Demolition Tools

THOMAS TURTON

CROSSBOW
DEMOLITION TOOLS

Demolition Tools

Introduction

Our manufacturing experience on Demolition Tools covers a period of over thirty years, throughout which we have continued to develop high quality tools for an ever-demanding marketplace.

Thomas Turton has one quality - the best. All tools are totally manufactured and processed within our modern factory, utilising the very latest machinery and technology, which ensures that our finished products comply with the high standards of quality expected by our customers worldwide. We operate a Quality Management System which is certified to BS EN ISO9001:2008 standard.

Our Demolition Tools are manufactured from specially selected steel specifications which have been evolved from a rigorous research and development programme. We continually investigate refinements to specifications and processes, to ensure that our quality leads the market.

Our in-house Heat Treatment Plant is one of the largest of its kind in Europe and enables us to closely control and monitor all aspects of the unique processes we have developed.

The result is a range of quality Demolition Tools that have the hardness, impact strength and durability required to combat the most arduous conditions experienced in demolition, trenching, road construction, quarrying and mining applications.

Our Demolition Tools are acknowledged by many major OEMs as the best independently produced tools available worldwide. One quality - the best.

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Warranty

Thomas Turton's tools are guaranteed against defects in raw material and manufacture. No other warranty is implied or expressed. The company's liability in respect of any warranty claims is limited to replacement and does not extend to any other expenditure incurred or to any consequential damage. Warranty claims are subject to immediate notification of any problems and return of the goods to us under our returned goods system. See pages 67 & 68 for our full warranty details.

Tools Selection

Correct selection of tools is the first step in obtaining maximum life from the product.

Conical Point - for general demolition work where penetrative breaking is required.

Pyramid Points - for use where increased breakout forces are required

X Type Point - for use in soft or high dust operations.

Power Point - tool with hard core for use in very hard and abrasive conditions.

Chisels - as for Points but also where a cutting action is required, eg. trenching and benching

Note: Chisels give higher wear rates and stress levels in the retainer flat areas of the tool.

Grooved Chisel - for use in soft or high dust operations.

Wide Chisels - for increased productivity in softer materials.
Tarmac Cutters - as Wide Chisels but with 90 degree orientation for cuttting/trenching.

Rail Guard - for driving in rail guards.

Blunts - for impact breaking, eg. secondary breaking and also scaling in mines and tunnels, etc.

Upset Blunt - Blunt with increased diameter at working end to give increased life and wear resistance.

Rammer Stems & Pads - for compacting loose ground.

Driving Tool - for driving in posts, pipes etc.

Care and Use

Working Angle
Critical to tool life is using the tool at the correct working angle of 90° to the working surface. Failure to do this will result in high contact pressure between the tool and the bushings and the likelihood of galling between the surfaces. In turn this can lead to premature failure of the tool plus damage and rapid wear to the bushings. Worn bushings can allow the tool to be angled over to a position where the striking face is hit at an angle by the piston.

Lubrication
Lubrication of the tool/bushing with the correct quality high temperature/high pressure grease at regular intervals is essential. Such greases are best able to cope with the extreme contact pressures generated by an incorrect working angle, leverage and excessive bending etc.

USE OF CHEAP SUBSTITUTES (OR NO GREASE AT ALL) IS FALSE ECONOMY AND WILL RESULT IN PREMATURE TOOL FAILURE.

Blank Firing
Continuing to use the hammer when the tool is not or only partially in contact with the work surface will result in the tool being fired down on to the retainer pin. This will cause heavy wear and damage to the upper retainer flat radius area and the retaining pin itself.

Tools should be examined regularly, eg. every 40 hours for damage in this area which should then be ground out.

At the same time as the tool is examined the opportunity should be taken to check the tool bushings for wear and damage with a view to replacement or reconditioning as necessary.

Overheating
Avoid continuous working in one position. Do not strike in one spot for more than 10 - 15 seconds before changing the tool to another position. Failure to do this can lead to excessive heat build-up at the working end with ‘mushrooming’ as a consequence.

Leverage/Bending
Using the tool as a lever to help break the ground is a common tool breaker. Avoid leverage and excessive bending at all times.

Loose running
Keep the boom and hammer feed sufficient to ensure that the tool is held against the hammer shoulder stop, at all times when working.

Tool Reconditioning
Under most normal conditions the tool will not need reconditioning. However, tools that have lost their shape on the working end can cause high stresses throughout the tool and hammer. Reconditioning by milling or turning is recommended. Welding or flame cutting is not recommended as the heat generated could cause structural changes within the material which in turn can lead to premature failure or rapid wear.

