



TOOL SELECTOR

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Choose the safest and most productive Hilti tool

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How to read the Tool Selector

Sound pressure value

The sound pressure level is the physical value which is directly processed by the human ear. It is measured with standard microphones in accordance with EN 60745-2-X or EN62841-2-X. The sound pressure level is strongly dependent on the location of the tool in relation to the microphone. Due to this dependence it is not a reliable quantity for technical documentation. Therefore, we also declare sound power value. Both values are measured in accordance with the relevant standards EN 60745-2-X or EN62841-2-X, while taking into account the measurement instructions for specific tool classes within the standards.

Sound power value

This value is computed from several sound pressure levels at different measurement locations. It stands for an overall acoustic energy dissipated by the tool. While using a tool, protective equipment should be used as specified by the manufacturer in the relevant documents.

Vibration values

Measured in accordance with EN 60745. In certain applications where EN 60745 may not apply, BS EN 5349 is used. All data complies with the Control of Vibration at Work Regulations 2005. The tri-axial vibration value is required for risk analysis.

EAV

The "Exposure Action Value" (EAV) of 2.5 m/s² is the safer limit and can be worked to without any additional controls in place (risk assessment, health surveillance, inspection etc.). Employees should always aim to work to the EAV.

ELV

The "Exposure Limit Value" (ELV) of 5 m/s² is the absolute maximum weighted average level for an 8 hour working shift. If an average exposure of 2,5m/s² within an 8 hour working shift is exceeded, the employer has to take action in accordance with the local legislation.

Consumables

All values given are valid only for the given tool and consumable as well as the base material.

HSE Points

The exposure points system is a simple alternative for describing and managing exposures in the workplace. It helps to make the system more tangible and is useful especially when carrying out more than one applications per day.

In this product selector the **HSE points** system have been combined with Hilti's productivity figures.

The EAV allows a maximum of 100 point per day.

The ELV allows a maximum of 400 point per day.

Example:

Tool	Material	Detail	HSE Points	Applications	Total Points
TE 2	Concrete 40 N/mm ²	Hole depth: 100 mm Hole diameter: 10 mm	2,0	20	40
TE 76-ATC	Concrete 40 N/mm ²	Hole depth: 100 mm Hole diameter: 24 mm	2,7	10	27
DX 76	-	Cartridge: Red	0,1667	50	8,3
GX 120	-	-	0,0286	100	2,9
					78,2

This case comes in at below the EAV.

Applications

Drilling

The number of holes that can be drilled for a particular tool and given diameter, depth, work piece material and consumable in a working day before the EAV and ELV (shown in brackets) are given under the productivity data section. The red value is the number of HSE points per hole for the given tool and application.

Breaking

The volume of material that can be broken for a particular tool and given work piece material and consumable in a working day before the EAV and ELV (shown in brackets) are given in the productivity data section. The red value is the number of HSE points per litre for the given tool and application.

Impact Fastening

The number of nails that can be set for a particular tool and given work piece material and nail type in a working day before the EAV and ELV (shown in brackets) are given under the productivity data section. The red value is the number of HSE points per hole for the given tool and application.

Diamond Coring

The number of holes that can be made for a particular tool given diameter, depth, work piece material and consumable in a working day before reaching the EAV and ELV (shown in brackets) are given under the productivity data. The red value is the number of HSE points per hole for the given application (hand held).

Fastening

The cartridge colour is listed followed by the number of fastenings that can be made in a given day before reaching the EAV and ELV. The HSE points per fixing are listed.

Cutting

The length of material and number of cuts that can be made for a particular tool and application in one working day before reaching the EAV and ELV are listed under the productivity data.



Rotary hammers cordless

Basic tool data								Productivity data									
Tool	Dust removal available	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for drilling diameter (mm)							
										HSE points per hole							
										6	8	10	12	14	16	18	20
TE 2-A (01)	DRS-S	86 dB(A)	97 dB(A)	14.5 m/s ²	1.5 m/s ²	14 min	57 min	concrete 40 N/mm ²	TE-CX	129	119	47	36				
										(516)	(476)	(188)	(144)				
										0,80	0,84	2,13	2,78				
TE 2-A22 (02)	DRS-S	92 dB(A)	103 dB(A)	15.0 m/s ²	1.5 m/s ²	13 min	52 min	concrete 40 N/mm ²	TE-CX	132	117	88	66	55	46		
										(528)	(468)	(352)	(264)	(220)	(184)		
										0,76	0,85	1,14	1,52	1,82	2,17		
TE 4-A22 (01)	no	88 dB(A)	99 dB(A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	TE-C3X	256	246	219	180	131	66		
										(1024)	(984)	(472)	(500)	(352)	(268)		
										0,39	0,41	0,46	0,55	0,77	1,51		
TE 4-A22 (02)	DRS-4-A	88 dB(A)	99 dB(A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 50/60 N/mm ²	TE-CX	301	259	210	168	133	99		
										(1204)	(1036)	(840)	(672)	(532)	(396)		
										0,33	0,39	0,48	0,60	0,76	1,02		
TE 6-A (01)	DRS-S	90 dB(A)	101 dB(A)	11 m/s ²	1.5 m/s ²	25 min	99 min	concrete 40 N/mm ²	TE-CX	251	219	94	75	61	45		
										(1004)	(876)	(376)	(300)	(244)	(180)		
										0,40	0,46	1,06	1,33	1,64	2,22		
TE 6-A22 (04)	DRS-6A	89 dB(A)	100 dB(A)	13.4 m/s ²	1.5 m/s ²	17 min	67 min	concrete 50/60 N/mm ²	TE-C	277	230	190	141	128	101		
										(1108)	(920)	(760)	(564)	(512)	(404)		
										0,37	0,44	0,54	0,72	0,79	1,01		
TE 6-A36-AVR (03)	DRS-TE6-A	88 dB(A)	99 dB(A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-C3X	318	366	162	185	139	90		
										(1272)	(1464)	(648)	(740)	(556)	(360)		
										0,31	0,27	0,62	0,54	0,72	1,11		
TE 6-A36-AVR (04)	DRS-TE6-A	91 dB(A)	102 dB(A)	13 m/s ²	1.5 m/s ²	18 min	71 min	concrete 50/60 N/mm ²	TE-CX	289	240	199	148	134	106	93	87
										(1156)	(960)	(796)	(592)	(536)	(424)	(372)	(348)
										0,35	0,42	0,50	0,68	0,75	0,94	1,08	1,15
TE 7-A (01)	DRS-M	88 dB(A)	99 dB(A)	11 m/s ²	1.5 m/s ²	25 min	99 min	concrete 40 N/mm ²	TE-CX	228	237	126	112	85	69	35	
										(912)	(948)	(504)	(448)	(340)	(276)	(140)	
										0,44	0,42	0,79	0,89	1,18	1,45	2,86	

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Drilling

The number of holes that can be drilled for a particular tool and given diameter, depth, work piece material and consumable in a working day before the EAV and ELV (shown in brackets) are given in the productivity data section. The red value is the number of HSE points per hole for the given tool and application.

Rotary hammers

Basic tool data								Productivity data													
Tool	Dust removal available	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for drilling diameter (mm) HSE points per hole											
										Hole depth 50mm				Hole depth 100mm							
										6	8	10	12	14	16	18	20	25	28		
TE 1 (02)	DRS-S	89 dB (A)	100 dB (A)	15 m/s ²	1.5 m/s ²	13 min	52 min	concrete 40 N/mm ²	TE-CX		133 (532) 0,75	56 (224) 1,79	41 (164) 2,44								
TE 2 (all types) (01)	DRS-S	89 dB (A)	100 dB (A)	16 m/s ²	1.5 m/s ²	12 min	47 min	concrete 40 N/mm ²	TE-CX		116 (464) 0,86	49 (196) 2,04	39 (156) 2,56								
TE 2 (02) all types	DRS-S	91 dB (A)	102 dB (A)	13.5 m/s ²	1.5 m/s ²	16 min	66 min	concrete 40 N/mm ²	TE-CX		171 (684) 0,58	163 (662) 0,61	73 (292) 1,37	61 (244) 1,64							
TE 6-S (01)	DRS-M	87 dB (A)	98 dB (A)	11 m/s ²	1.5 m/s ²	25 min	99 min	concrete 40 N/mm ²	TE-CX		247 (988) 0,40	111 (444) 0,90	79 (316) 1,27	73 (292) 1,37	56 (224) 1,79						
TE 7 (02)	DRS-M	89 dB (A)	100 dB (A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	TE-C3X			84 (336) 1,19									
TE 7-C (01)	DRS-S	89 dB (A)	100 dB (A)	17 m/s ²	1.5 m/s ²	10 min	42 min	concrete 40 N/mm ²	TE-CX		103 (412) 0,97	107 (428) 0,93	52 (208) 1,92	45 (180) 2,22	34 (136) 2,94	28 (112) 3,57	18 (72) 5,56	14 (56) 7,14			
TE 16 (all types) (01)	DRS-S	89 dB (A)	100 dB (A)	16.5 m/s ²	1.5 m/s ²	11 min	44 min	concrete 40 N/mm ²	TE-CX		123 (492) 0,81	63 (252) 1,59	60 (240) 1,67		40 (160) 2,50			19 (76) 5,26			

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Drilling

The number of holes that can be drilled for a particular tool and given diameter, depth, work piece material and consumable in a working day before the EAV and ELV (shown in brackets) are given in the productivity data section. The red value is the number of HSE points per hole for the given tool and application.



Combihammers - hammer drilling in concrete

Basic tool data								Productivity data																
Tool	Dust removal available	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Workpiece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for drilling diameter (mm) HSE points per hole Hole depth 100mm														
										8	10	12	14	16	18	20	22	24	25	26	28	30	32	
TE 3-C (01)	DRS-S	92 dB (A)	103 dB (A)	15.5 m/s ²	1.5 m/s ²	12 min	50 min	concrete 50/60 N/mm ²	TE-CX, TE-C3X	76 (318) 1,26	61 (255) 1,57	46 (190) 2,11	37 (156) 2,57	31 (129) 3,10										
TE 3-M (01)	DRS-S	91 dB (A)	102 dB (A)	15.5 m/s ²	1.5 m/s ²	12 min	50 min	concrete 50/60 N/mm ²	TE-CX, TE-C3X	76 (318) 1,26	61 (255) 1,57	46 (190) 2,11	37 (156) 2,57	31 (129) 3,10										
TE 30 (01)	DRS-S	90 dB (A)	101 dB (A)	16.5 m/s ²	1.5 m/s ²	11 min	44 min	concrete 40 N/mm ²	TE-CX, TE-C3X		60 (240) 1,67	61 (244) 1,64		41 (164) 2,44		19 (76) 5,26								
TE 30-ATC/AVR (02)	DRS-S	88 dB (A)	99 dB (A)	10 m/s ²	1.5 m/s ²	30 min	120 min	concrete 40 N/mm ²	TE-CX	280 (1120) 0,36	210 (840) 0,48	180 (720) 0,56		140 (560) 0,71		80 (320) 1,25		62 (248) 1,61			30 (120) 3,33			
TE 30-ATC/AVR (02)	DRS-S	88 dB (A)	99 dB (A)	10 m/s ²	1.5 m/s ²	30 min	120 min	concrete 50/60 N/mm ²	TE-CX		187 (749) 0,53	159 (637) 0,63		110 (442) 0,91		71 (283) 1,41								
TE 30-AVR (01)	DRS-S	90 dB (A)	101 dB (A)	12 m/s ²	1.5 m/s ²	21 min	84 min	concrete 40 N/mm ²	TE-CX, TE-C3X		114 (456) 0,90	116 (464) 0,80		78 (312) 1,20		36 (144) 2,70								
TE 30-AVR (02)	DRS-S	93 dB (A)	103 dB (A)	9.2 m/s ²	1.5 m/s ²	35 min	140 min	concrete 50/60 N/mm ²	TE-CX, TE-C3X		437 (1748) 0,23	371 (1484) 0,27		258 (1032) 0,38		165 (660) 0,60								
TE 30-C-AVR (01)	DRS-S	90 dB (A)	100 dB (A)	12 m/s ²	1.5 m/s ²	21 min	84 min	concrete 40 N/mm ²	TE-CX, TE-C3X		114 (456) 0,88	116 (464) 0,86		78 (312) 1,28		36 (144) 2,78								
TE 30-M-AVR (01)	DRS-S	90 dB (A)	101 dB (A)	12 m/s ²	1.5 m/s ²	21 min	84 min	concrete 40 N/mm ²	TE-CX, TE-C3X		114 (456) 0,88	116 (464) 0,86		78 (312) 1,28		36 (144) 2,78								
TE 40 (01)	DRS-S	93 dB (A)	104 dB (A)	16.3 m/s ²	1.5 m/s ²	11 min	45 min	concrete 40 N/mm ²	TE-CX					52 (208) 1,92		29 (116) 3,45		20 (80) 5,00						
TE 40-AVR (01)	DRS-S	94 dB (A)	105 dB (A)	10.7 m/s ²	1.5 m/s ²	26 min	105 min	concrete 40 N/mm ²	TE-CX					121 (484) 0,83		67 (268) 1,49		46 (184) 2,17						
TE 50 (02)	DRS-Y	95 dB (A)	106 dB (A)	16.1 m/s ²	1.5 m/s ²	12 min	46 min	concrete 40 N/mm ²	TE-YX					50 (200) 2,00		29 (116) 3,45		22 (88) 4,55	20 (80) 5,00			12 (48) 8,33		
TE 50-AVR (02)	DRS-Y	97 dB (A)	108 dB (A)	8 m/s ²	1.5 m/s ²	47 min	188 min	concrete 50/60 N/mm ²	TE-YX					327 (1308) 0,31		254 (1016) 0,39			182 (728) 0,55				105 (420) 0,95	
TE 50-AVR (03)	DRS-Y	97 dB (A)	108 dB (A)	8 m/s ²	1.5 m/s ²	47 min	188 min	concrete 50/60 N/mm ²	TE-YX			323,06 (1292) 0,31	289,25 (1156) 0,35	258 (1032) 0,39	228,19 (912) 0,44	200 (800) 0,50	175,85 (704) 0,57	152,96 (612) 0,65	143 (572) 0,70			113,72 (456) 0,88	97,37 (388) 1,03	83 (332) 1,20
TE 56 (01)	DRS-Y	92 dB (A)	103 dB (A)	17 m/s ²	1.5 m/s ²	10 min	42 min	concrete 40 N/mm ²	TE-YX					47 (188) 2,13		29 (116) 3,45		22 (88) 4,55					17 (68) 5,88	13 (52) 7,69

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.



