



# 0° Offset Ring Wrench Set

1F06MRN

Contents			
19B0	10 x 11, 12 x 14, 13 x 15, 16 x 18, 17 x 19, 22 x 24	1.81	1 / 8



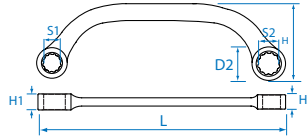
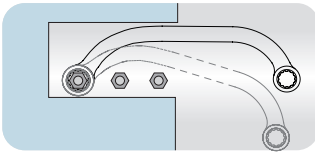
6 PC.



► Teton pouch bag

# Half Moon Ring Wrench & Set




1950

- Short pattern design enables greater access in confined spaces
- Chrome vanadium alloy steel
- Chrome plated
- DIN 3113



KT NO.	Size mm	D1 mm	D2 mm	L mm	H1 mm	H2 mm	H mm		
19500810	8 x 10	15.6	14.3	137	6.5	6.2	42	40	12 / 288
19501012	10 x 12	15.6	18.2	141	6.6	6.5	50	61	12 / 288
19501113	11 x 13	18.2	21.0	166	8.2	8.0	63	101	8 / 128
19501214	12 x 14	18.2	21.0	166	8.2	8.0	63	95	8 / 128
19501315	13 x 15	22.0	25.0	190	9.2	8.2	75	133	6 / 72
19501417	14 x 17	22.0	25.0	190	9.2	8.2	75	130	6 / 72
19501618	16 x 18	25.5	28.0	220	9.6	8.8	79	164	6 / 72
19501719	17 x 19	25.5	28.0	220	9.6	8.8	79	163	6 / 72
19501922	19 x 22	28.6	32.5	256	11.1	10.1	91	257	6 / 48



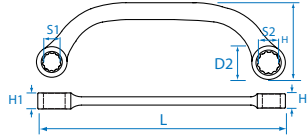
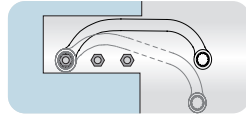
KT NO.	PC.	Contents		
9-1905MR	5	 1950 10 x 12, 11 x 13, 14 x 17, 16 x 18, 19 x 22	0.82	1 / 10

# Half Moon Ring Wrench

1951

**American type**

- Specially designed for starter bolts
- Used mainly in automotive applications for starter motors, inlet and exhaust manifolds
- Chrome vanadium alloy steel
- Chrome plated

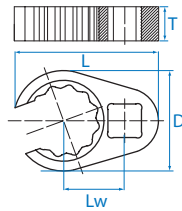


KT NO.	Size mm	D1 mm	D2 mm	L mm	H1 mm	H2 mm	H mm		
19510810	8 x 10	12.5	16.5	125	7.0	7.4	36	48.0	12 / 240
19511011	10 x 11	17.5	19	149	8.0	8.5	46	71.4	12 / 240
19511012	10 x 12	17.5	19.0	149	8.0	8.5	46	67.8	12 / 240
19511113	11 x 13	17.5	19.0	149	8.0	8.5	46	76.0	12 / 240
19511214	12 x 14	21.4	23.4	169	8.2	8.4	50	95.4	10 / 120
19511416	14 x 16	21.4	23.4	169	8.2	8.4	50	99.1	10 / 120
19511517	15 x 17	23.5	27.0	194	9.5	10.0	56	151.2	8 / 96
19511719	17 x 19	26.5	27.7	194	9.2	9.6	56	141.4	8 / 96
19511922	19 x 22	29.0	32.3	225	11.0	12.0	66	235.0	5 / 60

# Crowfoot Wrench & Set

1031

- 12 points
- Chrome vanadium alloy steel
- Chrome plated



KT NO.	Size mm	Drive square	D mm	T mm	L mm	Lw mm		
1031-10R	10	3/8"	27.0	9.2	36.5	17.1	40	12 / 192
1031-11R	11	3/8"	27.0	9.2	36.5	17.0	40	12 / 192
1031-12R	12	3/8"	27.5	9.2	36.5	16.8	40	12 / 192
1031-13R	13	3/8"	27.2	9.3	36.5	16.7	40	12 / 192
1031-14R	14	3/8"	29.8	9.6	42.0	20.0	42	12 / 192
1031-15R	15	3/8"	31.4	9.2	42.0	19.2	44	12 / 192
1031-16R	16	3/8"	30.2	10.1	42.0	19.5	48	12 / 192
1031-17R	17	3/8"	34.0	11.4	45.6	23.5	68	12 / 192
1031-18R	18	3/8"	33.6	10.0	45.6	22.5	63	12 / 192
1031-19R	19	3/8"	33.7	10.8	45.8	23.0	63	12 / 192
1031-22R	22	1/2"	38.5	13.0	55.0	23.0	82	15 / 180
1031-24R	24	1/2"	38.5	12.5	55.0	24.5	74	15 / 180
1031-26R	26	1/2"	42.5	13.5	60.0	24.0	105	15 / 180
1031-27R	27	1/2"	42.5	13.5	61.0	25.0	98	15 / 180
1031-30R	30	1/2"	49.0	14.0	68.5	30.0	136	12 / 144
1031-32R	32	1/2"	50.0	14.0	70.0	30.0	136	12 / 144

- Use to reach limit place with extension bar
- Use with torque wrench and 90° extension bar, will not effectively change the torque value

KT NO.	Size mm	Drive square	D mm	T mm	L mm	Lw mm		
<b>new</b> 1031-33R	33	3/4"	55.6	22.5	84.5	38.0	355	12 / 60
<b>new</b> 1031-34R	34	3/4"	55.6	22.5	84.5	38.0	345	12 / 60
<b>new</b> 1031-35R	35	3/4"	55.6	22.5	84.5	39.0	334	12 / 60
<b>new</b> 1031-36R	36	3/4"	55.6	22.5	84.5	39.0	315	12 / 60
<b>new</b> 1031-38R	38	3/4"	61.7	23.0	90.5	43.0	346	12 / 60
<b>new</b> 1031-41R	41	3/4"	61.7	23.0	90.5	43.0	357	12 / 60
<b>new</b> 1031-46R	46	3/4"	70.0	25.0	101	47.0	517	12 / 24
<b>new</b> 1031-48R	48	3/4"	75.5	28.5	104	47.0	482	12 / 24
<b>new</b> 1031-50R	50	3/4"	75.5	28.5	104	48.0	587	12 / 24



KT NO.	PC.	Contents		
1E10MR	10	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	0.59	1 / 30
1E11MR	11	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22	0.68	1 / 30



WRENCHES