

Reactec



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HAVi



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ToolMinder



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Using this information

Hand Arm Vibration Symbols

- GREEN - Low Risk
- AMBER - Medium Risk
- RED - High Risk

Noise Value Symbols

- ▲ GREEN - PPE Advised
- ▲ AMBER - PPE Mandatory
- ▲ RED - CAUTION High Quality PPE Vital

Landscape, Gardening & Site Preparation

CODE	EQUIPMENT	MANUFACTURERS DATA	HSE POINTS PER HOUR	TIME TO REACH EAV HOURS	TIME TO REACH EAV MINS	TIME TO REACH ELV HOURS	TIME TO REACH ELV MINS	SOUND PRESSURE
BRUSH CUTTERS								
2115	Stihl Brushcutter FS130	4.5ms2 ■	41	2	28	9	53	96 (dBA) ▲
2161	Stihl Brushcutter FS450	2.2ms2 ■	10	10	10	>24		99 (dBA) ▲
TILLERS AND ROTAVATORS								
2113	Rotavator Tiller Camon 2000	6.9ms2 ■	95	1	3	4	12	85 (dBA) ▲
2114	Cultivator Camon C8	4.9ms2 ■						88 (dBA) ▲
LAWN & TURF CARE								
2154	Turf Cutter-Birchwood GMCT2	4.8ms2 ■	46	2	10	8	41	87 (dBA) ▲
2106	Lawn Scarifier Camon LS17	6.2ms2 ■	77	1	18	5	12	86 (dBA) ▲
	Lawn Scarifier -Wolfe UV35B	6.0ms2 ■	72	1	23	5	33	84 (dBA) ▲
2105	Rotary Mower Honda IZY415	5.2ms2 ■	54	1	51	7	24	94 (dBA) ▲
2149	Rotary Mower Honda HRG465SDE	3.0ms2 ■	18	5	33	22	13	94 (dBA) ▲
2136	Motorised Scythe-Tracmaster BCS 615	8.6ms2 ■	148	0	41	2	42	91 (dBA) ▲
2107	Billy Goat Vacuum KD512	6.9ms2 ■	95	1	3	4	12	109 (dBA) ▲
2170	Powered Sweeper Stihl KW85R	7.6ms2 ■	116	0	52	3	28	94 (dBA) ▲
2134	Leaf Blower Stihl SH85 2-stroke	4.6ms2 ■	42	2	22	9	27	94 (dBA) ▲
TRIMMERS								
2195	Cordless Hedgetrimmer-Stihl HAS 85	2.2ms2 ■	10	10	20	>24	-	83 (dBA) ▲
2117	Hedge trimmer-Stihl HS80	5.8ms2 ■	67	1	29	5	57	94 (dBA) ▲
CHAIN SAWS & TIMBER TOOLS								
2112	Chainsaw-Stihl 2 stroke MS361	3.6ms2 ■	26	3	51	15	26	101 (dBA) ▲
0268	Tyranosaw Bosch GFZ14-35A	4.0ms2 ■	32	3	8	12	30	91 (dBA) ▲
2181	Stump Grinder Tracmaster C500	3.9ms2 ■	30	3	17	13	9	97 (dBA) ▲
POST HOLE/EARTH AUGERS								
2155	One-man Auger Stihl BT121 2-stroke	2.5ms2 ■	13	8	0	>24	-	103 (dBA) ▲
2119	Two-man Auger Stihl BT360 2-stroke	10.0ms2 ■	200	0	30	2	00	99 (dBA) ▲
2137	Hydraulic Earth Auger Compact PHD	7.2ms2 ■	104	0	58	3	51	90 (dBA) ▲
POWER BARROWS								
2228	Belle BMD300	6.37ms2 ■	81	1	14	4	56	97 (dBA) ▲
