



RIGHT ANGLE GEARBOX

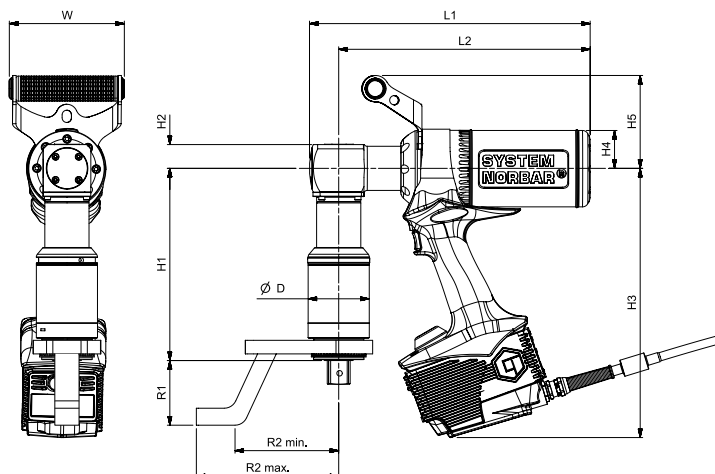


Right Angle Gearbox
(180280)

11	RIGHT ANGLE GEARBOX	£
180280	¾" sq. dr. 100- 500 N-m, 74- 370 lbf-ft	

To order a pre-assembled tool add the suffix .RA onto the end of the part number and add £1496.54 onto the price of the tool.

The EvoTorque®2 can also be supplied in a Peli Case pre-assembled to a Right Angle Gearbox at an additional charge. Please add .RAPEL onto the end of the EvoTorque®2 part number and add £2631.32 onto the price of the tool.



Model	ET-72-1000 ET-72-1350	ET-72-2000	ET-92-2700 ET-92-4000	ET-119-6000 ET-119-7000
Part Number/s	180230.B06.RA 180220.B06.RA 180231.B06.RA 180221.B06.RA	180232.B08.RA 180222.B08.RA	180233.B08.RA 180223.B08.RA 180234.B08.RA 180224.B08.RA	180235.B12.RA 180225.B12.RA 180236.B12.RA 180226.B12.RA
Output Speed (rpm)	21 (ET-72-1000) 17 (ET-72-1350)	11	8.5 (ET-92-2700) 6 (ET-92-4000)	3.3
Dimensions (mm)	ØD	72	72	92
	H1	198	226	250
	H2	28	28	28
	H3	317	317	317
	H4	45	45	45
	H5	109	109	109
	L1	331	331	331
	L2	296	296	296
	R1	71	76	90
	R2 min.	124	124	162
	R2 max.	167	167	210
	W	136	136	136
Tool Weight (kg)	12.56	12.96	15.01	18.96
Reaction Weight (kg)	1.5	1.5	2.6	3.9

The Right Angle Gearbox Adaptor will provide most ET, PTS™ and PTM tools with a 90° angle of operation, enabling the benefits of Norbar's pneumatic and electric torque tools to be brought to a host of applications from which they are currently excluded due to space restrictions.

- Allows Norbar PTM, PTS™ and EvoTorque® tools to be used for many applications with restricted access
- Allows more comfortable operation of these tools on vertical bolting applications at chest height and above as the pistol grip is presented correctly to the operator
- The tool handle can rotate 360° in relation to the Right Angle Gearbox allowing the most comfortable and safest position to be found
- The handle and Right Angle Gearbox can index in relation to the tool gearbox meaning that reaction forces are not passed back to the operator
- Manufactured from steel, the Right Angle Gearbox is robustly constructed for durability and long life
- The Right Angle Gearbox can be purchased as a stand-alone product and retrofitted to existing Norbar tools by suitably qualified technicians. Norbar recommend tool recalibration after a Right Angle Gearbox has been fitted but where this is not possible, an efficiency of 97% can be assumed



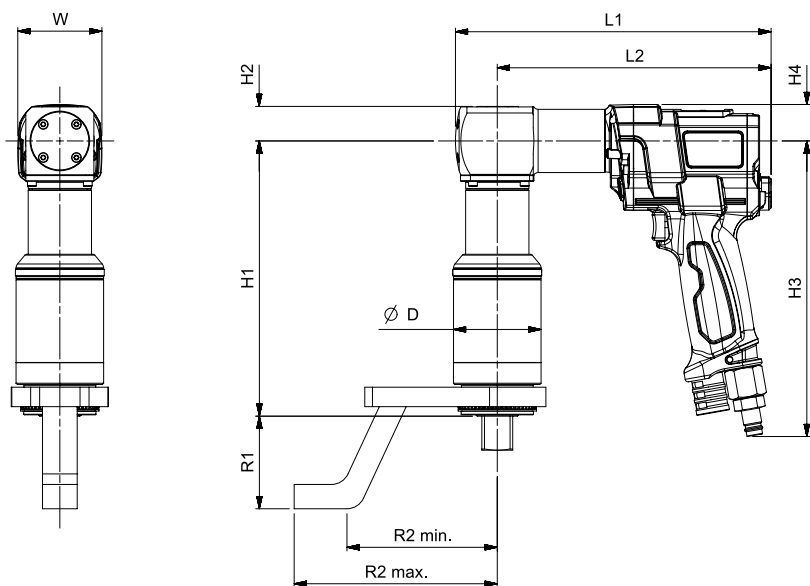
Right Angle Gearbox fitted to EvoTorque®2



