



PNEUTORQUE® STANDARD SERIES



From left to right PT 5 Remote, PT 5 Single Speed, PT 5 Automatic Two Speed and PT 5 Manual Two Speed

Based on the original PneuTorque®, the 'Standard Series' range is a direct result of over 50 years of refinement and development necessary to keep pace with the requirements of industry today.

In use in many thousands of applications worldwide PneuTorque® wrenches continue to represent the foundation of Norbar's powered tool range. Two speed models offer all the advantages of single speed versions but with the additional benefit of a run-down speed five times greater than the high torque speed setting.

- Models available for almost every bolting and torque application, up to 300,000 N·m
- Forward and reverse operation
- Quiet, non-impacting or pulsing operation - low operator fatigue
- Stall control gives repeatability of $\pm 5\%$ on a given joint
- Other reaction styles can be designed to suit specific applications
- Electronic torque transducers can be fitted for precise torque monitoring



From left to right PT 1 Single Speed, PT 5 Single Speed, PT 9 Single Speed and PT 14 Single Speed



PNEUTORQUE® STANDARD SERIES



11	TO 100,000 N·m - SINGLE SPEED
16031	PT 1 ¾" sq. dr., 160 - 680 N·m, 120 - 500 lbf-ft
16011	PT 1 1" sq. dr., 160 - 680 N·m, 120 - 500 lbf-ft
16098	PT 1A ¾" sq. dr., 270 - 1,200 N·m, 200 - 900 lbf-ft
16097	PT 1A 1" sq. dr., 270 - 1,200 N·m, 200 - 900 lbf-ft
16013	PT 2 1" sq. dr., 515 - 1,700 N·m, 380 - 1,250 lbf-ft
16015	PT 5 1" sq. dr., 880 - 3,400 N·m, 650 - 2,500 lbf-ft
16017	PT 6 1½" sq. dr., 880 - 3,400 N·m, 650 - 2,500 lbf-ft
16066	PT 7 1½" sq. dr., 1,762 - 6,000 N·m, 1,300 - 4,500 lbf-ft
16072	PT 9 1½" sq. dr., 2,710 - 9,500 N·m, 2,000 - 7,000 lbf-ft
16046	PT 11 2½" sq. dr., 4,400 - 20,000 N·m, 3,250 - 14,700 lbf-ft
18086	PT 12 2½" sq. dr., 9,500 - 34,000 N·m, 7,000 - 25,000 lbf-ft
16052	PT 13 2½" sq. dr., 13,550 - 47,000 N·m, 10,000 - 35,000 lbf-ft
16045	PT 14 3½" sq. dr., 22,375 - 100,000 N·m, 16,500 - 73,500 lbf-ft

11	TO 9,500 N·m - AUTOMATIC TWO SPEED
16031.AUT	PT 1 ¾" sq. dr., Auto 2SP 160 - 680 N·m, 120 - 500 lbf-ft
16011.AUT	PT 1 1" sq. dr., Auto 2SP 160 - 680 N·m, 120 - 500 lbf-ft
16098.AUT	PT 1A ¾" sq. dr., Auto 2SP 400 - 1,200 N·m, 295 - 900 lbf-ft
16097.AUT	PT 1A 1" sq. dr., Auto 2SP 400 - 1,200 N·m, 295 - 900 lbf-ft
16013.AUT	PT 2 1" sq. dr., Auto 2SP 700 - 1,700 N·m, 516 - 1,250 lbf-ft
16015.AUT	PT 5 1" sq. dr., Auto 2SP 880 - 3,400 N·m, 650 - 2,500 lbf-ft
16017.AUT	PT 6 1½" sq. dr., Auto 2SP 880 - 3,400 N·m, 650 - 2,500 lbf-ft
16066.AUT	PT 7 1½" sq. dr., Auto 2SP 2,200 - 6,000 N·m, 1,622 - 4,500 lbf-ft
16072.AUT	PT 9 1½" sq. dr., Auto 2SP 2,100 - 9,500 N·m, 2,286 - 7,000 lbf-ft