Catalogue Numbering System

All catalogue numbers start with **2 letters**, followed by a **2 digit number**, which is our designation for the hammer type, eg. **MB35**P0410.

The second section defines the tool length and type, eg. MB35**P0410**. The last **4 digits** eg. **0410** represent the tool length in millimetres, whilst the working end configuration is defined by a letter:

'**P**' = Point (Conical)
'**C**' = Chisel
'**B**' = Blunt
'**PP**' = Pyramid Point
'**XP**' = 'X' point
'**GC**'= grooved chisel
'**BU**' = blunt upset
'**CT**' = Power Point

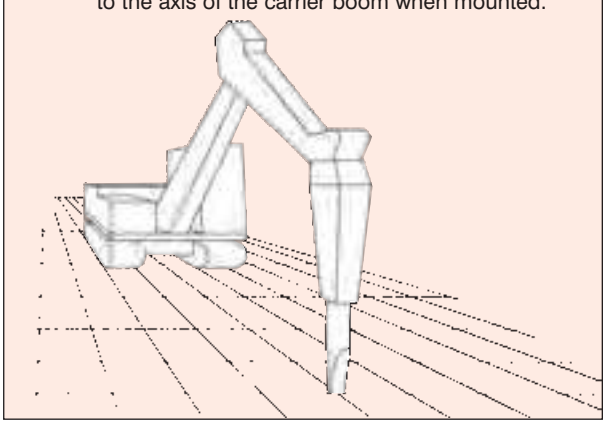
'**WC**'= Wide Chisel, followed by blade width, eg. MB35**WC04**1R120
'**TC**' = Tarmac Cutter (in-line wide chisel) eg. MB35**TC04**1R120

For correct selection of tool types see page 2

Note: For special tools such as Railguards, Rammer Stem & Pads and Driving Tools, please contact our sales office.

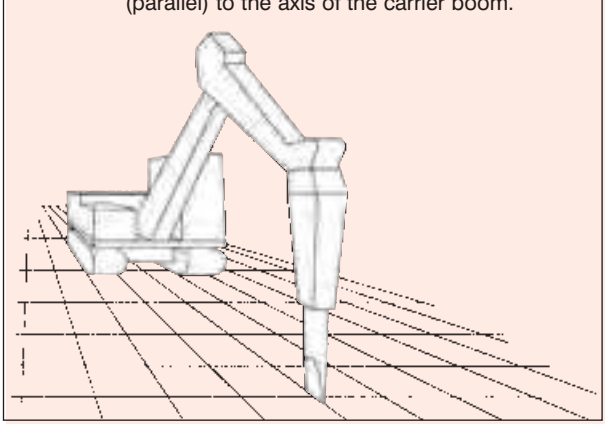
Chisel Orientation

Transverse (East/West) have the blade of the tool transverse to the axis of the carrier boom when mounted.



All standard chisels and wide chisels have the blade in the transverse mode.

In-Line (North/South) have the chisel tool blade "In-Line" (parallel) to the axis of the carrier boom.



All in-line chisels and tarmac cutters have the blade in the "in-line" mode.

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MB 156	330	66
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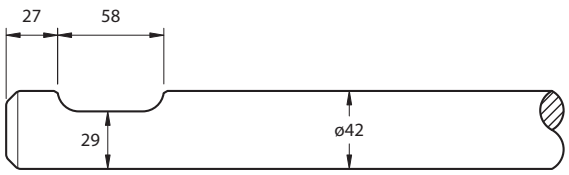
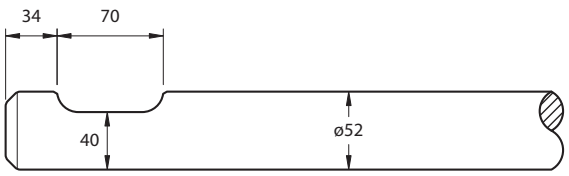
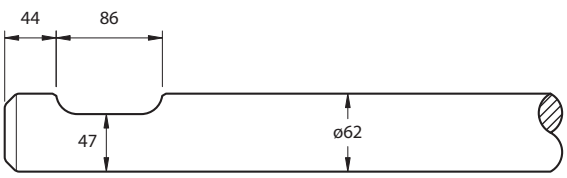
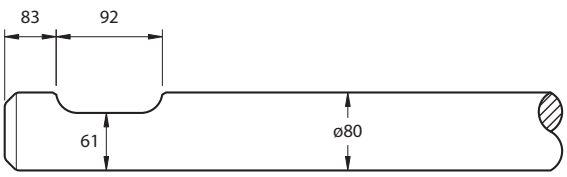
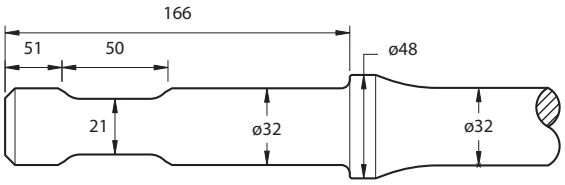
ATLAS COPCO

