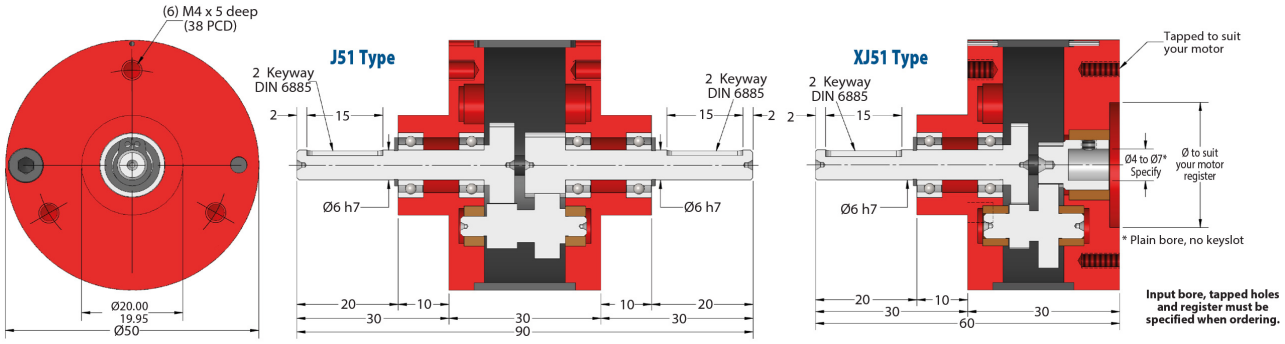
GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.13 - 0.49 Nm **1:1 - 20:1**

J51
XJ51



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J51-2	**XJ51-2**	2:1	92%	0.22	Same
J51-2	**XJ51-3**	3:1	92%	0.22	Same
J51-4	**XJ51-4**	4:1	92%	0.20	Same
J51-5	**XJ51-5**	5:1	92%	0.18	Same
J51-10	**XJ51-10**	10:1	92%	0.21	Same
J51-15	**XJ51-15**	15:1	92%	0.22	Same
J51-20	**XJ51-20**	20:1	92%	0.23	Same
J51-SP	**XJ51-SP**	1:1 - 20:1	Special Ratios : Replace **SP** with required ratio		

J51 Weight: 0.14 kg.
Output Backlash: ≈3°-6°.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

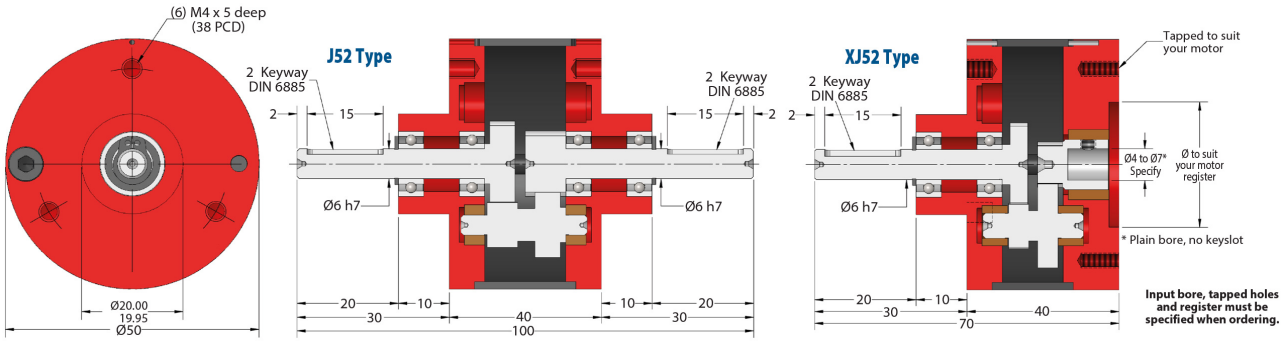
RPM Input	Reduction Ratio						
	2:1	3:1	4:1	5:1	10:1	15:1	20:1
4000	0.16	0.15	0.14	0.13	0.15	0.17	0.18
2000	0.19	0.18	0.17	0.15	0.18	0.20	0.21
1000	0.22	0.22	0.20	0.18	0.21	0.22	0.23
500	0.27	0.25	0.23	0.21	0.24	0.25	0.27
200	0.32	0.30	0.27	0.25	0.28	0.30	0.32
100	0.36	0.33	0.30	0.28	0.32	0.34	0.36
50	0.40	0.38	0.35	0.32	0.36	0.37	0.42
10	0.48	0.45	0.41	0.38	0.43	0.44	0.49

GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.27 - 0.9 Nm **1:1 - 130:1**

J52
XJ52



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J52-30	**XJ52-30**	30:1	88%	0.34	Opposite
J52-40	**XJ52-40**	40:1	88%	0.36	Opposite
J52-50	**XJ52-50**	50:1	88%	0.38	Opposite
J52-60	**XJ52-60**	60:1	88%	0.40	Opposite
J52-75	**XJ52-75**	75:1	88%	0.41	Opposite
J52-100	**XJ52-100**	100:1	88%	0.42	Opposite
J52-125	**XJ52-125**	125:1	88%	0.43	Opposite
J52-SP	**XJ52-SP**	1:1 - 130:1	Special Ratios : Replace **SP** with required ratio		

J52 Weight: 0.16 kg.
Backlash: Depends on ratio.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