	Deesign Muck Truck	5.86ms2 ■	69	1	27	5	49	94 (dBA) ▲
COMPACTOR PLATES								
1085	Wacker VP1135A	4.5ms2 ■	41	2	28	9	53	88 (dBA) ▲
	Belle PCLX320	3.25ms2 ■	21	4	44	18	56	101 (dBA) ▲
1015	Wacker WP1540A	6.3ms2 ■	79	1	16	5	2	96 (dBA) ▲
	Belle PCX13/40	2.80ms2 ■	16	6	23	>24	-	103 (dBA) ▲
PETROL CUT-OFF SAWS								
0227	Stihl TS410	3.9ms2 ■	30	3	17	13	9	98 (dBA) ▲
	Stihl TS400	6.8ms2 ■	92	1	5	4	20	114 (dBA) ▲
	Husqvarna K750	4.6ms2 ■	42	2	22	9	27	97 (dBA) ▲
	Makita DPC 6400	8.0ms2 ■	128	0	47	3	8	102 (dBA) ▲
ELECTRIC BREAKERS								
0532	Bosch GSH 16-28 Vib Reduced Breaker	10.00ms2 ■	200	0	30	2	00	92 (dBA) ▲
0509	Makita HM1810TR H/Duty AVT Breaker	9.0ms2 ■	162	0	37	2	28	84 (dBA) ▲
	Bosch GSH27 Breaker	13.0ms2 ■	338	0	18	1	11	91 (dBA) ▲
0526	Makita HM1214C AVT Breaker	8.0ms2 ■	128	0	47	3	8	78 (dBA) ▲
	Hilti TE1000 AVR Breaker	6.5ms2 ■	85	1	11	4	44	87 (dBA) ▲
	Hilti TE905 Breaker	8.5ms2 ■	145	0	42	2	46	92 (dBA) ▲
	Hilti 905AVR Breaker	8.5ms2 ■	145	0	42	2	46	92 (dBA) ▲
	Milwaukee Kango 900	11.0ms2 ■	242	0	25	1	39	105 (dBA) ▲
0501	Makita HM0871C AVT Demo Hammer	8.0ms2 ■	128	0	47	3	8	86 (dBA) ▲
0503	Makita HM1202C AVT Breaker	8.0ms2 ■	128	0	47	3	8	78 (dBA) ▲
HYDRAULIC BREAKERS								
0511	Hydraulic Breaker JCB HM25LV	3.2ms2 ■	20	4	53	19	32	108 (dBA) ▲
	Hydraulic Breaker JCB HM25	4.0ms2 ■	32	3	8	12	30	106 (dBA) ▲
ANGLE GRINDERS								
0221	Makita GA5021 - 125mm	13.5ms2 ■	145	0	42	2	46	90 (dBA) ▲
	Bosch GWS10 - 125mm	5.0ms2 ■	50	2	00	8	00	86 (dBA) ▲
0223	Bosch GWS23 - 230mm	5.5ms2 ■	61	1	39	6	37	92 (dBA) ▲
	Makita GA9020 - 230mm	5.5ms2 ■	61	1	39	6	37	89 (dBA) ▲
	Makita GA9096 - 230mm	3.0ms2 ■	18	5	33	22	13	89 (dBA) ▲
0225	Bosch GSW24-30 - 300mm	5.5ms2 ■	61	1	39	6	37	94 (dBA) ▲
	Hitachi CM12Y - 300mm	7.5ms2 ■	113	0	53	3	33	106 (dBA) ▲
CIRCULAR SAWS								
0201	Bosch GKS65 - 190mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Makita 5703R - 190mm	3.5ms2 ■	25	4	5	16	20	93 (dBA) ▲
	Hitachi C7U - 190mm	<2.5ms2 ■	13	8	00	>24	-	108 (dBA) ▲
0203	Makita 5903R - 230mm	3.0ms2 ■	18	5	33	22	13	95 (dBA) ▲
	Bosch GKS85S - 230mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Hitachi C9U - 230mm	<2.5ms2 ■	13	8	00	>24	-	110 (dBA) ▲
CORDLESS DRILLS								
0311	Makita 8434D 14.4V	2.5ms2 ■	13	8	00	>24	-	87 (dBA) ▲
	Bosch GSB18VE2	2.5ms2 ■	13	8	00	>24	-	93 (dBA) ▲