Combihammers - hammer drilling in concrete

Basic tool data								Productivity data													
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for drilling diameter (mm)											
										HSE points per hole											
										Hole depth 100mm											
										16	18	20	22	24	25	28	30	32	37	38	40
TE 56-ATC (01)	DRS-Y	92 dB (A)	103 dB (A)	16 m/s ²	1.5 m/s ²	12 min	47 min	concrete 40 N/mm ²	TE-YX			33 (132) 3,03		25 (100) 4,00		20 (80) 5,00	14 (56) 7,14				
TE 60-T-ATC (02)	DRS-Y	99 dB (A)	110 dB (A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-YX			113 (452) 0,88			82 (328) 1,22		56 (224) 1,79				
TE 60-AVR (04)	DRS-Y	96 dB (A)	107 dB (A)	9.6 m/s ²	1.5 m/s ²	33 min	130 min	concrete 50/60 N/mm ²	TE-YX			242 (968) 0,42			202 (808) 0,50			119 (476) 0,85			76 (304) 1,33
TE 60-ATC (03)	DRS-Y	101 dB (A)	112 dB (A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	TE-YX			76 (304) 1,32			69 (276) 1,45			42 (168) 2,38			
TE 60-ATC-AVR (03)	DRS-Y	101 dB (A)	112 dB (A)	7.5 m/s ²	1.5 m/s ²	53 min	212 min	concrete 40 N/mm ²	TE-YX			185 (740) 0,54			150 (600) 0,67			94 (376) 1,06			
TE 60-ATC-AVR (04)	DRS-Y	100 dB (A)	111 dB (A)	6.4 m/s ²	1.5 m/s ²	73 min	293 min	concrete 50/60 N/mm ²	TE-YX			534 (2136) 0,18			446 (1784) 0,22			263 (1052) 0,38			168 (672) 0,59
TE 70 (02)	DRS-Y	99 dB (A)	110 dB (A)	22 m/s ²	1.5 m/s ²	6 min	25 min	concrete 40 N/mm ²	TE-YX				25 (100) 4,00		21 (84) 4,76	18 (72) 5,56		15 (60) 6,67		10 (40) 10,00	7 (28) 14,29
TE 70-ATC (02)	DRS-Y	99.5 dB (A)	110.5 dB (A)	22 m/s ²	1.5 m/s ²	6 min	25 min	concrete 40 N/mm ²	TE-YX				25 (100) 4,00		21 (84) 4,76	18 (72) 5,56		15 (60) 6,67		10 (40) 10,00	7 (28) 14,29
TE 70-AVR (03)	DRS-Y	102 dB (A)	113 dB (A)	10 m/s ²	1.5 m/s ²	30 min	120 min	concrete 40 N/mm ²	TE-YX												
TE 70-D/AVR (03)										140 (560)	120 (480)	125 (500)	120 (480)		105 (420)	90 (360)		65 (260)	50 (200)		40 (160)
TE 70-ATC/AVR (03)										0,71	0,83	0,80	0,83		0,95	1,11		1,54	2,00		2,50
TE 70-AVR (04)	DRS-Y	100 dB (A)	111 dB (A)	8.3 m/s ²	1.5 m/s ²	44 min	174 min	concrete C50/60	TE-YX												
TE 70-AVR/ATC (04)											231 (924)	222 (887)		179 (717)		120 (481)		80 (322)			
										0,43	0,45		0,56		0,83		1,24				

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Combihammers cordless - hammer drilling in concrete

Basic tool data								Productivity data															
Tool	Dust removal available	Emission sound pressure level LpA *	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for drilling diameter (mm)													
										HSE points per hole													
										Hole depth 100mm													
										10	12	14	16	18	20	22	24	25	28	30	32		
TE 30-A 36 (02)	DRS-S	88 dB (A)	99 dB (A)	10.6 m/s ²	1.5 m/s ²	27 min	107 min	concrete 50/60 N/mm ²	TE-CX TE-CP TE-C-BK			309 (1236) 0,32	263 (1052) 0,38	221 (804) 0,45	183 (732) 0,55	148 (592) 0,68	117 (472) 0,86	90 (360) 1,12	66 (264) 1,52	55 (220) 1,81			
TE 30-A 36 (03)	DRS-Y	96 dB (A)	107 dB (A)	9.6 m/s ²	1.5 m/s ²	33 min	130 min	concrete 50/60 N/mm ²	TE-YX			333 (1332) 0,3	283 (1332) 0,35	238 (952) 0,42	197 (788) 0,51	159 (636) 0,63	126 (504) 0,8	97 (388) 1,03	72 (288) 1,4	60 (240) 1,66			
TE 60-A36 (04)	DRS-Y	101 dB (A)	112 dB (A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	TE-YX				464 (1856) 0,22	418 (1672) 0,24	375 (1500) 0,27	335 (1340) 0,3	300 (1200) 0,33	264 (1056) 0,38	233 (932) 0,43	214 (856) 0,47	179 (716) 0,56	156 (624) 0,64	140 (560) 0,72



Combihammers - hammer drilling in concrete

Basic tool data								Productivity data														
Tool	Dust removal available	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for drilling diameter (mm)												
										HSE points per hole												
										Hole depth 100mm												
										16	18	20	22	24	25	28	30	32	36	37	38	40
TE 76 (01)	DRS-Y	91 dB (A)	102 dB (A)	17 m/s ²	1.5 m/s ²	10 min	42 min	concrete 40 N/mm ²	TE-YX					29		21		17			13	
														(116)		(84)		(68)		(52)		
														3,45		4,76		5,88		7,69		
TE 76P-ATC (01)	DRS-Y	91 dB (A)	102 dB (A)	15 m/s ²	1.5 m/s ²	13 min	53 min	concrete 40 N/mm ²	TE-YX					37		26		22		16		
														(148)		(104)		(88)		(64)		
														2,70		3,85		4,55		6,25		
TE 80-ATC (01)	DRS-Y	99.5 dB (A)	110.5 dB (A)	8.8 m/s ²	1.5 m/s ²	39 min	155 min	concrete 40 N/mm ²	TE-YX				171		144	131	109	93	70		53	
													(684)		(576)	(524)	(436)	(372)	(280)		(212)	
													0,58		0,69	0,76	0,92	1,08	1,43		1,89	
TE 80-ATC /AVR (03)	DRS-Y	102 dB (A)	113 dB (A)	7.5 m/s ²	1.5 m/s ²	53 min	212 min	concrete 40 N/mm ²	TE-YX		250	210	220	212		185	165		115		92	75
											(1000)	(840)	(880)	(848)		(740)	(660)		(460)		(368)	(300)
											0,40	0,48	0,45	0,47		0,54	0,61		0,87		1,09	1,33

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x. Uncertainty (k): noise 3dB.

Combihammers - chiseling to wall

Tool	Basic tool data							Productivity data				
	Dust removal available	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Volume till EAV (liter)	Volume till ELV (liter)	HSE Points
TE 30-ATC/AVR (02)	DRS-S	88 dB (A)	99 dB (A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-CP-SM 25			
TE 30-C-AVR (01)	no	90 dB (A)	111 dB (A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	TE-CP-SM 25	7	28	14,29
TE 30-M-AVR (01)	no	90 dB (A)	111 dB (A)	11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	TE-CP-SM 25	7	28	14,29
TE 56 / TE 56-ATC (01)	DRS-Y	92 dB (A)	103 dB (A)	13 m/s ²	1.5 m/s ²	18 min	71 min	concrete 40 N/mm ²	TE-YP-SM 28	14,9	59	6,71
TE 60 (02)	DRS-Y	96 dB (A)	107 dB (A)	14 m/s ²	1.5 m/s ²	15 min	61 min	concrete 40 N/mm ²	TE-YP-SM 28	12,9	52	7,75
TE 60 (03)	DRS-Y	96 dB (A)	107 dB (A)	15.5 m/s ²	1.5 m/s ²	12 min	48 min	concrete 40 N/mm ²	TE-YP-SM 28	11,5	46	8,70
TE 60-T-ATC (02)	DRS-Y	99 dB (A)	110 dB (A)	8.5 m/s ²	1.5 m/s ²	42 min	168 min	concrete 40 N/mm ²	TE-YP-SM 28	34	136	2,94
TE 60-ATC (03)	DRS-Y	101 dB (A)	112 dB (A)	10.5 m/s ²	1.5 m/s ²	27 min	108 min	concrete 40 N/mm ²	TE-YP-SM 28	25	100	4,00
TE 60-ATC-AVR (03)	DRS-Y	101 dB (A)	112 dB (A)	7 m/s ²	1.5 m/s ²	61 min	244 min	concrete 40 N/mm ²	TE-YP-SM 28	56,3	225	1,78
TE 70 (02)	DRS-Y	99 dB (A)	110 dB (A)	18 m/s ²	1.5 m/s ²	9 min	37 min	concrete 40 N/mm ²	TE-YP-SM 28	11,9	48	8,40
TE 70-AVR (03)	DRS-Y	102 dB (A)	113 dB (A)	9 m/s ²	1.5 m/s ²	37 min,	148 min	concrete 40 N/mm ²	TE-YP-SM 28	51	204	1,96
TE 70-ATC/AVR (03)	DRS-Y	102 dB (A)	113 dB (A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-YP-SM 28	51	204	1,96
TE 70-AVR (04) TE 70-AVR/ATC (04)	DRS-Y	100 dB(A)	111 dB(A)	8	1,5	47 min	188 min	concrete C30	TE-YP-SM 28	93,75	375	1,1
TE 76 (01)	DRS-Y	91 dB (A)	102 dB (A)	15 m/s ²	1.5 m/s ²	13 min	53 min	concrete 40 N/mm ²	TE-YP-SM 28	14,7	59	6,80
TE 80-ATC (01)	DRS-Y	99.5 dB (A)	110.5 dB (A)	8.5 m/s ²	1.5 m/s ²	42 min	166 min	concrete 40 N/mm ²	TE-YP-SM 28	56,5	225	1,77
TE 80-ATC/AVR (03)	DRS-Y	102 dB (A)	113 dB (A)	7 m/s ²	1.5 m/s ²	61 min	244 min	concrete 40 N/mm ²	TE-YP-SM 28	85	340	1,18

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

1 liter is the same as 1 dm³ and the same as 1000cm³

Cordless Breakers - demolition

Basic tool data								Productivity data				
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Volume till EAV (liter)	Volume till ELV (liter)	HSE points
TE 300-A36 (03)	no	88 dB (A)	99 dB (A)	7,9 m/s ²	1.5 m/s ²	48 min	192 min	concrete 50/60 N/mm ²	TE-C	20,6	82,56	4,85
TE 500-A36 (04)				6,7 m/s ²	1.5 m/s ²	67 min	268 min	concrete 50/60 N/mm ²	TE-Y	67	268	1,49

Breakers - chiseling to wall

Basic tool data								Productivity data				
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Volume till EAV (liter)	Volume till ELV (liter)	HSE Points
TE 300-AVR (01)	no	91 dB (A)	102 dB (A)	13.5 m/s ²	1.5 m/s ²	16 min	64 min	concrete 40 N/mm ²	TE-YP-SM 28	5	20	20,00
TE 500 (01)	DRS-B	94 dB (A)	105 dB (A)	12.1 m/s ²	1.5 m/s ²	20 min	82 min	concrete 40 N/mm ²	TE-YP-SM 28	22,1	88	4,52
TE 500-AVR (01)	DRS-B	94 dB (A)	105 dB (A)	10.1 m/s ²	1.5 m/s ²	29 min	118 min	concrete 40 N/mm ²	TE-YP-SM 28	31,8	127	3,14
TE 500-AVR (03)	DRS-B	84 dB (A)	95 dB (A)	6,8 m/s ²	1.5 m/s ²	65 min	260 min	concrete 50/60 N/mm ²	TE-Y	65	260	1,54
TE 700-AVR (01)	DRS-B	86 dB (A)	97 dB (A)	6.5 m/s ²	1.5 m/s ²	71 min	284 min	concrete 40 N/mm ²	TE-YP-SM 28	60	240	1,67
TE 706 (01)	DRS-B	90 dB (A)	101 dB (A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-YP-SM 28	41,5	165	2,41
TE 706-AVR (01)	DRS-B	87 dB (A)	98 dB (A)	5.5 m/s ²	1.5 m/s ²	99 min	397 min	concrete 40 N/mm ²	TE-YP-SM 28	111,1	444	0,90
TE 800 (01)	DRS-B	87 dB (A)	98 dB (A)	16m/s ²	1.5 m/s ²	12 min	48 min	concrete 40 N/mm ²	TE-SP-SM 36	25	100	4,00
TE 800-AVR (01)	DRS-B	87 dB (A)	98 dB (A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-SP-SM 36	95	380	1,05

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x. Uncertainty (k): noise 3dB.

Breakers - demolition on floor edge

Basic tool data								Productivity data				
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Volume till EAV (liter)	Volume till ELV (liter)	HSE Points
TE 800 (01)	DRS-B	87 dB (A)	98 dB (A)	16 m/s ²	1.5 m/s ²	12 min	48 min	concrete 40 N/mm ²	TE-SP-SM 36	52	208	1,92
TE 800-AVR (01)	DRS-B	87 dB (A)	98 dB (A)	9 m/s ²	1.5 m/s ²	37 min	148 min	concrete 40 N/mm ²	TE-SP-SM 36	192	768	0,52
TE 905-AVR (01)	DRS-B	92 dB (A)	103 dB (A)	8.5 m/s ²	1.5 m/s ²	42 min	166 min	concrete 40 N/mm ²	TE-SP-SM 36	139,8	559	0,72
TE 1000-AVR (01)	DRS-B	87 dB (A)	98 dB (A)	6.5 m/s ²	1.5 m/s ²	71 min	284 min	concrete 40 N/mm ²	TE-SP-SM 36	325	1300	0,31
TE 1000-AVR (02)	DRS-B	85 dB (A)	96 dB (A)	5 m/s ²	1.5 m/s ²	120 min	480 min	concrete 40 N/mm ²	TE-SP-SM 36	900	3600	0,11
TE 1500-AVR (01)	DRS-B	89 dB (A)	100 dB (A)	12 m/s ²	1.5 m/s ²	21 min	84 min	concrete 40 N/mm ²	TE-SP-SM 36	145	580	0,69
TE 2000-AVR (01)	DRS-B	77 dB (A)	97 dB (A)	4,8 m/s ²	1.5 m/s ²	130 min	521 min	concrete 50/60 N/mm ²	TE-S	1846	7384	0,05
TE 3000-AVR (01)	DRS-B	94 dB (A)	105 dB (A)	7 m/s ²	1.5 m/s ²	61 min	244 min	concrete 40 N/mm ²	TE Hex 28	2075	8300	0,05

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

How to read the Tool Selector

Breaking - The volume of material that can be broken for a particular tool and given workpiece material and consumable in a working day before the EAV and ELV (shown in brackets) are given in the productivity data section. The red value is the number of HSE points per litre for the given tool and application.



Drilling in steel
Cordless drill drivers, hammer drills drivers, compact drill drivers

