Stainless steel Worm and wheel motorgearbox

Create your set

For food industry

Supporting feet **RFV-FP** **(tome 2 p.344)**

Protective cover closed **RFV-CAP** **(tome 2 p.345)**

Motor 0,18kW to 1,5kW **(tome 2 p.336)**

Gear reducer **RFV40**, **RFV50**, **RFV63**, Reduction ratio of 7,5/1 to 100/1, 3 flanges to choose depending on the motor selected

RFV-CAP protective cover **(tome 2 p.345)** open or closed to prevent material retention in the output bore

Reaction arm **RFV-BR** **(tome 2 p.343)** to better support the load

** See data sheet* **(tome 2 p.270)**

Stainless steel hypoid motorgearbox

Create your set*
Boost your performance!

Create your set

For food industry

RFK Hypoid gear reducer
(tome 2 p.348)

+

Asynchronous AC motor
DER (tome 2 p.336)

+

Accessorise

Reaction arm
RFK$_{BR}$
(tome 2 p.343)

Foot for gearbox
RFK$_{FPSS}$
(tome 2 p.344)

RFK-CAP protective cover
(tome 2 p.345)

** See data sheet* **(tome 2 p.270)**

ADVANTAGES

+ **Silencer**
+ **Economic**
  (find out why*)
+ **Better performance**
+ **Reduction ratio up to 300/1**

* Possibility of selecting a smaller motor than for a worm and wheel motorgearbox, less expensive, less energy consuming

Stainless steel AC asynchronous motor 0.18 kW Sta

DER63

Torque up to 3.49 Nm

- **3 phase asynchronous motor ideal for use in the food industry**
- B14 or B5 flange
- 4 pole motor
- Speed under no load: 1,420 rpm
- Supply voltage 230/400 VAC
- All surfaces smooth and polished to avoid dirt retention
- Enclosed housing, no ventilation
- Sealed terminal box
- Ingress protection IP66
- Insulation class ISO F
- Material:
  Stainless steel 304

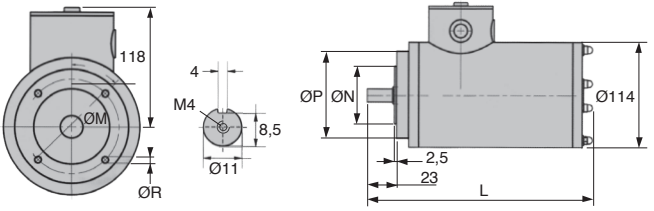
Suitable for the food industry

Option

- Motor with B3 flange

Accessories

- **RFV, RFK** Stainless steel gearbox to create a motorised gearbox **(tome 2 p.340), (tome 2 p.348)**



Flange dimensions

	Bride	ØR	ØP	ØM	ØN
DER63-A4-B14/SS	B14	M5	90	75	60
DER63-A4-B5/SS	B5	10	140	115	95

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

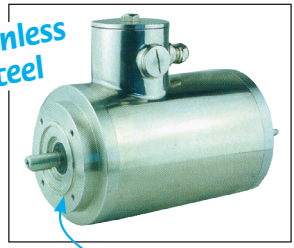
Part number	L	Power (kW)	Current (A)	Effi-ciency	Power factor	Torque Nominal Tn (Nm)	Torque Starting Ts (Nm)	Torque Max Tmax (Nm)	Is (A)	Weight (kg)	Price each
Bride B14											
DER63-A4-B14/SS	237	0,18	0,55	69,90%	0,69	1,21	3,10	3,10	3,70	9,40	668,10 €
Bride B5											
DER63-A4-B5/SS	237	0,18	0,55	66,90%	0,69	1,21	3,10	3,10	3,70	9,40	753,68 €

Dimensions in mm

Sta Stainless steel AC asynchronous motor 0.25 to 0.37 kW

Torque up to 6.37 Nm — DER71

- **3 phase asynchronous motor ideal for use in the food industry**
- B14 flange
- 4 pole motor
- Speed under no load: 1,500 rpm
- Supply voltage 230/400 VAC
- All surfaces smooth and polished to avoid dirt retention
- Enclosed housing, no ventilation
- Sealed terminal box
- Ingress protection IP66
- Insulation class ISO F
- Material:
  Stainless steel 304



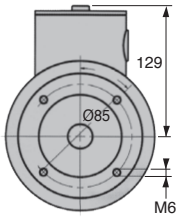
Suitable for the food industry

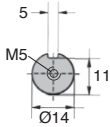
Option

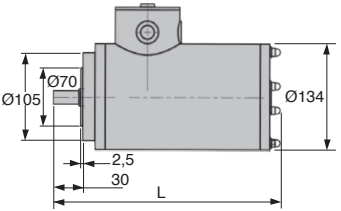
- Motor with B5 flange

Accessories

- **RFV, RFK** Stainless steel gearbox to create a motorised gearbox
  (tome 2 p.340), (tome 2 p.348)







DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

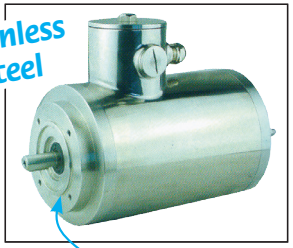
Part number	L	Power (kW)	Current (A)	Effi-ciency	Power factor	Torque Nominal Tn (Nm)	Torque Starting Ts (Nm)	Torque Max Tmax (Nm)	Is (A)	Weight (kg)	Price each
DER71-A4-B14/SS	243	0,25	0,64	77,50%	0,76	1,65	3,58	3,58	3,0	12	749,62 €
DER71-B4-B14/SS	253	0,37	0,96	79,20%	0,74	2,46	6,4	6,37	5,0	13	780,04 €

Dimensions in mm

Stainless steel AC asynchronous motor 0.55 to 0.75 kW Sta

DER80 — Torque up to 17.46 Nm

- **3 phase asynchronous motor ideal for use in the food industry**
- B14 flange
- 4 pole motor
- Speed under no load: 1,500 rpm
- Supply voltage 230/400 VAC
- All surfaces smooth and polished to avoid dirt retention
- Enclosed housing, no ventilation
- Sealed terminal box
- Ingress protection IP66
- Insulation class ISO F
- Material:
  Stainless steel



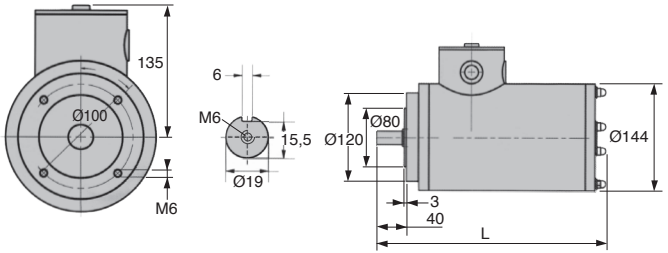
Suitable for the food industry

Option

- Motor with B5 flange

Accessories

- **RFV, RFK** Stainless steel gearbox to create a motorised gearbox
  (tome 2 p.340), (tome 2 p.348)



DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

Part number	L	Power (kW)	Current (A)	Efficiency	Power factor	Torque Nominal Tn (Nm)	Torque Starting Ts (Nm)	Torque Max Tmax (Nm)	Is (A)	Weight (kg)	Price each
DER80-A4-B14/SS	308	0,55	1,33	84,20%	0,75	3,62	10,50	10,50	8,10	18,9	912,25 €
DER80-B4-B14/SS	348	0,75	1,81	85,20%	0,74	4,91	17,46	17,46	12,59	21,0	1 024,20 €

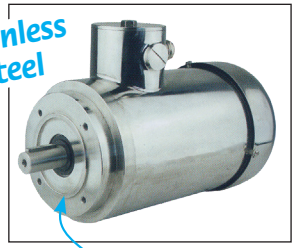
Dimensions in mm

Sta Asynchronous stainless steel motor 1.1 to 1.5kW

Torque up to 33 Nm

DER90

- **3 phase asynchronous motor ideal for use in the food industry**
- B14 flange
- 4 pole motor
- Speed under no load: 1,500 rpm
- Supply voltage 230/400 VAC
- All surfaces smooth and polished to avoid dirt retention
- Enclosed housing, no ventilation
- Sealed terminal box
- Ingress protection IP66
- Insulation class ISO F
- Material:
  Stainless steel



