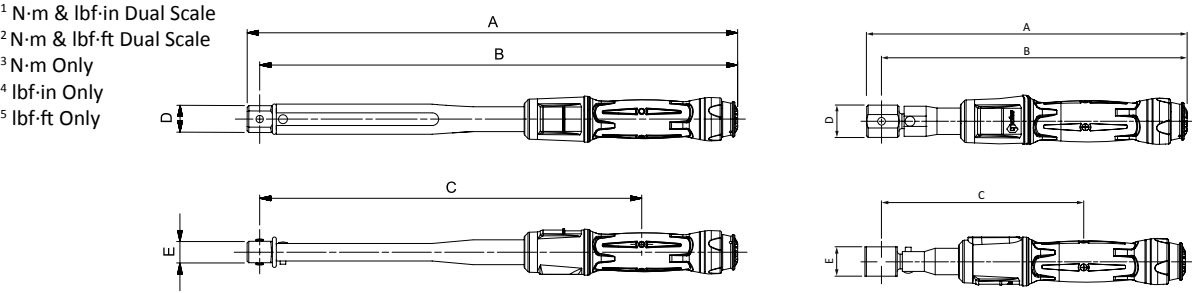


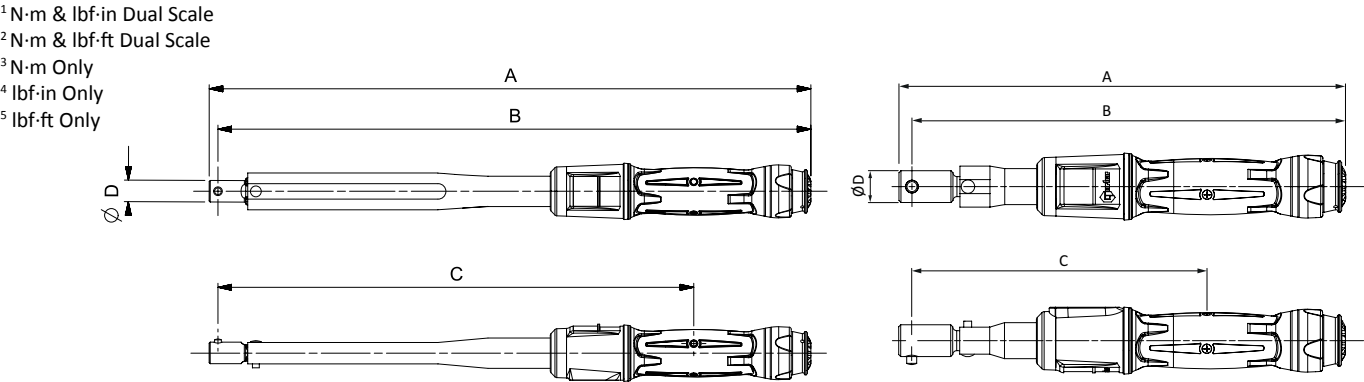
Female Torque Handles

Model		Pro 15 9 x 12	Pro 25 9 x 12	Pro 50 9 x 12	Pro 100 9 x 12	Pro 200 9 x 12	Pro 200 14 x 18	Pro 300 14 x 18	Pro 340 14 x 18	Pro 400 14 x 18
Part Number		15100 ¹ 15110 ³ 15130 ⁴	15101 ¹ 15111 ³ 15131 ⁴	15102 ² 15112 ³ 15132 ⁴ 15122 ⁵	15103 ² 15113 ³ 15133 ⁴ 15123 ⁵	15104 ² 15114 ³ 15134 ⁴ 15124 ⁵	15105 ² 15115 ³ 15135 ⁴ 15125 ⁵	15106 ² 15116 ³ 15136 ⁴ 15126 ⁵	15107 ² 15117 ³ 15127 ⁴ 15137 ⁵	15108 ² 15118 ³ 15128 ⁴ 15138 ⁵
	N-m	3 - 15	5 - 25	10 - 50	20 - 100	40 - 200	40 - 200	60 - 300	60 - 340	80 - 400
	lbf-in	27 - 132	44 - 220	90 - 445	200 - 900	400 - 1800	400 - 1800	500 - 2500	500 - 3000	700 - 3500
	lbf-ft	N/A	N/A	7.5 - 37.5	15 - 75	30 - 150	30 - 150	44 - 222	44 - 250	60 - 300
Rectangular Drive (mm)		9 x 12	9 x 12	9 x 12	9 x 12	9 x 12	14 x 18	14 x 18	14 x 18	14 x 18
Dimensions (mm)	A	218	218	325	365	442	453	570	662	664
	B	204	204	314	354	431	440	557	649	649
	C	139	139	227	267	345	353	440	562	563
	D	22	22	22	22	25	34	34	34	32
	E	20	20	20	20	20	26	28	28	24
Weight (Kg)		0.26	0.26	0.64	0.71	0.91	0.95	1.17	1.27	1.69