Basic tool data								Productivity data												
Tool	Dust removal system	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²)										
										HSE Points per hole sheet steel thickness (mm) one-step drilling										
										1	2	3	4	5	6	7	8	9	10	
SF 2-A (01)	no	64 dB(A)	75 dB(A)	1.9 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	10320	5120	3440	2560	2000	1680	1440	1280	1120	1040	
										(41280)	(20480)	(13760)	(10240)	(8000)	(6720)	(5760)	(5120)	(4480)	(4160)	
										0,01	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09	0,10	
SF 2-A12 (02)	no	72 dB(A)	83 dB(A)	3,7 m/s ²	1,5 m/s ²	219 min	876 min	mild steel												
SF 2H-A12 (02)	no	76 dB(A)	87 dB(A)	3,2 m/s ²	1,5 m/s ²	293 min	956 min	mild steel												
SFE 2_A22 (02)	no	73 dB(A)	84 dB(A)	1,6 m/s ²	1,5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93 mm	10083	5041	3361	2521	2017	1680	1440	1260	1120	1008	
										(40331)	(20166)	(13444)	(10083)	(8066)	(6722)	(5762)	(5041)	(4481)	(4033)	
										0,01	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09	0,10	
SF 6-A22 (01)	no	73 dB(A)	84 dB(A)	2 m/s ²	1,5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	6640	3280	2160	1600	1280	1040	880	800	720	640	
										(26560)	(13120)	(8640)	(6400)	(5120)	(4160)	(3520)	(3200)	(2880)	(2560)	
										0,02	0,03	0,05	0,06	0,08	0,10	0,11	0,13	0,14	0,16	
SF 6-A22 (02)	no	78 dB(A)	89 dB(A)	1,4 m/s ²	1,5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93 mm	7968	3984	2656	1992	1594	1328	1138	996	885	797	
										(31871)	(15936)	(10624)	(7968)	(6374)	(5312)	(4553)	(3984)	(3541)	(3187)	
										0,01	0,03	0,04	0,05	0,06	0,08	0,09	0,10	0,11	0,13	
SF 6H-A22 (01)	no	84 dB(A)	95 dB(A)	2 m/s ²	1,5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	10320	5120	3440	2560	2000	1680	1440	1280	1120	1040	
										(41280)	(20480)	(13760)	(10240)	(8000)	(6720)	(5760)	(5120)	(4480)	(4160)	
										0,01	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09	0,10	
SF 8M-A22 (01)	no	77 dB(A)	88 dB(A)	2.5 m/s ²	1.5 m/s ²	440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	7680	3840	2560	1920	1530	1280	1090	960	850	760	
										(30720)	(15360)	(10240)	(7680)	(6120)	(5120)	(4360)	(3840)	(3400)	(3040)	
										0,01	0,03	0,04	0,05	0,07	0,08	0,09	0,10	0,12	0,13	
SF 10W (01)	no	75 dB(A)	86 dB(A)	2.5 m/s ²	1.5 m/s ²	440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	7680	3840	2560	1920	1530	1280	1090	960	850	760	
										(30720)	(15360)	(10240)	(7680)	(6120)	(5120)	(4360)	(3840)	(3400)	(3040)	
										0,01	0,03	0,04	0,05	0,07	0,08	0,09	0,10	0,12	0,13	
SF 10W-A22 ATC (02)	no	75 dB(A)	86 dB(A)	2.5 m/s ²	1.5 m/s ²	440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	7680	3840	2560	1920	1530	1280	1090	960	850	760	
										(30720)	(15360)	(10240)	(7680)	(6120)	(5120)	(4360)	(3840)	(3400)	(3040)	
										0,01	0,03	0,04	0,05	0,07	0,08	0,09	0,10	0,12	0,13	
SF 14-A (01)	no	75 dB(A)	86 dB(A)	2 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	11500	5700	3800	2800	2300	1900	1600	1400	1200	1100	
										(46000)	(22800)	(15200)	(11200)	(9200)	(7600)	(6400)	(5600)	(4800)	(4400)	
										0,01	0,02	0,03	0,04	0,04	0,05	0,06	0,07	0,08	0,09	
SF 22-A (01)	no	75 dB(A)	86 dB(A)	2 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	7680	3840	2560	1920	1530	1280	1090	960	850	760	
										(30720)	(15360)	(10240)	(7680)	(6120)	(5120)	(4360)	(3840)	(3400)	(3040)	
										0,01	0,03	0,04	0,05	0,07	0,08	0,09	0,10	0,12	0,13	
SFH 22-A (01)	no	75 dB(A)	86 dB(A)	2 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	8300	4100	2700	2000	1600	1300	1100	1000	900	800	
										(33200)	(16400)	(10800)	(8000)	(6400)	(5200)	(4400)	(4000)	(3600)	(3200)	
										0,01	0,02	0,04	0,05	0,06	0,08	0,09	0,10	0,11	0,13	
SFC 14-A (01)	no	69 dB(A)	80 dB(A)	2 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	12900	6400	4300	3200	2500	2100	1800	1600	1400	1300	
										(51600)	(25600)	(17200)	(12800)	(10000)	(8400)	(7200)	(6400)	(5600)	(5200)	
										0,01	0,02	0,02	0,03	0,04	0,05	0,06	0,06	0,07	0,08	
SFC 22-A (01)	no	69 dB(A)	80 dB(A)	2 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	22200	11100	7400	5500	4400	3700	3100	2700	2400	2200	
										(88800)	(44400)	(29600)	(22000)	(17600)	(14800)	(12400)	(10800)	(9600)	(8800)	
										0,00	0,01	0,01	0,02	0,02	0,03	0,03	0,04	0,04	0,05	
SFD 2-A (01)	no	64 dB(A)	75 dB(A)	1.9 m/s ²	1.5 m/s ²	>440min	>1440 min	mild steel	HSS Spiral drill 6,0x93	10320	5120	3440	2560	2000	1680	1440	1280	1120	1040	
										(41280)	(20480)	(13760)	(10240)	(8000)	(6720)	(5760)	(5120)	(4480)	(4160)	
										0,01	0,02	0,03	0,04	0,05	0,06	0,07	0,08	0,09	0,10	

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Drilling in steel
Electric drill driver

Basic tool data								Productivity data											
Tool	Dust removal system	Emission Sound pressure Level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points per hole sheet steel thickness (mm) one-step drilling									
										1	2	3	4	5	6	7	8	9	10
UD 30 (01)	no	86 dB(A)	97 dB(A)	6 m/s ²	1.5 m/s ²	83 min	332 min	mild steel	HSS Spiral drill 6,0x93	3010	1500	1000	750	600	500	430	370	330	300
										(12040)	(6000)	(4000)	(3000)	(2400)	(2000)	(1480)	(1480)	(1320)	(1200)
										0,03	0,07	0,10	0,13	0,17	0,20	0,23	0,27	0,30	0,33
										3610	1800	1200	900	720	600	510	450	400	360
										(14440)	(7200)	(4800)	(3600)	(2880)	(2400)	(2040)	(1800)	(1600)	(1440)
										0,03	0,06	0,08	0,11	0,14	0,17	0,20	0,22	0,25	0,28
										4510	2250	1500	1120	900	750	640	560	500	450
										(18040)	(9000)	(6000)	(4480)	(3600)	(3000)	(2560)	(2240)	(2000)	(1800)
HSS Spiral drill 4,0x75	6020	3010	2000	1500	1200	1000	860	750	660	600									
	(24080)	(12040)	(8000)	(6000)	(4800)	(4000)	(3440)	(3000)	(2640)	(2400)									
	0,02	0,03	0,05	0,07	0,08	0,10	0,12	0,13	0,15	0,17									
	HSS Spiral drill 3,0x61	6020	3010	2000	1500	1200	1000	860	750	660	600								
(24080)		(12040)	(8000)	(6000)	(4800)	(4000)	(3440)	(3000)	(2640)	(2400)									

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x. Uncertainty (k): noise 3dB.

Drilling in steel - electric rotary hammers

Basic tool data								Productivity data											
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points per hole sheet steel thickness (mm) one-step drilling									
										1	2	3	4	5	6	7	8	9	10
TE 2-M (02)	no	n.a.	n.a.	4.5 m/s ²	1.5 m/s ²	148 min	592 min	mild steel	HSS Spiral drill 6,0x93	3030	1510	1010	750	600	500	430	370	330	300
										(12120)	(6040)	(4040)	(3000)	(2400)	(2000)	(1720)	(1480)	(1320)	(1200)
										0,03	0,07	0,10	0,13	0,17	0,20	0,23	0,27	0,30	0,33

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x. Uncertainty (k): noise 3dB.

Drilling in steel - cordless rotary Hammers

Basic tool data								Productivity data													
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points per hole sheet steel thickness (mm) one-step drilling											
										1	2	3	4	5	6	7	8	9	10		
TE 4-A22 (01)	no	n.a.	n.a.	5.5 m/s ²	1.5 m/s ²	99 min	396 min	mild steel	HSS Spiral drill 6,0x93	3070	1530	1020	760	610	510	430	380	340	300		
										(12280)	(6120)	(4080)	(3040)	(2440)	(2040)	(1720)	(1520)	(1360)	(1200)		
										0,03	0,07	0,10	0,13	0,16	0,20	0,23	0,26	0,29	0,33		
TE 6-A36-AVR (03)	no	n.a.	n.a.	2.5 m/s ²	1.5 m/s ²	440 min	>1440 min	mild steel	HSS Spiral drill 6,0x93	7320	3660	2440	1830	1460	1220	1040	910	810	730		
										(29280)	(14640)	(9760)	(7320)	(5840)	(4880)	(4160)	(3640)	(3240)	(2920)		
										0,01	0,03	0,04	0,05	0,07	0,08	0,10	0,11	0,12	0,14		
TE 30-A36 (02)	no	n.a.	n.a.	3 m/s ²	1.5 m/s ²	333 min	1332 min	mild steel	HSS Spiral drill 6,0x93	7110	3550	2370	1770	1420	1180	1010	880	790	710		
										(28440)	(14200)	(9480)	(7080)	(5680)	(4720)	(4040)	(3520)	(3160)	(2840)		
										0,01	0,03	0,04	0,06	0,07	0,08	0,10	0,11	0,13	0,14		
										8540	4270	2840	2130	1700	1420	1220	1060	940	850		
								mild steel	HSS Spiral drill 5,0 x 86	(34160)	(17080)	(11360)	(8520)	(6800)	(5680)	(4880)	(4240)	(3760)	(3400)		
										0,01	0,02	0,04	0,05	0,06	0,07	0,08	0,09	0,11	0,12		
										mild steel	HSS Spiral drill 4,0 x 75	10670	5330	3550	2660	2130	1770	1520	1330	1180	1060
												(42680)	(21320)	(14200)	(10640)	(8520)	(7080)	(6080)	(5320)	(4720)	(4240)
mild steel	HSS Spiral drill 3,0 x 61	14230	7110	4740	3550	2840	2370	2030	1770	1580	1420										
		(56920)	(28440)	(18960)	(14200)	(11360)	(9480)	(8120)	(7080)	(6320)	(5680)										
0,01	0,01	0,02	0,03	0,04	0,04	0,05	0,06	0,06	0,07												

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.



Drilling in steel
Rotary hammers

Basic tool data								Productivity data									
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points per hole sheet steel thickness (mm) pre drilling (6mm pre-hole)							
										3	4	5	6	7	8	9	10
TE 4-A22 (01)	no	n.a.	n.a.	5.5 m/s ²	1.5 m/s ²	99 min	396 min	mild steel	HSS Spiral drill 12,0 x 151	270 (1080)	200 (800)	160 (640)	130 (520)	110 (440)	100 (400)	90 (360)	80 (320)
										0,37	0,50	0,63	0,77	0,91	1,00	1,11	1,25
										290	220	170	140	120	110	90	80
										(1160)	(880)	(680)	(560)	(480)	(440)	(360)	(320)
										0,34	0,45	0,59	0,71	0,83	0,91	1,11	1,25
		320	240	190	160	140	100	90									
		(1280)	(960)	(760)	(640)	(560)	(400)	(360)									
		0,31	0,42	0,53	0,63	0,71	0,83	1,00	1,11								
		360	270	210	180	150	120	100									
		(1440)	(1080)	(840)	(720)	(600)	(480)	(400)									
		0,28	0,37	0,48	0,56	0,67	0,77	0,83	1,00								
		410	300	240	200	170	150	120									
		(1640)	(1200)	(960)	(800)	(680)	(600)	(520)	(480)								
		0,24	0,33	0,42	0,50	0,59	0,67	0,77	0,83								
TE 6-A36-AVR (03)	no	n.a.	n.a.	2.5 m/s ²	1.5 m/s ²	440 min	>1440 min	mild steel	HSS Spiral drill 12,0 x 151	550 (2200)	410 (1640)	330 (1320)	270 (1080)	230 (920)	200 (800)	180 (720)	160 (640)
										0,18	0,24	0,30	0,37	0,43	0,50	0,56	0,63
										600	450	360	300	260	220	200	180
										(2400)	(1800)	(1440)	(1200)	(1040)	(880)	(800)	(720)
										0,17	0,22	0,28	0,33	0,38	0,45	0,50	0,56
		660	500	400	330	280	250	220	200								
		(2640)	(2000)	(1600)	(1320)	(1120)	(1000)	(880)	(800)								
		0,15	0,20	0,25	0,30	0,36	0,40	0,45	0,50								
		740	550	440	370	310	270	240	220								
		(2960)	(2200)	(1760)	(1480)	(1240)	(1080)	(960)	(880)								
		0,14	0,18	0,23	0,27	0,32	0,37	0,42	0,45								
		830	620	500	410	350	310	270	250								
		(3320)	(2480)	(2000)	(1640)	(1400)	(1240)	(1080)	(1000)								
		0,12	0,16	0,20	0,24	0,29	0,32	0,37	0,40								
TE 2-M (02)	no	n.a.	n.a.	4.5 m/s ²	1.5 m/s ²	148 min	592 min	mild steel	HSS Spiral drill 12,0 x 151	80 (320)	60 (240)	50 (200)	40 (160)	30 (120)	30 (120)	20 (80)	20 (80)
										1,25	1,67	2,00	2,50	3,33	3,33	5,00	5,00
										90	60	50	40	30	30	30	20
										(360)	(240)	(200)	(160)	(120)	(120)	(120)	(80)
										1,11	1,67	2,00	2,50	3,33	3,33	3,33	5,00
		100	70	60	50	40	30	30	30								
		(400)	(280)	(240)	(200)	(160)	(120)	(120)	(120)								
		1,00	1,43	1,67	2,00	2,50	3,33	3,33	3,33								
		110	80	60	50	40	30	30	30								
		(440)	(320)	(240)	(200)	(160)	(160)	(120)	(120)								
		0,91	1,25	1,67	2,00	2,50	2,50	3,33	3,33								
		120	90	70	60	50	40	30	30								
		(480)	(360)	(280)	(240)	(200)	(160)	(160)	(120)								
		0,83	1,11	1,43	1,67	2,00	2,50	2,50	3,33								
TE 30-A36 (02)	no	n.a.	n.a.	3 m/s ²	1.5 m/s ²	333 min	1332 min	mild steel	HSS Spiral drill 12,0 x 151	430 (1720)	320 (1280)	260 (1040)	210 (840)	180 (720)	160 (640)	140 (560)	130 (520)
										0,23	0,31	0,38	0,48	0,56	0,63	0,71	0,77
										470	350	280	230	200	170	150	140
										(1880)	(1400)	(1120)	(920)	(800)	(680)	(600)	(560)
										0,21	0,29	0,36	0,43	0,50	0,59	0,67	0,71
		520	390	310	260	220	190	170	150								
		(2080)	(1560)	(1240)	(1040)	(880)	(760)	(680)	(600)								
		0,19	0,26	0,32	0,38	0,45	0,53	0,59	0,67								
		580	430	340	290	240	210	190	170								
		(2320)	(1720)	(1360)	(1160)	(960)	(840)	(760)	(680)								
		0,17	0,23	0,29	0,34	0,42	0,48	0,53	0,59								
		650	490	390	320	280	240	210	190								
		(2600)	(1960)	(1560)	(1280)	(1120)	(960)	(840)	(760)								
		0,15	0,20	0,26	0,31	0,36	0,42	0,48	0,53								

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.