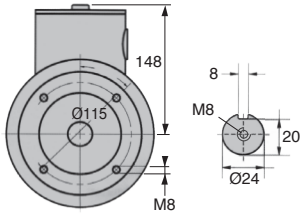
Suitable for the food industry

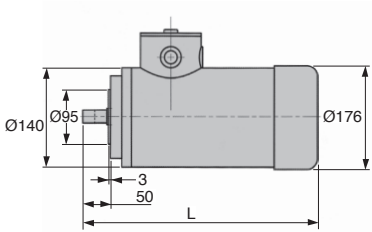
Option

- Motor with B5 flange

Accessories

- **RFV, RFK** Stainless steel gearbox to create a motorised gearbox
  (tome 2 p.340), (tome 2 p.348)





DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

Part number	L	Power (kW)	Current (A)	Effi-ciency	Power factor	Torque Nominal Tn (Nm)	Torque Starting Ts (Nm)	Max Tmax (Nm)	Is (A)	Weight (kg)	Price each
DER90-S4-B14/SS	352	1,1	2,45	84,30%	0,81	7,35	20,08	20,08	15,20	23,9	1 450,57 €
DER90-L4-B14/SS	368	1,5	3,3	85,10%	0,81	9,93	33,00	33,00	23,50	28,9	1 536,32 €

Dimensions in mm

Stainless steel worm and wheel gearbox

RFV40

Torque up to 40Nm

- ***Gearbox especially suitable for use in the food industry***
- *Ratios from 7.5:1 to 100:1*
- *B14 flange*
- *All surfaces smooth and polished to avoid dirt retention*
- *Lubricated using food quality grease*
- *Working temperature: -20° to +40 °C*
- *Material:*
  316 stainless steel housing

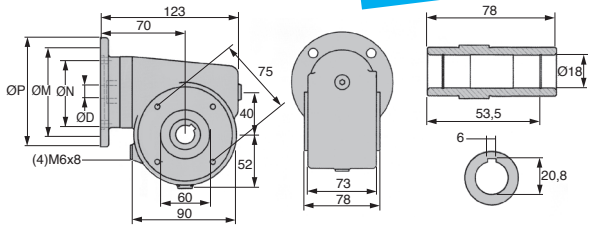
Suitable for the food industry

Info

- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc*

Accessories

- *Use with a* **DER** *4 pole motor to create a motorised gearbox* ***(tome 2 p.336)***
- **RFV**$_{BR}$ *torque arm,* **RFV**$_{FP}$ *mounting feet and* **RFV**$_{CAP}$ *protective covers* ***(tome 2 p.343 to p.345)***



FLANGE DIMENSIONS

	ØD	ØP	ØM	ØN
63B14 flange	11	90	75	60
71B14 flange	14	105	85	70

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

Part number 63B14 flange	Part number 71B14 flange	Max. Torque at 1400 rpm (Nm)	Ratio	Static self-locking output	Price each
-	RFV40-7,5-71B14/SS	37	7,5	No	694,29 €
-	RFV40-10-71B14/SS	40	10	No	694,29 €
-	RFV40-15-71B14/SS	40	15	No	694,29 €
RFV40-20-63B14/SS	RFV40-20-71B14/SS	39	20	Not defined	694,29 €
RFV40-25-63B14/SS	RFV40-25-71B14/SS	36	25	Not defined	694,29 €
RFV40-30-63B14/SS	RFV40-30-71B14/SS	40	30	Yes	694,29 €
RFV40-40-63B14/SS	RFV40-40-71B14/SS	40	40	Yes	694,29 €
RFV40-50-63B14/SS	-	39	50	Yes	694,29 €
RFV40-60-63B14/SS	-	36	60	Yes	694,29 €
RFV40-80-63B14/SS	-	30	80	Yes	694,29 €

Dimensions in mm

Stainless steel worm and wheel gearbox

Torque up to 75Nm

RFV50

- ***Gearbox especially suitable for use in the food industry***
- Ratios from 7.5:1 to 100:1
- B14 flange
- All surfaces smooth and polished to avoid dirt retention
- Lubricated using food quality grease
- Working temperature: -20° to +40 °C
- Material:
  316 stainless steel housing

stainless steel

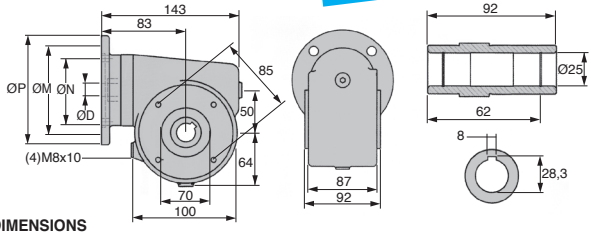
Suitable for the food industry

Info

- All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc

Accessories

- Use with a **DER** 4 pole motor to create a motorised gearbox **(tome 2 p.336)**
- **RFVBR** torque arm, **RFVFP** mounting feet and **RFVCAP** protective covers **(tome 2 p.343 to p.345)**



FLANGE DIMENSIONS

	ØD	ØP	ØM	ØN
63B14 flange	11	90	75	60
71B14 flange	14	105	85	70
80B14 flange	19	120	100	80

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

Part number 63B14 flange	Part number 71B14 flange	Part number 80B14 flange	Max. Torque at 1400 rpm (Nm)	Ratio	Static self-locking output	Price each
-	-	RFV50-7,5-80B14/SS	67	7,5	No	741,94 €
-	RFV50-10-71B14/SS	RFV50-10-80B14/SS	75	10	No	741,94 €
-	RFV50-15-71B14/SS	RFV50-15-80B14/SS	75	15	No	741,94 €
-	RFV50-20-71B14/SS	RFV50-20-80B14/SS	74	20	Not defined	741,94 €
-	RFV50-25-71B14/SS	RFV50-25-80B14/SS	64	25	Not defined	741,94 €
-	RFV50-30-71B14/SS	RFV50-30-80B14/SS	75	30	Yes	741,94 €
RFV50-40-63B14/SS	RFV50-40-71B14/SS	-	75	40	Yes	741,94 €
RFV50-50-63B14/SS	RFV50-50-71B14/SS	-	69	50	Yes	741,94 €
RFV50-60-63B14/SS	RFV50-60-71B14/SS	-	67	60	Yes	741,94 €
RFV50-80-63B14/SS	-	-	60	80	Yes	741,94 €
RFV50-100-63B14/SS	-	-	57	100	Yes	741,94 €

Dimensions in mm

Stainless steel worm and wheel gearbox

RFV63 — Torque up to 140Nm

- ***Gearbox especially suitable for use in the food industry***
- *Ratios from 7.5:1 to 100:1*
- *B14 flange*
- *All surfaces smooth and polished to avoid dirt retention*
- *Lubricated using food quality grease*
- *Working temperature: -20° to +40 °C*
- *Material:*
  316 stainless steel housing

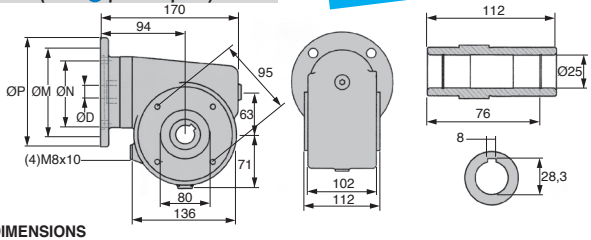
Info

- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc*

Accessories

- *Use with a* **DER** *4 pole motor to create a motorised gearbox* ***(tome 2 p.336)***
- **RFV$_{BR}$** *torque arm,* **RFV$_{FP}$** *mounting feet and* **RFV$_{CAP}$** *protective covers* ***(tome 2 p.343 to p.345)***

Suitable for the food industry



FLANGE DIMENSIONS

	ØD	ØP	ØM	ØN
71B14 flange	14	105	85	70
80B14 flange	19	120	100	80
90B14 flange	24	140	115	95

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

Part number 71B14 flange	Part number 80B14 flange	Part number 90B14 flange	Maxi. Torque at 1400 rpm(Nm)	Ratio	Static self-locking output	Price each
-	-	RFV63-7,5-90B14/SS	120	7,5	No	971,81 €
-	-	RFV63-10-80B14/SS	112	10	No	874,23 €
-	RFV63-15-80B14/SS	RFV63-15-80B14/SS	120	15	No	971,81 €
-	RFV63-20-80B14/SS	RFV63-20-90B14/SS	112	20	Not defined	971,81 €
-	RFV63-25-80B14/SS	-	126	25	Not defined	971,81 €
-	RFV63-30-80B14/SS	-	139	30	Yes	971,81 €
RFV63-40-71B14/SS	RFV63-40-80B14/SS	-	131	40	Yes	971,81 €
RFV63-50-71B14/SS	RFV63-50-80B14/SS	-	122	50	Yes	971,81 €
RFV63-60-71B14/SS	-	-	114	60	Yes	971,81 €
RFV63-80-71B14/SS	-	-	104	80	Yes	971,81 €
RFV63-100-71B14/SS	-	-	96	100	Yes	971,81 €