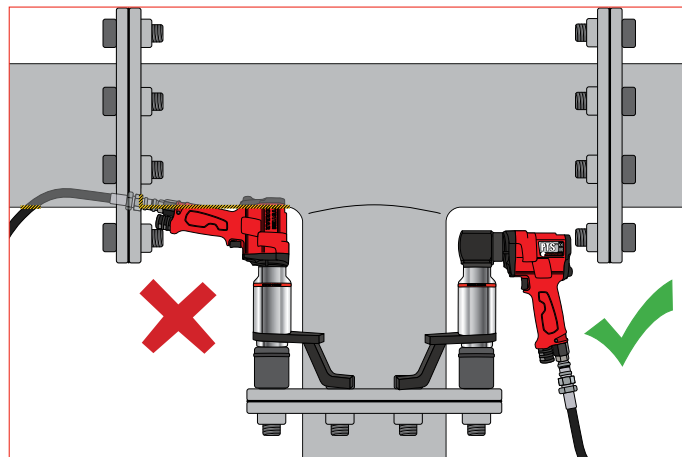


RIGHT ANGLE GEARBOX

Model		PTS™-52-500 PTS™-52-800	PTS™-72-1000 PTS™-72-1350	PTS™-72-2000	PTS™-80-2700	PTS™-92-4000	PTS™-119-7000
Part Number/s		180241.B06.RA 180242.B06.RA	180243.B06.RA 180244.B08.RA	180245.B08.RA	180246.B08.RA	180247.B08.RA 180247.B12.RA	180248.B12.RA
Output Speed (rpm)		35.5 (PTS™-52-500) 25.7 (PTS™-52-800)	20.4 (PTS™-72-1000) 14.7 (PTS™-72-1350)	9.2	7.3	5.3	2.6
Dimensions (mm)	ØD	52	72	72	80	92	119
	H1	166	198	226	250	250	272
	H2	28	28	28	28	28	28
	H3	243	243	243	243	243	243
	H4	30	30	30	30	30	30
	L1	260	260	260	260	260	260
	L2	225	225	225	225	225	225
	R1	59	76	76	76	70	90
	R2 min.	71	124	124	124	125	162
	R2 max.	131	167	167	167	175	210
	W	69	69	69	69	69	69
Tool Weight (kg)		6.36	8.4	8.76	8.31	11.11	14.68
Reaction Weight (kg)		0.85	1.4	1.4	1.4	2.5	3.8



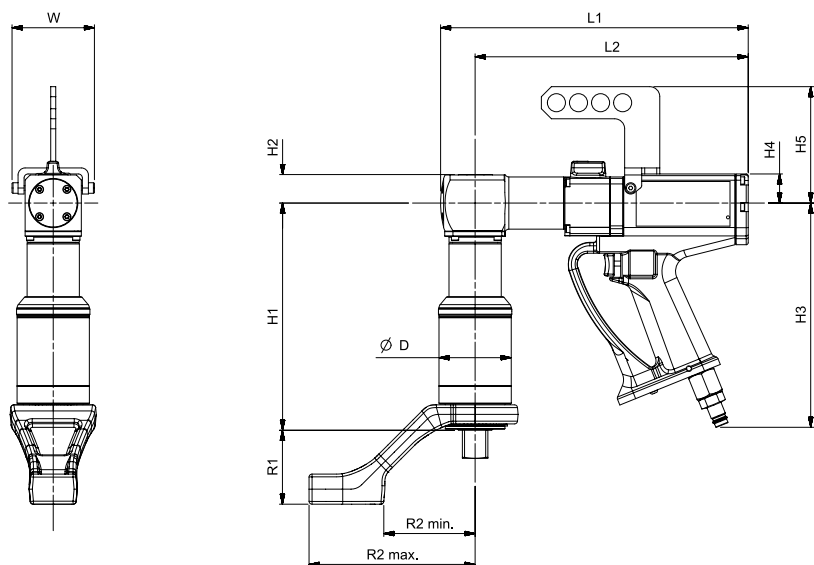
Right Angle Gearbox fitted to PTS™





RIGHT ANGLE GEARBOX

Model		PTM-52-500-B PTM-52-800-B	PTM-72-1000-B PTM-72-1350-B	PTM-72-2000-B	PTM-92-2700-B PTM-92-4000-B	PTM-119-4500-B PTM-119-6000-B
Part Number/s		18100.B06.RA 18101.B06.RA	18102.B06.RA 18103.B08.RA	18104.B08.RA	18106.B08.RA 18119.B08.RA 18119.B12.RA	18108.B12.RA 18109.B12.RA
Output Speed (rpm)		224 (PTM-52-500-B) 148 (PTM-52-800-B)	122 (PTM-72-1000-B) 86 (PTM-72-1350-B)	58	46 (PTM-92-2700-B) 32 (PTM-92-4000-B)	23 (PTM-119-4500-B) 15.5 (PTM-119-6000-B)
Dimensions (mm)	ØD	52	72	72	92	119
	H1	166	198	226	250	272
	H2	28	28	28	28	28
	H3	224	224	224	224	224
	H4	29	29	29	29	29
	H5	116	116	116	116	116
	L1	307	307	307	307	307
	L2	272	272	272	272	272
	R1	59	74	74	87	119
	R2 min.	71	91	91	124	149
	R2 max.	131	166	166	205	199
	W	82	82	82	82	82
Tool Weight (kg)		6.26	8.26	8.66	10.66	15.36
Reaction Weight (kg)		0.85	0.7	0.7	1.35	2.2



Right Angle Gearbox fitted to PTM