Drilling in steel
Rotary hammers

Tool	Dust removal system	Basic tool data						Productivity data						
		Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value a _{hv} *	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points per hole consumable diameter metal hole saw in mm				
										25	32	40	51	
TE 4-A22 (01)	no	n.a.	n.a.	5.5 m/s ²	1.5 m/s ²	99 min	396 min	2 mm mild steel	Metal Hole Saw	180	180	110	110	
										(720)	(720)	(440)	(440)	
										0,56	0,56	0,91	0,91	
TE 6-A36-AVR (03)	no	n.a.	n.a.	2.5 m/s ²	1.5 m/s ²	440 min	>1440 min	2 mm mild steel	Metal Hole Saw	290	290	180	180	
										(1160)	(1160)	(720)	(720)	
										0,34	0,34	0,56	0,56	
TE 2-M (02)	no	n.a.	n.a.	4.5 m/s ²	1.5 m/s ²	148 min	592 min	2 mm mild steel	Metal Hole Saw	90	90	80	80	
										(360)	(360)	(320)	(320)	
										1,11	1,11	1,25	1,25	
TE 30-A36 (02)	no	n.a.	n.a.	3 m/s ²	1.5 m/s ²	333 min	1332 min	2 mm mild steel	Metal Hole Saw	510			290	
											(2040)		(1160)	
											0,20		0,34	

* Emission sound pressure level L_{pA} and triaxial vibration value a_{hv} according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

**Drilling in concrete
Cordless drill/drivers**

Basic tool data								Productivity data				
Tool	Dust removal system	Emission Sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value a _{hv} *	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5.0 m/s ²)		
										HSE points per hole		
										Hole depth: 50 mm Drilling diameter: 8 mm	80 mm 10 mm	90 mm 12 mm
SFH 22-A (01)	no	91 dB(A)	102 dB(A)	12 m/s ²	1.5 m/s ²	21 min	84 min	Screed concrete	Masonry bit	300 (1200) 0,33	150 (600) 0,67	95 (380) 1,05
	no	91 dB(A)	102 dB(A)	12 m/s ²	1.5 m/s ²	21 min	84 min	Sand-limestone (density 2.0)	Masonry bit	360 (1440) 0,28	140 (560) 0,71	80 (320) 1,25
SFH 144-A (01)	no	91 dB(A)	102 dB(A)	12 m/s ²	1.5 m/s ²	21 min	84 min	Screed concrete	Masonry bit	330 (1320) 0,30	140 (560) 0,71	110 (440) 0,91
	no	91 dB(A)	102 dB(A)	12 m/s ²	1.5 m/s ²	21 min	84 min	Sand-limestone (density 2.0)	Masonry bit	270 (1080) 0,37	110 (440) 0,91	55 (220) 1,82
SFH 151-A (01)	no	93 dB(A)	104 dB(A)	11.8 m/s ²	1.5 m/s ²	22 min	88 min	Screed concrete	Masonry bit	250 (1000) 0,40	140 (560) 0,71	70 (280) 1,43
	no	93 dB(A)	104 dB(A)	11.8 m/s ²	1.5 m/s ²	22 min	88 min	Sand-limestone (density 2.0)	Masonry bit	330 (1320) 0,30	135 (540) 0,74	70 (280) 1,43
SFH 181-A (01)	no	91 dB(A)	102 dB(A)	13.1 m/s ²	1.5 m/s ²	17 min	68 min	Screed concrete	Masonry bit	260 (1040) 0,38	140 (560) 0,71	90 (360) 1,11
	no	91 dB(A)	102 dB(A)	13.1 m/s ²	1.5 m/s ²	17 min	68 min	Sand-limestone (density 2.0)	Masonry bit	500 (2000) 0,20	180 (720) 0,56	90 (360) 1,11

* Emission sound pressure level L_{pA} and triaxial vibration value a_{hv} according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Universal hammers

Basic tool data								Productivity data				
Tool	Dust removal system	Emission Sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value a _{hv} *	Uncertainty k	Time to EAV	Time to ELV	Work piece material of productivity data	Consumable	Number of holes to EAV 2.5 m/s ² (ELV 5.0 m/s ²)		
										HSE points per hole		
										Hole depth: 50 mm Drilling diameter: 8 mm	80 mm 10 mm	90 mm 12 mm
UH 240-A (01)	no	93 dB(A)	104 dB(A)	13.9 m/s ²	1.5 m/s ²	16 min	64 min	Screed concrete	Masonry bit	210 (840) 0,48	150 (600) 0,67	120 (480) 0,83
	no	93 dB(A)	104 dB(A)	13.9 m/s ²	1.5 m/s ²	16 min	64 min	Sand-limestone (density 2.0)	Masonry bit	370 (1480) 0,27	170 (680) 0,59	85 (340) 1,18
UH 650 (01)	no	96 dB(A)	107 dB(A)	14 m/s ²	1.5 m/s ²	15 min	60 min	Screed concrete	Masonry bit	260 (1040) 0,38	140 (560) 0,71	70 (280) 1,43
	no	96 dB(A)	107 dB(A)	14 m/s ²	1.5 m/s ²	15 min	60 min	Sand-limestone (density 2.0)	Masonry bit	280 (1120) 0,36	115 (460) 0,87	45 (180) 2,22

* Emission sound pressure level L_{pA} and triaxial vibration value a_{hv} according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Impact Fastening - Impact drivers/wrenches

Tool	Dust removal system	Basic tool data						Productivity data			
		Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value a _{hv} *	Uncertainty k	Time to EAV	Time to ELV	Work piece material of productivity data	Screw type	Number of screw settings to EAV 2.5 m/s ² (ELV 5 m/s ²)	HSE points per screw setting
SI 100 (01)	no	95 dB(A)	106 dB(A)	8.4 m/s ²	1.5 m/s ²	43 min	172 min	concrete	HUS H 12.5 (10 mm)	635 (2540)	0,16
SID 2-A12 (02)	no	72 dB(A)	83 dB(A)	1,5 m/s ²	1,5 m/s ²	>440 min	>1440 min	concrete			
SID 2-A (01)	no	92 dB(A)	103 dB(A)	16.5 m/s ²	1.5 m/s ²	11 min	44 min	steel	M12 metal screw	888 (3552)	0,11
				16.5 m/s ²	1.5 m/s ²	11 min	44 min	concrete	HUS H 7.5 screw (6 mm)	481 (1924)	0,21
SID 4-A22 (01)	no	87 dB(A)	98 dB(A)	12 m/s ²	1.5 m/s ²	21 min	83 min	steel	M12 metal screw	592 (2368)	0,17
				12 m/s ²	1.5 m/s ²	21 min	83 min	concrete	HUS H 7.5 screw (6 mm)	296 (1184)	0,34
SIW 6AT-A22 (01)	no	95 dB(A)	106 dB(A)	13.5 m/s ²	1.5 m/s ²	16 min	66 min	steel	M12 metal screw	740 (2960)	0,14
SID 8-A (01)	no	95 dB(A)	106 dB(A)	13.5 m/s ²	1.5 m/s ²	16 min	66 min	concrete			
SID/SIW 14-A (01)	no	94 dB(A)	83 dB(A)	7.5 m/s ²	1.5 m/s ²	53 min	212 min	steel	M12 metal screw	1600 (6400)	0,06
				7.5 m/s ²	1.5 m/s ²	53 min	212 min	concrete	HUS H 6 screw (6 mm)	800 (3200)	0,13
SID/SIW 22-A (01)	no	86 dB(A)	97 dB(A)	11 m/s ²	1.5 m/s ²	25 min	100 min	steel	M12 metal screw	740 (2960)	0,14
				11 m/s ²	1.5 m/s ²	25 min	100 min	concrete	HUS H 7.5 screw (6 mm)	370 (1480)	0,27
SID/SIW 121-A (01)	no	85 dB(A)	96 dB(A)	7.4 m/s ²	1.5 m/s ²	55 min	220 min	steel	M12 metal	1600 (6400)	0,06
SID/SIW 144-A (01)	no	93 dB(A)	104 dB(A)	12 m/s ²	1.5 m/s ²	21 min	84 min	steel	M12 metal	625 (2500)	0,16
				12 m/s ²	1.5 m/s ²	21 min	84 min	concrete	HUS H 7.5 (6 mm)	300 (1200)	0,33
SIW 22T-A (01)	no	97 dB(A)	108 dB(A)	14.5 m/s ²	1.5 m/s ²	14 min	56 min	steel	M20 metal	420 (1680)	0,24
				14.5 m/s ²	1.5 m/s ²	14 min	56 min	concrete	HUS H 10.5 (8 mm)	170 (680)	0,59
				14.5 m/s ²	1.5 m/s ²	14 min	56 min	concrete	HUS H 12.5 (10 mm)	110 (440)	0,91
				14.5 m/s ²	1.5 m/s ²	14 min	56 min	concrete	HUS H 16.5 (14 mm)	70 (280)	1,43
				14.5 m/s ²	1.5 m/s ²	14 min	56 min	wood	12 X wood (240 mm)	22 (88)	4,55

* Emission sound pressure level L_{pA} and triaxial vibration value a_{hv} according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Screwdrivers

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Work piece material of productivity data	Screw type	Number of screw settings to EAV 2.5 m/s ²	Number of screw settings to ELV 5 m/s ²	HSE points per screw setting
TKI 2500 (01)	no	97 dB(A)	108 dB(A)	12.3 m/s ²	1.5 m/s ²	20 min	80 min	steel	M10 metal	590	2360	0,17
				12.3 m/s ²	1.5 m/s ²	20 min	80 min	concrete	HUS H 7.5 (6 mm)	290	1160	0,34
ST 1800 (01)	no	84 dB(A)	95 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	1 mm metal sheet overlap mount 1 mm to 1 mm	S-MD 01Z 4,8 x 19	2500	10000	0,04
				2.5 m/s ²	1.5 m/s ²	480 min	>1440 min		S-MD 51Z 4,8 x 19	2100	8400	0,05
				2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	1 mm metal sheet mount on 4 mm steel beam	S-MD 03Z 5,5 x 25	800	3200	0,13
				2.5 m/s ²	1.5 m/s ²	480 min	>1440 min		S-MD 53Z 5,5 x 25	900	3600	0,11
				2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	1 mm metal sheet mount on 10 mm steel beam	S-MD 05Z 5,5 x 40	280	1120	0,36
				2.5 m/s ²	1.5 m/s ²	480 min	>1440 min		S-MD 55Z 5,5 x 45	330	1320	0,30
ST 1800-A22 (01)	no	70 dB(A)	81 dB(A)	0.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min	1 mm metal sheet overlap mount 1 mm to 1 mm	S-MD 01Z 4.8 x 19	3000	12000	0,03
				0.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min		S-MD 51Z 4.8 x 19	5200	20800	0,02
				0.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min	1 mm metal sheet mount on 4 mm steel beam	S-MD 03Z 5.5 x 25	1500	6000	0,07
				0.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min		S-MD 53Z 5.5 x 25	2700	10800	0,04
				0.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min	1 mm metal sheet mount on 10 mm steel beam	S-MD 05Z 5.5 x 40	540	2160	0,19
				0.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min		S-MD 55Z 5.5 x 45	800	3200	0,13
SD 5000 (01)	no	85 db(A)	96 db(A)	3.4 m/s ²	1.5 m/s ²	260 min	>1440 min					
SD 5000-A22 (01)	no	71 db(A)	82 db(A)	2.5 m/s ²	1.5 m/s ²	440 min	>1440 min					
SD 5000-A22 (02)	no	87 db(A)	98 db(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	12mm plasterboard + 8mm sheet metal	3,5x35 mm	41143	164571	0,00243
								12mm plasterboard + 40mm OSB board	4,0x45 mm	48000	192000	0,00208
								0,8mm sheet metal + 2mm sheet metal	4,2x13 mm	13091	52364	0,00764
								12mm plasterboard + 2mm sheet metal	6X 1 1/4"	26182	104727	0,00382
								19mm plywood + 20mm OSB board	4,0x45 mm	41143	164571	0,00243
SD 6000 (01)	no	85 dB(A)	96 dB(A)	2.8 m/s ²	1.5 m/s ²	383 min	>1440 min					

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.



Diamond coring tools

Hand-held diamond core drilling with water in non reinforced concrete

Tool	Dust removal system	Basic tool data						Productivity data									
		Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value a _{hv} *	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]							
										HSE points per hole Hole depth 100 mm							
									12	16	18	20	24	28	35	52	
DD EC 1 (01)	wet	87 dB(A)	98 dB(A)	10 m/s ²	1.5 m/s ²	30 min	120 min	concrete 40 N/mm ²	150 mm	120		110	100				
				(480)				(440)		(400)							
				17 m/s ²		10 min	40 min	concrete 40 N/mm ²	300 mm			47				28	
												(188)				(112)	
												2,13				3,57	
DD 30-W (01)	wet	87 dB(A)	98 dB(A)	6 m/s ²	1.5 m/s ²	83 min	333 min	concrete 50/60 N/mm ²	SPX-T								
				8 m/s ²					SPX-T abrasive								
DD 130 (01)	wet	89 dB(A)	100 dB(A)	5 m/s ²	1.5 m/s ²	120 min	480 min	concrete 40 N/mm ²	HWC			90					40
												(360)					(160)
												1,11					2,50
DD 150-U (01)	wet	87 dB(A)	98 dB(A)	7 m/s ²	1.5 m/s ²	61 min	244 min	concrete 40 N/mm ²	HWC 66/350								30
																	(120)
																	3,33

* Emission sound pressure level L_{pA} and triaxial vibration value a_{hv} according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Hand-held dry diamond core drilling into sand-limestone

Tool	Dust removal system	Basic tool data						Productivity data														
		Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value a _{hv} *	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]												
										HSE points per hole Hole depth 100 mm												
									20	24	28	35	52	67	68	87	102	112	122	132	152	162
DD 110-D (01)	dry, vacuum	84 dB(A)	95 dB(A)	5.8 m/s ²	1.5 m/s ²	89 min	356 min	sand-limestone, density 2.0	SC HDMU						230		200		90			20
															(920)		(800)		(360)		(80)	
														0,43		0,50		1,11			5,00	
DD 130 (01)	dry, vacuum	89 dB(A)	100 dB(A)	6 m/s ²	1.5 m/s ²	83 min	332 min	sand-limestone, density 2.0	SC HDMU						370		170		100			30
														(1480)		(680)		(400)			(120)	
														0,27		0,59		1,00			3,33	
DD 150-U (01)	dry, vacuum	87 dB(A)	98 dB(A)	6.5 m/s ²	1.6 m/s ²	71 min	284 min	sand-limestone, density 2.0	DD-B HDMU						370		170		100			30
														(1480)		(680)		(400)		(120)		
														0,27		0,59		1,00			3,33	
				14.5 m/s ²	4.5 m/s ²	14 min	56 min	sand-limestone, density 2.0	DD-B PCM						280							
														(1120)								
														0,36								

* Emission sound pressure level L_{pA} and triaxial vibration value a_{hv} according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

How to read the Tool Selector

Diamond coring

The number of holes that can be made for a particular tool given diameter, depth, work piece material and consumable in one working day before reaching the EAV and ELV (shown in brackets) are given under the productivity data. The red value is the number of HSE points per hole for the given application.



Diamond coring tools
Hand-held dry diamond socket cutting into sand-limestone

Basic tool data								Productivity data			
Tool	Dust removal system	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]	
										HSE points per hole Hole depth 60 mm	
DD 110-D (01)	dry, vacuum	84 dB(A)	95 dB(A)	5.8 m/s ²	1.5 m/s ²	89 min	356 min	sand-limestone, density 2.0	SC HDMU	68	82
				12 m/s ²	1.5 m/s ²	21 min	84 min	sand-limestone, density 2.0	SC PCM		
DD 130 (01)	dry, vacuum	89 dB(A)	100 dB(A)	6 m/s ²	1.5 m/s ²	83 min	332 min	sand-limestone, density 2.0	SC HDMU		
				11 m/s ²	2.5 m/s ²	25 min	100 min	sand-limestone, density 2.0	SC PCM		

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB.

Rig based diamond core drilling with water in non reinforced concrete (I)

Basic tool data								Productivity data									
Tool	Dust removal system	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]							
										HSE points per hole Hole depth 100 mm							
DD EC1- (DD-CR1 Rig) (01)	wet	84 dB(A)	97 dB(A)	7 m/s ²	1.5 m/s ²	61 min	244 min	concrete 40 N/mm ²	DD-C 20/150 T2	8	12	16	18	20	24	28	35
				11 m/s ²	1.5 m/s ²	25 min	100 min	concrete 40 N/mm ²	DD-C 35/300 T2								

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 61029-2-6. Uncertainty (k): noise 3dB.

Rig based diamond core drilling with water in non reinforced concrete (II)

Basic tool data								Productivity data							
Tool	Dust removal system	Emission sound pressure level L _{pA} *	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]					
										HSE points per hole Hole depth 200 mm					
DD 120 (01)	wet	89 dB(A)	102 dB(A)	2.5 m/s ²	n.a.	480 min	>1440 min	concrete 40 N/mm ²	DD BI...P2/PU	52	102	112	122	132	152
										170	130		60		40
DD 130-Rig (01)	wet	89 dB(A)	102 dB(A)	3.5 m/s ²	n.a.	245 min	980 min	concrete 40 N/mm ²	DD BI...P2/P130	290	80		70		30
										(1160)	(320)		(280)		(120)

* Emission sound pressure level L_{pA} and triaxial vibration value ahv according to the relevant European Standard EN 61029-2-6. Uncertainty (k): noise 3dB.