CROSSBOW DEMOLITION TOOLS

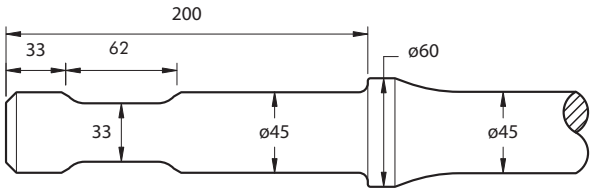
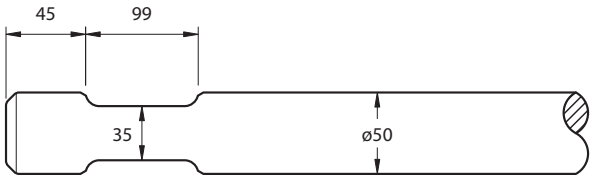
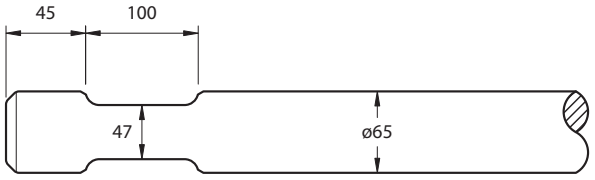
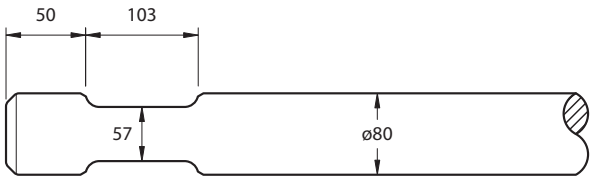
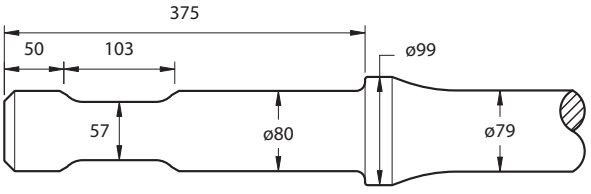
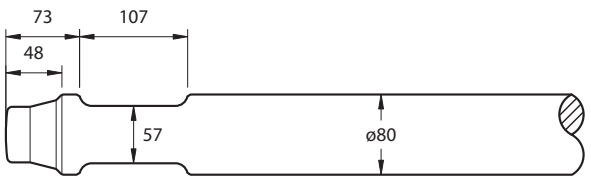
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
1	**Atlas Copco PB110** Berco BB42, Chicago Pneumatic CP100, Krupp AT20 	Point Chisel	470 470	KR41P0470 KR41C0470	4 4
2	**Atlas Copco PB160** Berco BB52, Chicago Pneumatic CP150, Krupp AT70 	Point Chisel	600 600	KR42P0600 KR42C0600	8 8
3	**Atlas Copco PB210** Berco BB62, Chicago Pneumatic CP200, Krupp AT120 	Point Chisel	700 700	KR43P0700 KR43C0700	14 14
4	**Atlas Copco PB310** Berco BB70, Chicago Pneumatic CP300, Krupp AT170 	Point Chisel	750 750	KR44P0750 KR44C0750	21 21
5	**Atlas Copco PB420** Berco BB80, Chicago Pneumatic CP400/550, Krupp AT220, HM220/230 	Point Chisel	900 900	KR34P0900 KR34C0900	29 29
6	**Atlas Copco SB50** Atlas Copco SBC60, Tex30H 	Point Chisel	430 430	AC21P0430 AC21C0430	2 2

