

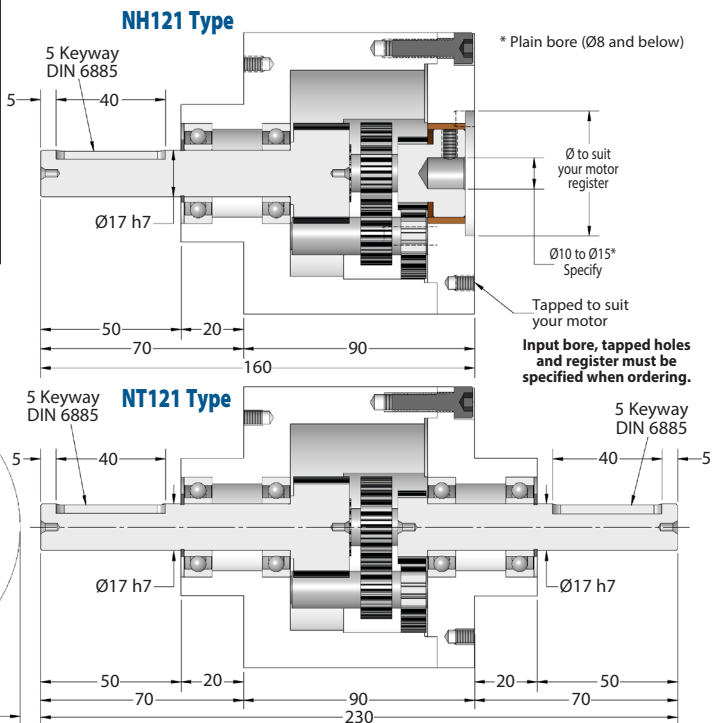
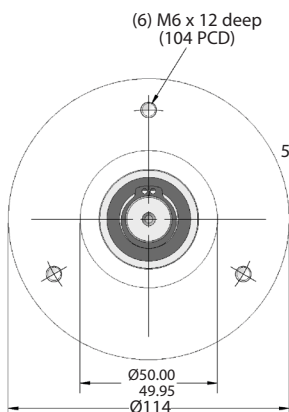
NT121
NH121

e-cad
Drawings
Available

GEARBOXES

Inline Spur Gear Reducers

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



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 (F_{a0}) = 25 kg. Output Thrust Load (F_a) = 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