Diamond coring tools

Rig based diamond core drilling with water in non reinforced concrete (III)

Tool	Dust removal system	Basic tool data						Productivity data											
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]									
										HSE points per hole Hole depth 200 mm									
									35	52	82	102	112	132	152	162	202		
DD 150-U-Rig*** (01)	wet	93 dB(A)	104 dB(A)	3.5 m/s ²	1.5 m/s ²	245 min	980 min	concrete 40 N/mm ²	DD-BI 102/430 P130	270 (408) 0,37									
									DD-BI 132/430 P130				95 (380) 1,05						
									DD-BI 162/320 PU									105 (420) 0,95	
DD 150-U-Rig*** (02)	wet	93 dB(A)	106 dB(A)	3.5 m/s ²	1.5 m/s ²	245 min	980 min	concrete 40 N/mm ²	DD-BI 102/430 P130	269 (1078) 0,37									
									DD-BI 132/430 P130				96 (382) 1,04						
									DD-BI 162/320 PU								105 (421) 0,95		
DD 160 (02)	wet	93 dB(A)	106 dB(A)	4 m/s ²	1.5 m/s ²	188 min	752 min	concrete 40 N/mm ²	DD-BI 35/430 P4	700 (2800) 0,14									
									DD-BI 82/430 P				270 (1080) 0,37						
									DD-BI 152/430 P130							54 (216) 1,85			
									DD-BI 202/430 P2								90 (360) 1,11		
DD 200 (01)	wet	92 dB(A)	105 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	concrete 40 N/mm ²	DD-BL 112/500 H2	390 (1560) 0,26									
									DD-BL 202/500 H2								90 (360) 1,11		
DD 200 (02)	wet	92 dB(A)	105 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	concrete 50/60 N/mm ²	DD-X 52 SPX-H	182 (730) 0,55									
									DD-X 152 SPX-H							103 (413) 0,97			
DD 250 (01)	wet	93 dB(A)	109 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	concrete 50/60 N/mm ²	DD-X 52 SPX-H	182 (730) 0,55									
									DD-X 152 SPX-H							103 (413) 0,97			

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 61029-2-6. Uncertainty (k): noise 3dB.

** Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 12348. Uncertainty (k) for sound pressure level LpA 4 dB(A). Uncertainty (k) for sound power level 2.5 dB(A).

*** Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745 or EN62841-2-X.

Diamond coring tools

Rig based diamond core drilling with water in non reinforced concrete (III)

Tool	Dust removal system	Basic tool data						Productivity data											
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Core bit length or type	Number of holes to EAV 2.5 m/s ² (ELV 5 m/s ²) for coring diameter [mm]									
										HSE points per hole Hole depth 200 mm									
									35	52	82	102	112	132	152	162	202		
DD 350 (01)	wet	95 dB(A)	108 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	concrete 40 N/mm ²	DD-BL 112/500 H2	1100									
										(4400)									
									DD-BL 202/500 H2										290
																			(1160)
																			0,34
DD 350 - CA (01)	wet	95 dB(A)	108 dB(A)	<2.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min	concrete 40 N/mm ²											
DD 500-Rig** (01)	wet	100 dB(A)	115 dB(A)	4.5 m/s ²	1.5 m/s ²	148 min	592 min	concrete 40 N/mm ²	DD BL 112/500 HX2S	700									
										(2800)									
									DD BL 202/500 HX2S										300
																			(1200)
																			0,33
DD 500-Rig**- CA (01)	wet	100 dB(A)	115 dB(A)	<2.5 m/s ²	1.5 m/s ²	>1440 min	>1440 min	concrete 40 N/mm ²											

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 61029-2-6. Uncertainty (k): noise 3dB.

** Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 12348. Uncertainty (k) for sound pressure level LpA 4 dB(A). Uncertainty (k) for sound power level 2.5 dB(A).

*** Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745 or EN62841-2-X.



Diamond grinding tools
Diamond grinding (minerals)

Basic tool data								Productivity data			
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Abrasion power to EAV 2,5 m/s ² (ELV 5m/s ²)		
									HSE Points per cm ³		
									EAV	ELV	
DG 150 (01)	integrated	88 dB(A)	99 dB(A)	5.8 m/s ²	1.5 m/s ²	89 min	356 min	concrete 40 N/mm ³	4806 cm ³		19224 cm ³

*Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-X or EN62841-2-X.

Diamond grinding tools

Basic tool data								Productivity data			
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Work piece material of productivity data	Abrasion power to EAV 2,5 m/s ² (ELV 5m/s ²)		
									HSE Points per Kg		
									EAV	ELV	HSE Points
DGH 130 (01)	integrated	106 dB(A)	117 dB(A)	5.1 m/s ²	1.5 m/s ²	115 min	461 min	concrete block type C	26 kg	103 kg	3.9 Points per kg

Diamond cutting tools - cutting

Tool	Dust removal available	Basic tool data						Productivity data				
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Cutting Wheel	Application & Work piece material of productivity data	Meters / cuts till EAV 2.5 m/s ²	Meters till ELV 5 m/s ²	HSE Points
DCH 230 (01)	integrated	102.5 dB(A)	113.5 dB(A)	4.7 m/s ²	1.5 m/s ²	136 min	544 min	DC-D 230 C1	cutting off 50 mm concrete pavement slabs (5 cm x 40 cm slab)	70m	280m	1,43
DCH 300 (01)	integrated	106 dB(A)	117 dB(A)	5.1 m/s ²	1.5 m/s ²	115 min	460 min	DCH-D 305-C1	cutting off 50 mm concrete pavement slabs (5 cm x 40 cm slab)	61m	244m	1,64
DCH 300-X (01)	?	106 dB(A)	117 dB(A)	5.1 m/s ²	1.5 m/s ²	115 min	461 min	DCH-D 305-C1	cutting off 50 mm concrete pavement slabs (5 cm x 40 cm slab)	61 m	245 m	1.64 points / m
DSH 600 (-X) (01)	Water suppression	102 dB(A)	115 dB(A)	2,5 m/s ²	1,5 m/s ²	480 min	1920 min	SPX Universal	cutting off 50/60 mm concrete pavement slabs	271 cuts	1084 cuts	0,37
DSH 700 (-X) (30 cm/12") (01)	Water suppression	99 dB(A)	108 dB(A)	4,7 m/s ²	1,5 m/s ²	148 min	593 min	SPX Universal	cutting off 50/60 mm concrete pavement slabs	90 cuts	370 cuts	1,11
DSH 900-X (35 cm/14") (01)	Water suppression	102 dB(A)	112 dB(A)	front 6.3 m/s ² rear 6.2 m/s ²	1.5 m/s ²	76 min	302 min	SPX Universal	cutting off 50/60 mm concrete pavement slabs			
DSH 900-X (40 cm/16") (01)	Water suppression	102 dB(A)	112 dB(A)	front 5.2 m/s ² rear 4.5 m/s ²	1.5 m/s ²	111 min	444 min	SP Universal EQD SPX Silent Asphalt AC-D GS	cutting off 50/60 mm concrete pavement slabs			

* Emission sound pressure level LpA and triaxial vibration value ahv according to EN 60745-2-x or EN62841-2-X (Uncertainty (k): noise 3 dB(A), vibration 1,52,7 m/s² , depending on tool and application).

Diamond cutting tools
Wall chasing / slitting

Tool	Dust removal available	Basic tool data						Productivity data				
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Cutting Wheel	Application & Work piece material of productivity data	Meters till EAV 2.5 m/s ²	Meters till ELV 5 m/s ²	HSE Points
DC-SE 20 (01)	integrated	100 dB(A)	111 dB(A)	4.5 m/s ²	1.5 m/s ²	148 min	592 min	DC-D 125-SE M1	wall chasing 30 mm deep in sand-limestone	25,5	101	3,92
								DC-D 125-SE C1	wall chasing 30 mm deep in 40 N/mm ² concrete	86	344	1,16
DSH 700 30 (01)	Water suppression	99 dB(A)	110 dB(A)	4.5 m/s ²	2.4 m/s ²	148 min	592 min	DC-D 300/3.2/20 C1	cutting grooves 45 mm deep in 40 N/mm ² concrete	60	240	1,67
								DC-D 300/3.2/20 C1	cutting grooves 90 mm deep in sand-limestone (density 2.1)	110	440	0,91
								DC-D 300/3.2/20 C1	cutting 5 cm x 40 cm concrete pavement slab	135	540	0,74
DCH 180 SL (01)	integrated	106 dB(A)	117 dB(A)	5.6 m/s ²	1.7 m/s ²	96 min	384 min	DCH-D 185-SE M1	wall chasing 45 mm deep in sand-limestone	78,5	316	1,27
								DCH-D 185-SE C1	wall chasing 45 mm deep in 40 N/mm ² concrete	32	128	3,13
DCH 300 (01)	integrated	106 dB(A)	117 dB(A)	8 m/s ²	1.5 m/s ²	115 min	460 min	DCH-D 305-C1	cutting grooves 45 mm deep in 40 N/mm ² concrete	48	192	2,08
								DCH-D 305-M1	cutting grooves 45 mm deep in sand-limestone (density 2.0)	32	128	3,13
								DCH-D 305-M1	cutting grooves 90 mm deep in sand- limestone (density 2.0)	26	104	3,85
DCH 230 (01)	integrated	102.5 dB(A)	113.5 dB(A)	6.5 m/s ²	1.5 m/s ²	n/a	n/a	DC-D 230 C1	cutting grooves 45 mm deep in 40 N/mm ² concrete	58	232	1,72
								DC-D 230-M1	cutting grooves 50 mm deep in sand-limestone (density 2.1)	109	436	0,92

* Emission sound pressure level LpA and triaxial vibration value ahv according to EN 60745-2-x or EN62841-2-X (Uncertainty (k): noise 3 dB(A), vibration 1,52,7 m/s² , depending on tool and application).

Angle grinders

Grinding steel

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Metres till EAV 2.5 m/s ²	Metres till ELV 5 m/s ²	HSE Points
AG 125-S (01)	n/a	88 dB(A)	99 dB(A)	5.2 m/s ²	1.5 m/s ²	111 min	444 min	AG-D 125 USP 6,4	grinding 5x5 mm chamfer (12.5 mm ² on mild steel)	21	84	4,76
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4.6 m/s ²	1.5 m/s ²	142 min	568 min	AG-D 125 USP 6,4	grinding 5x5 mm chamfer (12.5 mm ² on mild steel)	28	112	3,57
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1.5 m/s ²	61 min	244 min	AG-D 125 USP 6,4	grinding 5x5 mm chamfer (12.5 mm ² on mild steel)	46	184	2,17
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5.7 m/s ²	1.5 m/s ²	92 min	368 min	AG-D 125 USP 6,4	grinding 5x5 mm chamfer (12.5 mm ² on mild steel)	50	200	2,00
AG 125-15DB (04)	DC-EX	91 dB(A)	102 dB(A)	4.4 m/s ²	1.5 m/s ²	155 min	620 min					
AG 125-19SE (04)	DC-EX	92 dB(A)	103 dB(A)	4.9 m/s ²	1.5 m/s ²	125 min	500 min					
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5.8 m/s ²	1.5 m/s ²	89 min	356 min	AG-D 230 USP 6,4	grinding 5x5 mm chamfer (12.5 mm ² on mild steel)	11	44	9,09
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1.5 m/s ²	120 min	480 min	AG-D 230 USP 6,4	grinding 5x5 mm chamfer (12.5 mm ² on mild steel)	61	244	1,64

* Emission sound pressure level LpA and triaxial vibration value ahv according to EN 60745-2-x (Uncertainty (k): noise 3 dB(A)).

Cutting minerals

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Metres till EAV 2.5 m/s ²	Metres till ELV 5 m/s ²	HSE Points
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1.5 m/s ²	120 min	480 min	DC-D 230-C1	cutting off 50 mm concrete slabs	61	244	1,64
								DC-D 230-C1	cutting grooves 30 mm deep in 40 N/mm ² concrete	54	216	1,85
								DC-D 230-C1	cutting grooves 45 mm deep in sand-limestone	71	284	1,41
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1.5 m/s ²	120 min	480 min	DC-D 230-C1	cutting off 50 mm concrete slabs	79	316	1,27
								DC-D 230-C1	cutting grooves 30 mm deep in 40 N/mm ² concrete	60	240	1,67
								DC-D 230-C1	cutting grooves 45 mm deep in sand-limestone	117	468	0,85
DCG 230-DB (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1.5 m/s ²	120 min	480 min	DC-D 230-C1	cutting off 50 mm concrete slabs	70	280	1,43
								DC-D 230-C1	cutting grooves 30 mm deep in 40 N/mm ² concrete	80	320	1,25
								DC-D 230-C1	cutting grooves 45 mm deep in sand-limestone	108	432	0,93

* Emission sound pressure level LpA and triaxial vibration value ahv according to EN 60745-2-x or EN62841-2-X (Uncertainty (k): noise 3 dB(A), vibration n.a.).

Steel cutting tools
Cutting rebar

Tool	Dust removal available	Basic tool data						Productivity data							
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s2 (ELV 5 m/s2)						
							HSE Points								
					10	12	15	20	25						
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 2.5mm USP	1860	1150	610	380			
									(7440)	(4600)	(2440)	(1520)	0,05	0,09	0,16
								AC-D 230 1.8mm Inox	1950	1220	660	420			
									(7800)	(4880)	(2640)	(1680)	0,05	0,08	0,15
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	1140	760	480	260	170		
									(4560)	(3040)	(1920)	(1040)	(680)	0,09	0,13
								AC-D 125 2,5mm USP	450	300	190	100	70		
									(1800)	(1200)	(760)	(400)	(280)	0,22	0,33
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox	3790	2200	1070	640			
									(15160)	(8800)	(4280)	(2560)	0,03	0,05	0,09
								AC-D 230 2,5mm USP	3860	2170	1010	580			
									(15440)	(8680)	(4040)	(2320)	0,03	0,05	0,10
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox	1490	1060	720	430	300		
									(5960)	(4240)	(2880)	(1720)	(1200)	0,07	0,09
								AC-D 125 2,5mm USP	620	410	260	140	90		
									(2480)	(1640)	(1040)	(560)	(360)	0,16	0,24
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox	3400	2080	1080	680			
									(13600)	(8320)	(4320)	(2720)	0,03	0,05	0,09
								AC-D 230 2,5mm USP	1480	1550	840	540			
									(5920)	(6200)	(3360)	(2160)	0,07	0,06	0,12
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox	1340	890	560	300	200		
									(5360)	(3560)	(2240)	(1200)	(800)	0,07	0,11
								AC-D 125 2,5mm USP	430	280	170	90	60		
									(1720)	(1120)	(680)	(360)	(240)	0,23	0,36

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Steel cutting tools
Cutting rebar

Tool	Dust removal available	Basic tool data						Productivity data	
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points Diameter 16mm
AG 115-D/-S (03)	n/a	92 dB(A)	103 dB(A)	6,5 m/s ²	1,5 m/s ²	71 min	288 min	AC-D SPX 115x1.0mm	940 (3760) 0,11
AG 125-13S (04)	DC-EX	92 dB(A)	103 dB(A)	4,9 m/s ²	1,5 m/s ²	125 min	500 min	AC-D SPX 125x1.0mm	1785 (7140) 0,06
AG 125-15DB (04)	DC-EX	91 dB(A)	102 dB(A)	4,4 m/s ²	1,5 m/s ²	155 min	620 min	AC-D SPX 125x1.0mm	2319 (9276) 0,04
AG 125-19SE (04)	DC-EX	92 dB(A)	103 dB(A)	4,9 m/s ²	1,5 m/s ²	125 min	500 min	AC-D SPX 125x1.0mm	2179 (8716) 0,05

									Diameter 26mm
AG 180-20P (03)	n/a	97 dB(A)	108 dB(A)	6,2 m/s ²	1,5 m/s ²	78 min	312 min	AC-D SPX 180x1.5mm	311 (1244) 0,32
AG 230-24D (04)	DC-EX	94 dB(A)	105 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	357 min	AC-D SPX230x1.8mm	395 (1580) 0,25
AG 230-27DB (04)	DC-EX	90 dB(A)	101 dB(A)	6,3 m/s ²	1,5 m/s ²	76 min	302 min	AC-D SPX230x1.8mm	346 (1384) 0,29

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

									Diameter 26mm
AG 125-A22 (02)	DC-EX	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	831 min	AC-D SPX 125x1.0mm	656 (2624) 0,15
AG 125-A36 (01)	DC-EX	80 dB(A)	91 dB(A)	3,2 m/s ²	1,5 m/s ²	293 min	1172 min	AC-D SPX 125x1.0mm	1172 (4688) 0,09