Dimensions in mm

Stainless steel torque arm

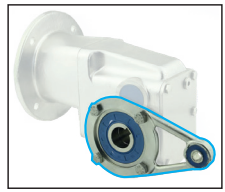
for worm and wheel gearbox

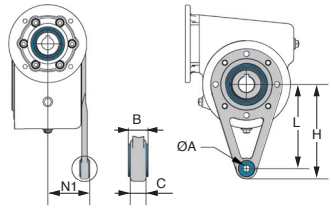
RFV$_{BR}$
RFK$_{BR}$

- ***Torque arm for RFV and RFK gearboxes***
- *Mounts on gearbox output*
- *Material:*
  316 stainless steel

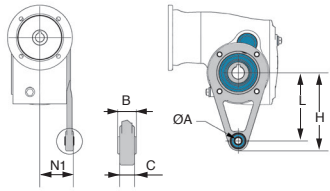
Accessories

- **RFV, RFK** *gearbox*
  (tome 2 p.340 et 348)





For RFV gearbox



For RFK gearbox

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

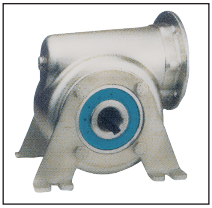
Part number	L	H	N1	N2	B	C	ØA	For gearbox	Price each
RFV40-BR/SS	100	116	47,3	-	15	12	10,5	RFV40	56,48 €
RFV50-BR/SS	100	116	55,3	55,30	15	12	10,5	RFV50-RFK28	59,22 €
RFV63-BR/SS	150	166	55,3	64,80	15	12	10,5	RFV63-RFK38	57,01 €
RFK48-BR/SS	200	225	-	74,30	26	23	20,5	RFK48	129,06 €
RFK58-BR/SS	200	225	-	85,55	26	23	20,5	RFK58	145,57 €

Dimensions in mm

Stainless steel mounting bracket

RFVFP — For worm and wheel gearboxes

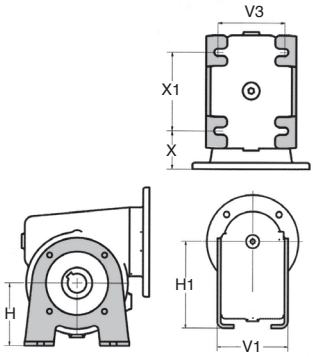
- ***Supports RFV gearbox***
- *Inward or outward facing*
- *Sold in pairs*
- *Material:*
  316 stainless steel



Accessories

- *worm and wheel gearbox* **RFV**
  (tome 2 p.340)

Suitable for the food industry



Brackets facing inwards

Brackets facing outwards

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-5%	On request

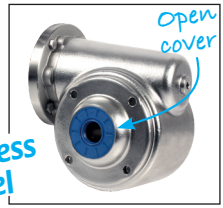
Part number	H	H1	V	V1	X	X1	V2	V3	Price each
RFV40-FP/SS	50	90	111	83	35	70	95	60	96,33 €
RFV50-FP/SS	60	110	131	97	40	80	114	70	105,21 €
RFV63-FP/SS	72	135	156	116	45	100	137	85	128,05 €

Dimensions in mm

Protective cover

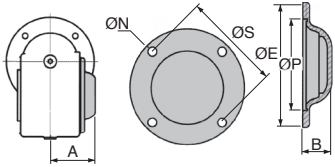
RFV CAP
RFK CAP

- **Protective cover to prevent dirt etc from lodging in the output shaft of RFV stainless steel worm and wheel gearboxes and RFK stainless steel hypoid gearboxes**
- For full protection, use one cover on each side of the gearbox
- Materiel:
  316 stainless steel

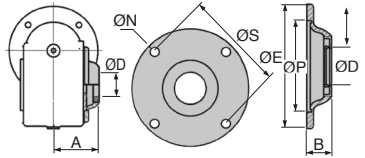


Accessories

- **RFV, RFK** gearbox
  (tome 2 p.340 and 348)



Closed cover RFV-CAP-F/SS and RFK-CAP-F/SS



Open cover RFV-CAP-AT/SS and RFK-CAP-AT/SS

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number	ØE	ØP	ØD	B	A	ØS	ØN	For gearbox	Price each
Closed cover									
RFV40-CAP-F/SS	90	60	-	20,0	56,5	75	6,5	RFV40	38,00 €
RFV50-CAP-F/SS	100	70	-	20,5	64,0	85	8,5	RFV50-RFK28	46,87 €
RFV63-CAP-F/SS	110	80	-	26,0	79,0	95	8,5	RFV63-RFK38	55,76 €
RFK48-CAP-F/SS	140	95	-	28,0	85,0	115	8,5	RFK48	71,90 €
RFK58-CAP-F/SS	160	110	-	28,0	95,0	130	10,5	RFK58	88,33 €
Open cover for transversal shaft									
RFV40-CAP-AT/SS	90	60	18	17,0	53,5	75	6,5	RFV40	41,81 €
RFV50-CAP-AT/SS	100	70	25	17,0	61,0	85	8,5	RFV50	49,41 €
RFK28-CAP-AT/SS	100	70	20	17,0	61,0	85	8,5	RFK28	44,16 €
RFV63-CAP-AT/SS	110	80	25	22,0	75,0	95	8,5	RFV63-RFK38	58,29 €
RFK48-CAP-AT/SS	140	95	30	28,0	85,0	115	8,5	RFK48	73,96 €
RFK58-CAP-AT/SS	160	110	35	28,0	95,0	130	10,5	RFK58	90,38 €

Dimensions in mm

Stainless steel worm and wheel gearbox

RFV

Motor and gearbox selection table

Power P1n (kW)	Ouptut speed (rpm)	Output torque M_{2n} (Nm)	Reduction ratio	F_{r2} (N)	Service factor Fs	Gearbox	Motor
0,18	70	19	20/1	1824	2,1	RFV40	DER63-A4-B14/SS
	56	23	25/1	1964	1,7		
	46,7	25	30/1	2087	1,8		
	35	32	40/1	2298	1,3		
	28	37	50/1	2475	1,0		
	35	33	40/1	3153	2,3	RFV50	DER63-A4-B14/SS
	28	39	50/1	3397	1,9		
	23,3	43	60/1	3610	1,6		
	17,5	52	80/1	3973	1,2		
0,25	186,7	11	7,5/1	1315	3,6	RFV40	DER71-A4-B14/SS
	140	14	10/1	1447	2,8		
	93,3	20	15/1	1657	2,0		
	70	26	20/1	1824	1,5		
	56	32	25/1	1964	1,3		
	46,7	35	30/1	2087	1,2		
	70	27	20/1	2503	2,7	RFV50	DER71-A4-B14/SS
	56	32	25/1	2696	2,2		
	46,7	36	30/1	2865	2,3		
	35	46	40/1	3153	1,7		
	28	54	50/1	3397	1,4		
	23,3	60	60/1	3610	1,1		
	28	55	50/1	4440	2,4	RFV63	DER71-A4-B14/SS
	23,3	63	60/1	4719	2,0		
	17,5	76	80/1	5193	1,6		
	14	87	100/1	5595	1,4		
0,37	186,7	16	7,5/1	1315	2,5	RFV40	DER71-B4-B14/SS
	140	21	10/1	1447	1,9		
	93,3	30	15/1	1657	1,3		
	70	39	20/1	1824	1,0		
	140	21	10/1	1987	3,4	RFV50	DER71-B4-B14/SS
	93,3	31	15/1	2274	2,4		
	70	39	20/1	2503	1,9		
	56	47	25/1	2696	1,5		
	46,7	54	30/1	2865	1,6		
	35	68	40/1	3153	1,1		
	35	70	40/1	4122	2,1	RFV63	DER71-B4-B14/SS
	28	82	50/1	4440	1,6		
	23,3	94	60/1	4719	1,4		
	17,5	113	80/1	5193	1,1		
0,55	186,7	24	7,5/1	1805	2,9	RFV50	DER80-A4-B14/SS
	140	32	10/1	1987	2,3		
	93,3	46	15/1	2274	1,6		
	70	59	20/1	2503	1,2		
	56	70	25/1	2696	1,0		
	46,7	80	30/1	2865	1,1		
	70	60	20/1	3272	2,2	RFV63	DER80-A4-B14/SS
	56	72	25/1	3524	1,8		
	46,7	82	30/1	3745	1,9		
	35	104	40/1	4122	1,4		
	28	122	50/1	4440	1,1		