16 mm Spigot Torque Handles

Model		Pro 15	Pro 25	Pro 50	Pro 100	Pro 200	Pro 300
Part Number		15060 ¹ 15070 ³ 15090 ⁴	15061 ¹ 15071 ³ 15091 ⁴	15062 ² 15072 ³ 15092 ⁴ 15082 ⁵	15063 ² 15073 ³ 15093 ⁴ 15083 ⁵	15064 ² 15074 ³ 15094 ⁴ 15084 ⁵	15065 ² 15075 ³ 15095 ⁴ 15085 ⁵
	N-m	3 - 15	5 - 25	10 - 50	20 - 100	40 - 200	60 - 300
	lbf-in	27 - 132	44 - 220	90 - 445	200 - 900	400 - 1800	500 - 2500
	lbf-ft	N/A	N/A	7.5 - 37.5	15 - 75	30 - 150	44 - 222
Dimensions (mm)	A	223	223	322	363	445	569
	B	216	216	316	356	438	563
	C	148	148	229	269	351	476
	ØD	16	16	16	16	16	16
Weight (Kg)		0.26	0.26	0.62	0.7	0.85	1.17



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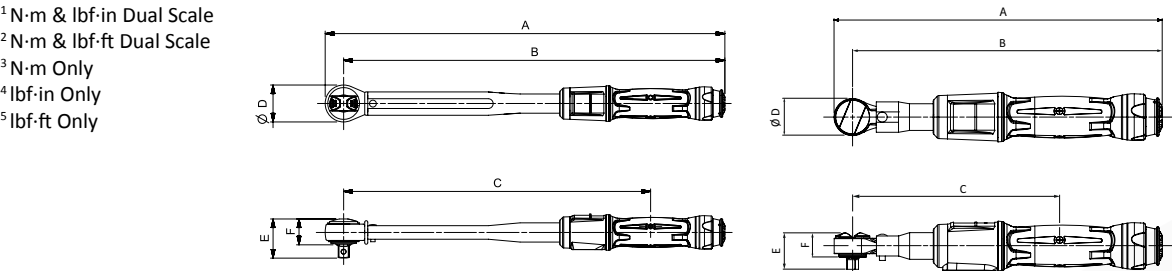
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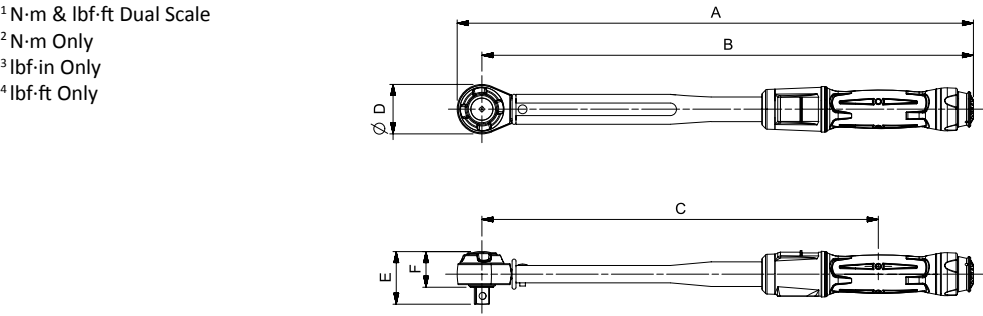
Automotive Ratchets

