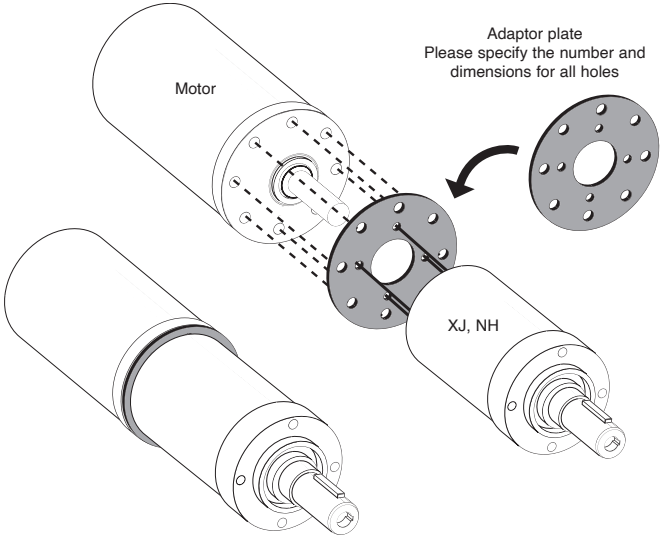
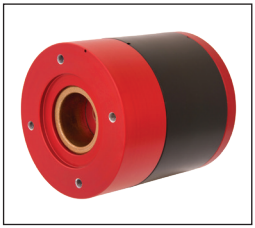
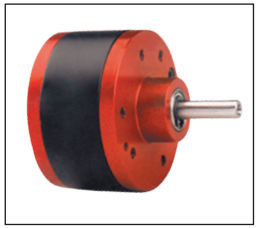
Spur gear coaxial gearbox

Technical information





Input face of the XJ reducers



Output face of the XJ reducers

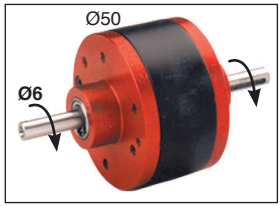
XJ + NH Reducers:
Please supply us with the dimensions of the face plate of your motor

Spur gear coaxial gearbox

Torque up to 0.49Nm

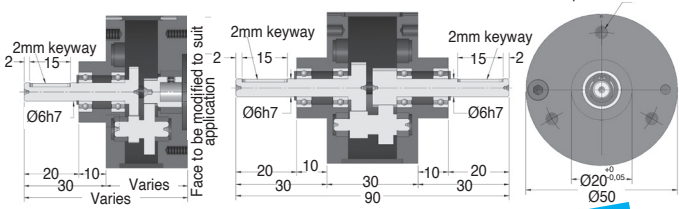
J51
XJ51

- ***Ratios from 1:1 to 20:1***
  (Other ratios available on request)
- *Output backlash: 3-6° depending on ratio*
- *Max. input speed: 4,000 rpm*
- *Materials:*
  casing: anodised aluminium and black Delrin
  input & output: non-hardened steel
- *Weight: 0.14 kg*
- *Keyway conforms to DIN 6885*



XJ Gearbox

- *Please send us the dimensions of the front face of your motor*
- *The overall length depends on the adaptor plate*



OUTPUT TORQUE (In Nm, values given as a guide only)

Ratios		2:1	3:1	4:1	5:1	10:1	15:1	20:1
INPUT SPEED (rpm)	4000	0,16	0,15	0,14	0,13	0,15	0,17	0,18
	2000	0,19	0,18	0,17	0,15	0,18	0,20	0,21
	1000	0,22	0,22	0,20	0,18	0,21	0,22	0,23
	500	0,27	0,25	0,23	0,21	0,24	0,25	0,27
	200	0,32	0,30	0,27	0,25	0,28	0,30	0,32
	100	0,36	0,33	0,30	0,28	0,32	0,34	0,36
	50	0,40	0,38	0,35	0,32	0,36	0,37	0,42
	20	0,48	0,45	0,41	0,38	0,43	0,44	0,49