RFV

Power P1n (kW)	Output speed (rpm)	Output torque M_{2n} (Nm)	Reduction Ratio	F_{r2} (N)	Service factor Fs	Gearbox	Motor
0,75	186,7	33	7,5/1	1805	2,1	RFV50	DER80-B4-B14/SS
	140	43	10/1	1987	1,7		
	93,3	62	15/1	2274	1,2		
	93,3	63	15/1	2973	2,2	RFV63	DER80-B4-B14/SS
	70	82	20/1	3272	1,6		
	56	98	25/1	3524	1,3		
	46,7	112	30/1	3745	1,4		
	35	141	40/1	4122	1,0		
1,1	186,7	50	7,5/1	2359	2,6	RFV63	DER90-S4-B14/SS
	140	65	10/1	2597	2,0		
	93,3	92	15/1	2973	1,5		
	70	120	20/1	3272	1,1		
1,5	186,7	68	7,5/1	2359	1,9	RFV63	DER90-L4-B14/SS
	140	88	10/1	2597	1,5		
	93,3	126	15/1	2973	1,1		

Radial load

RFV

Use the following formula to calculate the radial load:

Where: *Fr radial load (N)*
M Shaft torque (Nm)
do Diameter of the transmission element (mm)
Fz Transmission factor (see table)

$$F_r \frac{M \cdot 2000 \cdot f_z}{d_0} [N]$$

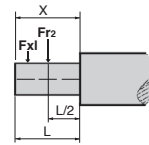
Use the following formula to calculate the maximum permissible radial load on the shaft:

Where: *Fr2 Allowable radial load (x=L/2), see table (N) a, b are constant, see table*
x distance at which load is applied (mm)

$$FxL \leq \frac{F_{r2} \cdot a}{(b + x)} [N]$$

Transmission element	Factor Fz	Factor M_{2n} (Nm)
Gear	1,00	>=17 teeth
	1,15	<17 teeth
Chain sprocket	1,00	>=20 teeth
	1,25	<20 teeth
	1,40	<13 teeth
Belt pulley	1,75	Depends on tension
Synchronous pulley	2,50	Depends on tension

	RFV40	RFV50	RFV63
a	84	101	120
b	64	76	95
Fr^2 max (N)	3490	4840	6270



Stainless steel Hypoid gearbox

RFK28B

Torque up to 130Nm

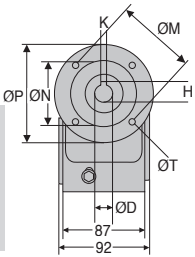
- ***Ideal gearbox for the food industry***
- *Ratios from 7.5:1 to 60:1*
- *2-stage reduction*
- *B14 flange*
- *Rounded and polished surfaces to avoid material retention*
- *Lubricated using food quality grease*
- *92% efficient*
- *Material:*
  316 stainless steel housing

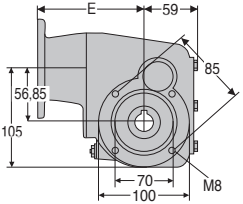
Info

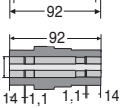
- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.*

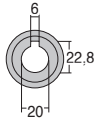
Accessories

- *Can be used with a* ***DER*** *4-pole motor to create a motor-gearbox* ***(tome 2 p.336)***
- *Torque arms, mounting bracket and protective cover* ***(tome 2 p.356, p.357, p.358)***









Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 71B14	14	5	16,3	105	85	70	112,5	7
Flange 80B14	19	6	21,8	120	100	80	132,5	7
Flange 90B14	24	8	27,3	140	115	95	132,5	9

DISCOUNTS

Qty	1+	2+	4+
Disc	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 71B14	Flange 80B14	Flange 90B14			
RFK28B-7.5-71B14/SS	RFK28B-7.5-80B14/SS	RFK28B-7.5-90B14/SS	7,5	7,73	943,47 €
RFK28B-10-71B14/SS	RFK28B-10-80B14/SS	RFK28B-10-90B14/SS	10	10,47	943,47 €
RFK28B-12-71B14/SS	RFK28B-12-80B14/SS	RFK28B-12-90B14/SS	12,5	12,47	943,47 €
RFK28B-15-71B14/SS	RFK28B-15-80B14/SS		15	14,92	943,47 €
RFK28B-20-71B14/SS	RFK28B-20-80B14/SS		20	20,21	943,47 €
RFK28B-25-71B14/SS	RFK28B-25-80B14/SS		25	24,07	943,47 €
RFK28B-30-71B14/SS	RFK28B-30-80B14/SS		30	29,33	943,47 €
RFK28B-40-71B14/SS			40	40,09	943,47 €
RFK28B-50-71B14/SS			50	48,86	943,47 €
RFK28B-60-71B14/SS			60	58,36	943,47 €

Dimensions in mm

Stainless steel Hypoid gearbox

Torque up to 130Nm

RFK28C

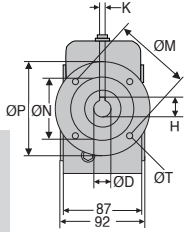
- ***Ideal gearbox for use in the food industry***
- Ratios from 50:1 to 300:1
- 3-stage reduction
- B14 or B5 flange
- Rounded and polished surfaces to avoid material retention
- Lubricated using food quality grease
- 90% efficient
- Rendement 90%
- Material:
  316 stainless steel housing

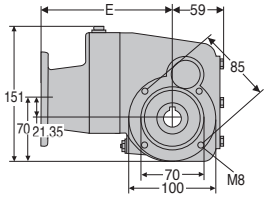
Info

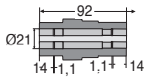
- All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.

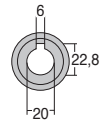
Accessories

- Can be used with a **DER** 4-pole motor to create a motor-gearbox
  (tome 2 p.336)
- Torque arms, mounting bracket and protective cover
  (tome 2 p.356, p.357, p.358)









Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 63B5	11	4	12,8	140	115	95	139,5	9
Flange 71B14	14	5	16,3	105	85	70	146,5	7

DISCOUNTS

Qty	1+	2+	4+
Disc	Net	-5%	On request

Part number		Nominal reduction ratio	Actual reduction ratio	Price each
Flange 63B5	Flange 71B14			
RFK28C-50-63B5/SS	RFK28C-50-71B14/SS	50	52,36	1 174,98 €
RFK28C-60-63B5/SS	RFK28C-60-71B14/SS	60	62,36	1 174,98 €
RFK28C-75-63B5/SS	RFK28C-75-71B14/SS	75	74,62	1 174,98 €
RFK28C-100-63B5/SS	RFK28C-100-71B14/SS	100	101,04	1 174,98 €
RFK28C-125-63B5/SS	RFK28C-125-71B14/SS	125	120,34	1 174,98 €
RFK28C-150-63B5/SS		150	146,67	1 174,98 €
RFK28C-200-63B5/SS		200	200,44	1 174,98 €
RFK28C-250-63B5/SS		250	244,29	1 174,98 €
RFK28C-300-63B5/SS		300	291,79	1 174,98 €

Dimensions in mm

RFK38B

Torque up to 200Nm

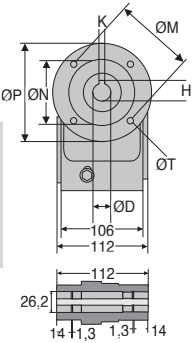
- ***Ideal gearbox for use in the food industry***
- *Ratios from 7.5:1 to 60:1*
- *2-stage reduction*
- *B14 flange*
- *Rounded and polished surfaces to avoid material retention*
- *Lubricated using food quality grease*
- *90% efficient*
- *Material:*
  316 stainless steel housing

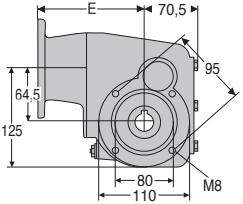
Info

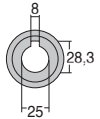
- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.*

Accessories

- *Can be used with a* **DER** *4-pole motor to create a motor-gearbox* **(tome 2 p.336)**
- *Torque arms, mounting bracket and protective cover* **(tome 2 p.356, p.357, p.358)**







Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 71B14	14	5	16,3	105	85	70	112,5	7
Flange 80B14	19	6	21,8	120	100	80	132,5	7
Flange 90B14	24	8	27,3	140	115	95	132,5	9