Steel cutting tools
Cutting channel installation systems

Tool	Dust removal available	Basic tool data						Productivity data			
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts through channel to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points		
		MQ 21/2	MQ 41/2	MQ 41/3							
AG 125-A22 (01)	DC-EX	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm	1440 (5760) 0,07		
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 1.8 Inox	1210 (4840) 0,08	820 (3280) 0,12	550 (2200) 0,18
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	470 (1880) 0,21	320 (1280) 0,31	220 (880) 0,45
								AC-D 125 2,5mm USP	190 (760) 0,53	130 (520) 0,77	90 (360) 1,11
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox	2790 (11160) 0,04	1390 (5560) 0,07	870 (3480) 0,11
								AC-D 230 2,5mm USP	2150 (8600) 0,05	1330 (5320) 0,08	810 (3240) 0,12
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox	720 (2880) 0,14	520 (2080) 0,19	370 (1480) 0,27
								AC-D 125 2,5mm USP	260 (1040) 0,38	180 (720) 0,56	120 (480) 0,83
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox	2060 (8240) 0,05	1370 (5480) 0,07	900 (3600) 0,11
								AC-D 230 2,5mm USP	1540 (6160) 0,06	1040 (4160) 0,10	700 (2800) 0,14
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox	560 (2240) 0,18	380 (1520) 0,26	250 (1000) 0,40
								AC-D 125 2,5mm USP	170 (680) 0,59	120 (480) 0,83	80 (320) 1,25

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB



Steel cutting tools
Cutting steel bars (square)

Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Productivity data					
									Square steel					
									Number of cuts through dimensions [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)					
					HSE Points									
					13	20	25	30	40					
AG 125-A22 (01)	DC-EX	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm	1590					
									(6360)					
									0,06					
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 2.5mm USP	1200	470	290	190	100	
									(4800)	(1880)	(1160)	(760)	(400)	
									0,08	0,21	0,34	0,53	1,00	
								AC-D 230 1,8mm Inox	1400	540			110	
									(5600)	(2160)			(440)	
									0,07	0,19			0,91	
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	550	215				
									(2200)	(860)				
									0,18	0,47				
								AC-D 125 2,5mm USP	220	80				
									(880)	(320)				
									0,45	1,25				
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 2,5mm USP	2570	790			110	
									(10280)	(3160)			(440)	
									0,04	0,13			0,91	
								AC-D 230 1,8mm Inox	2580	850			140	
									(10320)	(3400)			(560)	
									0,04	0,12			0,71	
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 2,5mm USP	300	120				
									(1200)	(480)				
									0,33	0,83				
								AC-D 125 1,5mm Inox	810	370				
									(3240)	(1480)				
									0,12	0,27				
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 2,5mm USP	1780	680			140	
									(7120)	(2720)			(560)	
									0,06	0,15			0,71	
								AC-D 230 1,8mm Inox	2400	870			170	
									(9600)	(3480)			(680)	
									0,04	0,11			0,59	
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 2,5mm USP	200	70				
									(800)	(280)				
									0,50	1,43				
								AC-D 125 1,5mm Inox	640	250				
									(2560)	(1000)				
									0,16	0,40				

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB



Steel cutting tools
Cutting steel bars (flat)

Basic tool data								Productivity data				
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Flat steel Number of cuts through dimensions [mm] to EAV 2.5 m/s2 (ELV 5 m/s2) HSE Points			
									10 x 50	20 x 60	30 x 60	30 x 80
AG 125-A22 (01)	DC-EX	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm	630			
									(2520)			
									0,16			
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 2.5mm USP	370	140	90	65
									(1480)	(560)	(360)	(260)
								0,27	0,71	1,11	1,54	
								AC-D 230 1,8mm Inox	420			70
(1680)			(280)									
0,24			1,43									
DAG 115-S (02)	n/a	86 dB(A)	97 dB(A)	7,5 m/s ²	1,5 m/s ²	53 min	212 min	AC-D 115 1,0mm Inox USP	370	140		
									(1480)	(560)		
								0,27	0,71			
								AC-D 115 2,5mm USP	90			
(360)												
1,11												
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	170			
									(680)			
								0,59				
								AC-D 125 2,5mm USP	70	30		
(280)	(120)											
1,43	3,33											
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 2,5mm USP	590			60
									(2360)			(240)
								0,17			1,67	
								AC-D 230 1,8mm Inox	650			80
(2600)			(320)									
0,15			1,25									
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 2,5mm USP	540			100
									(2160)			(400)
								0,19			1,00	
								AC-D 230 1,8mm Inox	680			90
(2720)			(360)									
0,15			1,11									

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Steel cutting tools - Cutting cable trays

Basic tool data								Productivity data						
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)					
									HSE Points					
								50mm	100mm	150mm	225mm	300mm	600mm	
AG 125-A22 (01)	DC-EX	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm						
									980					
									(3920)					
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 1,8mm Inox USP	1590	1120	1340	820	740	350
									(6360)	(4480)	(5360)	(3280)	(2960)	(1400)
									0,06	0,09	0,07	0,12	0,14	0,29
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	620	440	520	320	290	155
									(2480)	(1760)	(2080)	(1280)	(1160)	(620)
									0,16	0,23	0,19	0,31	0,34	0,65
								AC-D 125 2,5mm USP	250	170	210	130	120	60
									(1000)	(680)	(840)	(520)	(480)	(240)
									0,40	0,59	0,48	0,77	0,83	1,67
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	3000	2000	2450	1380	1230	520
									(12000)	(8000)	(9800)	(5520)	(4920)	(2080)
									0,03	0,05	0,04	0,07	0,08	0,19
								AC-D 230 2,5mm USP	3000	1950	2420	1320	1160	470
									(12000)	(7800)	(9680)	(5280)	(4640)	(1880)
									0,03	0,05	0,04	0,08	0,09	0,21
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP	890	670	780	520	480	240
									(3560)	(2680)	(3120)	(2080)	(1920)	(960)
									0,11	0,15	0,13	0,19	0,21	0,42
								AC-D 125 2,5mm USP	340	240	290	180	160	85
									(1360)	(960)	(1160)	(720)	(640)	(340)
									0,29	0,42	0,34	0,56	0,63	1,18
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	2740	1900	2290	1360	1220	560
									(10960)	(7600)	(9160)	(5440)	(4880)	(2240)
									0,04	0,05	0,04	0,07	0,08	0,18
								AC-D 230 2,5mm USP	2020	1420	1700	1040	940	450
									(8080)	(5680)	(6800)	(4160)	(3760)	(1800)
									0,05	0,07	0,06	0,10	0,11	0,22
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	730	510	610	370	340	185
									(2920)	(2040)	(2440)	(1480)	(1360)	(740)
									0,14	0,20	0,16	0,27	0,29	0,54
								AC-D 125 2,5mm USP	230	160	190	120	100	55
									(920)	(640)	(760)	(480)	(400)	(220)
									0,43	0,63	0,53	0,83	1,00	1,82

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Steel cutting tools
Cutting sheet steel metal

Basic tool data								Productivity data		
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²) HSE Points	
AG 125-A22 (01)	DC-EX	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm	steel sheet metal (400mm x 1,4mm)	
									580	
									(2320)	
								0,17		

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Circular sawing metal

Basic tool data								Productivity data			
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material HSE Points	Metres till EAV 2.5 m/s ²	Metres till EAV 5 m/s ²
SCM 22-A (01)	n/a	77 dB(A)	88 dB(A)	1.2 m/s ²	1.5 m/s ²	>1440	>1440 min	all, Quick, Multi, Qualicut	Cutting off 3 mm sheet metal	2500 0.04	10000

* Emission sound pressure level LpA and triaxial vibration value ahv according to European Standard EN 60745-2-x or EN62841-2-X (Uncertainty (k): noise 3 dB(A)).



Steel cutting tools
Cutting round steel bars

Tool	Dust removal available	Basic tool data						Productivity data						
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)					
									HSE Points					
								10mm	12mm	15mm	20mm	30mm	40mm	
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 2,5mm USP	2770 (11080)	1860 (7440)		61 (244)	250 (1000)	130 (520)
									0,04	0,05	1,64	0,40	0,77	
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 230 1,8mm Inox USP		2180 (8720)	1320 (5280)			
									0,05	0,08				
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP		840 (3360)	520 (2080)			
									0,12	0,19				
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 125 2,5mm USP		330 (1320)	210 (840)			
									0,30	0,48				
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP		4320 (17280)	2410 (9640)			
									0,02	0,04				
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 230 2,5mm USP		4440 (17760)	2390 (9560)			
									0,02	0,04				
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP		1160 (4640)	770 (3080)			
									0,09	0,13				
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 125 2,5mm USP		460 (1840)	290 (1160)			
									0,22	0,34				
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP		3830 (15320)	2260 (9040)			
									0,03	0,04				
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 230 2,5mm USP		2770 (11080)	1680 (6720)			
									0,04	0,06				
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP		990 (3960)	600 (2400)			
									0,10	0,17				
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 2,5mm USP		320 (1280)	190 (760)			
									0,31	0,53				

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB



Steel cutting tools
Cutting steel pipes

Basic tool data								Productivity data			
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts through diameter [mm] to EAV 2.5 m/s2 (ELV 5 m/s2)		
									HSE points		
									1" steel pipe diameter: 33.8 mm thickness: 2.8 mm	2" steel pipe diameter: 60.4 mm thickness: 2.8 mm	3" steel pipe diameter: 89 mm thickness: 2.8 mm
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 2.5mm USP	710 (2840) 0,14	360 (1440) 0,28	
								AC-D 230 1,8mm Inox	880 (3520) 0,11	390 (1560) 0,26	
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	350 (1400) 0,29	160 (640) 0,63	
								AC-D 125 2,5mm USP	140 (560) 0,71	60 (240) 1,67	
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 2.5mm USP	1440 (5760) 0,07	530 (2120) 0,19	270 (1080) 0,37
								AC-D 230 1,8mm Inox	1550 (6200) 0,06	590 (2360) 0,17	310 (1240) 0,32
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 230 1.8mm Inox	550 (2200) 0,18	280 (1120) 0,36	
								AC-D 230 2.5mm USP	190 (760) 0,53	90 (360) 1,11	
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1.8mm Inox	1470 (5880) 0,07	630 (2520) 0,16	350 (1400) 0,29
								AC-D 230 2.5mm USP	1120 (4480) 0,09	500 (2000) 0,20	290 (1160) 0,34
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1.5mm Inox	400 (1600) 0,25	180 (720) 0,56	
								AC-D 125 2.5mm USP	120 (480) 0,83	60 (240) 1,67	

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Steel cutting tools
Cutting rods - M10

Tool	Dust removal available	Basic tool data						Cutting Wheel	Productivity data	
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV		Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)	
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP	1340 (5360) 0,07	
								AC-D 125 2,5mm USP	1080 (4320) 0,09	
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	2340 (9360) 0,04	
								AC-D 125 2,5mm USP	760 (3040) 0,13	
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	1980 (7920) 0,05	
								AC-D 125 2,5mm USP	770 (3080) 0,13	

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x. Uncertainty (k): noise 3dB

Cutting pipes

Tool	Dust removal available	Basic tool data						Cutting Wheel	Productivity data	
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV		Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)	
									HSE Points	
									Pipe OD 42,4 x 2	Pipe OD 42,4 x 3.25
DAG 115-S (02)	n/a	86 dB(A)	97 dB(A)	7,5 m/s ²	1,5 m/s ²	53 min	212 min	AC-D 115 2,5mm USP	200 (800) 0,50	110 (440) 0,91
									350 (1400) 0,29	210 (840) 0,48
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	1450 (5800) 0,07	780 (3120) 0,13
									880 (3520) 0,11	530 (2120) 0,19
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP	550 (2200) 0,18	360 (1440) 0,28
								AC-D 125 2,5mm USP	190 (760) 0,53	110 (440) 0,91
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 2,5mm USP	1120 (4480) 0,09	670 (2680) 0,15
									400 (1600) 0,25	250 (1000) 0,40
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	130 (520) 0,77	70 (280) 1,43
								AC-D 125 2,5mm USP		

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Steel cutting tools
Cutting pipes

Basic tool data								Productivity data		
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)	
									HSE Points	
								13mm steel pipe (Ø 13.1 x 1.2mm)	22 mm steel pipe (Ø22.2 x 1.2mm)	
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	2320 (9280)	1250 5000
									0,04	0,08
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP	900 (3600)	490 (1960)
									0,11	0,20
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	2700 (10800)	1610 (6440)
									0,04	0,06
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 2,5mm USP	1270 (5080)	690 (2760)
									0,08	0,14
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	2740 (10960)	1480 (5920)
									0,04	0,07
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 2,5mm USP	900 (3600)	470 (1880)
									0,11	0,21

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x. Uncertainty (k): noise 3dB

Cutting C-Rails

Basic tool data								Productivity data		
Tool	Dust removal available	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)	
									HSE Points	
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 1,8mm Inox USP	1060 (4240)	0,09
DAG 115-S (02)	n/a	86 dB(A)	97 dB(A)	7,5 m/s ²	1,5 m/s ²	53 min	212 min	AC-D 115 2,5mm USP	250 (1000)	0,40
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 1 125 1,5mm Inox USP	420 (1680)	0,24
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	1880 (7520)	0,05
								AC-D 230 2,5mm USP	1830 (7320)	0,05
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP	640 (2560)	0,16
								AC-D 125 2,5mm USP	230 (920)	0,43
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	1800 (7200)	0,06
								AC-D 230 2,5mm USP	1350 (5400)	0,07
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	490 (1960)	0,20
								AC-D 125 2,5mm USP	150 (600)	0,67

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB



Steel cutting tools
Cutting ducts

Tool	Dust removal available	Emission sound pressure level LpA*	Basic tool data					Productivity data			
			Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m)		
			HSE Points	100 mm Ø duct x 0.5mm w.t.	200 mm Ø duct x 0.6mm w.t.	355 mm Ø duct x 0.8mm w.t.					
AG 125-A22 (01)	yes	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm	1190 (4760) 0,08		
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	1230 (4920) 0,08	280 (1120) 0,36	100 (400) 1,00
								AC-D 125 2,5mm USP	480 (1920) 0,21	110 (440) 0,91	35 (140) 2,86
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	6750 (27000) 0,01	1150 (4600) 0,09	255 (1020) 0,39
								AC-D 230 2,5mm USP	7100 (28400) 0,01	1100 (4400) 0,09	220 (880) 0,45
DC 230-S (01)	n/a	92 dB(A)	103 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	356 min	AC-D 230 1,8mm Inox USP	3200 (12800) 0,03	700 (2800) 0,14	190 (760) 0,53
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 2,5mm USP	670 (2680) 0,15	150 (600) 0,67	45 (180) 2,22
								AC-D 125 1,5mm Inox USP	1590 (6360) 0,06	460 (1840) 0,22	140 (560) 0,71
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	5750 (23000) 0,02	1150 (4600) 0,09	295 (1180) 0,34
								AC-D 230 2,5mm USP	4050 (16200) 0,02	900 (3600) 0,11	240 (960) 0,42
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 2,5mm USP	450 (1800) 0,22	100 (400) 1,00	30 (120) 3,33
								AC-D 125 1,5mm Inox USP	1450 (5800) 0,07	325 (1300) 0,31	100 (400) 1,00

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Cutting pipes

Tool	Dust removal available	Emission sound pressure level LpA*	Basic tool data					Productivity data			
			Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Number of cuts for diameter [mm] to EAV 2.5 m/s ² (ELV 5 m/s ²)		
			HSE Points	steel pipe 17.2x1.8mm EN 10216-1	steel pipe 21.3x2.0mm EN 10216-1	steel pipe 33.7x2.6mm EN 10216-1					
AG 125-A22 (01)	yes	83 dB(A)	94 dB(A)	3,8 m/s ²	1,5 m/s ²	208 min	832 min	AC-D 125 Inox USP 1.0mm	2800 (11200) 0,04	2100 (8400) 0,05	1130 (4520) 0,09