11	TO 300,000 N·m - MANUAL TWO SPEED
16031.MTS	PT 1 ¾" sq. dr., MTS 160 - 680 N·m, 120 - 500 lbf-ft
16011.MTS	PT 1 1" sq. dr., MTS 160 - 680 N·m, 120 - 500 lbf-ft
16098.MTS	PT 1A ¾" sq. dr., MTS 270 - 1,200 N·m, 200 - 900 lbf-ft
16097.MTS	PT 1A 1" sq. dr., MTS 270 - 1,200 N·m, 200 - 900 lbf-ft
16013.MTS	PT 2 1" sq. dr., MTS 515 - 1,700 N·m, 380 - 1,250 lbf-ft
16015.MTS	PT 5 1" sq. dr., MTS 880 - 3,400 N·m, 650 - 2,500 lbf-ft
16017.MTS	PT 6 1½" sq. dr., MTS 880 - 3,400 N·m, 650 - 2,500 lbf-ft
16066.MTS	PT 7 1½" sq. dr., 1,762 - 6,000 N·m, 1,300 - 4,500 lbf-ft
16072.MTS	PT 9 1½" sq. dr., 2,710 - 9,500 N·m, 2,000 - 7,000 lbf-ft
16046.MTS	PT 11 2½" sq. dr., 4,400 - 20,000 N·m, 3,250 - 14,700 lbf-ft
18086.MTS	PT 12 2½" sq. dr., 9,500 - 34,000 N·m, 7,000 - 25,000 lbf-ft
16052.MTS	PT 13 2½" sq. dr. 13,550 - 47,000 N·m, 10,000 - 35,000 lbf-ft
16045.MTS	PT 14 3½" sq. dr. 22,375 - 100,000 N·m, 16,500 - 73,500 lbf-ft
18089.MTS	PT 15 MTS 40,000 - 150,000 N·m, 29,500 - 110,500 lbf-ft
18090.MTS	PT 16 MTS 55,000 - 200,000 N·m, 40,500 - 147,500 lbf-ft
18088.MTS	PT 17 MTS 70,000 - 250,000 N·m, 51,500 - 184,500 lbf-ft
16054.MTS	PT 18 MTS 85,000 - 300,000 N·m, 62,500 - 221,500 lbf-ft
16490	Lifting Bracket for Standard Series (up to PT7)

MTS = Manual Two Speed. Auto 2SP = Automatic Two Speed.

Angle Encoders are available for Standard Series PTs please contact Norbar for further details.

NB: PneuTorque® PT 11 - PT 18 are supplied with a Lubro Control Unit as standard equipment.

PneuTorques PT 12, 13 and 14 are also supplied with a weld prepared reaction ring as standard. PT 13 and 14 are also supplied with a transporting trolley. PT 15 - 18 do not include output drive or reaction. These components will be engineered uniquely for each application. Remote PT part numbers are designated with an .X