Manufacturers data is derived from the following EN standards

EN 5349: is the standard for measuring tri-axial vibration exposure to workers using vibrating tools at the actual place of work. Results for a particular tool will vary according to different working environments. This data is not suitable for tool comparison unless the exact same working conditions are applied to each test.

EN 60745: uses the measuring methods of EN 5349 but includes reproducible test conditions to allow for tool comparison and for making an initial risk assessment. However, this laboratory test method may not represent the way tools perform at work where vibration levels may be much higher. For accurate risk assessments you need data that is representative of your real-use tool vibration.

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Power Tools

CODE	EQUIPMENT	MANUFACTURERS DATA	HSE POINTS PER HOUR	TIME TO REACH EAV		TIME TO REACH ELV		SOUND PRESSURE
				HOURS	MINS	HOURS	MINS	
CORDLESS DRILLS								
0311	Makita BDF441RFE Cordless Drill	2.5ms2 ■	13	8	00	>24	-	70 (dBA) ▲
	Bosch GSB 14.4VRE	12.0ms2 ■	288	0	21	1	23	89 (dBA) ▲
0334	Bosch GBH 24V	10.0ms2 ■	200	0	30	2	00	86 (dBA) ▲
	Makita BHR200 24V	2.5ms2 ■	13	8	0	>24	-	87 (dBA) ▲
0348	Hilti TE6A Cordless Drill 36V	11.0ms2 ■	242	0	25	1	39	87 (dBA) ▲
PERCUSSION DRILLS								
0301	Makita HP2071F	16.0ms2 ■	512	0	12	0	47	99 (dBA) ▲
SDS HAMMER DRILLS								
0330	Makita HR2460	15.5ms2 ■	481	0	12	0	50	90 (dBA) ▲
	Hilti TE2	16.0ms2 ■	512	0	12	0	47	91 (dBA) ▲
COMBI-HAMMERS								
0314	Makita 3210C - Drilling	2.5ms2 ■	13	8	00	>24	-	89 (dBA) ▲
	Makita 3210C - Chiselling	7.0ms2 ■	98	1	1	4	5	89 (dBA) ▲
	Makita 3210C - Drilling in 7N Concrete Block	10.0ms2 ■	200	0	30	2	00	89 (dBA) ▲
	Bosch GBH2-22RE	12.0ms2 ■	288	0	21	1	23	90 (dBA) ▲
	Hilti TE30C	12.0ms2 ■	288	0	21	1	23	90 (dBA) ▲
0318	Makita HR4011C M/D Combi - Breaking	6.5ms2 ■	85	1	11	4	44	90 (dBA) ▲
	Makita HR4011C M/D Combi - H/Drilling	7.5ms2 ■	113	0	53	3	33	90 (dBA) ▲
	Bosch GBH540DE	10.0ms2 ■	2000	0	30	2	00	108 (dBA) ▲
0322	Makita HR5211C H/D Combi Hammer	12.5ms2 ■	313	0	19	1	17	100 (dBA) ▲
	Bosch GBH11DE	10.0ms2 ■	200	0	30	2	0	91 (dBA) ▲
DRY DIAMOND DRILLS								
0331	Makita 8406 Dry Core Drill - 127mm bit	9.0ms2 ■	162	0	37	2	28	94 (dBA) ▲
	Makita 8406 Impact Drill 13mm bit	9.5ms2 ■	181	0	33	2	13	94 (dBA) ▲
CIRCULAR SAWS-WOOD								