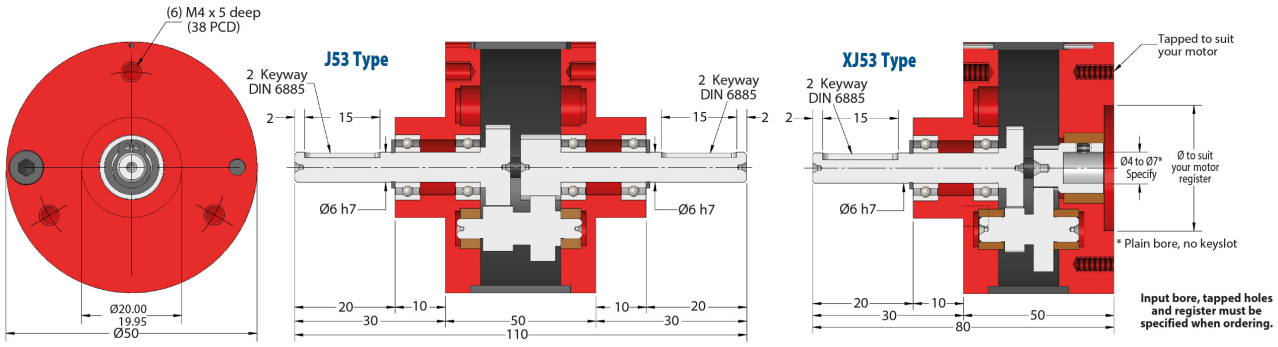
RPM Input	Reduction Ratio						
	30:1	**40:1**	**50:1**	**60:1**	**75:1**	**100:1**	**125:1**
4000	0.27	0.28	0.29	0.30	0.31	0.33	0.34
2000	0.30	0.32	0.33	0.34	0.35	0.38	0.40
1000	0.34	0.36	0.38	0.40	0.41	0.42	0.43
500	0.40	0.41	0.42	0.43	0.46	0.49	0.49
200	0.46	0.48	0.49	0.52	0.54	0.57	0.59
100	0.52	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
10	0.69	0.73	0.75	0.75	0.75	0.90	0.90

GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.43 - 1.15 Nm **1:1 - 625:1**

J53
XJ53



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J53-140	**XJ53-140**	140:1	85%	0.56	Same
J53-160	**XJ53-160**	160:1	85%	0.57	Same
J53-200	**XJ53-200**	200:1	85%	0.58	Same
J53-300	**XJ53-300**	300:1	85%	0.63	Same
J53-400	**XJ53-400**	400:1	85%	0.65	Same
J53-500	**XJ53-500**	500:1	85%	0.67	Same
J53-625	**XJ53-625**	625:1	85%	0.69	Same
J53-SP	**XJ53-SP**	1:1 - 625:1	Special Ratios : Replace **SP** with required ratio		

J53 Weight: 0.17 kg.
Backlash: Depends on ratio.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	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
500	0.63	0.67	0.69	0.69	0.79	0.84	0.96
200	0.76	0.79	0.79	0.79	0.91	0.99	0.15
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
10	1.15	1.15	1.15	1.15	1.15	1.15	1.15

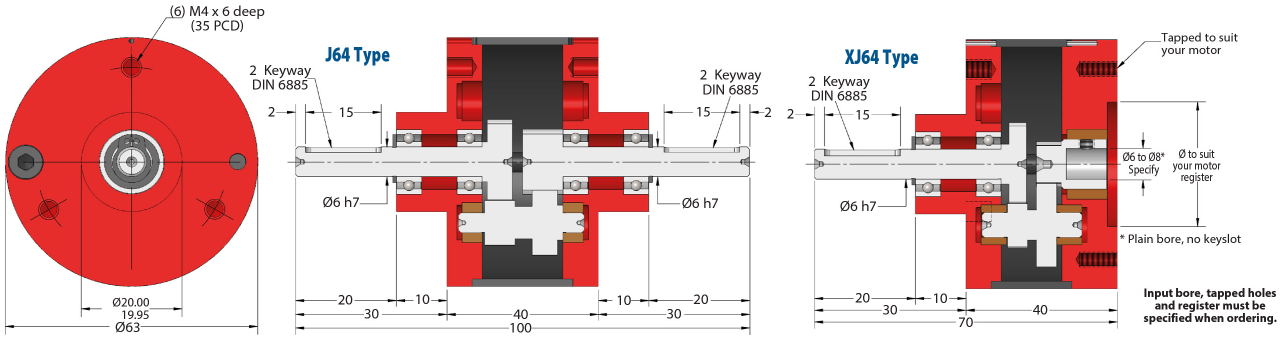
J64
XJ64

GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.57 - 2.25 Nm **1:1 - 16:1**

J64
XJ64



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J64-2	**XJ64-2**	2:1	92%	0.99	Same
J64-3	**XJ64-3**	3:1	92%	0.96	Same
J64-4	**XJ64-4**	4:1	92%	0.85	Same
J64-6	**XJ64-6**	6:1	92%	1.00	Same
J64-10	**XJ64-10**	10:1	92%	0.90	Same
J64-12	**XJ64-12**	12:1	92%	1.04	Same
J64-16	**XJ64-16**	16:1	92%	1.07	Same
J64-SP	**XJ64-SP**	1:1 - 16:1	Special Ratios : Replace **SP** with required ratio		

J64 Weight: 0.3 kg.
Backlash: Depends on ratio.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	2:1	3:1	4:1	6:1	10:1	12:1	16:1
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
10	2.00	1.95	1.74	2.00	1.80	2.10	2.25

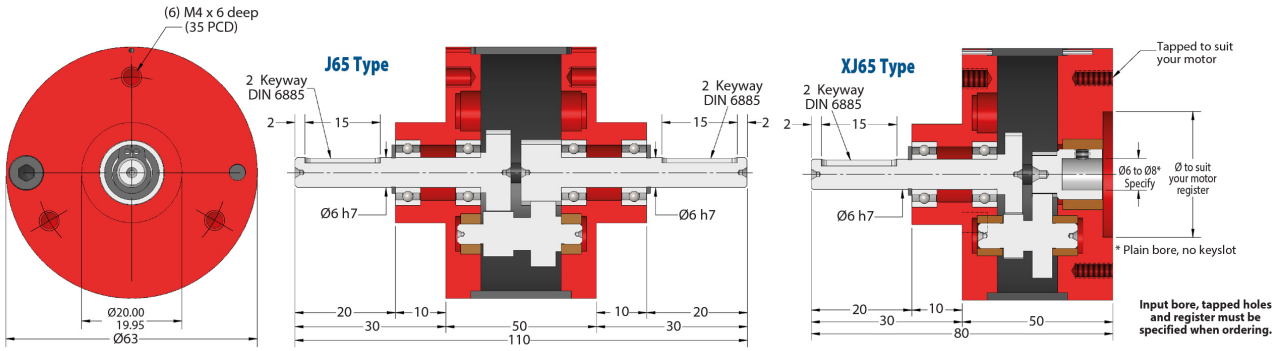
J65
XJ65

GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.8 - 2.95 Nm **1:1 - 64:1**