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 71B14	Flange 80B14	Flange 90B14			
	RFK38B-7.5-80B14/SS	RFK38B-7.5-90B14/SS	7,5	7,6	1 192,36 €
	RFK38B-10-80B14/SS	RFK38B-10-90B14/SS	10	10,5	1 192,36 €
	RFK38B-12-80B14/SS	RFK38B-12-90B14/SS	12,5	12,67	1 192,36 €
RFK38B-15-71B14/SS	RFK38B-15-80B14/SS	RFK38B-15-90B14/SS	15	14,67	1 192,36 €
RFK38B-20-71B14/SS	RFK38B-20-80B14/SS	RFK38B-20-90B14/SS	20	20,25	1 192,36 €
RFK38B-25-71B14/SS	RFK38B-25-80B14/SS	RFK38B-25-90B14/SS	25	24,44	1 192,36 €
RFK38B-30-71B14/SS	RFK38B-30-80B14/SS	RFK38B-30-90B14/SS	30	30,31	1 192,36 €
RFK38B-40-71B14/SS	RFK38B-40-80B14/SS		40	39,29	1 192,36 €
RFK38B-50-71B14/SS	RFK38B-50-80B14/SS		50	48,71	1 192,36 €
RFK38B-60-71B14/SS	RFK38B-60-80B14/SS		60	60,5	1 192,36 €

Dimensions in mm

Stainless steel Hypoid gearbox

Torque up to 130Nm

RFK38C

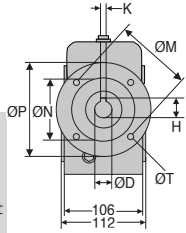
- ***Ideal gearbox for use in the food industry***
- *Ratios from 50:1 to 300:1*
- *3-stage reduction*
- *B14 or B5 flange*
- *Rounded and polished surfaces to avoid material retention*
- *Lubricated using food quality grease*
- *90% efficient*
- *Material:*
  316 stainless steel housing

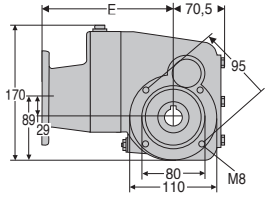
Info

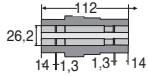
- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.*

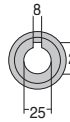
Accessories

- *Can be used with a* **DER** *4-pole motor to create a motor-gearbox* **(tome 2 p.336)**
- *Torque arms, mounting bracket and protective cover* **(tome 2 p.356, p.357, p.358)**









Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 63B5	11	4	12,8	140	115	95	151	9
Flange 71B14	14	5	16,3	105	85	70	158	7
Flange 80B14	19	6	21,8	120	100	80	178	7

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 63B5	Flange 71B14	Flange 80B14			
RFK38C-50-63B5/SS	RFK38C-50-71B14/SS	RFK38C-50-80B14/SS	50	52,48	1 429,67 €
RFK38C-60-63B5/SS	RFK38C-60-71B14/SS	RFK38C-60-80B14/SS	60	63,33	1 429,67 €
RFK38C-75-63B5/SS	RFK38C-75-71B14/SS		75	73,33	1 429,67 €
RFK38C-100-63B5/SS	RFK38C-100-71B14/SS		100	101,27	1 429,67 €
RFK38C-125-63B5/SS	RFK38C-125-71B14/SS		125	122,22	1 429,67 €
RFK38C-150-63B5/SS	RFK38C-150-71B14/SS		150	151,56	1 429,67 €
RFK38C-200-63B5/SS			200	196,43	1 429,67 €
RFK38C-250-63B5/SS			250	243,57	1 429,67 €
RFK38C-300-63B5/SS			300	302,5	1 429,67 €

Dimensions in mm

Stainless steel Hypoid gearbox

RFK48B

Torque up to 350Nm

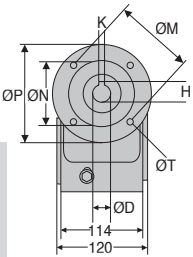
- ***Ideal gearbox for use in the food industry***
- *Ratios from 7.5:1 to 60:1*
- *2-stage reduction*
- *B14 flange*
- *Rounded and polished surfaces to avoid material retention*
- *Lubricated using food quality grease*
- *92% efficient*
- *Material:*
  316 stainless steel housing

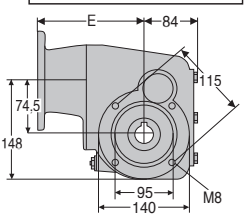
Info

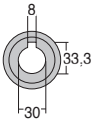
- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.*

Accessories

- *Can be used with a* ***DER*** *4-pole motor to create a motor-gearbox* ***(tome 2 p.336)***
- *Torque arms, mounting bracket and protective cover* ***(tome 2 p.356, p.357, p.358)***







Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 71B14	14	5	16,3	105	85	70	145,5	6,5
Flange 80B14	19	6	21,8	120	100	80	165,5	6,5
Flange 90B14	24	8	27,3	140	115	95	165,5	9

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 71B14	Flange 80B14	Flange 90B14			
		RFK48B-7,5-90B14/SS	7,5	7,48	1 533,87 €
		RFK48B-10-90B14/SS	10	9,84	1 533,87 €
		RFK48B-12-90B14/SS	12,5	12,49	1 533,87 €
	RFK48B-15-80B14/SS	RFK48B-15-90B14/SS	15	15,09	1 533,87 €
	RFK48B-20-80B14/SS	RFK48B-20-90B14/SS	20	19,84	1 533,87 €
	RFK48B-25-80B14/SS	RFK48B-25-90B14/SS	25	25,19	1 533,87 €
	RFK48B-30-80B14/SS	RFK48B-30-90B14/SS	30	30,24	1 533,87 €
RFK48B-40-71B14/SS	RFK48B-40-80B14/SS	RFK48B-40-90B14/SS	40	40,13	1 533,87 €
RFK48B-50-71B14/SS	RFK48B-50-80B14/SS	RFK48B-50-90B14/SS	50	48,18	1 533,87 €
RFK48B-60-71B14/SS	RFK48B-60-80B14/SS	RFK48B-60-90B14/SS	60	59,44	1 533,87 €

Dimensions in mm

Stainless steel Hypoid gearbox

Torque up to 350Nm

RFK48C

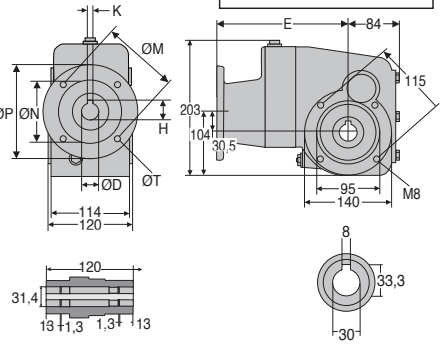
- ***Ideal gearbox for use in the food industry***
- Ratios from 50:1 to 300:1
- 3-stage reduction
- B14 or B5 flange
- Rounded and polished surfaces to avoid material retention
- Lubricated using food quality grease
- 90% efficient
- Material:
  316 stainless steel housing

Info

- All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.

Accessories

- Can be used with a **DER** 4-pole motor to create a motor-gearbox **(tome 2 p.336)**
- Torque arms, mounting bracket and protective cover **(tome 2 p.356, p.357, p.358)**
  bracket and protective cover



Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 63B5	11	4	12,8	140	115	95	178,8	9
Flange 71B14	14	5	16,3	105	85	70	185,8	6,5
Flange 80B14	19	6	21,8	120	100	80	205,8	6,5

DISCOUNTS

Qty	1+	2+	4+
Rem.	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 63B5	Flange 71B14	Flange 80B14			
	RFK48C-50-71B14/SS	RFK48C-50-80B14/SS	50	49,18	1 834,85 €
	RFK48C-60-71B14/SS	RFK48C-60-80B14/SS	60	62,43	1 834,85 €
RFK48C-75-63B5/SS	RFK48C-75-71B14/SS	RFK48C-75-80B14/SS	75	75,45	1 834,85 €
RFK48C-100-63B5/SS	RFK48C-100-71B14/SS	RFK48C-100-80B14/SS	100	99,22	1 834,85 €
RFK48C-125-63B5/SS	RFK48C-125-71B14/SS	RFK48C-125-80B14/SS	125	125,95	1 834,85 €
RFK48C-150-63B5/SS	RFK48C-150-71B14/SS	RFK48C-150-80B14/SS	150	151,2	1 834,85 €
RFK48C-200-63B5/SS	RFK48C-200-71B14/SS		200	200,66	1 834,85 €
RFK48C-250-63B5/SS	RFK48C-250-71B14/SS		250	240,89	1 834,85 €
RFK48C-300-63B5/SS	RFK48C-300-71B14/SS		300	297,21	1 834,85 €