0201	Bosch GKS65 190mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Makita 5703R 190mm	3.0ms2 ■	18	5	33	22	13	93 (dBA) ▲
	Hitachi C7U 190mm	<2.5ms2 ■	13	8	00	>24	-	108 (dBA) ▲
0203	Makita 5903R 230mm	3.0ms2 ■	18	5	33	22	13	95 (dBA) ▲
	Bosch GKS85S 230mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Hitachi C9U 230mm	2.5ms2 ■	13	8	0	>24	-	110 (dBA) ▲
0285	Makita BSS610RFE 18V	2.5ms2 ■	13	8	0	>24	-	91 (dBA) ▲
0209	Flex D2AB0100 Door Trimming Saw	4.5ms2 ■	41	2	28	9	53	80 (dBA) ▲
0261	Makita 3901 Biscuit Jointer	<2.5ms2 ■	13	8	0	>24	xx	87 (dBA) ▲
0254	Makita LS1040 - 260mm Mitre Saw	2.5ms2 ■	13	8	0	>24	-	93 (dBA) ▲
0213	Metabo TKHS - 315mm Saw Bench	-	-	-	-	-	-	75 (dBA) ▲
0246	Dewalt DW743 Combination Saw	<2.0ms2 ■	8	12	30	>24	-	93 (dBA) ▲
SANDERS								
0105	Makita BO4900V Orbital Sander	2.5ms2 ■	13	8	0	>24	-	71 (dBA) ▲
	Bosch GSS280 AE Orbital Sander	3.0ms2 ■	18	5	33	22	13	76 (dBA) ▲
0124	Makita B04556 Palm Sander	3.0ms2 ■	18	5	33	22	13	82 (dBA) ▲
	Bosch GSS16A Palm Sander	3.5ms2 ■	25	25	4	5	16	75 (dBA) ▲
0122	Bosch GEX150AC Random Orbital Sander	4.0ms2 ■	32	3	8	12	30	80 (dBA) ▲
	Makita BO6030 Random Orbital Sander	4.0ms2 ■	32	3	8	12	30	77 (dBA) ▲
0109	Makita SA7000C 175mm Disc Sander	2.5ms2 ■	13	8	0	>24	-	88 (dBA) ▲
0103	Makita 9401 Belt Sander	2.5ms2 ■	13	8	0	>24	-	89 (dBA) ▲
PLANERS & ROUTERS								
0113	Makita KPO810K Wood Planer	3.5ms2 ■	25	4	5	16	20	88 (dBA) ▲
	Bosch GHO40-82C Planer	2.5ms2 ■	13	8	0	>24	-	85 (dBA) ▲
0115	Makita 3612CX Router	2.5ms2 ■	13	8	0	>24	-	84 (dBA) ▲
	Bosch GOF900CE Router	4.0ms2 ■	32	3	8	16	20	89 (dBA) ▲
SCREWDRIVERS								
0435	Makita BTD130FRFE Impact/Screwdriver	14.0ms2 ■	392	0	15	1	1	90 (dBA) ▲
0419	Makita 6843 Auto-Feed Screwdriver	<2.5ms2 ■	13	8	0	>24	-	84 (dBA) ▲
0451	Makita A/F Screwdriver BFR550RFE	2.5ms2 ■	13	8	0	>24	-	77 (dBA) ▲
JIGSAWS								
0205	Bosch GST2000	4.0ms2 ■	32	3	8	16	20	83 (dBA) ▲
	Makita 4350CT - Cutting Sheet Metal	4.5ms2 ■	41	2	88	9	53	84 (dBA) ▲
	Makita 4350CT - Cutting Wood	8.0ms2 ■	128	0	47	3	8	-
0277	Bosch Cordless GST14V	<2.5ms2 ■	13	8	0	>24	-	85 (dBA) ▲
	Makita Cordless BJV180RFE - Chipboard	5.0ms2 ■	50	2	0	8	0	73 (dBA) ▲
	Makita Cordless BJV180RFE - Sheet Metal	3.5ms2 ■	25	4	5	16	20	-
RECIPROCATING SAWS								
0231	Makita Recipro Saw Cordless	18.5ms2 ■	685	0	9	0	35	84 (dBA) ▲
0266	Makita Recipro Saw JR3050V 110V	22.0ms2 ■	968	0	6	0	25	88 (dBA) ▲
	Makita Recipro Saw JR3000 110V	13.0ms2 ■	338	0	18	1	11	83 (dBA) ▲