J65
XJ65



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J65-15	**XJ65-15**	15:1	88%	1.15	Opposite
J65-20	**XJ65-20**	20:1	88%	1.10	Opposite
J65-24	**XJ65-24**	24:1	88%	1.16	Opposite
J65-32	**XJ65-32**	32:1	88%	1.20	Opposite
J65-40	**XJ65-40**	40:1	88%	1.16	Opposite
J65-48	**XJ65-48**	48:1	88%	1.90	Opposite
J65-64	**XJ65-64**	64:1	88%	1.23	Opposite
J65-SP	**XJ65-SP**	1:1 - 64:1	Special Ratios : Replace **SP** with required ratio		

J65 Weight: 0.32 kg.
Backlash: Depends on ratio.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	15:1	**20:1**	**24:1**	**32:1**	**40:1**	**48:1**	**64:1**
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	1.15	1.10	1.16	1.20	1.16	1.90	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
10	2.20	2.30	2.36	2.45	2.36	2.40	2.95

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

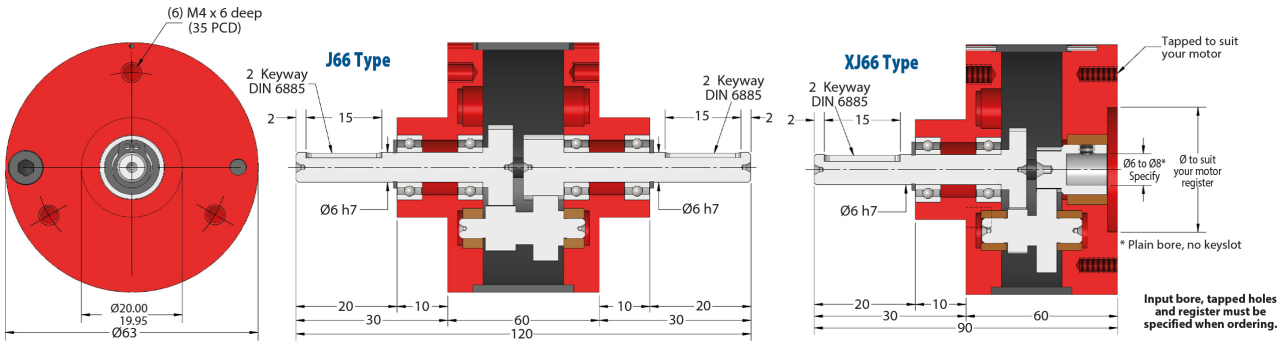
J66
XJ66

GEARBOXES

Inline Spur Gear Reducers

6mm Double or Single Shaft, 0.9 - 2.8 Nm **1:1 - 256:1**

J66
XJ66



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
J66-50	**XJ66-50**	50:1	85%	1.18	Same
J66-80	**XJ66-80**	80:1	85%	1.30	Same
J66-96	**XJ66-96**	96:1	85%	1.33	Same
J66-128	**XJ66-128**	128:1	85%	1.39	Same
J66-160	**XJ66-160**	160:1	85%	1.44	Same
J66-192	**XJ66-192**	192:1	85%	1.60	Same
J66-256	**XJ66-256**	256:1	85%	1.85	Same
J66-SP	**XJ66-SP**	1:1 - 256:1	Special Ratios : Replace **SP** with required ratio		

J66 Weight: 0.34 kg.
Backlash: Depends on ratio.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	50:1	**80:1**	**96:1**	**128:1**	**160:1**	**192:1**	**256:1**
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
10	2.50	2.80	2.80	2.80	2.80	2.80	2.80

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

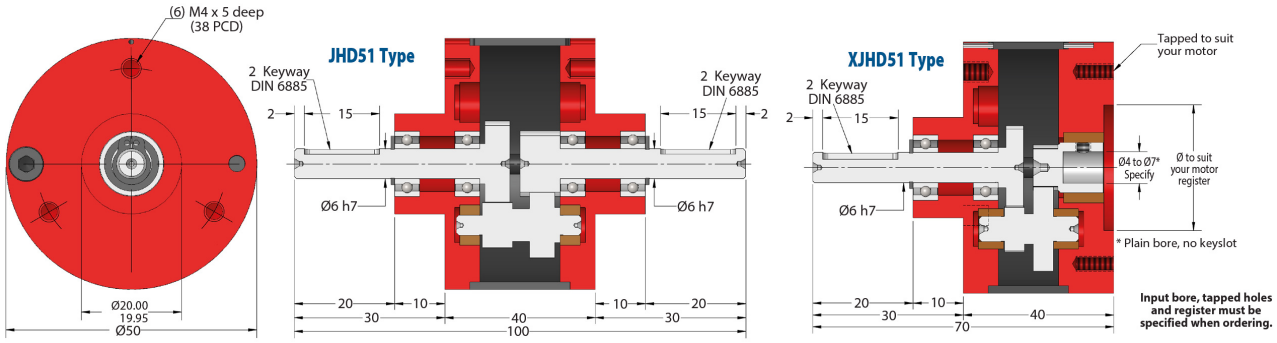
JHD51
XJHD51

GEARBOXES

Hi-Torque Inline Spur Gear Reducers

6mm Double or Single Shaft, 1 - 3 Nm **1:1 - 20:1**

JHD51
XJHD51



Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
JHD51-2	**XJHD51-2**	2:1	92%	1.60	Same
JHD51-3	**XJHD51-3**	3:1	92%	1.50	Same
JHD51-4	**XJHD51-4**	4:1	92%	1.40	Same
JHD51-5	**XJHD51-5**	5:1	92%	1.60	Same
JHD51-10	**XJHD51-10**	10:1	92%	1.75	Same
JHD51-15	**XJHD51-15**	15:1	92%	1.80	Same
JHD51-20	**XJHD51-20**	20:1	92%	1.90	Same
JHD51-SP	**XJHD51-SP**	1:1 - 20:1	Special Ratios : Replace **SP** with required ratio		

JHD51 Weight: 0.15 kg.
Output Backlash: ≈3°-6°.
Approx Motion: JHD51-10 = 2°30′ on output.
Max. Input Speed: 4,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 5 kg. Output Thrust Load (Fa) = 5 kg.