Large choice of reduction ratios ! Up to 625:1

IN STOCK* Otherwise contact us

DISCOUNTS

Qty	1+	2+	4+	6+
Disc.	List	-15%	-20%	On request

Part number		Ratios	Max. input speed (rpm)	Max. output speed (rpm)	Efficiency at 1000 rpm	Direction of input/output rotation	Price each J	Price each XJ
J51-2	XJ51-2	2:1	4000	2000	92%	Same	511,89 €	On request
J51-3	XJ51-3	3:1	4000	1333	92%	Same	511,89 €	
J51-4	XJ51-4	4:1	4000	1000	92%	Same	511,89 €	
J51-5	XJ51-5	5:1	4000	800	92%	Same	511,89 €	
J51-10	XJ51-10	10:1	4000	400	92%	Same	511,92 €	
J51-15	XJ51-15	15:1	4000	266	92%	Same	511,92 €	
J51-20	XJ51-20	20:1	4000	200	92%	Same	511,92 €	
J51-SP	XJ51-SP	1:1 - 20:1	**Special ratios from 1:1 to 20:1**				719,54 €	

**Depending on availability - Dimensions in mm*

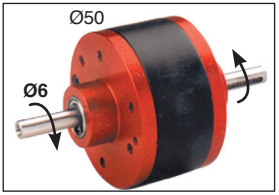
Spur gear coaxial gearbox

Size XS ★★

J52
XJ52

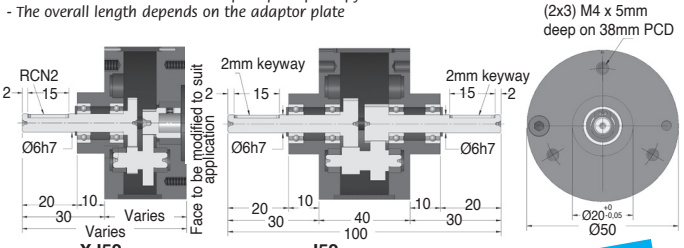
Torque up to 0.9Nm

- **Ratios from 1:1 to 130:1**
  (Other ratios available on request)
- Output backlash: 3-6° depending on ratio
- Max. input speed: 4,000 rpm
- Materials:
  casing: anodised aluminium
  and black Delrin
  input & output: non-hardened steel
- Weight: 0.16 kg
- Keyway conforms to DIN 6885



XJ Gearbox

- Please send us the dimensions of the front face of your motor
- The overall length depends on the adaptor plate



XJ52 J52

OUTPUT TORQUE (In Nm, values given as a guide only)

Ratios		30:1	40:1	50:1	60:1	75:1	100:1	125:1
INPUT SPEED (rpm)	4000	0,27	0,28	0,29	0,30	0,31	0,33	0,34
	2000	0,30	0,32	0,33	0,34	0,35	0,38	0,40
	1000	0,34	0,36	0,38	0,40	0,41	0,42	0,43
	500	0,40	0,41	0,42	0,43	0,46	0,49	0,49
	200	0,46	0,48	0,49	0,52	0,54	0,57	0,59
	100	0,52	0,55	0,57	0,59	0,61	0,65	0,69
	50	0,57	0,62	0,65	0,69	0,73	0,74	0,75
	20	0,69	0,73	0,75	0,75	0,75	0,90	0,90

Large choice of reduction ratios ! Up to 625:1

DISCOUNTS

Qty	1+	2+	4+	6+
Disc.	List	-15%	-20%	On request

Part number		Ratios	Max. input speed (rpm)	Max. output speed (rpm)	Efficiency at 1000 rpm	Direction of input/output rotation	Price each J	XJ
J52-30	XJ52-30	30:1	4000	133	88%	Opposite	707,02 €	On request
J52-40	XJ52-40	40:1	4000	100	88%	Opposite	707,02 €	
J52-50	XJ52-50	50:1	4000	80	88%	Opposite	707,02 €	
J52-60	XJ52-60	60:1	4000	66	88%	Opposite	707,02 €	
J52-75	XJ52-75	75:1	4000	53	88%	Opposite	707,02 €	
J52-100	XJ52-100	100:1	4000	40	88%	Opposite	707,02 €	
J52-125	XJ52-125	125:1	4000	32	88%	Opposite	707,02 €	
J52-SP	XJ52-SP	1:1 - 130:1	**Special ratios from 1:1 to 130:1**				833,18 €	