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Mechanical and Electrical Engineering

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ANGLE GRINDERS								
0221	Makita 125mm GA5021	13.5ms2 ■	145	0	42	2	46	90 (dBA) ▲
	Bosch 125mm GWS10-125	5.0ms2 ■	50	2	00	8	00	86 (dBA) ▲
0223	Bosch 230mm GWS23-230	5.5ms2 ■	61	1	39	6	37	92 (dBA) ▲
	Makita 230mm GA9020	5.5ms2 ■	61	1	39	6	37	89 (dBA) ▲
	Makita 230mm GA9096	3.0ms2 ■	18	5	33	22	13	89 (dBA) ▲
0225	Bosch 300mm GSW24-300	5.5ms2 ■	61	1	39	6	37	94 (dBA) ▲
	Hitachi 300mm CM12Y	7.5ms2 ■	113	0	53	3	33	93 (dBA) ▲
JIGSAWS								
0205	Bosch GST2000	4.0ms2 ■	32	3	8	12	30	83 (dBA) ▲
	Makita 4350CT - Sheet Metal	4.5ms2 ■	41	2	28	9	53	84 (dBA) ▲
	Makita 4350CT - Wood	8ms2 ■	128	0	47	3	8	-
0277	Bosch Cordless GST14V	<2.5ms2 ■	12	8	0	>24		85 (dBA) ▲
	Makita Cordless BJV180RFE - Chipboard	5.0ms2 ■	50	2	00	8	00	73 (dBA) ▲
	Makita Cordless BJV180RFE - Sheet Metal	3.5ms2 ■	25	4	5	16	20	-
RECIPROCATING SAWS								
0231	Makita Recipro BJR181RFE Saw Cordless	18.5ms2 ■	685	0	9	0	35	84 (dBA) ▲
0266	Makita JR3050V Recipro Saw 110V	22.0ms2 ■	968	0	6	0	25	88 (dBA) ▲
	Makita JR3000 Recipro Saw 110V	13.0ms2 ■	338	0	18	1	11	83 (dBA) ▲
NIBBLERS								
0232	Makita JN1601	7.5ms2 ■	113	0	53	3	33	83 (dBA) ▲
	Hitachi CN16	<2.5ms2 ■	13	8	0	>24		79 (dBA) ▲
SHEARS								
0228	Bosch GSC2.8	3.0ms2 ■	18	5	33	22	13	80 (dBA) ▲
	Makita JS1660	8.0ms2 ■	128	0	47	3	8	84 (dBA) ▲
CUT-OFF SAWS								
METAL CUTTING CIRCULAR SAWS								
0250	Evolution 180mm Metal Cutting Circular Saw	2.5ms2 ■	13	8	0	>24	-	99 (dBA) ▲
0298	EVO Extreme 230mm Metal - Circular Saw	2.9ms2 ■	17	5	57	23	47	111 (dBA) ▲
TCT CUT-OFF SAWS								
0291	Jepson 9314 TCT Cut Off Saw	1.19ms2 ■	3	>24	-	>24	-	100 (dBA) ▲
	Evo 355 Raptor Cut Off Saw	1.39ms2 ■	4	>24	-	>24	-	113 (dBA) ▲
TCT MITRE CUT-OFF SAW								
020E	Jepson 9211d TCT Mitre Cut-Off Saw	0.8ms2 ■	1	>24	-	>24	-	100 (dBA) ▲
TCT SLIDE MITRE CUT-OFF SAW								
020K	Evolution RAGE 3 TCT Slide Mitre Saw	3.05ms2 ■	19	5	22	21	30	94 (dBA) ▲
CUT-OFF SAW								
0211	Makita 2414B 14" Cut Off Saw	2.5ms2 ■	13	8	0	>24	-	97 (dBA) ▲
	Hitachi HU14 14" Cut Off Saw	15.0ms2 ■	450	0	13	0	53	105 (dBA) ▲
PORTABLE BAND SAW								
0294	Makita 2107FK	2.5ms2 ■	13	8	0	>24	-	86 (dBA) ▲
	Milwaukee HBS120E	<2.5ms2 ■	13	8	0	>24	-	85 (dBA) ▲
RECIPROCATING PIPE SAWS								
0236	Ridge 550 Pipe Saw	16.0ms2 ■	512	0	12	0	47	86 (dBA) ▲
	Rems Tiger 560020 Pipe Saw	18.3ms2 ■	670	0	9	0	36	96 (dBA) ▲
	Rothenberger RO Tiger Pipe Saw	10.5ms2 ■	221	0	27	1	49	-
PIPE THREADERS								
1902	Ridge 690 Hand Held Threader	2.5ms2 ■	13	8	0	>24	-	80 (dBA) ▲
	Rems Amigo 530020 Hand Held Threader	2.5ms2 ■	13	8	0	>24	-	83 (dBA) ▲
	Rothenberger 2000 Hand Held Threader	5.9ms2 ■	70	1	26	5	45	87 (dBA) ▲
	Rems Mini Conduit Threader 530011	3.5ms2 ■	25	4	5	16	20	84 (dBA) ▲
IMPACT WRENCHES								
0412	Makita 6905B 1/2" Wrench 110V	16.5ms2 ■	545	0	11	0	44	93 (dBA) ▲
0417	Makita 6906 3/4" Wrench 110V	16.5ms2 ■	545	0	11	0	44	98 (dBA) ▲
0432	Makita BTW251RFE 1/2" Cordless Wrench	1.5ms2 ■	5	22	13	>24	-	90 (dBA) ▲
SCREWDRIVERS								
0435	Makita BTD130FRFE Impact/Screwdriver	14.0ms2 ■	392	0	15	1	1	90 (dBA) ▲
0419	Makita 6843 Auto-Feed Screwdriver	<2.5ms2 ■	13	8	0	>24	-	84 (dBA) ▲
0451	Makita BFR550RFE A/F Screwdriver	2.5ms2 ■	13	8	0	>24	-	78 (dBA) ▲