Shaft Keys: KK2-14.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	2:1	**3:1**	**4:1**	**5:1**	**10:1**	**15:1**	**20:1**
4000	1.18	1.10	1.00	1.15	1.30	1.40	1.50
2000	1.38	1.30	1.22	1.35	1.50	1.60	1.70
1000	1.60	1.50	1.40	1.60	1.75	1.80	1.90
500	1.80	1.65	1.55	1.70	1.80	2.00	2.10
200	2.00	1.90	1.75	1.85	2.00	2.15	2.30
100	2.38	2.20	2.00	2.10	2.25	2.40	2.50
50	2.60	2.40	2.20	2.35	2.50	2.65	2.75
10	2.85	2.70	2.50	2.60	2.70	2.85	3.00

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

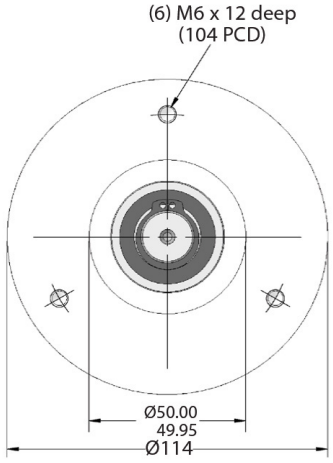
NT121
NH121

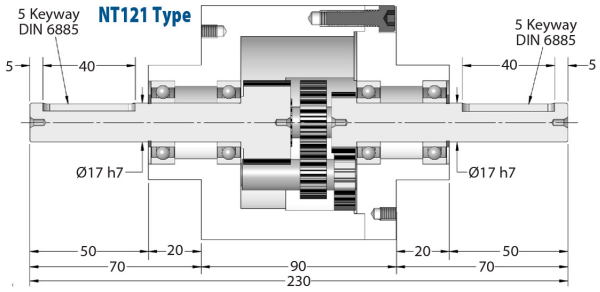
GEARBOXES

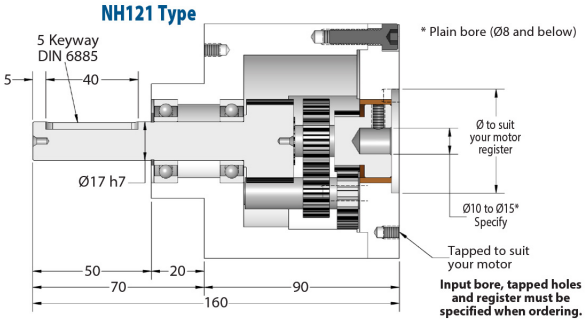
Inline Spur Gear Reducers

17mm Double or Single Shaft, 20 - 68 Nm **1:1 - 9:1**

NT121
NH121







Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT121-1/OPP	**NH121-1/OPP**	1:1	92%	27.1	Opposite
NT121-2	**NH121-2**	2:1	92%	27.1	Same
NT121-3	**NH121-3**	3:1	92%	27.5	Same
NT121-4	**NH121-4**	4:1	92%	28.6	Same
NT121-5	**NH121-5**	5:1	92%	29.7	Same
NT121-6	**NH121-6**	6:1	92%	31.0	Same
NT121-8	**NH121-8**	8:1	92%	32.5	Same
NT121-9	**NH121-9**	9:1	92%	34.0	Same
NT121-SP	**NH121-SP**	1:1 - 9:1	Special Ratios : Replace **SP** with required ratio		

NT121 Weight: 2.3 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 25 kg. Output Thrust Load (Fa) = 20 kg.
Shaft Keys: KK5-40.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio							
	1:1	2:1	3:1	4:1	5:1	6:1	8:1	9:1
3000	20.0	20.0	20.0	21.1	22.2	23.5	29.7	26.0
2000	23.0	23.0	23.6	24.7	26.0	27.4	28.6	30.0
1000	27.1	27.1	27.5	28.6	29.7	31.0	32.5	34.0
500	31.5	31.5	32.0	33.3	34.8	36.4	38.0	40.0
200	35.0	35.0	35.5	37.2	38.0	40.8	42.8	45.0
100	40.0	40.0	41.0	41.8	42.7	43.6	47.0	51.0
50	47.2	47.2	48.0	50.2	52.5	55.0	58.0	61.1
10	53.0	53.0	55.0	57.0	60.0	62.0	65.0	68.0

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

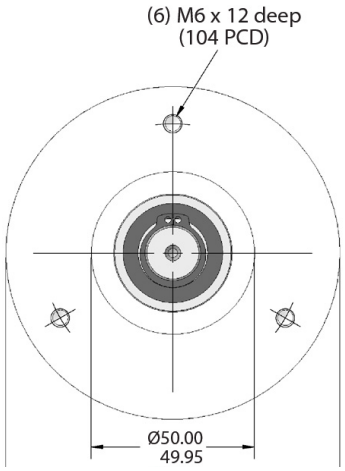
NT122
NH122

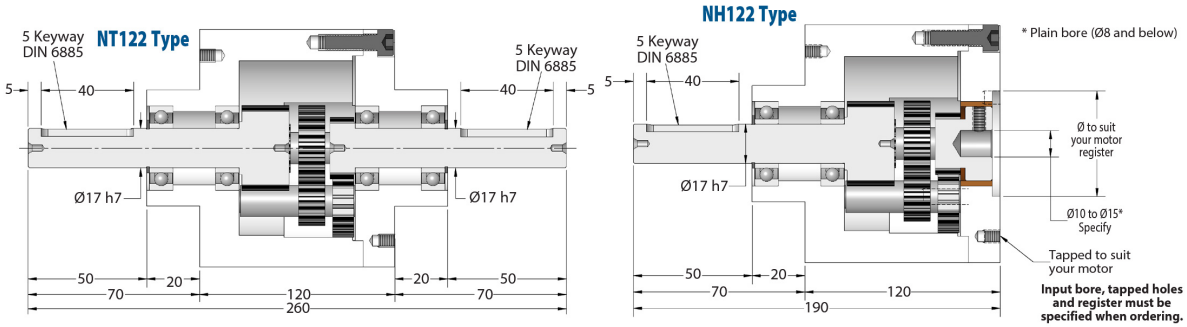
GEARBOXES

Inline Spur Gear Reducers

17mm Double or Single Shaft, 20 - 85 Nm **1:1 - 27:1**

NT122
NH122





Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT122-1/OPP	**NH122-1/OPP**	1:1	88%	42	Opposite
NT122-10	**NH122-10**	10:1	88%	42	Opposite
NT122-12	**NH122-12**	12:1	88%	42	Opposite
NT122-15	**NH122-15**	15:1	88%	42	Opposite
NT122-18	**NH122-18**	18:1	88%	42	Opposite
NT122-24	**NH122-24**	24:1	88%	42	Opposite
NT122-27	**NH122-27**	27:1	88%	42	Opposite
NT122-SP	**NH122-SP**	1:1 - 27:1	Special Ratios : Replace **SP** with required ratio		

NT122 Weight: 2.6 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 25 kg. Output Thrust Load (Fa) = 20 kg.

