

PROGEAR® SHORT COMBINATION WRENCH

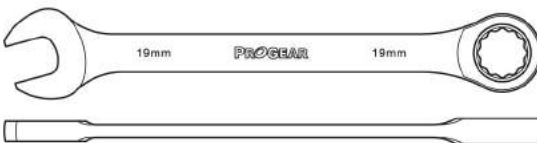
- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engine and confined space.
- Small head profile.
- Superior life-time test.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



PROGEAR® SHORT COMBINATION WRENCH

MEETS OR EXCEEDS
A.N.S.I.
STANDARDS



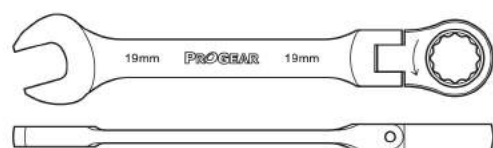
G70A/G70V

Material | Medium Carbon Steel / Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Flat Offset Ratchet Head
12 Point Ratchet Ring
Regular / Non-slip Open End
Short Length Panel

Size (inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
1/4	28	107	6	28	107
5/16	27	107	7	27	107
3/8	55	140	8	27	107
7/16	68	148	9	36	117
1/2	96	165	10	49	140
9/16	114	178	11	67	148
5/8	158	195	12	72	160
11/16	193	208	13	84	165
3/4	252	240	14	118	178
			15	139	195
			16	158	195
			17	180	208
			18	212	235
			19	229	240

FLEX HEAD PROGEAR® SHORT COMBINATION WRENCH

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- Specially designed for working on automotive engine and confined space.
- Superior life-time test.



FLEX HEAD PROGEAR® SHORT COMBINATION WRENCH



FXGT6A/FXGT6V

Material | Medium Carbon Steel / Chrome Vanadium Steel
 Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
 Feature | 180° Flexible Ratchet Head
 12 Point Ratchet Ring
 Regular / Non-slip Open End
 Short Length Panel

Size (inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
5/16	39	136	8	39	136
3/8	62	140	10	62	140
7/16	72	142	11	72	142
1/2	104	156	12	83	143
9/16	119	164	13	103	156
5/8	161	176	14	121	164
11/16	189	195	15	142	174
3/4	244	214	16	161	176
			17	182	195
			18	219	213
			19	247	214



Flexible head tilts 180° at any interval with continuous head tension.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.

LENGTH WISE | FLEX HEAD RATCHET COMBINATION WRENCH

- Choose appropriate length when using in different space.



FLEX HEAD GEARTECH® COMBINATION WRENCH (P.37)



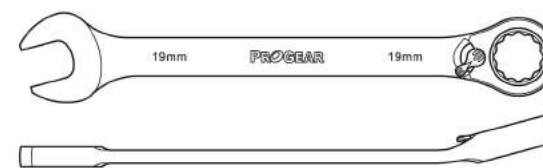
FLEX HEAD PROGEAR® SHORT COMBINATION WRENCH (P.64)



Size (mm)	Size (inch)	L (mm)	L (mm)	L (mm)
6	1/4	136		88 (-35.3%)
7		136		88 (-35.3%)
8	5/16	136	136 (0%)	88 (-35.3%)
9		143		96 (-32.9%)
10	3/8	160	140 (-12.5%)	96 (-40.0%)
11	7/16	168	142 (-15.5%)	100 (-40.5%)
12		174	143 (-17.8%)	104 (-40.2%)
13	1/2	180	156 (-13.3%)	108 (-40.0%)
14	9/16	193	164 (-15.0%)	114 (-40.9%)
15		200	174 (-13.0%)	118 (-41.0%)
16	5/8	216	176 (-18.5%)	122 (-43.5%)
17	11/16	233	195 (-16.3%)	128 (-44.1%)
18		239	213 (-10.9%)	132 (-44.8%)
19	3/4	250	214 (-14.4%)	138 (-44.8%)
20	13/16	285		
21	7/8	285		
22		285		
23		285		
24	15/16	325		
25	1"	325		
26		325		
27	1-1/16	359		
28		359		
30	1-1/8	425		
32	1-1/4	425		

REVERSIBLE PROGEAR® SHORT COMBINATION WRENCH

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move from either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engine and confined space.
- Superior life-time test.



REVERSIBLE PROGEAR® SHORT COMBINATION WRENCH



RGT6A/RGT6V

Material | Medium Carbon Steel / Chrome Vanadium Steel
 Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
 Feature | 15° Offset Ratchet Head
 12 Point Ratchet Ring
 Regular / Non-slip Open End
 Short Length Panel

Size (inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
5/16	31	120	8	31	120
3/8	51	142	10	50	142
7/16	73	150	11	-	150
1/2	92	167	12	-	162
9/16	115	180	13	92	167
5/8	146	200	14	117	180
11/16	172	210	15	148	196
3/4	228	240	16	146	200
			17	176	210
			18	206	237
			19	228	240



5° space requirement for each turn.