Dimensions in mm

Stainless steel Hypoid gearbox

RFK58B

Torque up to 500Nm

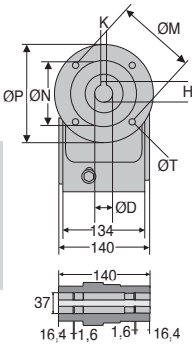
- ***Ideal gearbox for use in the food industry***
- *Ratios from 7.5:1 to 60:1*
- *2-stage reduction*
- *B14 flange*
- *Rounded and polished surfaces to avoid material retention*
- *Lubricated using food quality grease*
- *92% efficient*
- *Material:*
  316 stainless steel housing

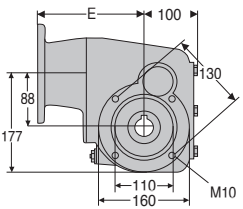
Info

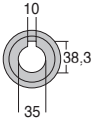
- *All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.*

Accessories

- *Can be used with a* ***DER*** *4-pole motor to create a motor-gearbox* ***(tome 2 p.336)***
- *Torque arms, mounting bracket and protective cover* ***(tome 2 p.356, p.357, p.358)***







Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 71B14	14	5	16,3	105	85	70	162	6,5
Flange 80B14	19	6	21,8	120	100	80	182	6,5
Flange 90B14	24	8	27,3	140	115	95	182	9

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 71B14	Flange 80B14	Flange 90B14			
		RFK58B-7,5-90B14/SS	7,5	7,48	1 913,96 €
		RFK58B-10-90B14/SS	10	9,84	1 913,96 €
		RFK58B-12-90B14/SS	12,5	12,49	1 913,96 €
	RFK58B-15-80B14/SS	RFK58B-15-90B14/SS	15	15,09	1 913,96 €
	RFK58B-20-80B14/SS	RFK58B-20-90B14/SS	20	19,84	1 913,96 €
	RFK58B-25-80B14/SS	RFK58B-25-90B14/SS	25	25,19	1 913,96 €
	RFK58B-30-80B14/SS	RFK58B-30-90B14/SS	30	30,24	1 913,96 €
	RFK58B-40-80B14/SS	RFK58B-40-90B14/SS	40	40,13	1 913,96 €
RFK58B-50-71B14/SS	RFK58B-50-80B14/SS	RFK58B-50-90B14/SS	50	48,18	1 913,96 €
RFK58B-60-71B14/SS	RFK58B-60-80B14/SS	RFK58B-60-90B14/SS	60	59,04	1 913,96 €

Dimensions in mm

Stainless steel Hypoid gearbox

Torque up to 500Nm

RFK58C

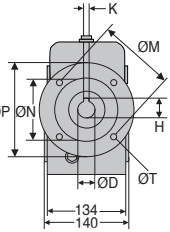
- **Ideal gearbox for use in the food industry**
- Ratios from 50:1 to 300:1
- 3-stage reduction
- B14 or B5 flange
- Rounded and polished surfaces to avoid material retention
- Lubricated using food quality grease
- 90% efficient
- Material:
  316 stainless steel housing

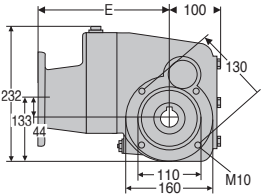
Info

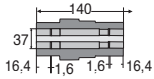
- All information is engraved directly on to gearbox rather than being on a tag plate to avoid accumulating dirt etc.

Accessories

- Can be used with a **DER** 4-pole motor to create a motor-gearbox **(tome 2 p.336)**
- Torque arms, mounting bracket and protective cover **(tome 2 p.356, p.357, p.358)**







Output shaft

Flange dimensions

	ØD	K	H	ØP	ØM	ØN	E	ØT
Flange 63B5	11	4	12,8	140	115	95	195,3	9
Flange 71B14	14	5	16,3	105	85	70	202,3	6,5
Flange 80B14	19	6	21,8	120	100	80	222,3	6,5

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number			Nominal reduction ratio	Actual reduction ratio	Price each
Flange 63B5	Flange 71B14	Flange 80B14			
	RFK58C-50-71B14/SS	RFK58C-50-80B14/SS	50	49,18	2 222,67 €
	RFK58C-60-71B14/SS	RFK58C-60-80B14/SS	60	62,43	2 222,67 €
RFK58C-75-63B5/SS	RFK58C-75-71B14/SS	RFK58C-75-80B14/SS	75	75,45	2 222,67 €
RFK58C-100-63B5/SS	RFK58C-100-71B14/SS	RFK58C-100-80B14/SS	100	99,22	2 222,67 €
RFK58C-125-63B5/SS	RFK58C-125-71B14/SS	RFK58C-125-80B14/SS	125	125,95	2 222,67 €
RFK58C-150-63B5/SS	RFK58C-150-71B14/SS	RFK58C-150-80B14/SS	150	151,2	2 222,67 €
RFK58C-200-63B5/SS	RFK58C-200-71B14/SS	RFK58C-200-80B14/SS	200	200,66	2 222,67 €
RFK58C-250-63B5/SS	RFK58C-250-71B14/SS	RFK58C-250-80B14/SS	250	240,89	2 222,67 €
RFK58C-300-63B5/SS	RFK58C-300-71B14/SS		300	295,18	2 222,67 €

Dimensions in mm

Stainless steel torque arm

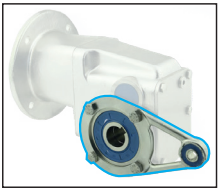
RFVBR
RFKBR

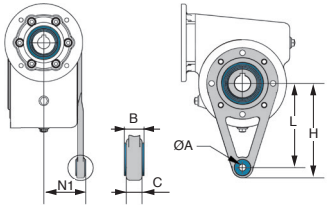
for worm and wheel gearbox

- ***Torque arm for RFV and RFK gearboxes***
- *Mounts on gearbox output*
- *Material:*
  316 stainless steel

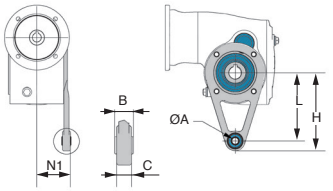
Accessories

- **RFV, RFK** *gearbox*
  (tome 2 p.340 et 348)





For RFV gearbox



For RFK gearbox

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number	L	H	N1	N2	B	C	ØA	For gearbox	Price each
RFV40-BR/SS	100	116	47,3	-	15	12	10,5	RFV40	56,48 €
RFV50-BR/SS	100	116	55,3	55,30	15	12	10,5	RFV50-RFK28	59,22 €
RFV63-BR/SS	150	166	55,3	64,80	15	12	10,5	RFV63-RFK38	57,01 €
RFK48-BR/SS	200	225	-	74,30	26	23	20,5	RFK48	129,06 €
RFK58-BR/SS	200	225	-	85,55	26	23	20,5	RFK58	145,57 €

Dimensions in mm

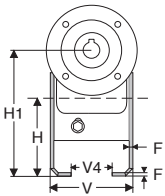
Mounting bracket brackets

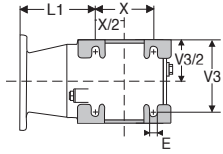
RFK FPSS

- **Support for RFK gearboxes**
- Inward or outward facing
- Sold in pairs
- Material:
  316 stainless steel

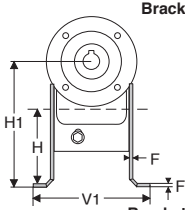
Accessories

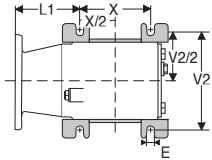
- **RFK** gearbox
  (tome 2 p.348)





Brackets facing inwards





Brackets facing outwards

DISCOUNTS

Qty	1+	2+	4+
Rem.	Net	-5%	On request

Part number	H	H1	V	V1	V2	V3	V4	X	E	F
RFK28-FP/SS	80	136,85	93	129	110	70	51	80	8,5	3
RFK38-FP/SS	90	154,50	114	157	135	85	63	100	8,5	4
RFK48-FP/SS	95	169,50	124	170	148	90	68	120	11,5	5
RFK58-FP/SS	110	198,00	144	204	178	100	74	140	13,0	5