Shaft Keys: KK5-40.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	1:1	10:1	12:1	15:1	18:1	24:1	27:1
3000	20.0	32.0	32.0	32.0	32.0	32.0	32.0
2000	23.0	36.0	36.0	36.0	36.0	36.0	36.0
1000	27.1	42.0	42.0	42.0	42.0	42.0	42.0
500	31.5	49.0	49.0	49.0	49.0	49.0	49.0
200	35.0	54.0	54.0	54.0	54.0	54.0	54.0
100	40.0	61.0	61.0	61.0	61.0	61.0	61.0
50	47.2	73.0	73.0	73.0	73.0	73.0	73.0
10	53.0	85.0	85.0	85.0	85.0	85.0	85.0

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

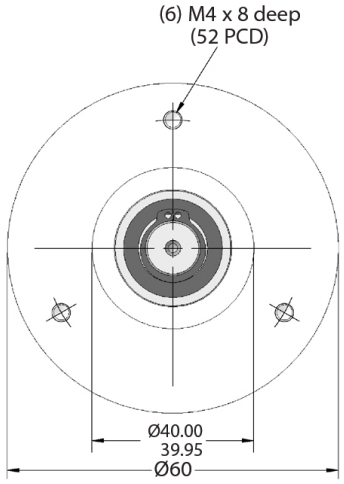
NT61
NH61

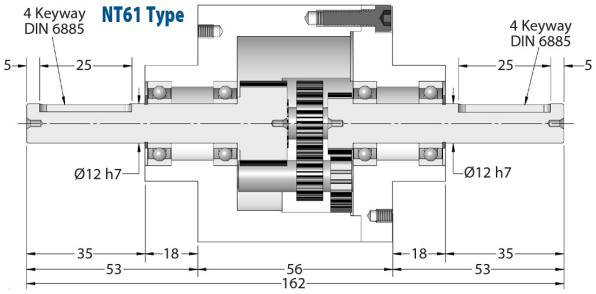
GEARBOXES

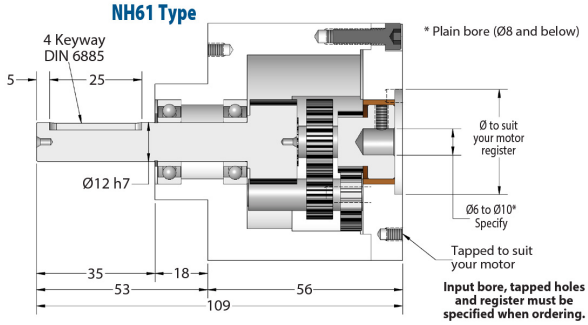
Inline Spur Gear Reducers

12mm Double or Single Shaft, 5 - 14 Nm **1:1 - 9:1**

NT61
NH61







Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT61-1/OPP	**NH61-1/OPP**	1:1	92%	6.50	Opposite
NT61-2	**NH61-2**	2:1	92%	6.50	Same
NT61-3	**NH61-3**	3:1	92%	6.50	Same
NT61-4	**NH61-4**	4:1	92%	6.50	Same
NT61-5	**NH61-5**	5:1	92%	7.00	Opposite
NT61-6	**NH61-6**	6:1	92%	7.00	Opposite
NT61-8	**NH61-8**	8:1	92%	7.00	Opposite
NT61-9	**NH61-9**	9:1	92%	7.00	Opposite
NT61-SP	**NH61-SP**	1:1 - 9:1	Special Ratios : Replace **SP** with required ratio		

NT61 Weight: 0.61 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 12 kg. Output Thrust Load (Fa) = 10 kg.

Shaft Keys: KK4-25.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio							
	1:1	**2:1**	**3:1**	**4:1**	**5:1**	**6:1**	**8:1**	**9:1**
3000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2000	5.5	5.5	5.5	5.5	6.0	6.0	6.0	6.0
1000	6.5	6.5	6.5	6.5	7.0	7.0	7.0	7.0
500	7.5	7.5	7.5	7.5	8.0	8.0	8.0	8.0
200	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
100	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
50	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
10	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

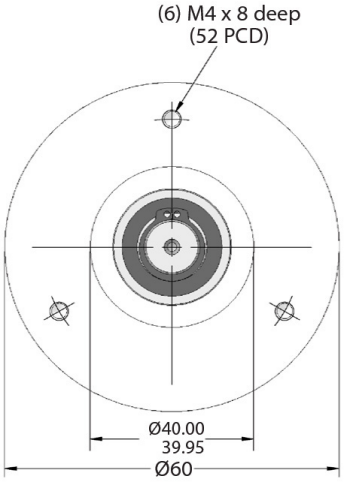
NT62
NH62

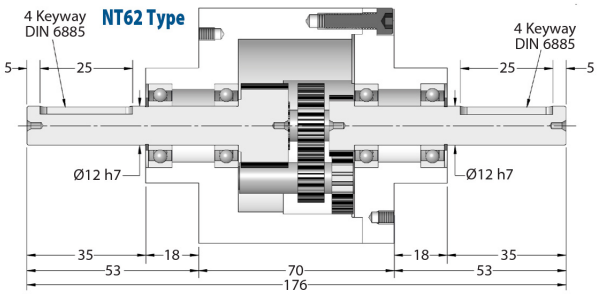
GEARBOXES

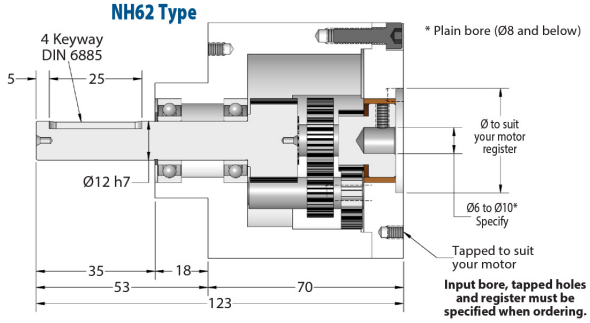
Inline Spur Gear Reducers

12mm Double or Single Shaft, 6 - 18 Nm **1:1 - 27:1**

NT62
NH62







Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT62-1/OPP	**NH62-1/OPP**	1:1	85%	8.5	Opposite
NT62-10	**NH62-10**	10:1	85%	8.5	Same
NT62-12	**NH62-12**	12:1	85%	9.0	Same
NT62-15	**NH62-15**	15:1	85%	9.0	Same
NT62-18	**NH62-18**	18:1	85%	9.0	Same
NT62-20	**NH62-20**	20:1	85%	9.0	Same
NT62-24	**NH62-24**	24:1	85%	9.0	Same
NT62-27	**NH62-27**	27:1	85%	9.0	Same
NT62-SP	**NH62-SP**	1:1 - 27:1	Special Ratios : Replace **SP** with required ratio		