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB



Steel cutting tools - Cutting sheet metal decking *Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Basic tool data								Productivity data		
Tool	Dust removal available	Emission sound pressure Level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty K	Time to EAV	Time to ELV	Cutting Wheel	Work piece material of productivity data	Number of cuts for diameter [mm] to EAV 2.5 m/s2 (ELV 5 m/s2) HSE points
DAG 115-S (02)	n/a	86 dB(A)	97dB(A)	7,5 m/s ²	1,5 m/s ²	53 min	212 min	AC-D 115 2,5mm USP	Structural metal decking 1.2mm thick cut along deck 1m	45 (180) 2,22
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	35 (140) 2,86
DAG 125-S (01)	n/a	87 dB(A)	98 dB(A)	4,6 m/s ²	1,5 m/s ²	142 min	568 min	AC-D 125 1,5mm Inox USP	Structural metal decking 1.2mm thick cut along deck 1m	75 (300) 1,33
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	55 (220) 1,82
DAG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox	Structural metal decking 1.2mm thick cut along deck 1m	340 (1360) 0,29
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	260 (1040) 0,38
								AC-D 230 2,5mm USP	Structural metal decking 1.2mm thick cut along deck 1m	330 (1320) 0,30
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	255 (1020) 0,39
DCG 125-S (01)	n/a	90 dB(A)	101 dB(A)	5,7 m/s ²	1,5 m/s ²	92 min	368 min	AC-D 125 1,5mm Inox USP	Structural metal decking 1.2mm thick cut along deck 1m	115 (460) 0,87
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	85 (340) 1,18
								AC-D 125 2,5mm USP	Structural metal decking 1.2mm thick cut along deck 1m	40 (160) 2,50
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	30 (120) 3,33
DCG 230-D (01)	n/a	90 dB(A)	101 dB(A)	5,0 m/s ²	1,5 m/s ²	120 min	480 min	AC-D 230 1,8mm Inox USP	Structural metal decking 1.2mm thick cut along deck 1m	325 (1300) 0,31
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	250 (1000) 0,40
								AC-D 230 2,5mm USP	Structural metal decking 1.2mm thick cut along deck 1m	240 (960) 0,42
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	190 (760) 0,53
DEG 125-D (01)	n/a	89 dB(A)	100 dB(A)	7 m/s ²	1,5 m/s ²	61 min	244 min	AC-D 125 1,5mm Inox USP	Structural metal decking 1.2mm thick cut along deck 1m	85 (340) 1,18
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	65 (260) 1,54
								AC-D 125 2,5mm USP	Structural metal decking 1.2mm thick cut along deck 1m	25 (100) 4,00
									Structural metal decking 1.2mm thick cut across 60mm width, "Comflor 51"&"Metfloor 51"	20 (80) 5,00



Direct fastening tools

Cartridge tool	Cartridge color	Vibration		HSE Points	Noise Workplace relevant emission value L _{pA*,1s}
		Recommended number of fastenings per day			
		EAV 2.5 m/s ²	ELV 5 m/s ²		
DX 351	white	2100	8400	0,05	101 dB(A)
	green	1900	7600	0,05	
	yellow	1100	4400	0,09	
	red	800	3200	0,13	
DX 460	green	1300	5200	0,08	101 dB(A)
	yellow	1000	4000	0,10	
	red	800	3200	0,13	
	black	600	2400	0,17	
DX 76	blue	700	2800	0,14	110 dB(A)
	red	600	2400	0,17	
	black	400	1600	0,25	

* Sound pressure level L_{pA, 1s} measured at user's ear according to standard EN 12549. Wear ear plugs according to operating instructions.

Cartridge tool	Cartridge color	Vibration		HSE Points	Noise Workplace relevant emission value L _{pA*,1s}
		Recommended number of fastenings per day			
		EAV 2.5 m/s ²	ELV 5 m/s ²		
DX 9	blue	9600 (recommended)	38400 (recommended)	0,01	
	red	9600 (recommended)	38400 (recommended)	0,01	
	black	9600 (recommended)	38400 (recommended)	0,01	
DX 860 ENP	blue	3500	1400	0,03	106 dB(A)
	red	2600	10400	0,04	
	black	1800	7200	0,06	
DX 860 HSN	yellow	5600	22400	0,02	100 dB(A)
	red	5500	22000	0,02	
	black	3000	12000	0,03	
DX E72	brown	1000	4000	0,10	109 dB(A)
	green	900	3600	0,11	
	yellow	700	2800	0,14	
DX 2	green	600	2400	0,17	104 dB(A)
	yellow	500	2000	0,20	
	red	500	2000	0,20	
DX 5 (01)	green	1300	5100	0,08	101 dB(A)
	yellow	1000	4100	0,10	
	red	800	3300	0,13	
	black	600	2400	0,17	
DX 36	green	600	2400	0,17	100 dB(A)
	yellow	500	2000	0,20	
	red	500	2000	0,20	

* Sound pressure level L_{pA, 1s} measured at user's ear according to standard EN 12549. Wear ear plugs according to operating instructions.

Cartridge tool	Cartridge color	Vibration		HSE Points	Noise Workplace relevant emission value L _{pA*,1s}
		Recommended number of fastenings per day			
		EAV 2.5 m/s ²	ELV 5 m/s ²		
DX A41	green	1300	5200	0,08	103 dB(A)
	yellow	1000	4000	0,10	
	red	1000	4000	0,10	
	black	600	2400	0,17	
DX 750	blue	600	2400	0,17	110 dB(A)
	red	500	2000	0,20	
	black	400	1600	0,25	

* Sound pressure level L_{pA, 1s} measured at user's ear according to standard EN 12549. Wear ear plugs according to operating instructions.



Direct fastening tools

Battery nail tool	Base material	Vibration		HSE Points	Noise
		Recommended number of fastenings per day			Workplace relevant emission value $L_{pA^*,1s}$
		EAV 2.5 m/s ²	ELV 5 m/s ²		
BX 3-ME (01)	concrete	11342	45369	0,01	89 dB(A)
BX 3-ME (02)	concrete	28800	115200	0,003	89 dB(A)
BX 3-ME-22 (03)	steel (X-BT studs)	11342	45368	0,01	135
	steel (14 mm nails)	5041	20163	0,02	n.a. (<130 dB(A))
	concrete (27 mm nails)	8783	35133	0,01	n.a. (<130 dB(A))
BX 3/3-L (02)	concrete	37440	149760	0,003	90 dB(A)
BX 3-BT (02)	concrete	37440	149760	0,003	94 dB(A)

* Sound pressure level $L_{pA^*, 1s}$ measured at user's ear according to standard EN 12549. Wear ear plugs according to operating instructions.

Gas actuated nail tool	Base material	Vibration		HSE Points	Noise
		Recommended number of fastenings per day			Workplace relevant emission value $L_{pA^*,1s}$
		EAV 2.5 m/s ²	ELV 5 m/s ²		
GX 3/3-ME	concrete	27720	110880	0,004	99dB(A)
GX 120/GX 120-ME	concrete	22560	90240	0,004	102 dB(A)
GX 100/GX 100-E	concrete	2700	10800	0,04	102 dB(A)
GX 90 WF	wood	25000	100000	0,00	106 dB(A)

* Sound pressure level $L_{pA^*, 1s}$ measured at user's ear according to standard EN 12549. Wear ear plugs according to operating instructions.

Saws
Reciprocating saws cutting steel pipes

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level LpA* ¹	Emission sound power level* ¹	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Work till EAV 2.5 m/s ²	Work till ELV 5 m/s ²	HSE Points per cut
WSR 22-A (01)	n/a	>82 dB(A)	>89 dB(A)	n/a	n/a	n/a	n/a	W-CSR MS 15 P	cutting 17.2x1.8mm steelpipe	82 cuts	328 cuts	1,22
								W-CSR MS 15 P	cutting 21.3x2.0mm steelpipe	55 cuts	220 cuts	1,82
								W-CSR MS 15 P	cutting 33.7x2.6mm steelpipe	26 cuts	104 cuts	3,85
								W-CSR MS 15 P	cutting 60.3x2.9mm steelpipe	12 cuts	48 cuts	8,33
WSR 36-A (01)	no	>90 dB(A)	>101 dB(A)	n/a	n/a	n/a	n/a	W-CSR MQ 15	cutting 17.2x1.8mm steelpipe	170 cuts	680 cuts	0,59
								W-CSR MQ 15	cutting 21.3x2.0mm steelpipe	140 cuts	560 cuts	0,71
								W-CSR MQ 15	cutting 33.7x2.6mm steelpipe	45 cuts	180 cuts	2,22
								W-CSR MQ 15	cutting 60.3x2.9mm steelpipe	14 cuts	56 cuts	7,14
WSR 900-PE (01)	no	>89 dB(A)	>100 dB(A)	n/a	n/a	n/a	n/a	W-CSR MS 15 P	cutting 17.2x1.8mm steelpipe	175 cuts	700 cuts	0,57
								W-CSR MS 15 P	cutting 21.3x2.0mm steelpipe	135 cuts	540 cuts	0,74
								W-CSR MS 15 P	cutting 33.7x2.6mm steelpipe	47 cuts	188 cuts	2,13
								W-CSR MS 23 P	cutting 60.3x2.9mm steelpipe	19 cuts	76 cuts	5,26
WSR 1250-PE (01)	no	>89 dB(A)	>100 dB(A)	n/a	n/a	n/a	n/a	W-CSR MS 23 P	cutting 80.9x3.2mm steelpipe	9 cuts	36 cuts	11,11
								W-CSR MS 15 P	cutting 17.2x1.8mm steelpipe	84 cuts	336 cuts	1,19
								W-CSR MS 15 P	cutting 21.3x2.0mm steelpipe	48 cuts	192 cuts	2,08
								W-CSR MS 15 P	cutting 33.7x2.6mm steelpipe	19 cuts	76 cuts	5,26
								W-CSR MS 15 P	cutting 60.3x2.9mm steelpipe	14 cuts	56 cuts	7,14
WSR 1400-PE (01)	no	>89 dB(A)	>100 dB(A)	n/a	n/a	n/a	n/a	W-CSR MS 23 P	cutting 80.9x3.2mm steelpipe	7 cuts	28 cuts	14,29
								W-CSR MS 15 P	cutting 17.2x1.8mm steelpipe	188 cuts	752 cuts	0,53
								W-CSR MS 15 P	cutting 21.3x2.0mm steelpipe	127 cuts	508 cuts	0,79
								W-CSR MS 15 P	cutting 33.7x2.6mm steelpipe	44 cuts	176 cuts	2,27
								W-CSR MS 15 P	cutting 60.3x2.9mm steelpipe	21 cuts	84 cuts	4,76
								W-CSR MS 23 P	cutting 80.9x3.2mm steelpipe	10 cuts	40 cuts	10,00

¹ Emission sound pressure level and Emission sound power level values recorded here are for wood applications, so steel application values may differ depending on the work piece used

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Reciprocating saws cutting channels

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level LpA* ¹	Emission sound power level* ¹	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Work till EAV 2.5 m/s ²	Work till ELV 5 m/s ²	HSE Points per cut
WSR 22-A (01)	n/a	>82 dB(A)	>93 dB(A)	n/a	n/a	n/a	n/a	W-CSR MQ 15	MQ 21/2 channel	28 cuts	112 cuts	3,57
								W-CSR MQ 15	MQ 41/3 channel	17 cuts	68 cuts	5,88
WSR 36-A (01)	n/a	>90 dB(A)	>101 dB(A)	n/a	n/a	n/a	n/a	W-CSR MQ 15	MQ 21/2 channel	55 cuts	220 cuts	1,82
								W-CSR MQ 15	MQ 41/3 channel	25 cuts	100 cuts	4,00
WSR 900-PE (01)	n/a	>89 dB(A)	>100 dB(A)	n/a	n/a	n/a	n/a	W-CSR MQ 15	MQ 21/2 channel	130 cuts	520 cuts	0,77
								W-CSR MQ 15	MQ 41/3 channel	47 cuts	188 cuts	2,13
WSR 1250-PE (01)	n/a	>89 dB(A)	>100 dB(A)	n/a	n/a	n/a	n/a	W-CSR MQ 15	MQ 21/2 channel	52 cuts	208 cuts	1,92
								W-CSR MQ 15	MQ 41/3 channel	25 cuts	100 cuts	4,00
WSR 1400-PE (01)	n/a	>89 dB(A)	>100 dB(A)	n/a	n/a	n/a	n/a	W-CSR MQ 15	MQ 21/2 channel	116 cuts	464 cuts	0,86
								W-CSR MQ 15	MQ 41/3 channel	45 cuts	180 cuts	2,22

¹ Emission sound pressure level and Emission sound power level values recorded here are for wood applications, so steel application values may differ depending on the work piece used

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

How to read the Tool Selector
Cutting

Saws - Reciprocating saws

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Work till EAV 2.5 m/s ²	Work till ELV 5 m/s ²	HSE Points per m or cut
WSR 22-A (01)	n/a	82 dB(A)	93 dB(A)	16 m/s ²	1.5 m/s ²	12 min	48 min	WU 20	Cutting off 38 mm chipboard	45 cuts	180 cuts	2,22
				18 m/s ²	1.5 m/s ²	9 min	36 min	WF 23	Cutting off (100 x 100) mm wooden beam	66 cuts	264 cuts	1,52
WSR 36-A (01)	no	90 dB(A)	101 dB(A)	13 m/s ²	5 m/s ²	18 min	72 min	WU 20	Cutting chipboard (thickness 38 mm)	100 cuts	402 cuts	1,00
				16 m/s ²	4 m/s ²	12 min	48 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	86 cuts	344 cuts	1,16
WSR 650-A (01)	no	84 dB(A)	95 dB(A)	12 m/s ²	2.5 m/s ²	21 min	84 min	WU 20	Cutting chipboard (thickness 38 mm)	61 m	244 m	1,64
				16 m/s ²	5 m/s ²	12 min	48 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	10 cuts	40 cuts	10,00
WSR 900-PE (01)	no	89 dB(A)	100 dB(A)	16 m/s ²	2.5 m/s ²	12 min	48 min	WU 20	Cutting chipboard (thickness 38 mm)	48 m	192 m	2,08
				23 m/s ²	3.5 m/s ²	6 min	24 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	4 cuts	16 cuts	25,00
WSR 1250-PE (01)	no	90 dB(A)	101 dB(A)	22 m/s ²	2.5 m/s ²	6 min	24 min	WU 20	Cutting chipboard (thickness 38 mm)	28 m	112 m	3,57
				26.5 m/s ²	3.5 m/s ³	4 min	16 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	4 cuts	16 cuts	25,00
WSR 1400-PE (01)	no	91 dB(A)	102 dB(A)	20 m/s ²	2.5 m/s ²	8 min	32 min	WU 20	Cutting chipboard (thickness 38 mm)	35 m	140 m	2,86
				28 m/s ²	3.5 m/s ³	4 min	16 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	4 cuts	16 cuts	25,00
SR 2-A12 (01)	no	90 dB(A)	101 dB(A)	5,3 m/s ²	1,5 m/s ²	107 min	428 min					
				5,5 m/s ²	1,5 m/s ²	99 min	396 min					
SR 4-A12 (01)	no	84 dB(A)	95 dB(A)	16 m/s ²	2.5 m/s ²	12 min	48 min					
				18 m/s ²	3.5 m/s ²	9 min	37 min					
SR 4-A22 (01)	no	86 dB(A)	97 dB(A)	16 m/s ²	2.5 m/s ²	12 min	48 min	WU 20	Cutting chipboard (thickness 38 mm)	45 cuts	180 cuts	2,22
				18 m/s ²	3.5 m/s ²	9 min	37 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	66 cuts	264 cuts	1,52
SR 6-A22 (01)	no	86 dB(A)	97 dB(A)	17.5 m/s ²	2.5 m/s ²	10 min	39 min	WU 20	Cutting chipboard (thickness 38 mm)	59 cuts	236 cuts	1,69
				21.3 m/s ²	3.5 m/s ³	7 min	26 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	72 cuts	289 cuts	1,39
SR 30-A36 (01)	no	85 dB(A)	96 dB(A)	22.5 m/s ²	2.5 m/s ²	6 min	24 min	WU 20	Cutting chipboard (thickness 38 mm)	45 cuts	180 cuts	2,22
				20.5 m/s ²	3.5 m/s ³	7 min	29 min	WF 23	Cutting wooden beams (100 x 100 mm fir)	79 cuts	316 cuts	1,27
SR 30 corded	no	78 dB(A)	98 dB(A)	14,1 m/s ²	3.5 m/s ²	15 min	60 min	WB 23 6	Cutting off 35mm chipboard	108 cuts	433 cuts	0,92
				21,2 m/s ²	4.6 m/s ³	7 min	27 min	WB 23 6	Cutting off 105x105mm wooden beam	83 cuts	330 cuts	1,21

* Emission sound pressure level LpA and triaxial vibration value ahv according to EN 60745-2-x or EN62841-2-X (Uncertainty (k): noise 3 dB(A), depending on tool and application).