e.g. PT 1 Remote is 16031.X

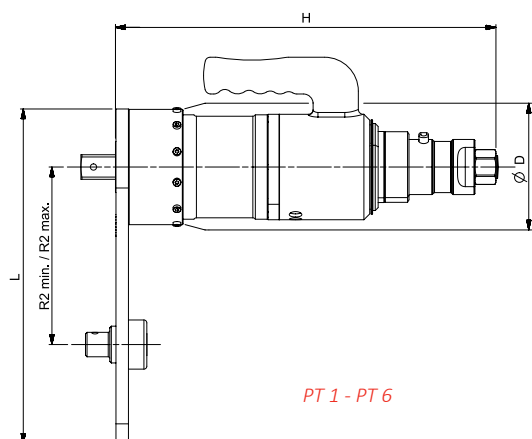
e.g. PT 1 Remote Auto is 16031.XAUT



PT 16 Manual Two Speed



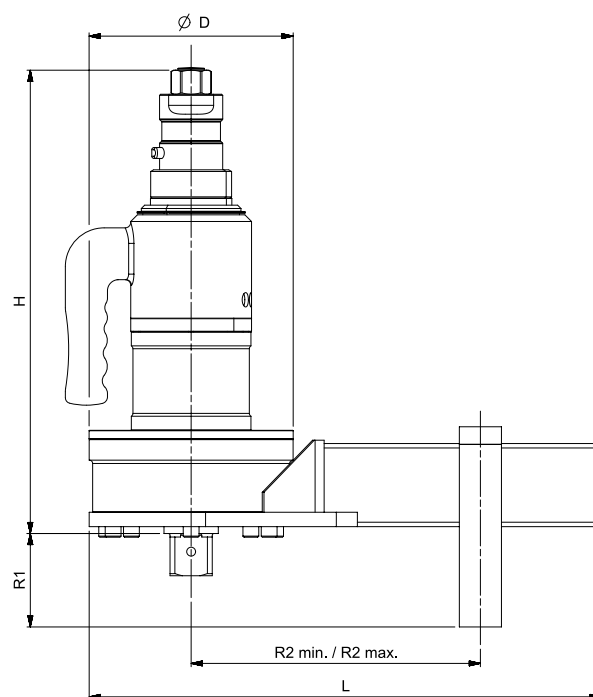
PNEUTORQUE® STANDARD SERIES



PT 1 - PT 6

PneuTorque® Standard Series Automatic Two Speed

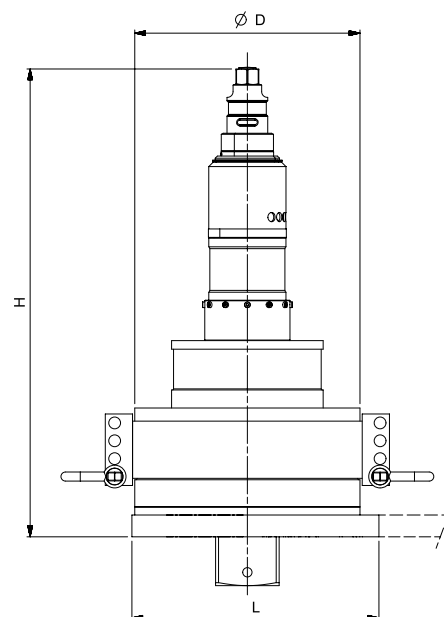
Model	PT 1	PT 1A	PT 2	PT 5	PT 6	PT 7	PT 9
Part Number	16031.AUT 16011.AUT	16098.AUT 16097.AUT	16013.AUT	16015.AUT	16017.AUT	16066.AUT	16072.AUT
Output Speed (rpm)	150	75	45	25	25	12.5	9
Dimensions (mm)	ØD	108	108	108	119	119	144
	H	419	419	419	462	464	492
	L	303	303	303	355	355	423
	R1	N/A	N/A	N/A	N/A	N/A	84
	R2 min.	83	83	83	86	86	150
	R2 max.	216	216	216	263	263	331
Tool Weight (kg)	14.1	14.6	14.6	17.5	17.5	23.2	27.9
Reaction Weight (kg)	2.2	2.2	2.2	2.5	2.5	6.3	8.3



PT 7 - PT 9 (PT 11 supplied with flat reaction)

PneuTorque® Standard Series Single Speed

Model	PT 1	PT 1A	PT 2	PT 5	PT 6	PT 7	PT 9	PT 11	PT 12	PT 13	PT 14
Part Number	16031 16011	16098 16097	16013	16015	16017	16066	16072	16046	18086	16052	16045
Output Speed (rpm)	30	15	9	5	5	2.5	1.8	1.2	0.5	0.3	0.2
Dimensions (mm)	ØD	108	108	108	119	119	144	184	212	248	315
	H	350	350	350	393	395	423	418	495	536	578
	L	303	303	303	355	355	423	448	609	325	341
	R1	N/A	N/A	N/A	N/A	N/A	84	84	N/A	N/A	N/A
	R2 min.	83	83	83	86	86	150	175	320	N/A	N/A
	R2 max.	216	216	216	263	263	331	351	500	N/A	N/A
Tool Weight (kg)	10.6	11.1	11.1	14.0	14.0	19.7	24.4	38.6	49.8	102.2	119.4
Reaction Weight (kg)	2.2	2.2	2.2	2.5	2.5	6.3	8.3	13.3	6.5	6.9	10.4