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Construction Part 1

CODE	EQUIPMENT	MANUFACTURERS DATA	HSE POINTS PER HOUR	TIME TO REACH EAV HOURS	TIME TO REACH EAV MINS	TIME TO REACH ELV HOURS	TIME TO REACH ELV MINS	SOUND PRESSURE
PETROL BREAKERS								
0527	Atlas Copco MK1 Cobra 2-stroke Breaker	4.6ms2 ■	42	2	22	9	27	99 (dBA) ▲
0529	Wacker BH24LV 2-stroke breaker	4.9ms2 ■	48	2	5	8	20	102 (dBA) ▲
	Wacker BH23 2-stroke Breaker	12.8ms2 ■	328	-	18	1	13	-
HYDRAULIC BREAKERS								
0511	JCB Beaver HM25LV Breaker	3.2ms2 ■	20	4	53	19	32	108 (dBA) ▲
	JCB Beaver HM25 Breaker	4.0ms2 ■	32	3	8	12	30	106 (dBA) ▲
0513	JCB 'T' Handled Breaker	7.5ms2 ■	113	0	53	3	33	106 (dBA) ▲
ELECTRIC BREAKERS								
0532	Bosch GSH 16-28 Vib Reduced Breaker	10.00ms2 ■	200	0	30	2	0	92 (dBA) ▲
0509	Makita HM1810TR H/Duty AVT Breaker	9.0ms2 ■	162	0	37	2	28	84 (dBA) ▲
	Bosch GSH27 Breaker	13.0ms2 ■	338	0	18	1	11	91 (dBA) ▲
0526	Makita HM1214C AVT Breaker	8.0ms2 ■	128	0	47	3	8	78 (dBA) ▲
	Hilti TE1000 AVR Breaker	6.5ms2 ■	85	1	11	4	44	87 (dBA) ▲
	Hilti TE905 Breaker	8.5ms2 ■	145	0	42	2	46	92 (dBA) ▲
	Hilti 905AVR Breaker	8.5ms2 ■	145	0	42	2	46	92 (dBA) ▲
	Milwaukee Kango 900	11.0ms2 ■	242	0	25	1	39	105 (dBA) ▲
0501	Makita HM0871C AVT Demo Hammer	8.0ms2 ■	128	0	47	3	8	86 (dBA) ▲
0503	Makita HM1202C AVT Breaker	8.0ms2 ■	128	0	47	3	8	78 (dBA) ▲
AIR POWERED BREAKERS								
1562	Oswald Sullair MK250 25kg Breaker	3.6ms2 ■	26	3	51	15	26	93 (dBA) ▲
1556	Oswald Sullair SK8 9kg Demo pick	8.1ms2 ■	131	0	46	3	3	94 (dBA) ▲
1545	Oswald Sullair SK5 5.3kg Pick	5.0ms2 ■	50	2	0	8	0	94 (dBA) ▲
CONCRETING SCREEDS								
1028	Belle Porto Screed	4.88ms2 ■	48	2	6	8	24	104 (dBA) ▲
100B	Belle Easy Screed Pro	3.75ms2 ■	28	3	33	14	13	99 (dBA) ▲
	Magi-screed	9.9ms2 ■	196	0	31	2	2	80 (dBA) ▲
1094	Belle Roller Striker-Air	4.06ms2 ■	33	3	2	12	8	
CONCRETE POKERS								
1098	Wacker Irfun H/F Vib Poker 38mm *	0.7ms2 ■	1	>24	-	>24	-	79 (dBA) ▲
1097	Wacker Irfun H/F Vib Poker 45mm *	1.7ms2 ■	6	17	18	>24	-	79 (dBA) ▲
1064	Wacker Irfun H/F Vib Poker 57mm *	2.2ms2 ■	10	10	20	>24	-	79 (dBA) ▲
1095	Wacker Irfun H/F Vib Poker 57mm x5m *	4.5ms2 ■	41	2	28	9	53	83 (dBA) ▲
<i>* Measured 2 metres from poker head.</i>								
1018	Nationwide VB26 25mm Poker *	9.88ms2 ■	195	0	31	2	3	83 (dBA) ▲
1019	Nationwide VB40 38mm Poker *	9.58ms2 ■	184	0	33	2	11	83 (dBA) ▲
1020	Nationwide VT50 50mm Poker *	19.10ms2 ■	730	0	8	0	33	82 (dBA) ▲
1021	Nationwide VT75 75mm Poker *	17.90ms2 ■	641	0	9	0	37	82 (dBA) ▲
<i>* Measured 1 metre from poker head.</i>								
1025	Fairport V675 75mm Air Powered Poker	2.5ms2 ■	13	8	0	>24	-	-
POWER TROWELS								
100P	Refina CPT60 24" Electric Power Float	2.5ms2 ■	13	8	0	>24	-	74 (dBA) ▲
10EG	Belle Pro 600X 24" Power Float	4.63ms2 ■	43	2	20	9	20	104 (dBA) ▲
	Multiquip CA-4-4H 24" Power Float	3.85ms2 ■	30	3	22	13	30	94 (dBA) ▲
1027	Wacker CT36A 36" Power Float	5.3ms2 ■	56	1	47	7	7	104 (dBA) ▲
	Norton Clipper MTA36 Power Float	4.0ms2 ■	32	3	8	12	30	85 (dBA) ▲
100Y	Belle Pro-Tilt 1200 48" Power Trowel	11.68ms2 ■	273	0	22	1	28	107 (dBA) ▲
PETROL CUT-OFF SAW								
02AA	Stihl TS420 Cut-off saw 350mm	3.9ms2 ■	30	3	17	13	9	98 (dBA) ▲
0227	Stihl TS410 Cut-off saw 300mm	3.9ms2 ■	30	3	17	13	9	98 (dBA) ▲
	Stihl TS400 Cut-off saw 300mm	6.8ms2 ■	92	1	5	4	20	114 (dBA) ▲
	Husqvarna K750	4.6ms2 ■	42	2	22	9	27	97 (dBA) ▲
	Makita DPC 6400	8.0ms2 ■	128	0	47	3	8	102 (dBA) ▲
02CB	Husqvarna Cut-n-Break saw	3.0ms2 ■	18	5	33	22	13	100 (dBA) ▲
FLOOR SAWS								
1104	Norton Clipper C99 450mm Floor Saw	4.7ms2 ■	44	2	16	9	3	88 (dBA) ▲
1105	Wacker BFS 1345AD 450mm Floor Saw	6.2ms2 ■	77	1	18	5	12	-
	Norton Clipper CS451 450mm Floor Saw	1.9ms2 ■	7	13	51	>24	-	88 (dBA) ▲
1101	Norton Clipper CS1 D10 500mm Floor Saw	8.2ms2 ■	134	0	45	2	58	100 (dBA) ▲