Jig saws

Basic tool data								Productivity data				
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Work till EAV 2.5 m/s ²	Work till ELV 5 m/s ²	HSE Points per m or cut
WSJ 750-EB (01)	WSJ-DRS	88 dB(A)	99 dB(A)	13 m/s ²	1.5 m/s ²	18 min	72 min	W91/P HCS	Cutting chipboard (thickness 38 mm)	50 m	200 m	2,00
				5 m/s ²	1.5 m/s ²	120 min	480 min	M50/2 BIM	Cutting off 3mm sheet metal	23 m	92 m	4,35
WSJ 750-ET (01)	WSJ-DRS	87 dB(A)	98 dB(A)	10.5 m/s ²	1.5 m/s ²	27 min	108 min	W91/P HCS	Cutting chipboard (thickness 38 mm)	70 m	280 m	1,43
				4 m/s ²	1.5 m/s ²	188 min	752 min	M50/2 BIM	Cutting off 3mm sheet metal	26 m	104 m	3,85
WSJ 850-EB (01)	WSJ-DRS	88 dB(A)	99 dB(A)	11 m/s ²	1.5 m/s ²	25 min	100 min	W91/P HCS	Cutting chipboard (thickness 38 mm)	75 m	300 m	1,33
				5 m/s ²	1.5 m/s ²	120 min	480 min	M50/2 BIM	Cutting off 3mm sheet metal	24 m	96 m	4,17
WSJ 850-ET (01)	WSJ-DRS	87 dB(A)	98 dB(A)	9 m/s ²	1.8 m/s ²	37 min	148 min	W91/P HCS	Cutting chipboard (thickness 38 mm)	110 m	440 m	0,91
				4 m/s ²	1.5 m/s ²	188 min	752 min	M50/2 BIM	Cutting off 3mm sheet metal	29 m	116 m	3,45
SJD 6-A22 (01)	no	87 dB(A)	98 dB(A)	5,8 m/s ²	1,5 m/s ²	89 min	357 min	HILTI Quick cut W91/P	Cutting off 24mm OSB	261 m	1044 m	0,38
SJT 6-A22 (01)	no	89 dB(A)	98 dB(A)	5 m/s ²	1,5 m/s ²	120 min	480 min	HILTI Quick cut W91/P	Cutting off 24mm OSB	331 m	1324 m	0,3

* Emission sound pressure level LpA and triaxial vibration value ahv according to EN 60745-2-x or EN62841-2-X (Uncertainty (k): noise 3 dB(A), depending on tool and application).

Saws

Circular saws

Tool	Dust removal system	Basic tool data						Productivity data				
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Metres till EAV 2.5 m/s ²	Metres till ELV 5 m/s ²	HSE Points per m or cut
SCW 22-A (01)	VC	93 dB(A)	104 dB(A)	1.2 m/s ²	1.5 m/s ²	>1440 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	13500 m	54000 m	0,01
									all, Quick, Multi, Qualicut	Cutting 55 mm softwood	1800 m	7200 m
SC 70W-A22 (01)	VC	81 dB(A)	92 dB(A)	1.3 m/s ²	1.5 m/s ²	>1440 min	>1440 min	Hilti Universal 190x1.8/1.1x30				
SC 55 W (01)	VC	89 dB(A)	100 dB(A)	2.2 m/s ²	1.5 m/s ²	620 min	>1440 min	Hilti Universal 190x1.8/1.1x30				
WSC 55-A24 (01)	VC	95 dB(A)	106 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	5200 m	20800 m	0,02
									all, Quick, Multi, Qualicut	Cutting 55 mm softwood	3000 m	12000 m
WSC-55 (02)	VC	94 dB(A)	105 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	9000 m	36000 m	0,01
									all, Quick, Multi, Qualicut	Cutting 55 mm softwood	4000 m	16000 m
WSC 70-A36 (01)	VC	97 dB(A)	108 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	7400 m	29600 m	0,01
									all, Quick, Multi, Qualicut	Cutting 55 mm softwood	4800 m	19200 m
WSC 70 (01)	VC	94 dB(A)	105 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	5000 m	20000 m	0,02
									all, Quick, Multi, Qualicut	Cutting 70 mm softwood	4000 m	16000 m
WSC 85 (01)	VC	100 dB(A)	111 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	3300 m	13200 m	0,03
									all, Quick, Multi, Qualicut	Cutting 80 mm softwood	1200 m	4800 m
WSC 255 (01)	VC	92 dB(A)	103 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	3500 m	14000 m	0,03
									all, Quick, Multi, Qualicut	Cutting 55 mm softwood	3300 m	13200 m
WSC-265-KE (01)	VC	89 dB(A)	100 dB(A)	2.5 m/s ²	1.5 m/s ²	480 min	>1440 min	all, Quick, Multi, Qualicut	Cutting off 38 mm chipboard	2500 m	10000 m	0,04
									all, Quick, Multi, Qualicut	Cutting 65 mm softwood	3000 m	12000 m

* Emission sound pressure level and Emission sound power level values recorded here are for wood applications, so steel application values may differ depending on the work piece used

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Cordless band saw

Tool	Dust removal system	Basic tool data						Productivity data				
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Work till EAV 2.5 m/s ²	Work till ELV 5 m/s ²	HSE Points per cut
SB 4-A22	no	73 dB(A)	84 dB(A)	<2,5 m/s ²	1.5 m/s ²	>480 min	>1440 min	SP 28 14/18	cutting off 2" steel pipe	2400 cuts	9600 cuts	0,04

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

Cordless cut-out tools

Tool	Dust removal system	Basic tool data						Productivity data				
		Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Saw blade	Application & Work piece material of productivity data	Work till EAV 2.5 m/s ²	Work till ELV 5 m/s ²	HSE Points per cut
SCO 6-A22	no	73 dB(A)	84 dB(A)	<2,5 m/s ²	1.5 m/s ²	>480 min	>1440 min	SCOB D (1/8" standard bit)	cutting in 5/8" drywall	1930 m	7720 m	0,05

* Emission sound pressure level LpA and triaxial vibration value ahv according to the relevant European Standard EN 60745-2-x or EN62841-2-X. Uncertainty (k): noise 3dB

How to read the Tool Selector

Cutting

The length of material and number of cuts that can be made for a particular tool and application in one working day before reaching the EAV and ELV are listed under the productivity data.

Hydraulic tools
Pipe pressing / cutting / crimping tools

Basic tool data											
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Application & Work piece material of productivity data	Operations till EAV 2.5 m/s2	Operations till ELV 5 m/s2	HSE Points per m or cut
NPR 19-A (01)	no	70 dB(A)	80 dB(A)	>2,5 m/s ²	1.5 m/s ²	>480 min	>1440 min	pressing operation	7200	28800	0,01
NPR 32-A (01)	no	81 dB(A)	92 dB(A)	2,5 m/s ²	1.5 m/s ²	480 min	1440 min	pressing operation	4114	16456	0,02
NUN 54-A (01)	no	89 dB(A)	100 dB(A)	>2,5 m/s ²	1.5 m/s ²	>480 min	>1440 min	crimping	6981	27924	0,01
NCT 25-A (01)	no	95 dB(A)	106 dB(A)	2,5 m/s ²	1.5 m/s ²	480 min	1440 min	cutting cables	4800	19200	0,02
NCR 120-A (01)	no	89 dB(A)	100 dB(A)	2,5 m/s ²	1.5 m/s ²	480 min	1440 min	crimping			
NCT 85-A (01)	no	70 dB(A)	80 dB(A)	2,5 m/s ²	1.5 m/s ²	480 min	1440 min	cutting cables			

Hydra tools

Basic tool data													
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Insert	Uncertainty k	Time to EAV	Time to ELV	Application tool	Application & work piece material of productivity data	Work til EAV 2.5 m/s2	Work til ELV 5 m/s2	HSE Points per
GFB 6X-A22	no	78 dB(A)	89 dB(A)	1,8 m/s ²		1.5 m/s ²	926 min	3704 min	P120	Square tube 35x35x2 (1.4301)	412 g	1650 g	0,24
GTB 6X-A22	no	78 dB(A)	89 dB(A)	4,2 m/s ²		1.5 m/s ²	170 min	680 min	crimping	tube d35x2 (1.4301)	85 g	342 g	1,17
GPB 6X-A22	no	78 dB(A)	89 dB(A)	3,3 m/s ²		1.5 m/s ²	275 min	1102 min	Flap wheel sanding P40	L-beam 53x30x4 (1.4301)	408 g	1633 g	0,24
SPN 6-A22	no	91 dB(A)	102 dB(A)	6.7 m/s ²	(SPN CN)	1.5 m/s ²	67 min	267 min		1,5mm metal sheet 1.1203	3 m	11 m	2,63
				7.4 m/s ²	(SPN RN)		55 min	219 min		1,5mm metal sheet 1.1203	2 m	9 m	
				6.2 m/s ²	(SPN RL)		78 min	312 min		1,5mm metal sheet 1.1203	3 m	13 m	
SPN 6-A22	no	91 dB(A)	102 dB(A)	6.7 m/s ²	(SPN CN)	1.5 m/s ²	67 min	267 min		2,5mm metal sheet 1.1203	4 m	17 m	23,49
				7.4 m/s ²	(SPN RN)		55 min	219 min		2,5mm metal sheet 1.1203	3 m	14 m	
				6.2 m/s ²	(SPN RL)		78 min	312 min		2,5mm metal sheet 1.1203	5 m	20 m	
SSH 6-A22	no	78 dB(A)	89 dB(A)	3,8 m/s ²		1.5 m/s ²	208 min	831 min		1,5mm metal sheet 1.1203	8 m	31 m	12,94
										2,5mm metal sheet 1.1203	15 m	60 m	6,70
GDG 6-A22	no	76 dB(A)	87 dB(A)	22.2 m/s ²	Insert 50 - 55 mm	1.5 m/s ²	6 min	24 min	flap Wheel 50x20 grit 80	steel bar 400x50x20 St37	22 g	87 g	4,61
				15.9 m/s ²	Insert25 - 50 mm	1.5 m/s ²	12 min	47 min					
				0.7 m/s ²	Insert <25 mm	1.5 m/s ²	>480 min	>1440 min					

Rivet tools

Basic tool data											
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Application & Work piece material of productivity data	Operations till EAV 2.5 m/s2	Operations till ELV 5 m/s2	HSE Points per rivet
RT 6-A22 (01)	no	85.9 dB(A)	98,9 dB(A)	0.94 m/s ²	0.03 m/s ²	>480 min	>1440 min	4,8mm VA rivets in alu profile	203712	814848	0,0005

Dispenser
Pressing

Basic tool data											
Tool	Dust removal system	Emission sound pressure level LpA*	Emission sound power level*	Triaxial vibration value ahv*	Uncertainty k	Time to EAV	Time to ELV	Application	Operations till EAV 2.5 m/s ²	Operations till ELV 5 m/s ²	HSE Points per hole
CD 4-A22	no	69	80	0.07 m/s ²	0.01 m/s ²	>480 min	>1440 min	pressing operation	5102040 holes til EAV	20408163 holes til ELV	0,00002

Disclaimer

Disclaimer for power tool selector

The vibration emission levels given in this information sheet have been measured in accordance with a standardised test described in EN 60745-1: 2006 or EN 61029 and may be used to compare one tool with another. They may be used for a preliminary assessment of exposure.

The declared vibration emission levels represent the main applications of the tools. However if the tools are used for different applications, with different accessories or are poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

The respective numbers shown in the selector indicate as follows:

– Rotary hammers (1):

Numbers of holes that can be drilled in one working day without exceeding the exposure action value or exposure limit value as defined in the EU vibration directive 2002/44/EC.

– Combi hammers (2):

Numbers of holes that can be drilled or respectively the size of opening that can be chiselled in one working day without exceeding the exposure action value or exposure limit value as defined in the EU vibration directive 2002/44/EC.

– Breakers (3):

The size of opening that can be chiselled in one working day without exceeding the exposure action value or exposure limit value as defined in the EU vibration directive 2002/44/EC.

– Diamond coring tools (4):

Numbers of hole that can be drilled in one working day without exceeding the exposure action value or exposure limit value as defined in the EU vibration directive 2002/44/EC.

– Reciprocating saws (5):

Number of cutting meters that can be cut or respectively the number of cuts that can be performed in one working day without exceeding the exposure action value or exposure limit value as defined in the EU vibration directive 2002/44/EC.

The vibration values listed are triaxial measurements made in accordance with EN 60745-1:2006 or EN 61029.

The vibration values shown are generated from laboratory test data and do not guarantee actual vibration values for any specific application on site. The values are rounded averages.

Noise values are measured in accordance with EN 60745-1:2006 or EN 61029.

Regardless of the noise value, Hilti strongly recommends that appropriate noise protection is worn.

The material used for the measurements is defined as following:

- Rotary hammers, combi hammers, breakers and diamond coring tools are measured on concrete with a minimum compressive strength of 40 N/mm² (after 28 days). The concrete is not reinforced. The depth of the holes drilled is stated in the respective table.
- Reciprocating saws are measured on chipboard with the dimensions of 600 x 38 mm and beams of fir wood with the dimensions of 100 x 100 mm.

The size of opening chiselled by the small breakers up to and including the TE 706 represents chiselling out an opening in a wall (e.g. for a window) in solid material, i.e. the opening is surrounded by concrete on all sides.

When chiselling at the edge of a slab, performance is higher by a factor of 2–3. With the TE 805 and TE 905-AVR, the application is demolition chiselling towards the ground on an edge.

Disclaimer for direct fastening selector

The vibration and noise values listed in this table are generated from laboratory tests and do not guarantee actual recoil values in any specific application on site. The values are rounded averages.

These vibration and noise values are therefore to be used as a guideline only. The employer is responsible for adhering to local requirements applicable to workplace health and safety and for evaluation of the actual vibration and noise values by taking the appropriate on-site measurements.

Underlying measurements for vibration values are one-dimensional and taken in typical applications under laboratory conditions in accordance with ISO 8662-11.

Underlying measurements for noise values are taken in typical applications under laboratory conditions in accordance with EN 12 549 acoustics – noise test code for fastener driving tools.

The productivity values are calculated on the basis of the vibration value and performance of the tool and are measured in the procedures according to EN 60745-1:2006 or EN 61029. They vary, depending on many factors, such as the material, possible rebar hits, type and sharpness of the bit, chisel or blade used and the working behaviour of the user etc. All values are measured using new Hilti power tools and bits, chisels, blades etc.

Drilling into or through rebars influences the rate of drilling progress and vibration emissions. This, as a rule, leads to a significant reduction of overall productivity (decrease in the number of holes drilled).

The values given in the tool and application selectors are therefore to be used only as a guideline. The employer is responsible for ensuring that limit values are not exceeded.

The efficiency of dust removal systems depends strongly on their correct use as well as the conditions on the jobsite, e.g. the type and surface shape of the material worked on. The values given and statements made with respect to dust removal are therefore an indication only.

Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful.

Certain kinds of dust are classified as carcinogenic such as oak and beech dust especially in conjunction with additives for wood conditioning (chromate, wood preservative). Material containing asbestos must only be treated by specialists.

- Where the use of a dust extraction device is possible it shall be used.
- The work place must be well ventilated.
- The use of a dust mask of filter class P2 is recommended.

Follow local requirements for the materials you want to work with.