



merSETA

MANUFACTURING, ENGINEERING
AND RELATED SERVICES SETA

TOOL, JIG and DIE MAKER, FITTER and TURNER, TURNER, FITTER and PLASTIC MOULD MAKER

SECTION (A) RELEVANT FOR ALL TRADES LISTED ABOVE

SECTION A			
NO.	TOOLS	YES	NO
11	ALLEN KEY SET - IMPERIAL		
2	ALLEN KEY SET - METRIC		
3	LONGNOSE PLIERS		
4	COMBINATION PLIERS		
5	SIDE CUTTER PLIERS		
6	WATERPUMP PLIERS		
7	EXTERNAL CIRCLIP PLIERS		
8	INTERNAL CIRCLIP PLIERS		
9	VICE GRIP		
10	SCREWDRIVER SET		
11	HACKSAW		
12	TRIM KNIFE		
13	BALLPEIN HAMMER 300G		
14	NYLON Mallet		
15	WRENCH ADJUSTABLE 300MM		
16	WRENCH ADJUSTABLE 150MM		
17	SPANNER SET 6 – 30MM		
18	SOCKET SET		
19	FEELER GAUGE		
20	SPRING DIVIDER		
21	INSIDE CALIPER		
22	OUTSIDE CALIPER		
23	DRILL SET 1-13		
24	SCRIBER		
25	CENTRE PUNCH		
26	DOWEL PUNCH SET		
27	TINSNIPS 300MM		
28	CHISEL & PUNCH SET		
29	TOOLBOX SET		
30	PADLOCK AND KEY		
MEASURING EQUIPMENT		YES	NO
1	TAPE MEASURE 3M		
2	DIAL TEST INDICATOR		
3	PLUNGER CLOCK		
4	THREAD PARALLELS		
5	SCREW RING GAUGES (METRIC & IMPERIAL)		
6	SREW PLUG GAUGES (METRIC & IMPERIAL)		

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7	RADIUS GAUGE		
8	SINE BAR		
9	HEIGHT GAUGE		
10	V- BLOCK		
11	FEELER GAUGE		
12	TELESCOPING GAUGE SET 12 – 54		
13	STEEL RULE 0 – 150MM		
14	STEEL RULE 0 – 300MM		
15	THREAD PITCH GAUGE		
16	THREAD TOOL GAUGE		
17	VERNIER CALLIPER 0 – 150MM		
18	MICROMETER 0 – 25MM		
19	MICROMETER 25 – 50MM		
20	OUTSIDE MICROMETER SET 0 – 300MM		
21	INSIDE MICROMETER SET 0 – 300MM		
22	MARKING OFF TABLE		
23	SLIP GAUGE SET		
24	MACHINE LEVEL		
WORKSHOP EQUIPMENT		YES	NO
1	PORTABLE DRILLING MACHINE		
2	BENCH GRINDING MACHINE		
3	ANGLE GRINDER		
4	DRILL PRESS		
5	DRILL AND TAP CHART		
6	SPEEDS AND FEEDS CHART		
7	GRINDING WHEEL BALANCING		
KEYS AND LOCKING DEVICES		YES	NO
1	GIB HEAD, PARALLEL, TAPER, FEATHER, WOODRUFF KEYS		
2	BENCH VICE		
3	DOWEL PINS (VARIOUS SIZES)		
4	LOCK PLATES		
5	SPLIT PINS		
6	TAPER PINS		
7	NUTS & BOLTS		
BASIC LIFTING EQUIPMENT		YES	NO
1	CHAIN BLOCK: 2 TON MAX		
2	COFFING BLOCK: 2 TON MAX		
3	SHACKLES: 2 TON MAX		
4	CHAIN CLINGS: 2.5 TON MAX		
5	WIRE ROPE SLINGS: 20MM DIAMETER		
ARC WELDING		YES	NO
1	AC/DC WELDING MACHINES		
2	WELDING SCREENS		
3	ELECTRODE HOLDER		
5	EARTH CLAMPS		
5	CABLES		
6	WIRE BRUSH		
7	CHIPPING HAMMER		
8	ARC WELDING HELMET		

