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<b>DESCRIPTION: WORKSHOP TOOLS AND EQUIPMENT</b>		

## **AUTOMOTIVE MECHANICS' STANDARD TOOL BOX**

### **CONTENT IN MILLIMETERS UNLESS SPECIFIED OTHERWISE**

- 1. One set of Double Ended Ring Spanners, deep offset, DIN838, ISO10104:**  
*-Chrome plated, Chrome Vanadium Steel, heat treated and hardened. Fully Polished & satin finish rings, both sides stamped with sizes.*

(i) 6 x 7	(vi) 16x17	(xi) 30x32
(ii) 8 x 9	(vii) 18x19	(xii) 41x36
(iii) 10x11	(viii) 20x22	(xiii) 46x50
(iv) 12x13	(ix) 24x26	
(v) 14x 15	(x ) 27x29	

- 2. One set of Socket Spanners: -Chrome plated, Chrome Vanadium Steel, heat treated and hardened. Fully Polished & satin finish, stamped with sizes. Thin wall 12- point sockets, ½" drive. DIN 3124 ISO 2725/3315**

(i) 6	(vi) 13	(xi) 24	(xvi) 41
(ii) 7	(vii) 14	(xii) 27	
(iii) 8	(viii) 17	(xiii) 30	
(iv) 10	(ix) 19	(xiv) 32	
(v) 12	(x) 22	(xv) 36	

- 3. One set of Double Open Ended Spanners, DIN3110: -Chrome plated, Chrome Vanadium Steel, heat treated and hardened. Fully Polished & satin finish, both sides stamped with sizes.**

(i) 6x7	(vi) 16x17	(xiii) 30x32
(ii) 8x9	(vii) 18x19	(xiv) 36x41
(iii) 10x11	(viii) 20x22	(x) 46x50
(iv) 12x13	(xiv) 24x26	
(v) 14x15	(xii) 27x29	

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4. **One Set Crescent Wrench (Curved Ring Spanners):** *Chrome plated, Chrome Vanadium Steel, heat treated and hardened. Fully Polished & satin finish rings, both sides stamped with sizes.*

- |                |                |
|----------------|----------------|
| 1. 10mm x 12mm | 5. 14mm x 17mm |
| 2. 11mm x 13mm | 6. 15mm x 17mm |
| 3. 13mm x 15mm | 7. 19mm x 22mm |
| 4. 14mm x 16mm |                |

5. **One set Combination Spanners, DIN3113, ISO 3318/7738:** *-Chrome plated, Chrome Vanadium Steel, heat treated and hardened. Fully Polished & satin finish, both sides stamped with sizes.*

- |         |          |          |
|---------|----------|----------|
| 1. 10mm | 6. 19mm  | 11. 27mm |
| 2. 12mm | 7. 20mm  |          |
| 3. 13mm | 8. 17mm  |          |
| 4. 14mm | 9. 22mm  |          |
| 5. 17mm | 10. 24mm |          |

6. **One set of Hexagonal Socket Spanners:** *-Chrome plated, Chrome Vanadium Steel, heat treated and hardened. Fully Polished & satin finish, stamped with sizes. Thin wall 12- point sockets, ½" drive. DIN 3124 ISO 2725/3315*

- |         |           |           |          |
|---------|-----------|-----------|----------|
| (i) 6   | (vi) 13   | (xi) 24   | (xvi) 41 |
| (ii) 7  | (vii) 14  | (xii) 27  |          |
| (iii) 8 | (viii) 17 | (xiii) 30 |          |
| (iv) 10 | (ix) 19   | (xiv) 32  |          |
| (v) 12  | (x) 22    | (xv) 36   |          |

7. **Spline socket Bit Set -10pc ½" drive** – *Forged Chrome Vanadium steel with S2 spline bits. Knurled ring to assist gripping of sockets with oily fingers. Supplied with socket rails.*
8. **End cutter** – *165mm. Drop forged Chrome Vanadium steel end cutters with Ti-Chrome finish for improved durability. Hardened cutting jaws. Dual material handled with anti-slip guard for comfort and control.*
9. **One set Flat Screw Drivers (4", 6", 8")** – *Non slip grip handle, blade through handle, chrome vanadium DIN 5265*
10. **One set Star Screw Drivers (4", 6", 8")** – *Non slip grip handle, blade through handle, chrome vanadium DIN 5265*
11. **One pair of combination (Standard) pliers Approx 200mm** – *chrome vanadium, Non-slip grip handle DIN ISO 5746/44, UNI 9894*