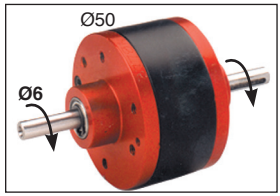
Dimensions in mm

Spur gear coaxial gearbox

Torque up to 1.15Nm

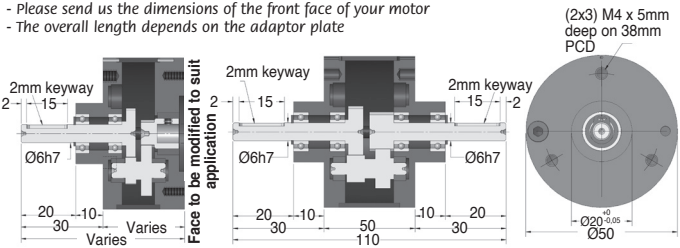
J53
XJ53

- ***Ratios from 1:1 to 625:1***
  (Other ratios available on request)
- *Output backlash: N/A*
- *Max. input speed: 4,000 rpm*
- *Materials:*
  casing: anodised aluminium
  and black Delrin
  input & output: non-hardened steel
- *Weight: 0.17 kg*
- *Keyway conforms to DIN 6885*



XJ Gearbox

- *Please send us the dimensions of the front face of your motor*
- *The overall length depends on the adaptor plate*



OUTPUT TORQUE (In Nm, values given as a guide only)

Ratios		140:1	160:1	200:1	300:1	400:1	500:1	625:1
	4000	0,43	0,45	0,46	0,51	0,53	0,55	0,58
	2000	0,50	0,52	0,53	0,58	0,59	0,61	0,63
	1000	0,56	0,57	0,58	0,63	0,65	0,67	0,69
INPUT	500	0,63	0,67	0,69	0,69	0,79	0,84	0,96
SPEED	200	0,76	0,79	0,79	0,79	0,91	0,99	1,15
(rpm)	100	0,86	0,91	0,91	0,91	1,15	1,15	1,15
	50	0,95	0,95	0,95	0,95	1,15	1,15	1,15
	20	1,15	1,15	1,15	1,15	1,15	1,15	1,15

Large choice of reduction ratios ! Up to 625:1

DISCOUNTS

Qty	1+	2+	4+	6+
Disc.	List	-15%	-20%	On request

Part number		Ratios	Max. input speed (rpm)	Max. output speed (rpm)	Efficiency at 1000 rpm	Direction of input/output rotation	Price each J	Price each XJ
J53-140	XJ53-140	140:1	4000	29	85%	Same	945,17 €	On request
J53-160	XJ53-160	160:1	4000	25	85%	Same	945,17 €	
J53-200	XJ53-200	200:1	4000	20	85%	Same	945,17 €	
J53-300	XJ53-300	300:1	4000	13	85%	Same	945,17 €	
J53-400	XJ53-400	400:1	4000	10	85%	Same	945,17 €	
J53-500	XJ53-500	500:1	4000	8	85%	Same	945,17 €	
J53-625	XJ53-625	625:1	4000	6,40	85%	Same	945,17 €	
J53-SP	XJ53-SP	1:1 - 625:1	**Special ratios from 1:1 to 625:1**				1 080,42 €	

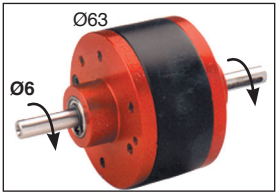
Dimensions in mm

Spur gear coaxial gearbox

J64
XJ64

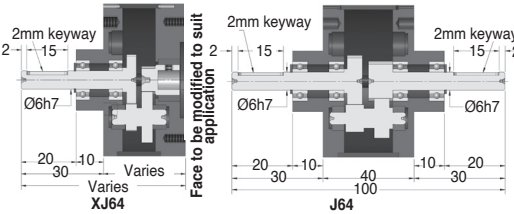
Torque up to 2.25Nm

- **Ratios from 1:1 to 16:1**
  (Other ratios available on request)
- Output backlash: N/A
- Max. input speed: 4,000 rpm
- Materials:
  casing: anodised aluminium
  and black Delrin
  input & output: non-hardened steel
- Weight: 0.3 kg
- Keyway conforms to DIN 6885