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ToolMinder



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Call your local branch on **0870 514 3391**
Email: targetrisk@brandonhire.co.uk
Telephone: **01179 718527**

Using this information

Hand Arm Vibration Symbols

- GREEN - Low Risk
- AMBER - Medium Risk
- RED - High Risk

Noise Value Symbols

- ▲ GREEN - PPE Advised
- ▲ AMBER - PPE Mandatory
- ▲ RED - CAUTION High Quality PPE Vital

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Construction Part 2

CODE	EQUIPMENT	MANUFACTURERS DATA	HSE POINTS PER HOUR	TIME TO REACH EAV		TIME TO REACH ELV		SOUND PRESSURE
				HOURS	MINS	HOURS	MINS	
COMPACTION PLATES								
1085	Belle PCLX320 Compactor Plate	3.25ms2 ■	21	4	44	18	54	101 (dBA) ▲
	Wacker VP1135A Compactor Plate	4.5ms2 ■	4.5	2	28	9	53	93 (dBA) ▲
1015	Wacker WP1540A Compactor Plate	2.85ms2 ■	16	6	9	>24	-	93 (dBA) ▲
	Belle PCX13/40 Compactor Plate	2.80ms2 ■	16	6	23	>24	-	103 (dBA) ▲
REVERSIBLE PLATES								
1039	Wacker DPU2540 Rev/Compactor Plate	10.0ms2 ■	200	0	30	2	0	94 (dBA) ▲
	Belle RPC 30/40D Rev/Compactor Plate	7.80ms2 ■	122	0	49	3	17	108 (dBA) ▲
TRENCH RAMMERS								
1037	Wacker BS50-2 2-Stroke Trench Rammer	9.8ms2 ■	192	0	31	2	5	95 (dBA) ▲
10AF	Belle RT65 4-Stroke Rammer	9.9ms2 ■	196	0	31	2	2	108 (dBA) ▲
SURFACE PREPARATION								
HAND OPERATED TOOLS								
0262	Refina EPO 180H Rotary Scabbler	7.9ms2 ■	125	0	48	3	12	79 (dBA) ▲
0293	Refina Power Stripper	7.9ms2 ■	196	0	31	2	2	79 (dBA) ▲
0289	Refina Surface Blaster	2.9ms2 ■	17	5	57	23	47	272 (dBA) ▲
1044	Makita PC1100 Concrete Planer	5.5ms2 ■	61	1	39	6	37	-
1061	Refina LPG150 Brick Cleaner	6.5ms2 ■	85	1	11	4	44	79 (dBA) ▲
1730	Refina MM30 Mega Mixer	1.7ms2 ■	6	17	18	>24	-	-
FLOOR PREP & GRINDING								
1058	SPE MS230 Multi Stripper	13.5ms2 ■	365	0	16	1	6	80 (dBA) ▲
1067	SPE MS330 Tile Lifter	9.4ms2 ■	177	0	34	2	16	90 (dBA) ▲
1011	Marcris FR200-Petrol Engine	8.8ms2 ■	155	0	39	2	35	103 (dBA) ▲
1012	Marcris FR200-110V	4.2ms2 ■	35	2	50	11	20	103 (dBA) ▲
	Trelawney TFP200	10.3ms2 ■	212	0	28	1	53	92 (dBA) ▲
100W	Refina PD23 Alpha Floor Grinder	6.5ms2 ■	85	1	4	4	44	79 (dBA) ▲
100N	Refina PD250 Floor Grinder	7.5ms2 ■	113	0	53	3	33	82 (dBA) ▲