ATLAS COPCO

CROSSBOW DEMOLITION TOOLS

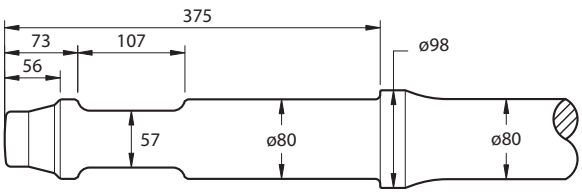
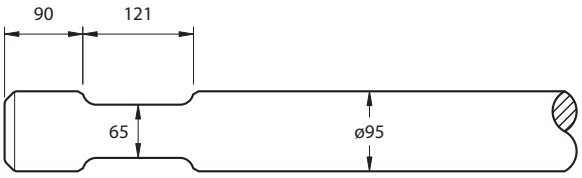
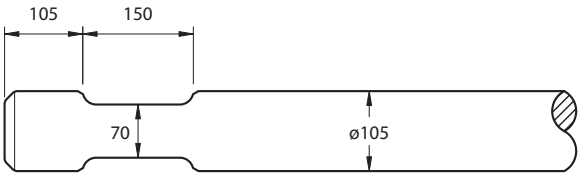
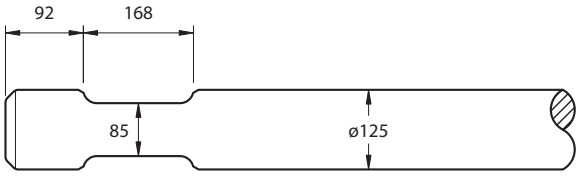
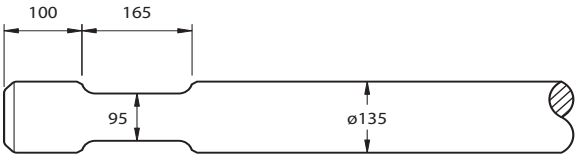
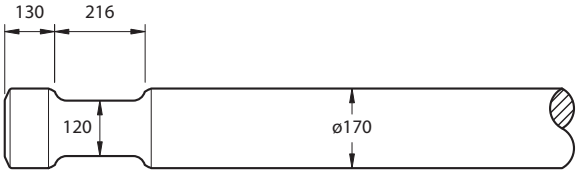
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
7	**Atlas Copco SB100** Atlas Copco SBC115, TEX75H / 100H 	Point Chisel	550 550	AC10P0550 AC10C0550	5 5
8	**Atlas Copco SB150** Atlas Copco SBC255, TEX110H 	Point Chisel	550 550	AC17P0550 AC17C0550	7 7
9	**Atlas Copco SB200** Atlas Copco SBC410, TEX180H 	Point Chisel	600 600	AC18P0600 AC18C0600	13 13
10	**Atlas Copco SB300** Atlas Copco SBC610, SBC650 	Point Chisel	800 800	AC22P0800 AC22C0800	27 27
11	**Atlas Copco SB300 Scaler** 	Blunt	800	AC23B2800	28
12	**Atlas Copco Tex 250H** 	Point Chisel	800 800	AC12P0800 AC12C0800	27 27

ATLAS COPCO

CROSSBOW DEMOLITION TOOLS

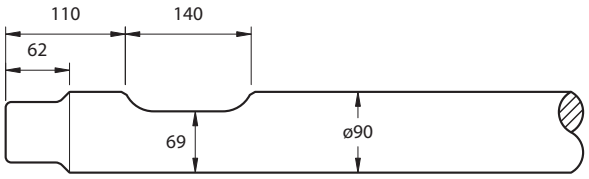
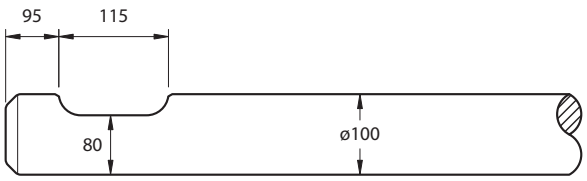
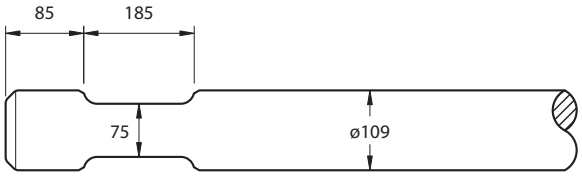
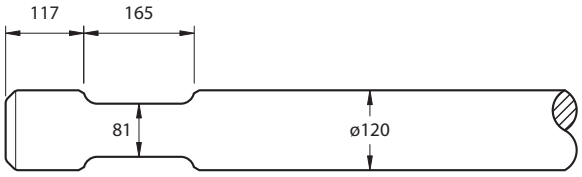
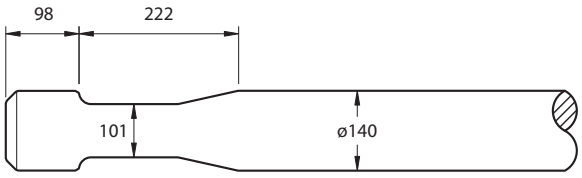
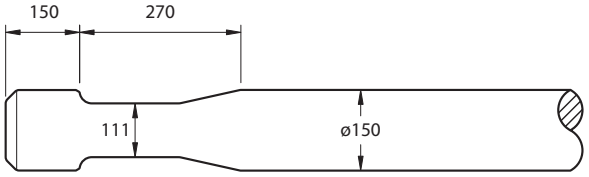
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
13	**Atlas Copco Tex 250H Scaler** 	Blunt	800	AC19B0800	28
14	**Atlas Copco SB450** Atlas Copco SBC800/850, Tex 400H 	Point Chisel	840 840	AC20P0840 AC20C0840	43 43
15	**Atlas Copco HBC1100/1700** Atlas Copco Tex 600H, 700H, 900H 	Point Chisel Blunt	900 900 900	AC14P0900 AC14C0900 AC14B0900	60 60 60
16	**Atlas Copco HBC2500** Atlas Copco Tex 1400H 	Point Chisel Blunt	1000 1000 1000	AC15P1000 AC15C1000 AC15B1000	95 95 95
17	**Atlas Copco HBC4000** Atlas Copco Tex 1800H/2000H 	Point Chisel Blunt	1100 1100 1100	AC16P1100 AC16C1100 AC16B1100	119 119 119
18	**Atlas Copco HBC6000** 	Point Chisel Blunt	1500 1500 1500	AC23P1500 AC23C1500 AC23B1500	245 245 245