XJ Gearbox

- Please send us the dimensions of the front face of your motor
- The overall length depends on the adaptor plate



OUTPUT TORQUE (In Nm, values given as a guide only)

Ratios		2:1	3:1	4:1	6:1	10:1	12:1	16:1
INPUT SPEED (rpm)	4000	0,66	0,64	0,57	0,75	0,70	0,79	0,80
	2000	0,84	0,81	0,72	0,88	0,81	0,90	0,92
	1000	0,99	0,96	0,85	1,00	0,90	1,04	1,07
	500	1,13	1,10	0,98	1,14	1,01	1,17	1,21
	200	1,32	1,28	1,14	1,35	1,20	1,39	1,43
	100	1,50	1,45	1,30	1,53	1,33	1,58	1,65
	50	1,68	1,63	1,46	1,68	1,53	1,81	1,90
	20	2,00	1,95	1,74	2,00	1,80	2,10	2,25

Large choice of reduction ratios ! Up to 256:1

DISCOUNTS

Qty	1+	2+	4+	6+
Disc.	List	-15%	-20%	On request

Part number		Ratios	Max. input speed (rpm)	Max. output speed (rpm)	Efficiency at 1000 rpm	Direction of input/output rotation	Price each J	XJ
J64-2	XJ64-2	2:1	4000	2000	92%	Same	670,32 €	On request
J64-3	XJ64-3	3:1	4000	1333	92%	Same	670,32 €	
J64-4	XJ64-4	4:1	4000	1000	92%	Same	670,32 €	
J64-6	XJ64-6	6:1	4000	666	92%	Same	670,32 €	
J64-10	XJ64-10	10:1	4000	400	92%	Same	670,32 €	
J64-12	XJ64-12	12:1	4000	333	92%	Same	670,32 €	
J64-16	XJ64-16	16:1	4000	250	92%	Same	670,32 €	
J64-SP	XJ64-SP	1:1 - 16:1	Special ratios from 1:1 to 16:1				820,13 €	

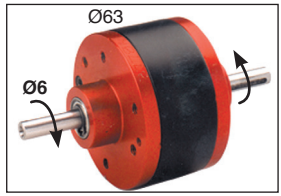
Dimensions in mm

Spur gear coaxial gearbox

Torque up to 2.95Nm

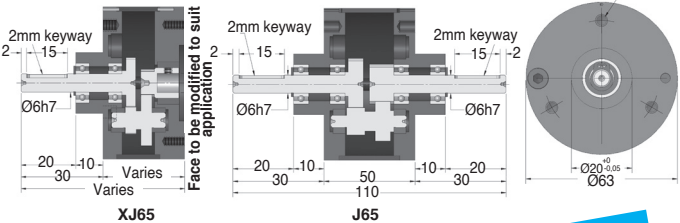
J65
XJ65

- ***Ratios from 1:1 to 64:1***
  (Other ratios available on request)
- *Output backlash: N/A*
- *Max. input speed: 4,000 rpm*
- *Materials:*
  casing: anodised aluminium
  and black Delrin
  input & output: non-hardened steel
- *Weight: 0.32 kg*
- *Keyway conforms to DIN 6885*



XJ Gearbox

- *Please send us the dimensions of the front face of your motor*
- *The overall length depends on the adaptor plate*



XJ65 **J65**

OUTPUT TORQUE (In Nm, values given as a guide only)

Ratios		15:1	20:1	24:1	32:1	40:1	48:1	64:1
INPUT SPEED (rpm)	4000	0,80	0,81	0,91	0,92	0,89	0,91	0,92
	2000	0,91	0,93	1,04	1,05	1,03	1,04	1,06
	1000	1,05	1,10	1,16	1,20	1,16	1,19	1,23
	500	1,20	1,27	1,35	1,41	1,37	1,40	1,45
	200	1,40	1,63	1,58	1,63	1,56	1,61	1,63
	100	1,48	1,71	1,80	1,85	1,73	1,82	1,87
	50	1,86	2,02	1,95	2,00	1,94	1,95	1,96
	20	2,20	2,30	2,36	2,45	2,36	2,40	2,95