NT62 Weight: 0.61 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 12 kg. Output Thrust Load (Fa) = 10 kg.

Shaft Keys: KK4-25.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio							
	1:1	10:1	12:1	15:1	18:1	20:1	24:1	27:1
3000	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0
2000	7.0	7.0	8.5	8.5	8.5	8.5	8.5	8.5
1000	8.5	8.5	9.0	9.0	9.0	9.0	9.0	9.0
500	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
200	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
100	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
50	14.0	14.0	16.0	16.0	16.0	16.0	16.0	16.0
10	16.0	16.0	18.0	18.0	18.0	18.0	18.0	18.0

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

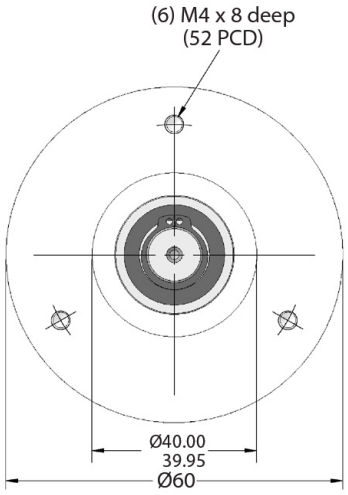
NT63
NH63

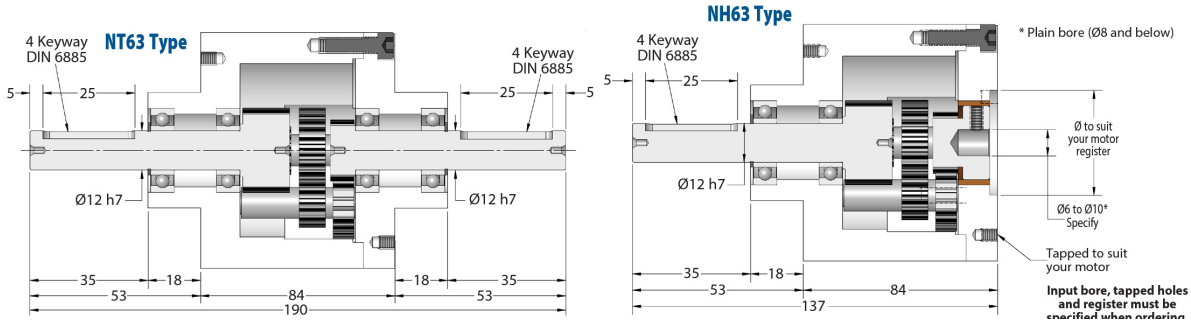
GEARBOXES

Inline Spur Gear Reducers

12mm Double or Single Shaft, 8 - 20 Nm **1:1 - 120:1**

NT63
NH63





Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT63-1/OPP	**NH63-1/OPP**	1:1	80%	9	Opposite
NT63-30	**NH63-30**	30:1	80%	9	Opposite
NT63-36	**NH63-36**	36:1	80%	10	Opposite
NT63-40	**NH63-40**	40:1	80%	10	Opposite
NT63-48	**NH63-48**	48:1	80%	10	Opposite
NT63-54	**NH63-54**	54:1	80%	10	Opposite
NT63-81	**NH63-81**	81:1	80%	10	Opposite
NT63-120	**NH63-120**	120:1	80%	10	Same
NT63-SP	**NH63-SP**	1:1 - 120:1	Special Ratios : Replace **SP** with required ratio		

NT63 Weight: 0.64 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 12 kg. Output Thrust Load (Fa) = 10 kg.

Shaft Keys: KK4-25.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio							
	1:1	30:1	36:1	40:1	48:1	54:1	81:1	120:1
3000	8.0	8.0	9.0	9.0	9.0	9.0	10.0	10.0
2000	8.5	8.5	9.0	9.0	9.0	9.0	10.0	10.0
1000	9.0	9.0	10.0	10.0	10.0	10.0	10.0	10.0
500	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0
200	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
100	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
50	16.0	16.0	17.0	17.0	17.0	17.0	17.0	17.0
10	19.0	19.0	20.0	20.0	20.0	20.0	20.0	20.0