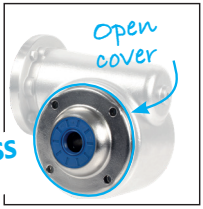
Part number	L1 for flange 63B5	71B14	80B14	90B14	Price each
RFK28-FP/SS	65,5	72,5	92,5	92,5	92,91 €
RFK38-FP/SS	67,0	74,0	94,0	94,0	118,74 €
RFK48-FP/SS	78,5	85,5	105,5	105,5	146,60 €
RFK58-FP/SS	85,0	92,0	112,0	112,0	182,74 €

Dimensions in mm

RFV$_{CAP}$
RFK$_{CAP}$

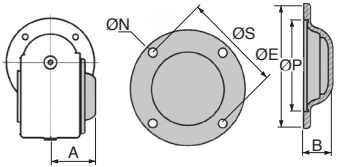
Protective cover

- **Protective cover to prevent dirt etc from lodging in the output shaft of RFV stainless steel worm and wheel gearboxes and RFK stainless steel hypoid gearboxes**
- For full protection, use one cover on each side of the gearbox
- Materiel:
  316 stainless steel

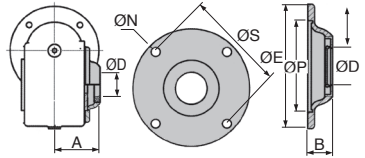


Accessories

- **RFV, RFK** *gearbox*
  (tome 2 p.340 and 348)



Closed cover RFV-CAP-F/SS and RFK-CAP-F/SS



Open cover RFV-CAP-AT/SS and RFK-CAP-AT/SS

DISCOUNTS

Qty	1+	2+	4+
Disc.	Net	-5%	On request

Part number	ØE	ØP	ØD	B	A	ØS	ØN	For gearbox	Price each
Closed cover									
RFV40-CAP-F/SS	90	60	-	20,0	56,5	75	6,5	RFV40	38,00 €
RFV50-CAP-F/SS	100	70	-	20,5	64,0	85	8,5	RFV50-RFK28	46,87 €
RFV63-CAP-F/SS	110	80	-	26,0	79,0	95	8,5	RFV63-RFK38	55,76 €
RFK48-CAP-F/SS	140	95	-	28,0	85,0	115	8,5	RFK48	71,90 €
RFK58-CAP-F/SS	160	110	-	28,0	95,0	130	10,5	RFK58	88,33 €
Open cover for transversal shaft									
RFV40-CAP-AT/SS	90	60	18	17,0	53,5	75	6,5	RFV40	41,81 €
RFV50-CAP-AT/SS	100	70	25	17,0	61,0	85	8,5	RFV50	49,41 €
RFK28-CAP-AT/SS	100	70	20	17,0	61,0	85	8,5	RFK28	44,16 €
RFV63-CAP-AT/SS	110	80	25	22,0	75,0	95	8,5	RFV63-RFK38	58,29 €
RFK48-CAP-AT/SS	140	95	30	28,0	85,0	115	8,5	RFK48	73,96 €
RFK58-CAP-AT/SS	160	110	35	28,0	95,0	130	10,5	RFK58	90,38 €

Dimensions in mm

Motor and gearbox selection table

RFK

Power P1n (kW)	Output speed (rpm)	Output torque (Nm)	Nominal reduction ratio	Actual reduction ratio	r2 (N)	Factor of service Fs	Gearbox	Motor
0,18	22,0	69	60	62,36	3030	1,9	RFK28C-63B5/SS	DER63-A4-B5/SS
	27,0	58	60	52,36	2860	1,7		
	9,2	167	150	151,56	4650	1,2	RFK38C-63B5/SS	DER63-A4-B5/SS
	11,5	135	125	122,22	4330	1,3		
	13,8	112	100	101,27	4070	1,3		
	19,1	81	75	73,33	3650	1,4		
	22,0	70	60	63,33	3480	2,6		
	27,0	58	50	52,48	3270	2,6		
	4,7	328	300	297,21	6500	1,1	RFK48C-63B5/SS	DER63-A4-B5/SS
	5,8	266	250	240,89	6500	1,3		
	7,0	222	200	200,66	6500	1,4		
	9,3	167	150	151,20	6500	2,1		
	11,1	139	125	125,95	5980	2,2		
	14,1	110	100	99,22	5520	2,2		
	18,6	83	75	75,45	5040	2,4		
	4,7	326	300	295,18	8300	1,5	RFK58C-63B5/SS	DER63-A4-B5/SS
	5,8	266	250	240,89	8300	1,9		
	7,0	222	200	200,66	8300	2,2		
	9,3	167	150	151,20	8050	3,0		
	11,1	139	125	125,95	7580	3,4		
	14,1	110	100	99,22	7000	3,5		
	18,6	83	75	75,45	6390	3,6		
0,25	22,0	96	60	62,36	3030	1,4	RFK28C-71B14/SS	DER71-A4-B14/SS
	27,0	80	50	52,36	2860	1,2		
	24,0	92	60	58,36	2960	1,4	RFK28B-71B14/SS	DER71-A4-B14/SS
	29,0	77	50	48,86	2790	1,7		
	35,0	63	40	40,09	2610	2,1		
	48,0	46	30	29,33	2350	2,8		
	58,0	38	25	24,07	2200	3,4		
	69,0	32	20	20,21	2080	3,2		
	94,0	23	15	14,92	1880	3,4		
	22,0	97	60	63,33	3480	1,9	RFK38C-71B14/SS	DER71-A4-B14/SS
	27,0	81	50	52,48	3270	1,9		
	23,0	95	60	60,50	3430	2,1	RFK38B-71B14/SS	DER71-A4-B14/SS
	29,0	76	50	48,71	3190	2,6		
	36,0	62	40	39,29	2970	2,9		
	46,0	48	30	30,31	2720	4,2		
	9,3	232	150	151,20	6500	1,5	RFK48C-71B14/SS	DER71-A4-B14/SS
	11,1	193	125	125,95	5980	1,6		
	14,1	152	100	99,22	5520	1,6		
	18,6	116	75	75,45	5040	1,7		
	22,0	96	60	62,43	4730	3,1		
	28,0	75	50	49,18	4370	3,2		
	24,0	93	60	59,44	4660	3,8	RFK48B-71B14/SS	DER71-A4-B14/SS
	29,0	76	50	48,18	4340	4,6		
	4,7	453	300	295,18	8300	1,1	RFK58C-71B14/SS	DER71-A4-B14/SS
	5,8	370	250	240,89	8300	1,4		
	7,0	308	200	200,66	8300	1,6		
	9,3	232	150	151,20	8050	2,2		
	11,1	193	125	125,95	7580	2,5		
	14,1	152	100	99,22	7000	2,5		

Dimensions in mm

RFK Motor and gearbox selection table

Power P1n (kW)	Output speed (rpm)	Output torque (Nm)	Nominal reduction ratio	Actual reduction ratio	r_2 (N)	Factor of service Fs	Gearbox	Motor
0,25	18,6	116	75	75,45	6390	2,6	RFK58C-71B14/SS	DER71-A4-B14/SS
	22,0	96	60	62,43	6000	5,0		
	28,0	75	50	49,18	5540	5,0		
0,37	29,0	113	50	48,86	2790	1,1	RFK28B-71B14/SS	DER71-B4-B14/SS
	35,0	93	40	40,09	2610	1,4		
	48,0	68	30	29,33	2350	1,9		
	58,0	56	25	24,07	2200	2,3		
	69,0	47	20	20,21	2080	2,1		
	94,0	35	15	14,92	1880	2,3		
	112,0	29	12,5	12,47	1770	4,5		
	134,0	24	10	10,47	1670	4,1		
	181,0	17,9	7,5	7,73	1510	4,5		
	22,0	144	60	63,33	3480	1,3	RFK38C-71B14/SS	DER71-B4-B14/SS
	27,0	119	50	52,48	3270	1,3		
	23,0	140	60	60,50	3430	1,4	RFK38B-71B14/SS	DER71-B4-B14/SS
	29,0	113	50	48,71	3190	1,8		
	36,0	91	40	39,29	2970	2,0		
	46,0	70	30	30,31	2720	2,8		
	57,0	57	25	24,44	2530	3,2		
	69,0	47	20	20,25	2380	3,2		
	95,0	34	15	14,67	2130	3,2		
	9,3	343	150	151,20	6500	1,0	RFK48C-71B14/SS	DER71-B4-B14/SS
	11,1	286	125	125,95	5980	1,0		
	14,1	225	100	99,22	5520	1,1		
	18,6	171	75	75,45	5040	1,2		
	22,0	142	60	62,43	4730	2,1		
	28,0	112	50	49,18	4370	2,1		
	24,0	138	60	59,44	4660	2,5	RFK48B-71B14/SS	DER71-B4-B14/SS
	29,0	112	50	48,18	4340	3,1		
	35,0	93	40	40,13	4080	3,2		
	7,0	456	200	200,66	8300	1,1	RFK58C-71B14/SS	DER71-B4-B14/SS
	9,3	343	150	151,20	8050	1,5		
	11,1	286	125	125,95	7580	1,7		
	14,1	225	100	99,22	7000	1,7		
	18,6	171	75	75,45	6390	1,8		
	22,0	142	60	62,43	6000	3,4		
	28,0	112	50	49,18	5540	3,4		
	24,0	137	60	59,04	5890	3,6	RFK58B-71B14/SS	DER71-B4-B14/SS
	29,0	112	50	48,18	5500	4,5		
0,55	48,0	101	30	29,33	2350	1,3	RFK28B-80B14/SS	DER80-A4-B14/SS
	58,0	83	25	24,07	2200	1,6		
	69,0	70	20	20,21	2080	1,4		
	94,0	51	15	14,92	1880	1,6		
	112,0	43	12,5	12,47	1770	3,0		
	134,0	36	10	10,47	1670	2,8		
	181,0	27	7,5	7,73	1510	3,0		
	29,0	168	50	48,71	3190	1,2	RFK38B-80B14/SS	DER80-A4-B14/SS
	36,0	136	40	39,29	2970	1,3		
	46,0	105	30	30,31	2720	1,9		
	57,0	84	25	24,44	2530	2,1		
	69,0	70	20	20,25	2380	2,1		