Large choice of reduction ratios ! Up to 256:1

DISCOUNTS

Qty	1+	2+	4+	6+
Disc.	List	-15%	-20%	On request

Part number		Ratios	Max. input speed (rpm)	Max. output speed (rpm)	Efficiency at 1000 rpm	Direction of input/output rotation	Price each J	Price each XJ
J65-15	XJ65-15	15:1	4000	266	88%	Opposite	796,65 €	On request
J65-20	XJ65-20	20:1	4000	200	88%	Opposite	796,65 €	
J65-24	XJ65-24	24:1	4000	166	88%	Opposite	796,65 €	
J65-32	XJ65-32	32:1	4000	125	88%	Opposite	796,65 €	
J65-40	XJ65-40	40:1	4000	100	88%	Opposite	796,65 €	
J65-48	XJ65-48	48:1	4000	83	88%	Opposite	796,65 €	
J65-64	XJ65-64	64:1	4000	62	88%	Opposite	796,65 €	
J65-SP	XJ65-SP	1:1 - 64:1	**Special ratios from 1:1 to 64:1**				937,26 €	

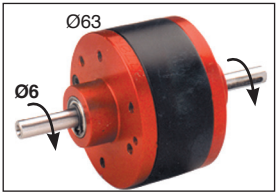
Dimensions in mm

Spur gear coaxial gearbox

J66
XJ66

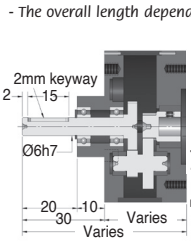
Torque up to 2.8Nm

- **Ratios from 1:1 to 256:1**
  (Other ratios available on request)
- Output backlash: N/A
- Max. input speed: 4,000 rpm
- Materials:
  casing: anodised aluminium
  and black Delrin
  input & output: non-hardened steel
- Weight: 0.34 kg
- Keyway conforms to DIN 6885

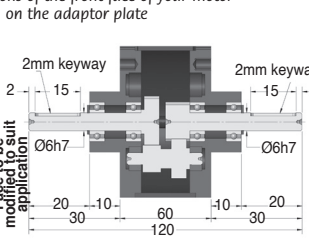


XJ Gearbox

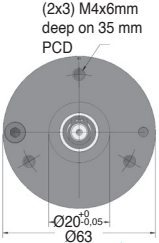
- Please send us the dimensions of the front face of your motor
- The overall length depends on the adaptor plate



XJ66



J66



OUTPUT TORQUE (In Nm, values given as a guide only)

Ratios		50:1	80:1	96:1	128:1	160:1	192:1	256:1
INPUT SPEED (rpm)	4000	0,90	1,01	1,05	1,09	1,13	1,25	1,40
	2000	1,04	1,13	1,18	1,24	1,30	1,40	1,55
	1000	1,18	1,30	1,33	1,39	1,44	1,60	1,85
	500	1,40	1,44	1,50	1,58	1,64	1,78	2,00
	200	1,60	1,73	1,80	1,87	1,96	2,18	2,42
	100	1,82	1,96	2,10	2,17	2,28	2,47	2,80
	50	2,02	2,28	2,45	2,61	2,80	2,80	2,80
	20	2,50	2,80	2,80	2,80	2,80	2,80	2,80

Large choice of reduction ratios ! Up to 256:1

DISCOUNTS

Qty	1+	2+	4+	6+
Disc.	List	-15%	-20%	On request

Part number		Ratios	Max. input speed (rpm)	Max. output speed (rpm)	Efficiency at 1000 rpm	Direction of input/output rotation	Price each J	Price each XJ
J66-50	XJ66-50	50:1	4000	80	85%	Same	944,46 €	On request
J66-80	XJ66-80	80:1	4000	50	85%	Same	944,46 €	
J66-96	XJ66-96	96:1	4000	41	85%	Same	944,46 €	
J66-128	XJ66-128	128:1	4000	31	85%	Same	944,46 €	
J66-160	XJ66-160	160:1	4000	25	85%	Same	944,46 €	
J66-192	XJ66-192	192:1	4000	21	85%	Same	944,46 €	
J66-256	XJ66-256	256:1	4000	15	85%	Same	944,46 €	
J66-SP	XJ66-SP	1:1 - 256:1	**Special ratios from 1:1 to 256:1**				1 087,36 €	

Dimensions in mm