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

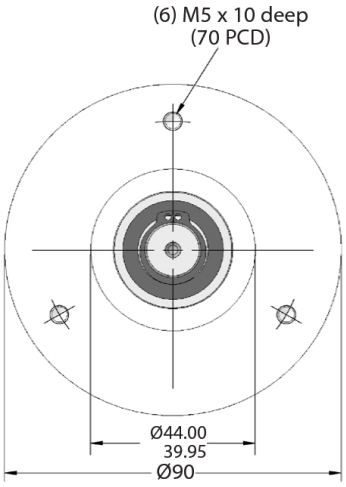
NT91
NH91

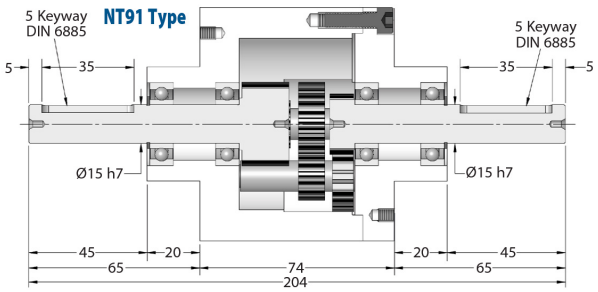
GEARBOXES

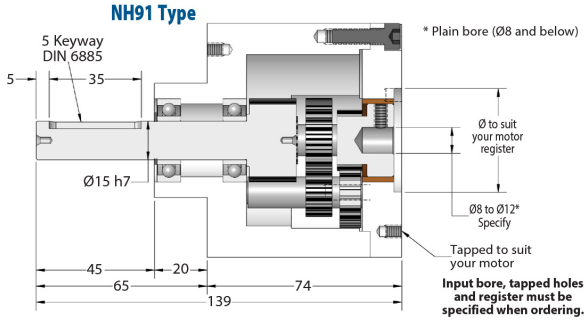
Inline Spur Gear Reducers

15mm Double or Single Shaft, 10 - 35 Nm **1:1 - 9:1**

NT91
NH91







Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT91-1/OPP	**NH91-1/OPP**	1:1	90%	15	Opposite
NT91-2	**NH91-2**	2:1	90%	15	Same
NT91-3	**NH91-3**	3:1	90%	16	Same
NT91-4	**NH91-4**	4:1	90%	17	Same
NT91-5	**NH91-5**	5:1	90%	18	Opposite
NT91-6	**NH91-6**	6:1	90%	19	Opposite
NT91-8	**NH91-8**	8:1	90%	19	Opposite
NT91-9	**NH91-9**	9:1	90%	20	Opposite
NT91-SP	**NH91-SP**	1:1 - 9:1	Special Ratios : Replace **SP** with required ratio		

NT91 Weight: 1.6 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 20 kg. Output Thrust Load (Fa) = 15 kg.

Shaft Keys: KK5-35.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio							
	1:1	2:1	3:1	4:1	5:1	6:1	8:1	9:1
3000	10	10	11	12	12	14	14	15
2000	12	12	13	14	15	16	16	17
1000	15	15	16	17	18	19	19	20
500	18	18	18	19	21	22	22	23
200	21	21	22	22	24	25	25	26
100	24	24	25	26	26	27	28	29
50	27	27	27	28	28	31	32	32
10	30	30	30	30	30	33	35	35

ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

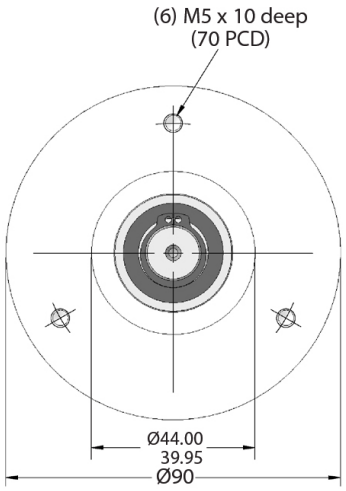
NT92
NH92

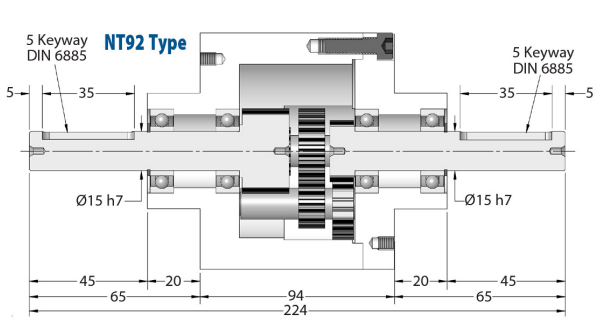
GEARBOXES

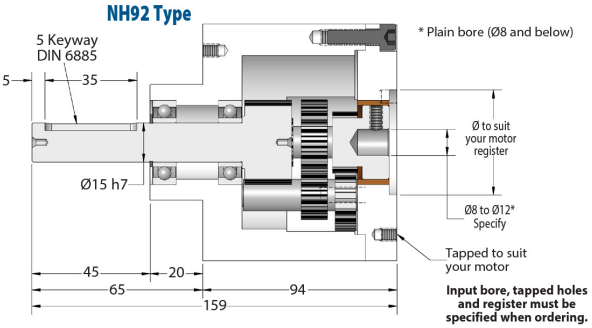
Inline Spur Gear Reducers

15mm Double or Single Shaft, 15 - 40 Nm **1:1 - 36:1**

NT92
NH92







Part Number		Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NT92-1/OPP	**NH92-1/OPP**	1:1	84%	21	Opposite
NT92-10	**NH92-10**	10:1	84%	21	Same
NT92-12	**NH92-12**	12:1	84%	21	Same
NT92-15	**NH92-15**	15:1	84%	23	Same
NT92-18	**NH92-18**	18:1	84%	23	Same
NT92-20	**NH92-20**	20:1	84%	23	Same
NT92-27	**NH92-27**	27:1	84%	24	Same
NT92-36	**NH92-36**	36:1	84%	24	Same
NT92-SP	**NH92-SP**	1:1 - 36:1	Special Ratios : Replace **SP** with required ratio		

NT92 Weight: 2.0 kg.
Backlash: Depends on ratio.
Max. Input Speed: 3,000 Rpm.
Greased for Life: Shell Gadus S5 V42P 2.5.
Max. Overhung and Thrust Loads at 1000 Rpm:
Output Overhung Load (Fxa) = 20 kg. Output Thrust Load (Fa) = 15 kg.

Shaft Keys: KK5-35.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio							
	1:1	10:1	12:1	15:1	18:1	20:1	27:1	36:1
3000	15	15	15	17	17	17	18	18
2000	18	18	18	20	20	20	21	21
1000	21	21	21	23	23	23	24	24
500	24	24	24	26	26	26	27	27
200	27	27	27	29	29	29	30	30
100	30	30	30	31	31	31	33	33
50	32	32	32	34	34	34	36	36
10	35	35	35	38	38	38	40	40

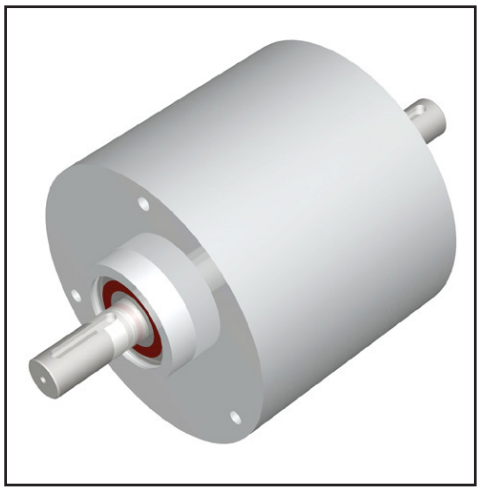
ondrives.us
1-888-260-7466
516-771-6444
sales@ondrivesus.com
www.ondrivesus.com