Reversible switch enables wrench to move from either direction.



15° offset ratchet head for knuckle clearance.

LENGTH WISE | FLEX HEAD RATCHET COMBINATION WRENCH

- Choose appropriate length when using in different space.



REVERSIBLE GEARTECH® COMBINATION WRENCH (P.49)

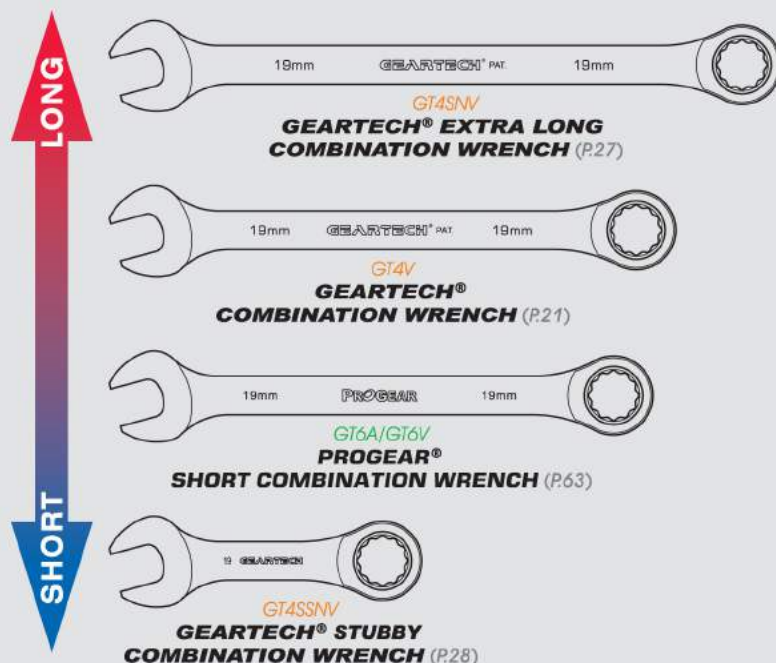


REVERSIBLE PROGEAR® SHORT COMBINATION WRENCH (P.65)



Size (mm)	Size (inch)	L (mm)	L (mm)	L (mm)
6	1/4	124		90 (-27.4%)
7	9/32	124		90 (-27.4%)
8	5/16	135	120 (-11.1%)	90 (-33.3%)
9	11/32	142		95 (-33.1%)
10	3/8	158	142 (-10.1%)	95 (-39.9%)
11	7/16	167	150 (-9.0%)	102 (-38.9%)
12		173	162 (-6.4%)	105 (-39.3%)
13	1/2	179	167 (-6.7%)	107 (-40.2%)
14	9/16	189	180 (-4.8%)	114 (-39.7%)
15		199	196 (-1.5%)	118 (-40.7%)
16	5/8	215	200 (-7.0%)	122 (-43.3%)
17	11/16	232	210 (-9.5%)	126 (-45.7%)
18		238	237 (-0.4%)	130 (-45.4%)
19	3/4	247	240 (-2.8%)	138 (-44.1%)
20	13/16	285		
21	7/8	285		
22		285		
23		285		
24	15/16	325		
25	1"	325		
26		325		
27	1-1/16	359		
28		359		
30	1-1/8	425		
32	1-1/4	425		

- Choose appropriate length when using in different space.

[illegible]

	GT4SNV	GT4V	GT6A(V)	GT4SSNV
 Size (mm)	L (mm)	L (mm)	L (mm)	L (mm)
6		136	107 (-21.3%)	
7		136	107 (-21.3%)	
8	150 (+10.3%)	136	107 (-21.3%)	88 (-35.3%)
9	165 (+15.4%)	143	117 (-21.3%)	96 (-32.9%)
10	180 (+12.5%)	160	140 (-12.5%)	96 (-40.0%)
11	195 (+16.1%)	168	148 (-11.9%)	100 (-40.5%)
12	207 (+19.0%)	174	160 (-6.0%)	104 (-40.2%)
13	220 (+22.2%)	180	165 (-8.3%)	108 (-40.0%)
14	235 (+21.6%)	193	178 (-7.6%)	114 (-40.9%)
15	250 (+25.0%)	200	195 (-2.5%)	118 (-41.0%)
16	260 (+20.4%)	216	195 (-9.7%)	122 (-43.5%)
17	275 (+16.0%)	233	208 (-10.7%)	128 (-44.1%)
18	290 (+21.3%)	239	235 (-1.7%)	132 (-44.8%)
19	305 (+22.0%)	250	240 (-4.0%)	138 (-44.8%)
20	330 (+15.8%)	285		
21	330 (+15.8%)	285		
22	330 (+15.8%)	285		
23	330 (+15.8%)	285		
24	355 (+9.2%)	325		
25	355 (+9.2%)	325		
26	355 (+9.2%)	325		
27		359		
28		359		
30		425		
32		425		
34		482		
36		482		
38		482		
41		550		
46		640		
50		640		