2332	SPE STR 701 - Using TCT Disc	1.0ms2 ■	2	>24	-	>24	-	92 (dBA) ▲
	SPE STR 701 - Silicon Carbide Disc	1.2ms2 ■	2	>24	-	>24	-	93 (dBA) ▲
AIR POWERED TOOLS								
1558	Trelawney VL303 Needle Gun	4.14ms2 ■	34	2	55	11	40	77 (dBA) ▲
1559	Trelawney 5095 Vib-Lo Single Scabbler	4.5ms2 ■	41	2	28	9	53	93 (dBA) ▲
1561	Trelawney LRS55 Vib-Lo Pole Scabbler	4.2ms2 ■	35	2	50	11	20	98 (dBA) ▲
1560	McDonald MSV3R Triple Head Scabbler	4.8ms2 ■	46	2	10	8	41	102 (dBA) ▲
FIXING TOOLS								
0424	Paslode IM90 Cordless Brad Nailer	8.3ms2 ■	138	0	44	2	54	-
0422	Paslode IM350 Cordless Nailer	9.0ms2 ■	162	0	37	2	28	-
0427	Spit Pulsa 700E Masonry/Steel Fixing Tool	8.1ms2 ■	131	0	46	3	3	-
0428	DX460 Cartridge Fixing Tool *	-	-	1300 EAV	5200 ELV	Green Cartridge	-	67 (dBA) ▲
	* Based on No. of cartridges fired to reach:	-	-	1000 EAV	4000 ELV	Yellow Cartridge	-	67 (dBA) ▲
	EAV-Exposure Action Value	-	-	1000 EAV	4000 ELV	Red Cartridge	-	67 (dBA) ▲
	ELV-Exposure Limit Value	-	-	600 EAV	2400 ELV	Black Cartridge	-	67 (dBA) ▲
MASONRY SAWS								
0258	Arbortech Masonry Saw	9.3ms2 ■	173	0	35	2	19	-
1122	Norton Clipper SC 180 Wall Chaser	4.1ms2 ■	34	2	58	11	54	97 (dBA) ▲
1112	Norton Clipper CM 501 Saw bench	<2.5ms2 ■	13	8	0	>24	-	93 (dBA) ▲
1113	Norton Clipper CGW1 Saw bench	<2.5ms2 ■	13	8	0	>24	-	80 (dBA) ▲
1110	Norton Clipper CST100 Saw bench	<2.5ms2 ■	13	8	0	>24	-	73 (dBA) ▲
ANGLE GRINDERS								
0221	Makita GA5021 125mm	13.5ms2 ■	145	0	42	2	46	90 (dBA) ▲
	Bosch GWS10-125 125mm	5.0ms2 ■	50	2	0	8	0	86 (dBA) ▲
0223	Bosch GWS23-230 230mm	5.5ms2 ■	61	1	39	6	37	92 (dBA) ▲
	Makita GA9020 230mm	5.5ms2 ■	61	1	39	6	37	89 (dBA) ▲
	Makita GA9096 230mm	3.0ms2 ■	18	5	33	22	13	89 (dBA) ▲
0225	Bosch GSW24-30 300mm	5.5ms2 ■	61	1	39	6	37	94 (dBA) ▲
	Hitachi CM12Y 300mm	7.5ms2 ■	113	0	53	3	33	106 (dBA) ▲
CIRCULAR SAWS								
0201	Bosch GKS65 190mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Makita 5703R 190mm	3.0ms2 ■	18	5	33	22	13	93 (dBA) ▲
	Hitachi C7U 190mm	<2.5ms2 ■	13	8	0	>24	-	108 (dBA) ▲
0203	Makita 5903R 230mm	3.0ms2 ■	18	5	33	22	13	95 (dBA) ▲
	Bosch GKS85S 230mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Hitachi C9U 230mm	<2.5ms2 ■	13	8	0	>24	-	110 (dBA) ▲

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