ATLAS COPCO

CROSSBOW DEMOLITION TOOLS

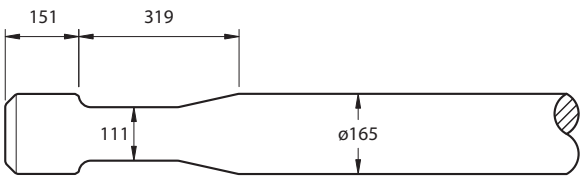
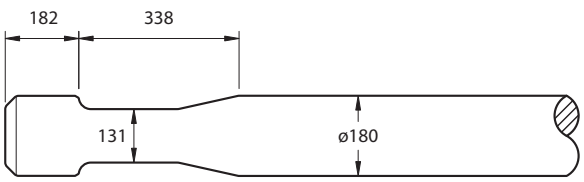
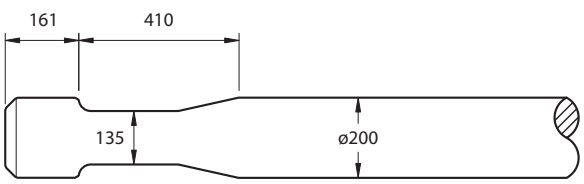
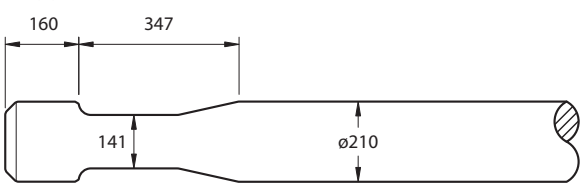
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
19	**Atlas Copco MB500** Krupp HM350 	Point Chisel	900 900	KR32P0900 KR32C0900	36 36
20	**Atlas Copco MB700/MB800** Krupp HM580, Chicago Pneumatic CP750 	Point Chisel Blunt	1000 1000 1000	KR38P1000 KR38C1000 KR38B1000	55 55 55
21	**Atlas Copco MB1000** Krupp HM680 	Point Chisel Blunt	1050 1050 1050	AC24P1050 AC24C1050 AC24B1050	61 61 61
22	**Atlas Copco MB1200** Krupp HM780 	Point Chisel Blunt	1150 1150 1150	KR39P1150 KR39C1150 KR39B1150	94 94 94
23	**Atlas Copco MB1700** Krupp HM1000 	Point Chisel Blunt	1200 1200 1200	KR37P1200 KR37C1200 KR37B1200	137 137 137
24	**Atlas Copco HB2200** Krupp HM1500, Chicago Pneumatic CP2250 	Point Chisel Blunt	1300 1300 1300	KR28P1300 KR28C1300 KR28B1300	178 178 178