Model		Pro 15 ¾"	Pro 15 ¾"	Pro 25 ¾"	Pro 25 ¾"	Pro 50 ¾"	Pro 50 ½"	Pro 100 ¾"	Pro 100 ½"	Pro 200 ½"
Part Number		15008 ¹	15009 ¹	15010 ¹	15011 ¹	15012 ²	15013 ²	15014 ²	15015 ²	15016 ²
		15018 ³	15019 ³	15020 ³	15021 ³	15022 ³	15023 ³	15024 ³	15025 ³	15026 ³
		15028 ⁴	15029 ⁴	15030 ⁴	15031 ⁴	15032 ⁴	15033 ⁴	15034 ⁴	15035 ⁴	15036 ⁴
		15028 ⁴	15029 ⁴	15030 ⁴	15031 ⁴	15142 ⁵	15143 ⁵	15144 ⁵	15145 ⁵	15146 ⁵
Torque Range	N-m	3 - 15	3 - 15	5 - 25	5 - 25	10 - 50	10 - 50	20 - 100	20 - 100	40 - 200
	lbf-in	27 - 132	27 - 132	44 - 220	44 - 220	90 - 445	90 - 445	200 - 900	200 - 900	400 - 1800
	lbf-ft	N/A	N/A	N/A	N/A	7.5 - 37.5	7.5 - 37.5	15 - 75	15 - 75	30 - 150
Square Drive		¾"	¾"	¾"	¾"	¾"	½"	¾"	½"	½"
Dimensions (mm)	A	221	221	221	221	327	327	367	367	465
	B	209	209	209	209	312	312	352	352	444
	C	140	140	140	140	226	226	266	266	358
	ØD	25	25	25	25	30	30	30	30	43
	E	25	25	25	25	33	38	33	38	46
	F	18	18	18	18	22	22	22	22	30
Weight (Kg)		0.26	0.26	0.26	0.26	0.69	0.69	0.76	0.76	1.04



Industrial Ratchets

Model		Pro 50 ¾"	Pro 100 ½"	Pro 200 ½"	Pro 300 ½"	Pro 340 ½"	Pro 400 ¾"
Part Number		15002 ¹	15003 ¹	15004 ¹	15005 ¹	15006 ¹	15007 ¹
		15042 ²	15043 ²	15044 ²	15045 ²	15046 ²	15047 ²
		15052 ³	15053 ³	15054 ³	15055 ³	15056 ³	15057 ³
		15172 ⁴	15173 ⁴	15174 ⁴	15175 ⁴	15176 ⁴	15177 ⁴
Torque Range	N-m	10 - 50	20 - 100	40 - 200	60 - 300	60 - 340	80 - 400
	lbf-in	90 - 445	200 - 900	400 - 1800	500 - 2500	500 - 3000	700 - 3500
	lbf-ft	7.5 - 37.5	15 - 75	30 - 150	44 - 222	44 - 250	60 - 300
Square Drive		¾"	½"	½"	½"	½"	¾"
Dimensions (mm)	A	335	387	470	593	685	686
	B	317	364	447	567	659	661
	C	231	278	361	480	572	574
	ØD	35	45	45	52	52	51
	E	37	48	48	48	48	47
	F	26	32	32	33	33	24
Weight (Kg)		0.7	0.94	1.07	1.42	1.48	1.93



THE NORBAR PROFESSIONAL TORQUE WRENCH
RE-ENGINEERED TO BE **EVEN MORE ACCURATE,**
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Since its original, award winning launch in 1984 and extensive face-lift in 2000, Norbar's Professional Torque Wrench range is one of the most popular wrench ranges available worldwide. In this re-engineered version, the core principles of accuracy, durability and comfort are carried over but every component part is new and improved.

FAST ADJUSTMENT
Reducing the effort required to adjust. If you adjust your wrench more regularly, you can do more work

MUSHROOM SQUARE DRIVE
'Industrial Ratchet' versions have a 'mushroom square drive' to allow more rapid bolt run-down

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The 200 N-m 'Automotive Ratchet' version is fitted with a new, high strength 48 tooth reversible ratchet

Automotive Ratchet

Industrial Ratchet

Spigot Torque Handle

Female Torque Handle

KEY FEATURES

COMPARED WITH OTHER TORQUE WRENCHES:
Norbar's 'harmonic drive' scale provides a long scale length for good resolution and accurate setting in both scale units. By contrast, micrometer type scales allow accurate setting in the primary scale unit but relatively poor accuracy of setting in the secondary units because of limited resolution. When this is coupled with Norbar's 60% increased scale size, the Professional wrench is amongst the easiest wrenches on the market to accurately set.

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¾" to ½" adaptor included with industrial ratchet 50 N-m wrench and ½" to ¾" adaptor included with industrial ratchet 100 N-m wrench



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Unique feature TimeStrip® provides visual indication of when the wrench needs re-calibration



ERGONOMIC HANDLE
The handle has a superior, ergonomic shape and has a higher proportion of soft-feel, high grip material. Making it comfortable to use

*TimeStrip® is a registered trademark of TimeStrip UK Ltd