PT 12 - PT 14

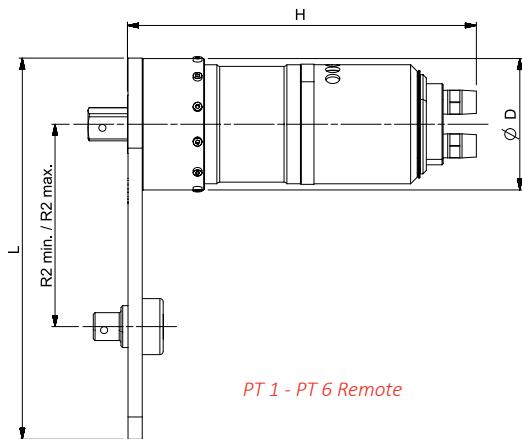
PneuTorque® Standard Series Manual Two Speed

Model	PT 1	PT 1A	PT 2	PT 5	PT 6	PT 7	PT 9	PT 11	PT 12	PT 13	PT 14	PT 15	PT 16	PT 17	PT 18
Part Number	16031.MTS 16011.MTS	16098.MTS 16097.MTS	16013.MTS	16015.MTS	16017.MTS	16066.MTS	16072.MTS	16046.MTS	18086.MTS	16052.MTS	16045.MTS	18089.MTS	18090.MTS	18088.MTS	16054.MTS
Output Speed (rpm)	150	75	45	25	25	12.5	9	6	2.5	1.5	1	0.5	0.4	0.35	0.3
Dimensions (mm)	ØD	108	108	108	119	119	144	184	212	248	315	315	*	410	410
	H	436	436	436	479	481	509	504	581	622	664	729	*	866	939
	L	303	303	303	355	355	423	448	609	325	341	341	*	N/A	N/A
	R1	N/A	N/A	N/A	N/A	N/A	84	84	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2 min.	83	83	83	86	86	150	175	320	N/A	N/A	N/A	N/A	N/A	N/A
	R2 max.	216	216	216	263	263	331	351	500	N/A	N/A	N/A	N/A	N/A	N/A
Tool Weight (kg)	14.1	14.6	14.6	17.5	17.5	23.2	27.9	42.1	53.3	105.7	122.9	*	270.0	285.0	380.0
Reaction Weight (kg)	2.2	2.2	2.2	2.5	2.5	6.3	8.3	13.3	6.5	6.9	10.4	N/A	N/A	N/A	N/A

