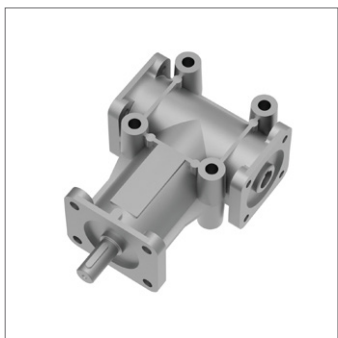
Max. axial loading: 5 Kg.

Angular alignment:  $15'$  to  $30'$  of arc.

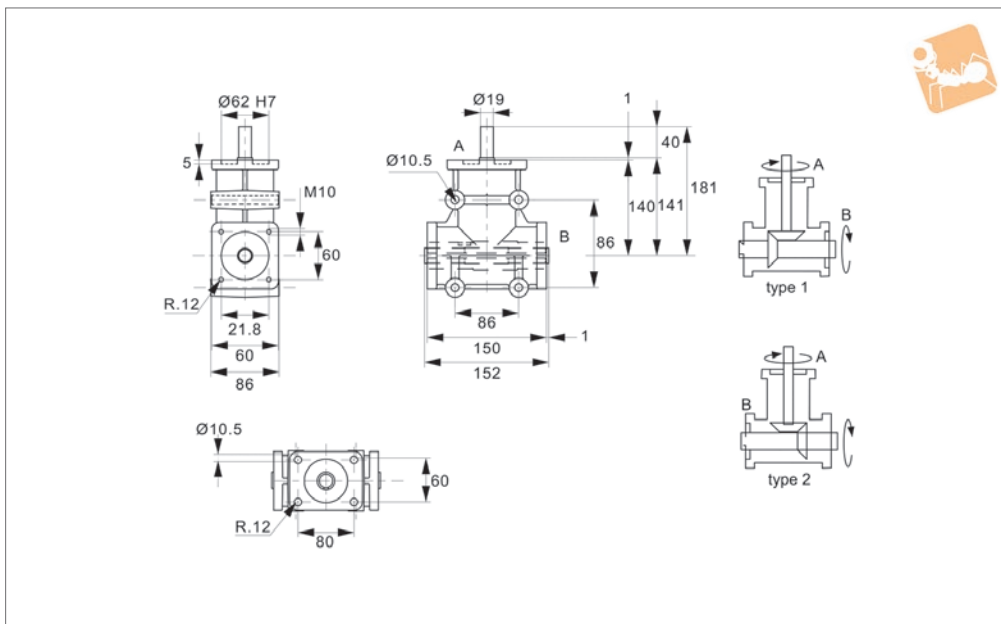
### Tips

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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2336.1-1	14	1	1:1	2.49	17.0	2.0
R2336.2-1	14	2	1:1	2.49	17.0	2.0
R2336.1-2	14	1	2:1	2.05	14.0	2.0
R2336.2-2	14	2	2:1	2.05	14.0	2.0
R2336.1-3	14	1	3:1	0.63	6.0	2.0
R2336.2-3	14	2	3:1	0.63	6.0	2.0



## R2338



### 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	Type	Ratio	Input shaft A kW max.	Output shaft B Nm max.	Weight kg
R2338.1-1	19	1	1:1	5.57	38.0	4.8
R2338.2-1	19	2	1:1	5.57	38.0	4.8
R2338.1-2	19	1	2:1	3.23	22.0	4.8
R2338.2-2	19	2	2:1	3.23	22.0	4.8
R2338.1-3	19	1	3:1	1.68	16.0	4.8
R2338.2-3	19	2	3:1	1.68	16.0	4.8