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12. One Pair Pliers, Long Flat Nose *Approx 160mm* - *chrome vanadium, Non-slip grip handle, DIN ISO 5745/44.*
13. Water Pump Pliers (One Pair), 5Jaw Positions, *Approx length = 300mm, - chrome plated, Non slip grip handle DIN ISO 8976*
14. One Pair Circlip Pliers, Inner Straight - *chrome vanadium, non-slip grip handle, approx 180mm long, 1.8 mm tip. DIN 5256*
15. One Pair Circlip Pliers, Inner Curved - *chrome vanadium, non-slip grip handle, approx 180mm long, 1.8 mm tip. DIN 5254*
16. One Pair Circlip Pliers, Outer Straight- *chrome vanadium, spring loaded non slip grip handle, approx 180mm long, 1.8 mm tip. DIN 5254*
17. One Pair Circlip Pliers, Outer Curved - *chrome vanadium, spring loaded non-slip grip handle, approx 180mm long, 1.8 mm tip. DIN 5254*
18. One Ratchet ½” Drive (Reversible with safety lock) *Approx 250mm - chrome vanadium DIN 3122 ISO 3315*
19. One Ratchet 1” Drive (Reversible with safety lock) *Approx. 250mm - chrome vanadium DIN 3122 ISO 3315*
20. One Short Extension ½” Drive *chrome plated, chrome vanadium, 125mm Approx length, DIN 3122, ISO 3315*
21. One Long Extension ½” Drive *chrome plated, chrome vanadium, 250mm Approx length, DIN 3123, ISO 3315*
22. T – Handle (sliding) ½” Drive *chrome plated, chrome vanadium, 400mm Approx length, DIN 3123, ISO 3315*
23. Universal Joint ½” Drive *chrome plated, chrome vanadium DIN 3123, ISO 3315*
24. Adjustable Spanner 12” (Standard) - *Polished head, chrome plated, chrome vanadium DIN 3117 B, ISO 6787*
25. Set (30pc) Hexagonal Allen Keys DIN 911, ISO 2936– *Chrome vanadium steel, 15 long-arm Imperial sizes (0.028” – 3/8”) & 15 short-arm metric sizes (0.7-10mm), supplied in a pouch or folding carry case.*
26. One Set Hole Punch (6 pieces) - 3,4,5,6,8,10mm (approx 120-150mmm long) *Octagonal shape DIN 6458*
27. One 2 Pound Ball Pein Hammer - *Chrome vanadium steel.*
28. One 12” blade Hack Saw Frame – *Chrome plated steel, light alloy handle and HSS Blade*
29. One Set Engineer’s File Set (5pc) (*2<sup>nd</sup> cut Flat/hand, half-round, Round, 3-squire/triangular, Square Files*) *Approx 200mm long – Supplied in a pouch.*
30. Copper Hammer (Two Pound), 35mm Diameter – *Malleable iron head, extra heavy construction fitted with electrolytic replaceable copper faces.*

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31. One Pair Universal Grip Pliers – *Drop forged chrome vanadium steel jaws. Approx 200mm*
32. Spark Plug Spanner (long reach) c/w swivel headed tommy bar 300mm long – *chrome plated (10mm = 16mm euro)*
33. Spark Plug Spanner (long reach) c/w swivel headed tommy bar 300mm long – *chrome plated (14mm = 21mm euro)*
34. Wire Brush – *wooden stocked brush with steel fill. Approx 130(fill length)/260mm (overall length)*
35. Set Feeler Gauge (Metric) 20 Blades – *75\*13mm blades dual marked in metric and imperial*
36. Flat Cold Chisel – *standard 12\*200mm BS3066/DIN6453*
37. One Centre Punch – *120 \* 4 mm DIN 7250 lacquered, octagonal shape*
38. One Set Fillet Files – *10pc set approx 140mm length (flat parallel, flat taper, half round, three square, square, round, knife, crossing) DIN7283/ISO R234*
39. One Pipe Wrench (18”) – *Cast steel handle, one piece head design DIN 5234*
40. Side Cutter 180mm for Medium Hard Wire – *DIN/ISO 5744/49*
41. Thread File (In Millimeters) – *220mm Double ended c/w reversible vinyl grip. 3pc set (0.75, 1.0, 1.25, 1.5, 1.75, 2.0, 3.0 mm pitch)*
42. Insulated (Vinyl grips) 5-in-1 Wire strippers automatic – *Suitable for wires from 0.13-6.0mm<sup>2</sup>(26-10AWG) c/w crimping attachment suitable for non-insulated terminals (1.5, 2.4, 4, 6mm<sup>2</sup>), insulated auto-ignition terminals (7&8mm<sup>2</sup>) insulated terminals (1.5, 2.5 & 6mm<sup>2</sup>). Should include wire cutters.*
43. Tape Measure 3M (Self retracting metal case) – *Strong tape blades with clearly marked metric and imperial graduations. Chrome finished composite case with belt clip.*
44. Socket sets 45pc 3/8” drive - *Chrome Vanadium Steel, heat treated and hardened. Fully Polished & micro Security satin finish. Supplied with metal carry case.*
45. Key 9pc long fully polished – *Heat treated and hardened Chrome Vanadium steel with polished mirror finish. Keys to range in length from 70mm to 180mm and in size from T10H to T50H. Supplied in easy-access case with hanging tag for safe storage and quick selection.*
46. Lock ring pliers – *Compatible with a variety of different lock rings found on many automotive applications such as brakes, transmission and CV Joints. Features soft grip handle for added comfort. Straight and angled – external and length 200mm.*
47. Top chest 5 drawer with ball bearing chests toolbox with painted metal finish to fit all above tools and with wheels. 5 tool trays & central tool storage area. Top flaps to accept padlock.

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