ATLAS COPCO

CROSSBOW DEMOLITION TOOLS

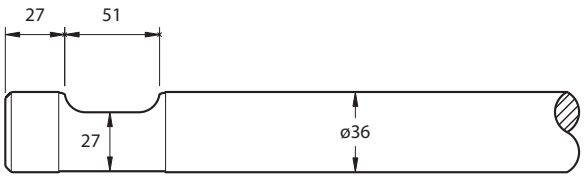
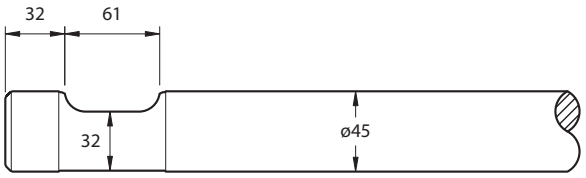
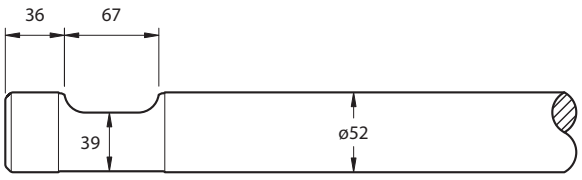
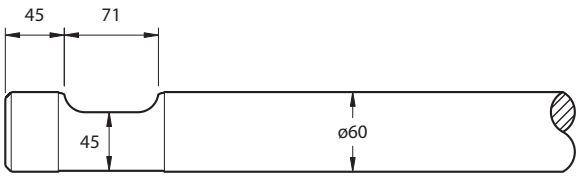
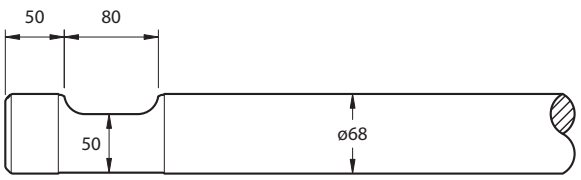
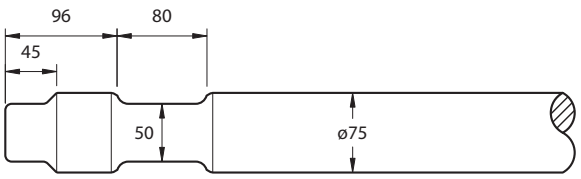
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
25	**Atlas Copco HB3000** Krupp HM2300, Chicago Pneumatic CP3050 	Point Chisel Blunt	1500 1500 1500	KR40P1500 KR40C1500 KR40B1500	223 223 223
26	**Atlas Copco HB4200** Krupp HM2600, Chicago Pneumatic CP4250 	Point Chisel Blunt	1500 1500 1500	KR30P1500 KR30C1500 KR30B1500	300 300 300
27	**Atlas Copco HB5800** Krupp HM3000 	Point Chisel Blunt	1700 1700 1700	KR46P1700 KR46C1700 KR46B1700	405 405 405
28	**Atlas Copco HB7000** Krupp HM4000 	Point Chisel Blunt	1800 1800 1800	KR33P1800 KR33C1800 KR33B1800	458 458 458

FURUKAWA

CROSSBOW DEMOLITION TOOLS

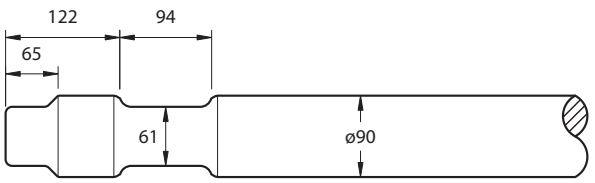
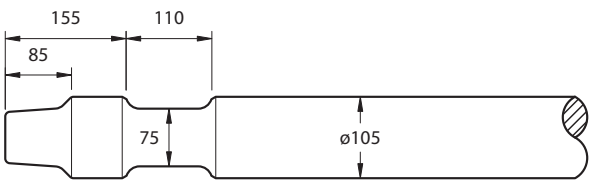
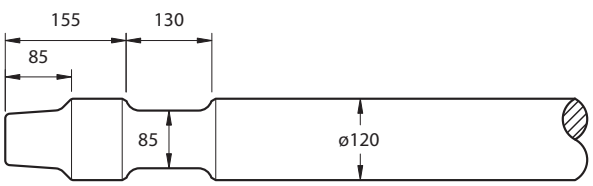
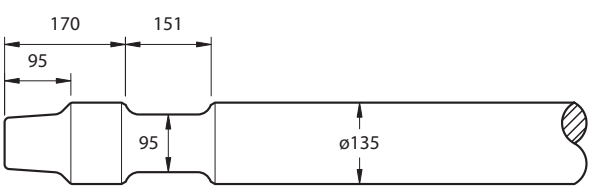
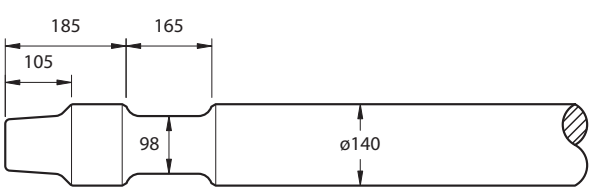
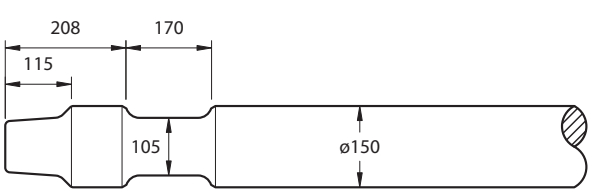
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
29	**Furukawa F1/HB1G**	Point	400	FU21P0400	2
		Chisel	400	FU21C0400	2
30	**Furukawa F2/HB2G**	Point	450	FU22P0450	3
		Chisel	450	FU22C0450	3
31	**Furukawa F3**	Point	525	FU32P0520	5
		Chisel	525	FU32C0520	5
32	**Furukawa F4**	Point	560	FU33P0560	12
		Chisel	560	FU33C0560	12
33	**Furukawa F5**	Point	600	FU34P0600	15
		Chisel	600	FU34C0600	15
34	**Furukawa F6**	Point	730	FU35P0730	21
		Chisel	730	FU35C073H	21