* Available on request



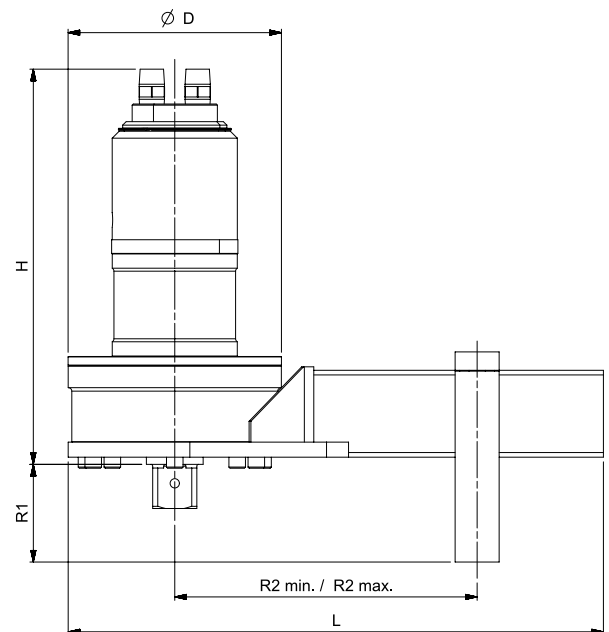
PNEUTORQUE® STANDARD SERIES



PT 1 - PT 6 Remote

PneuTorque® Standard Series Automatic Two Speed - Remote

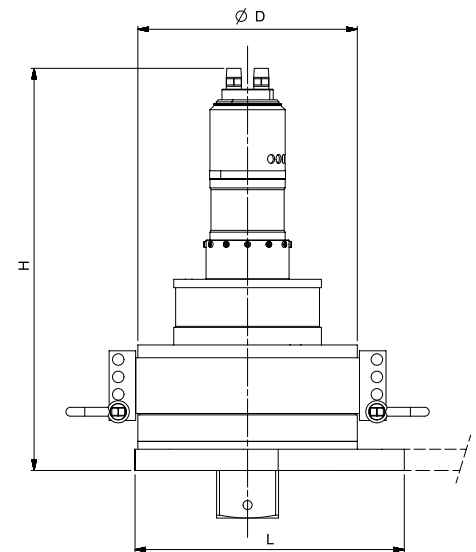
Model	PT 1	PT 1A	PT 2	PT 5	PT 6	PT 7	PT 9
Part Number	16031.XAUT 16011.XAUT	16098.XAUT 16097.XAUT	16013.XAUT	16015.XAUT	16017.XAUT	16066.XAUT	16072.XAUT
Output Speed (rpm)	150	75	45	25	25	12.5	9
Dimensions (mm)	ØD	108	108	108	119	119	144
	H	339	339	339	382	383	412
	L	303	303	303	355	355	423
	R1	N/A	N/A	N/A	N/A	N/A	84
	R2 min.	83	83	83	86	86	150
	R2 max.	216	216	216	263	263	331
Tool Weight (kg)	14.1	14.6	14.6	17.5	17.5	23.2	27.9
Reaction Weight (kg)	2.2	2.2	2.2	2.5	2.5	6.3	8.3



PT 7 - PT 9 Remote (PT 11 Remote supplied with flat reaction)

PneuTorque® Standard Series Single Speed - Remote

Model	PT 1	PT 1A	PT 2	PT 5	PT 6	PT 7	PT 9	PT 11	PT 12	PT 13	PT 14
Part Number	16031.X 16011.X	16098.X 16097.X	16013.X	16015.X	16017.X	16066.X	16072.X	16046.X	18086.X	16052.X	16045.X
Output Speed (rpm)	30	15	9	5	5	2.5	1.8	1.2	0.5	0.3	0.2
Dimensions (mm)	ØD	108	108	108	119	119	144	184	212	248	315
	H	270	270	270	313	314	343	340	415	456	490
	L	303	303	303	355	355	423	448	609	325	341
	R1	N/A	N/A	N/A	N/A	N/A	84	84	N/A	N/A	N/A
	R2 min.	83	83	83	86	86	150	175	320	N/A	N/A
	R2 max.	216	216	216	263	263	331	351	500	N/A	N/A
Tool Weight (kg)	10.6	11.1	11.1	14.0	14.0	17.9	24.4	38.6	49.8	102.2	119.4
Reaction Weight (kg)	2.2	2.2	2.2	2.5	2.5	6.3	8.3	13.3	6.5	6.9	10.4



PT 12 - PT 14 Remote

PneuTorque® Standard Series Manual Two Speed - Remote

Model	PT 1	PT 1A	PT 2	PT 5	PT 6	PT 7	PT 9	PT 11	PT 12	PT 13	PT 14	PT 15	PT 16	PT 17	PT 18
Part Number	16031.XMTS 16011.XMTS	16098.XMTS 16097.XMTS	16013.XMTS	16015.XMTS	16017.XMTS	16066.XMTS	16072.XMTS	16046.XMTS	18086.XMTS	16052.XMTS	16045.XMTS	18089.XMTS	18090.XMTS	18088.XMTS	16054.XMTS
Output Speed (rpm)	150	75	45	25	25	12.5	9	6	2.5	1.5	1	0.5	0.4	0.35	0.3
Dimensions (mm)	ØD	108	108	108	119	119	144	184	212	248	315	315	*	410	410
	H	356	356	356	399	400	429	425	501	542	576	649	*	786	859
	L	303	303	303	355	355	423	448	609	325	341	341	*	N/A	N/A
	R1	N/A	N/A	N/A	N/A	N/A	84	84	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2 min.	83	83	83	86	86	150	175	320	N/A	N/A	N/A	N/A	N/A	N/A
	R2 max.	216	216	216	263	263	331	351	500	N/A	N/A	N/A	N/A	N/A	N/A
Tool Weight (kg)	14.1	14.6	14.6	17.5	17.5	23.2	27.9	42.1	53.3	105.7	122.9	*	270.0	285.0	380.0
Reaction Weight (kg)	2.2	2.2	2.2	2.5	2.5	6.3	8.3	13.3	6.5	6.9	10.4	N/A	N/A	N/A	N/A

* Available on request