Dimensions in mm

Motor and gearbox selection table

RFK

Power P1n (kW)	Output speed (rpm)	Output torque (Nm)	Nominal reduction ratio	Actual reduction ratio	r2 (N)	Factor of service Fs	Gearbox	Motor
0,55	95,0	51	15	14,67	2130	2,2	RFK38B-80B14/SS	DER80-A4-B14/SS
	110,0	44	12,5	12,67	2030	4,1		
	133,0	36	10	10,5	1910	4,1		
	184,0	26	7,5	7,6	1710	4,2		
	22,0	211	60	62,43	4730	1,4	RFK48C-80B14/SS	DER80-A4-B14/SS
	28,0	166	50	49,18	4370	1,4		
	24,0	205	60	59,44	4660	1,7	RFK48B-80B14/SS	DER80-A4-B14/SS
	29,0	166	50	48,18	4340	2,1		
	35,0	139	40	40,13	4080	2,2		
	46,0	104	30	30,24	3720	3,4		
	56,0	87	25	25,19	3500	3,5		
	71,0	68	20	19,84	3230	3,5		
	93,0	52	15	15,09	2950	3,8		
	11,1	425	125	125,95	7580	1,1	RFK58C-80B14/SS	DER80-A4-B14/SS
	14,1	335	100	99,22	7000	1,1		
	18,6	255	75	75,45	6390	1,2		
	22,0	211	60	62,43	6000	2,3		
	28,0	166	50	49,18	5540	2,3		
	24,0	204	60	59,04	5890	2,5	RFK58B-80B14/SS	DER80-A4-B14/SS
	29,0	166	50	48,18	5500	3,0		
	35,0	139	40	40,13	5170	3,5		
	46,0	104	30	30,24	4710	4,8		
0,75	58,0	113	25	24,07	2200	1,1	RFK28B-80B14/SS	DER80-B4-B14/SS
	69,0	95	20	20,21	2080	1,1		
	94,0	70	15	14,92	1880	1,1		
	112,0	59	12,5	12,47	1770	2,2		
	134,0	49	10	10,47	1670	2,0		
	181,0	36	7,5	7,73	1510	2,2		
	46,0	143	30	30,31	2720	1,4	RFK38B-80B14/SS	DER80-B4-B14/SS
	57,0	115	25	24,44	2530	1,6		
	69,0	95	20	20,25	2380	1,6		
	95,0	69	15	14,67	2130	1,6		
	110,0	60	12,5	12,67	2030	3,0		
	133,0	49	10	10,50	1910	3,0		
	184,0	36	7,5	7,60	1710	3,1		
	22,0	287	60	62,43	4730	1,0	RFK48C-80B14/SS	DER80-B4-B14/SS
	28,0	226	50	49,18	4370	1,1		
	24,0	280	60	59,44	4660	1,3	RFK48B-80B14/SS	DER80-B4-B14/SS
	29,0	227	50	48,18	4340	1,5		
	35,0	189	40	40,13	4080	1,6		
	46,0	142	30	30,24	3720	2,5		
	56,0	119	25	25,19	3500	2,5		
	71,0	93	20	19,84	3230	2,6		
	93,0	71	15	15,09	2950	2,8		
	22,0	287	60	62,43	6000	1,7	RFK48C-80B14/SS	DER80-B4-B14/SS
	28,0	226	50	49,18	5540	1,7		
	24,0	278	60	59,04	5890	1,8		
	29,0	227	50	48,18	5500	2,2		
	35,0	189	40	40,13	5170	2,5		
	46,0	142	30	30,24	4710	3,5		
	56,0	119	25	25,19	4430	4,0		

Dimensions in mm

RFK

Power P1n (kW)	Output speed (rpm)	Output torque (Nm)	Nominal reduction ratio	Actual reduction ratio	$^{r}r2$ (N)	Factor of service Fs	Gearbox	Motor
0,75	71,0	93	20	19,84	4090	4,1	RFK48C-80B14/SS	DER80-B4-B14/SS
	93,0	71	15	15,09	3730	4,2		
1,1	112,0	86	12,5	12,47	1770	1,5	RFK28B-90B14/SS	DER90-S4-B14/SS
	134,0	72	10	10,47	1670	1,4		
	181,0	53	7,5	7,73	1510	1,5		
	57,0	169	25	24,44	2530	1,1	RFK38B-90B14/SS	DER90-S4-B14/SS
	69,0	140	20	20,25	2380	1,1		
	95,0	101	15	14,67	2130	1,1		
	110,0	87	12,5	12,67	2030	2,1		
	133,0	72	10	10,50	1910	2,1		
	184,0	52	7,5	7,60	1710	2,1		
	29,0	333	50	48,18	4340	1,1	RFK48B-90B14/SS	DER90-S4-B14/SS
	35,0	277	40	40,13	4080	1,1		
	46,0	209	30	30,24	3720	1,7		
	56,0	174	25	25,19	3500	1,7		
	71,0	137	20	19,84	3230	1,8		
	93,0	104	15	15,09	2950	1,9		
	112,0	86	12,5	12,49	2770	3,5		
	142,0	68	10	9,84	2550	3,5		
	187,0	52	7,5	7,48	2330	3,9		
	24,0	408	60	59,04	5890	1,2	RFK58B-90B14/SS	DER90-S4-B14/SS
	29,0	333	50	48,18	5500	1,5		
	35,0	277	40	40,13	5170	1,7		
	46,0	209	30	30,24	4710	2,4		
	56,0	174	25	25,19	4430	2,8		
	71,0	137	20	19,84	4090	2,8		
	93,0	104	15	15,09	3730	2,9		
	120,0	80	7,5	7,48	3420	3,7		
1,5	112,0	117	12,5	12,47	1770	1,1	RFK28B-90B14/SS	DER90-L4-B14/SS
	134,0	99	10	10,47	1670	1,0		
	181,0	73	7,5	7,73	1510	1,1		
	110,0	119	12,5	12,67	2030	1,5	RFK38B-90B14/SS	DER90-L4-B14/SS
	133,0	99	10	10,5	1910	1,5		
	184,0	72	7,50	7,60	1710	1,5		
	46,0	285	30	30,24	3720	1,2	RFK48B-90B14/SS	DER90-L4-B14/SS
	56,0	237	25	25,19	3500	1,3		
	71,0	187	20	19,84	3230	1,3		
	93,0	142	15	15,09	2950	1,4		
	112,0	118	12,5	12,49	2770	2,6		
	142,0	93	10	9,84	2550	2,6		
	187,0	70	7,5	7,48	2330	2,8		
	29,0	454	50	48,18	5500	1,1	RFK58B-90B14/SS	DER90-L4-B14/SS
	35,0	378	40	40,13	5170	1,3		
	46,0	285	30	30,24	4710	1,8		
	56,0	237	25	25,19	4430	2,0		
	71,0	187	20	19,84	4090	2,0		
	93,0	142	15	15,09	3730	2,1		
	112,0	118	12,5	12,49	3510	4,1		
	142,0	93	10	9,84	3240	4,1		
	187,0	70	7,5	7,48	2950	4,3		

Dimensions in mm