FURUKAWA

CROSSBOW DEMOLITION TOOLS

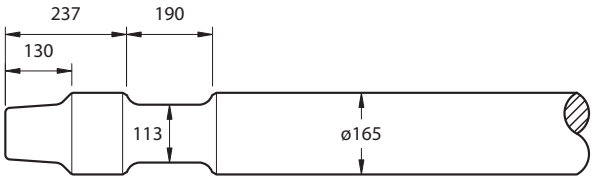
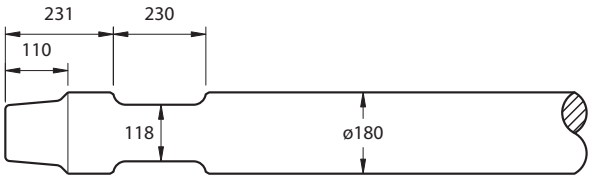
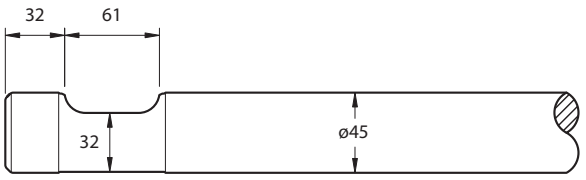
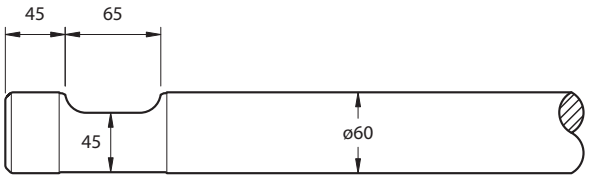
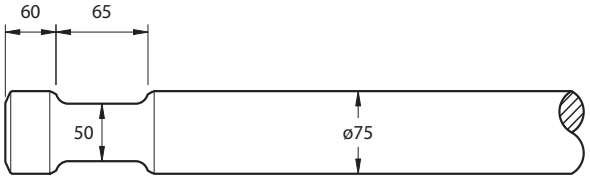
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
35	**Furukawa F9**	Point	850	FU37P0850	34
		Chisel	850	FU37C0850	34
36	**Furukawa F12**	Point	1100	FU38P1100	72
		Chisel	1100	FU38C1100	72
		Blunt	1100	FU38B1100	72
37	**Furukawa F19**	Point	1200	FU39P1200	97
		Chisel	1200	FU39C1200	97
		Blunt	1200	FU39B1200	97
38	**Furukawa F22**	Point	1250	FU40P1250	125
		Chisel	1250	FU40C1250	125
		Blunt	1250	FU40B1250	125
39	**Furukawa F27**	Point	1300	FU41P1300	136
		Chisel	1300	FU41C1300	136
		Blunt	1300	FU41B1300	136
40	**Furukawa F35**	Point	1400	FU42P1400	192
		Chisel	1400	FU42C1400	192
		Blunt	1400	FU42B1400	192

FURUKAWA

CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

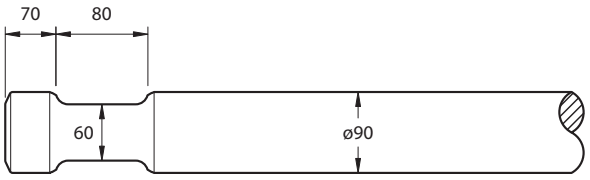
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
41	**Furukawa F45**	Point	1500	FU43P1500	231
		Chisel	1500	FU43C1500	231
		Blunt	1500	FU43B1500	231
					