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9	CONSUMABLE MATERIALS		
10	LEATHER APRON		
11	GLOVES		
12	SPATS		
GAS WELDING/BRAZING		YES	NO
1	OXYGEN CYLINDER		
2	ACETYLENE CYLINDER		
3	CYLINDER TROLLEY		
4	PRESSURE REGULATORS		
5	HOSES AND COUPLINGS		
6	FLASHBACK ARRESTERS		
7	TORCHES		
8	NOZZLES (VARIOUS OF SIZES)		
9	NOZZLE CLEANERS		
10	SPARK LIGHTER		
11	CONSUMABLE MATERIAL		
12	GOGGLES		
CENTRE LATHE		YES	NO
1	FACE PLATE		
2	FOUR JAW CHUCK		
3	THREE JAW CHUCK		
4	HIGH SPEED TOOL BITS		
5	TURNING/FACING TOOL		
6	PARTING HOLDER WITH BLADE		
7	THREADCUTTING TOOL		
8	TAPPING ATTACHMENT		
9	BORING BARS 8MM, 10MM, 16MM, 25MM		
10	EXTERNAL AND INTERNAL GROOVING TOOLS		
11	BRAZED ON TOOLS		
12	PAINT BRUSH		
13	TAPER SLEEVE MT1		
14	TAPER SLEEVE MT2		
15	TAPER SLEEVES MT3		
16	TRAVELLING STEADY		
17	FIXED STEADY		
18	REVOLVING CENTRE		
19	DEAD CENTRE		
20	LATHE CARRIERS SET		
21	BENCH VICE		
22	DRILL CHUCK		
23	UNIVERSAL MAGNETIC BASE		
24	CARBIDE INSERTS FOR TURNING AND BORING HOLDERS		
MILLING MACHINE		YES	NO
1	MACHINE VICE		
2	PARALLEL SET		
3	THREE JAW CHUCK		
4	ROTARY TABLE		
5	DIVIDING HEAD		
6	DIVIDING PLATE SET		

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7	GEARS FOR HELICAL MILLING		
8	ANGLE PLATE		
9	CLAMP SET		
10	FACEMILL		
11	SHOULDER MILL		
12	FLYCUTTER		
13	HSS BITS		
14	ENDMILLS		
15	SLOT-DRILLS		
16	WOODRUFF CUTTER		
17	SIDE & FACE CUTTER		
18	SLITTING SAWS		
19	SINE TABLE		
20	RIPPERS		
21	DEADBLOW MALLET		
22	SCREW JACKS SET		
23	COMBINATION SET		
24	BORING HEAD		
25	VICE /TABLE STOPPERS		
26	SPEED AND FEED CHARTS		
27	MATERIAL CHARTS		
SURFACE GRINDER		YES	NO
11	DEPTH MIC		
2	RUBBER MAT		
3	PRECISION VICE		
4	SURFACE TABLE		
5	GRINDING WHEEL CHARTS		
6	WHEEL BALANCING APPARATUS		
7	DIAMOND DRESSER		
SAFETY		YES	NO
1	OVERALL		
2	SAFETY BOOTS		
3	EAR PLUGS		
4	SAFETY GOGGLES		
5	HARD HAT		
6	FIRE EXTINGUISHERS		
7	FIRST AID KIT		
8	COLOUR CODING AND SYMBOLIC SAFETY SIGNS		
9	OHS ACT		

(B) TOOL ,JIG AND DIE MAKER; PLASTIC MOULD MAKER ONLY

SECTION B			
SPARK ERODER		YES	NO
1	ELECTRODES (COPPER/GRAPHITE)		
2	SAFETY CHART		
ASSEMBLIES		YES	NO
1	WORM-WHEEL TYPE REDUCTION GEARBOX		
2	ALLOWANCES,TOLERANCES FOR FITS CHART		
3	JIGS AND FIXTURES		

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4	DIE SETS		
HEAT TREATMENT		YES	NO
1	HARDENING/TEMPERING OVEN		
2	HARDNESS TESTER		
3	QUENCHING BATH		
4	TONGS		
5	OVEN GLOVES		
6	LEATHER APRON		
7	FACE SHIELD		
8	FIRST AID EQUIPMENT		
10	HARDNESS TESTER		
11	FIRE-PROOF BRICKS FOR AIR COOLING		
12	CARBON GRANULES		
13	OVEN-PROOF BAKING DISHES		

(C) FITTER; FITTER AND TURNER ONLY

SECTION C			
BEARINGS		YES	NO
1	BRONZE, WHITE METAL, SYNTHETIC AND SPLIT BEARINGS		
2	DEEP GROOVE, ANGULAR CONTACT, SELF ALIGNMENT AND THRUST BALL BEARINGS		
3	SPERICAL, THRUST, TAPER AND CYLINDRICAL ROLLER BEARINGS		
4	BEARING PULLER		
5	BEARING GREASE TYPES		
DRIVES		YES	NO
1	BELT DRIVE		
2	GEAR DRIVE		
3	CHAIN DRIVE		
4	FLUID DRIVE		
PUMPS		YES	NO
1	CENTRFUGAL PUMP		
2	GEAR PUMP		
3	RECIPROCATING PUMP		
4	GLAND BUSHES		
5	MECHANICAL SEALS		
6	FLOW SYSTEM CHART		
ASSEMBLIES		YES	NO
1	WORM WHEEL TYPE REDUCTION GEARBOX		
2	FITS AND TOLERANCES CHART		
CLUTCHES AND BRAKES		YES	NO
1	DISC BRAKE SYSTEM		
2	THRUST BRAKE SYSTEM		
3	ELECTRO MAGNETIC BRAKE SYSTEM		
4	MULTI DISC CLUTCH SYSTEM		
COUPLINGS		YES	NO
1	FLEXIBLE TYRE COUPLINGS		
2	RIGID FLANGE COUPLINGS		
3	BIBBY TYRE COUPLING		
4	INTERNAL GEAR COUPLING		

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