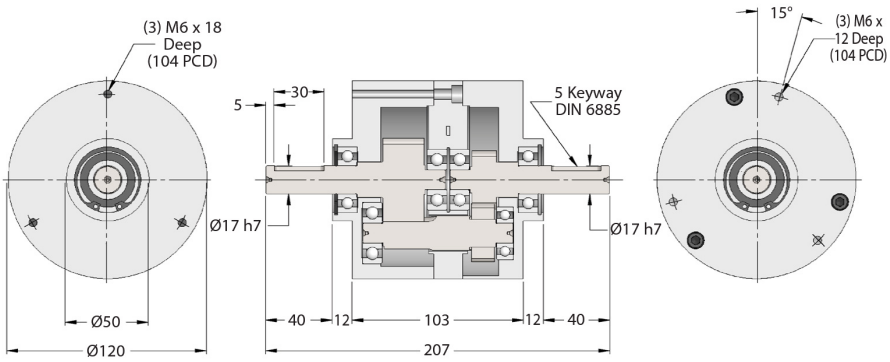
GEARBOXES

Inline Spur Gear Reducers

17mm Double Shaft, 20 - 65 Nm **1:1 - 9:1**

NTB121





Part Number	Ratio	Module	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NTB121-2	2:1	1.75	92%	27.1	Same
NTB121-3	3:1	1.75	92%	27.5	Same
NTB121-4	4:1	1.75	92%	28.6	Same
NTB121-5	5:1	1.75	92%	29.7	Same
NTB121-6	6:1	1.75	92%	30.4	Same
NTB121-8	8:1	1.75	92%	31.0	Same
NTB121-9	9:1	1.75	92%	32.5	Same
NTB121-SP	1:1 - 20:1		Special Ratios : Replace **SP** with required ratio		

Weight: 3 - 4 kg.
Backlash: Depends on ratio.
Max Input Speed: 3,000 Rpm.
Greased for life: Shell Gadus S5 V42P 2.5.

Shaft Keys: KK5-30.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

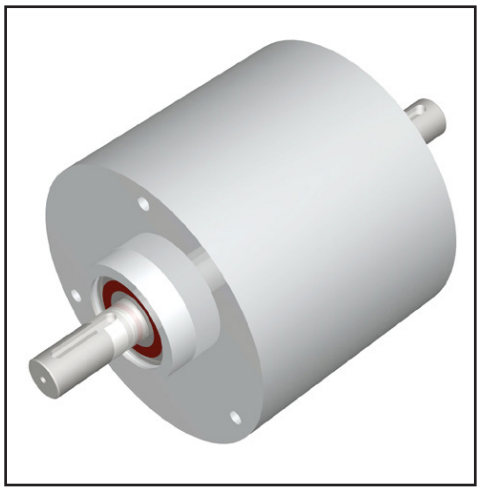
RPM Input	Reduction Ratio						
	2:1	**3:1**	**4:1**	**5:1**	**6:1**	**8:1**	**9:1**
3000	20.0	20.0	21.1	22.2	22.9	23.5	29.7
2000	23.0	23.6	24.7	26.0	26.7	27.4	28.6
1000	27.1	27.5	28.6	29.7	30.4	31.0	32.5
500	31.5	32.0	33.3	34.8	35.6	36.4	38.0
200	35.0	35.5	37.2	39.0	39.9	40.8	42.8
100	40.0	41.0	41.8	42.7	43.2	43.6	47.0
50	47.2	48.0	50.2	52.5	53.8	55.0	58.0
10	53.0	55.0	57.0	60.0	61.0	62.0	65.0

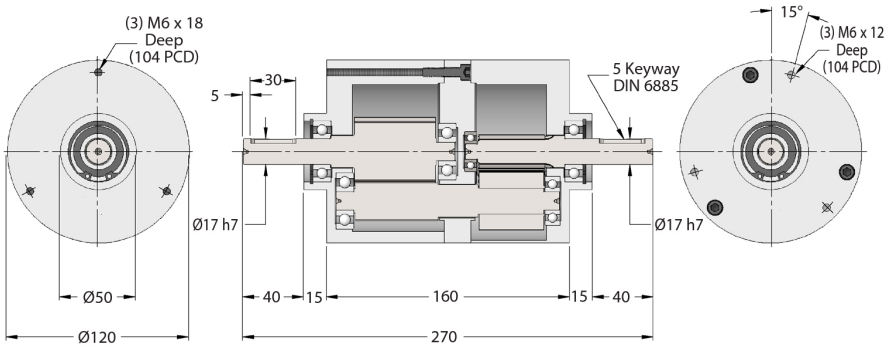
GEARBOXES

Inline Spur Gear Reducers

17mm Double Shaft, 32 - 90 Nm **1:1 - 90:1**

NTB122





Part Number	Ratio	Module	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Standard Direction
NTB122-10	10:1	1.75	92%	42	Opposite
NTB122-12	12:1	1.75	92%	43	Opposite
NTB122-15	15:1	1.75	92%	44	Opposite
NTB122-18	18:1	1.75	92%	45	Opposite
NTB122-20	20:1	1.75	92%	46	Opposite
NTB122-24	24:1	1.75	92%	47	Opposite
NTB122-27	27:1	1.75	92%	48	Opposite
NTB122-SP	1:1 - 90:1		Special Ratios : Replace **SP** with required ratio		

Weight: 4 - 5 kg.
Backlash: Depends on ratio.
Max Input Speed: 3,000 Rpm.
Greased for life: Shell Gadus S5 V42P 2.5.

Shaft Keys: KK5-30.

Testing in your application is necessary.
You will need to assess duty cycles and confirm gearbox suitability with your own calculations.
All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio						
	10:1	12:1	15:1	18:1	20:1	24:1	27:1
3000	32	33	34	35	36	37	38
2000	36	37	38	39	41	42	43
1000	42	43	44	45	46	47	48
500	49	51	52	53	54	55	56
200	54	56	58	60	61	63	65
100	61	64	67	70	72	73	73
50	73	76	78	82	85	86	86
10	85	86	88	89	90	90	90