



CHEMICAL INDUSTRIES EDUCATION & TRAINING AUTHORITY
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SD - 003: FITTER EQUIPMENT AND TOOL LIST

SECTION A: TOOL LIST

To be completed by applicant during self evaluation

No	TOOLS	RATIO TO APPIE/LEARN	YES	NO
1.	KEY – ALLEN ARNDT 911 ETZ 162 1/16 – 0.05	1 : 1		
2.	KEY – ALLEN ARNDT 911 ETM 1.5 – 12MM	1 : 1		
3.	PLIER – LONGNOSE WILL 35/BS 200	1 : 1		
4.	PLIER – COMBINATION WILL 62/A3 200	1 : 1		
5.	PLIER – SIDECUT HD SKILLCRAFT M200	1 : 1		
6.	PLIER – WATERPUMP GEDORE 141 250 MM	1 : 1		
7.	PLIER – CIRCLIP O/S STR WILL 141 160	1 : 1		
8.	PLIER – CIRCLIP INS STR WILL 143 180	1 : 1		
9.	VICE GRIP – GEDORE 137 250MM	1 : 1		
10.	SCREWDRIVER – WERALIT 10001 BLK PT	1 : 1		
11.	FRAME HACKSAW – MITCO PROFESSIONAL	1 : 1		
12.	FRAME HACKSAW – ECLIPSE JUNIOR 14J	1 : 1		
13.	KNIFE TRIMM – STANLEY 2-10-099 RET	1 : 1		
14.	HAMMER – BALLPEIN AMBIKA 500G	1 : 1		
15.	HAMMER – BALLPEIN GEDORE 300G	1 : 1		
16.	HAMMER – CLUB DIAMOND 1.8KG	1 : 1		
17.	NYLON MALLET - THORN	1 : 1		
18.	WRENCH ADJUSTABLE – GEDORE 62 300MM	1 : 1		
19.	WRENCH ADJUSTABLE – IREGA 99 150MM	1 : 1		
20.	SPANNER – GEDORE 1B/18M 6 – 30MM	1 : 1		
21.	SPANNER – GEDORE 1B COMB. 23MM	1 : 1		
22.	SOCKET SET – GEDORE C19 TM97U-10T	1 : 1		
23.	DIVIDER SPRING – GROZ DD/6150MM	1 : 1		
24.	TINSNIP – GEDORE 8531 300MM	1 : 1		
25.	CHISEL & PUNCH SET – MITCO 2 6 PCE	1 : 1		
26.	SIDE CUTTERS – CRESCENT 180MM	1 : 1		
27.	TOOLBOX SET – GEDORE # 1262 46 X 26 X 21 M	1 : 1		
28.	BRASS LOCK – VIRO 302 40MM	1 : 1		
MEASURING EQUIPMENT				
29.	CALIPER VERNIER – MIT 530101 150 1/20	1 : 1		
30.	CALIPER VERNIER 0 - 150	1 : 1		
31.	GAUGE – FEELER VOGEL GV16C M100	1 : 1		
32.	TAPE MEASURE – STANLEY 33 – 194 5M	1 : 1		
33.	STEEL RULE – GROZ 150MM	1 : 1		
34.	STEEL RULE – GROZ 300MM	1 : 1		
WORKSHOP EQUIPMENT				
35.	PORTABLE DRILLING MACHINE	One per w.shop		
36.	PORTABLE GRINDING MACHINE	One per w.shop		
37.	PORTABLE JIG-SAW	One per w.shop		

No	TOOLS	RATIO To APPIE/LEARN	YES	NO
ARC WELDING				
38.	AC/DC WELDING MACHINES	5:1		
39.	WELDING SCREENS	5:1		
40.	ELECTRODE HOLDER	5:1		
41.	EARTH CLAMPS	5:1		
42.	CABLES	5:1		
43.	WIRE BRUSH	5:1		
44.	CHIPPING HAMMER	5:1		
45.	ARC WELDING HELMET	5:1		
46.	CONSUMABLE MATERIALS	5:1		
GAS WELDING/BRAZING				
47.	OXYGEN CYLINDER	5:1		
48.	ACETYLENE CYLINDER	5:1		
49.	CYLINDER TROLLEY	5:1		
50.	PRESSURE REGULATORS	5:1		
51.	HOSES AND COUPLINGS	5:1		
52.	FLASHBACK ARRESTERS	5:1		
53.	TORCHES	5:1		
54.	NOZZLES (ASSORTMENT OF SIZES)	5:1		
55.	TIP CLEANERS	5:1		
56.	SPARK LIGHTER	5:1		
57.	CONSUMABLE MATERIAL (APPLICABLE)	5:1		
58.	GOGGLES (WELDING)	5:1		
INTERMEDIATE FITTING SKILLS EQUIPMENT				
59.	BEARINGS – TRAINING EQUIPMENT AND PARTS			
60.	LUBRICATION – VARIOUS LUBRICANTS & RELATED EQUIPMENT			
61.	RECIPROCATING PUMP/S			
62.	ROTARY PUMP/S			
63.	CENTRIFUGAL PUMP/S			
64.	BELT DRIVE TRAINING & RELATED EQUIPMENT			
65.	CHAIN DRIVE TRAINING & RELATED EQUIPMENT			
66.	GEAR DRIVE TRAINING & RELATED EQUIPMENT			

No	TOOLS	RATIO To APPIE/LEARN	YES	NO
67.	GASKETS AND SEALS			
68.	ASSEMBLIES – GEARBOXES / REDUCTION UNITS / OTHER			
BASIC LIFTING EQUIPMENT				
69.	CHAIN BLOCK: 2 TON MAX	One per w.shop		
70.	COFFING BLOCK: 2 TON MAX	One per w.shop		
71.	SHACKLES: 2 TON MAX	One per w.shop		
72.	CHAIN CLINGS: 2.5 TON MAX	One per w.shop		
73.	WIRE ROPE SLINGS: 20MM DIAMETER	One per w.shop		
COUPLINGS				
74.	FLEXIBLE TYRE COUPLINGS			
75.	RIGID FLANGE COUPLINGS			
76.	BIBBY TYRE COUPLING			
77.	INTERNAL GEAR COUPLING			
*HYDRAULICS				
78.	ELEMENTARY HYDRAULIC CIRCUIT DIAGRAMS			
79.	HYDRAULIC FLUIDS (PETROLEUM AND EMULSION BASED)			
80.	TUBING AND FITTINGS			
81.	PUMPS: VANE, GEAR, PISTON			
82.	FLOW CONTROL VALVES			
83.	CYLINDERS			
84.	ACCUMULATORS			
*PNEUMATICS				
85.	PNEUMATIC CIRCUIT DIAGRAMS			
86.	COMPRESSED AIR PIPELINES			
87.	AIR SERVICE UNITS			
88.	CYLINDERS			
89.	PRESSURE VALVES			
SAFETY				
90.	OVERALL	1 : 1		
91.	SAFETY BOOTS	1 : 1		
92.	EAR PLUGS	1 : 1		
93.	SAFETY GOGGLES	1 : 1		
94.	HARD HAT	1 : 1		

No	TOOLS	RATIO TO APPIE/LEARN	YES	NO
COMMENTS				
APPLICANT		DATE		

*Apprentice must have exposure on these areas

SECTION B: SITE VISIT INSPECTION

To be completed by CHIETA Representative during sit visit

COMMENTS			
CHIETA REPRESENTATIVE		DATE	