42	**Furukawa F70**	Point	1600	FU44P1600	270
		Chisel	1600	FU44C1600	270
		Blunt	1600	FU44B1600	270
					
43	**Furukawa HB1G/ F1**	Point	400	FU21P0400	3
		Chisel	400	FU21C0400	3
44	**Furukawa HB2G/F2**	Point	450	FU22P0450	5
		Chisel	450	FU22C0450	5
					
45	**Furukawa HB3G**	Point	560	FU23P0560	12
		Chisel	560	FU23C0560	12
					
46	**Furukawa HB5G**	Point	640	FU24P0640	19
		Chisel	640	FU24C0640	19
					

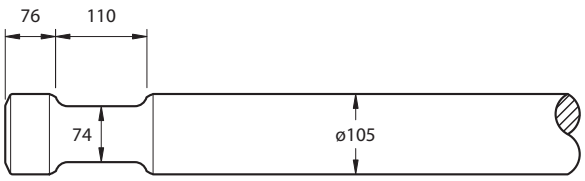
FURUKAWA

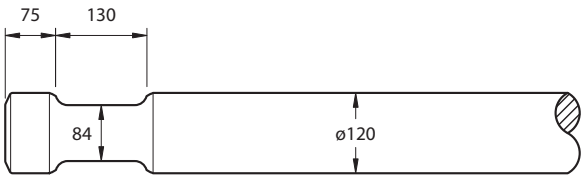
CROSSBOW DEMOLITION TOOLS

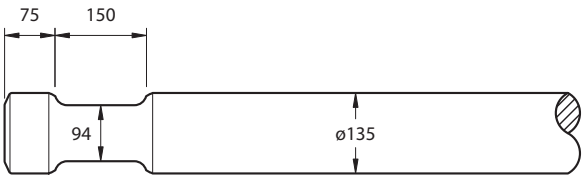
THOMAS TURTON

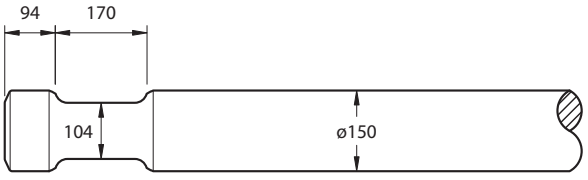
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
47	**Furukawa HB8G**	Point Chisel	750 750	FU25P0750 FU25C0750	30 30
48	**Furukawa HB10G**	Point Chisel	1000 1000	FU26P1000 FU26C1000	65 65
49	**Furukawa HB15G**	Point Chisel	1100 1100	FU27P1100 FU27C1100	90 90
50	**Furukawa HB20G**	Point Chisel	1200 1200	FU28P1200 FU28C1200	125 125
51	**Furukawa HB30G**	Point Chisel	1300 1300	FU29P1300 FU29C1300	165 165
52	**Furukawa HB40G**	Point Chisel	1400 1400	FU30P1400 FU30C1400	200 200

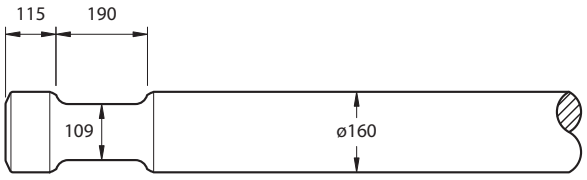










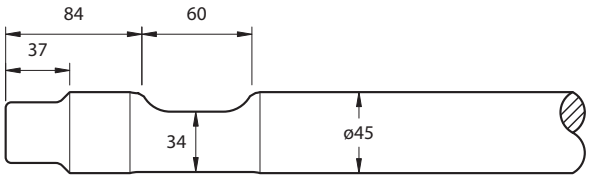


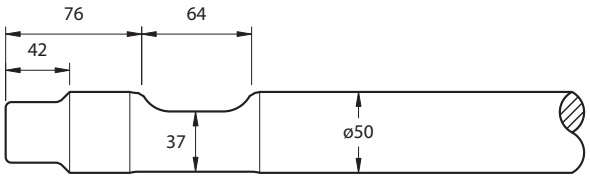
HANWOO

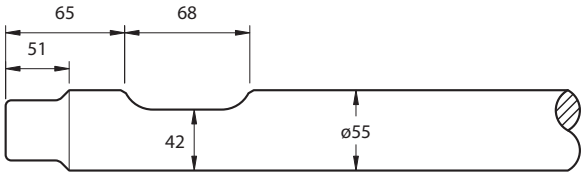
CROSSBOW DEMOLITION TOOLS

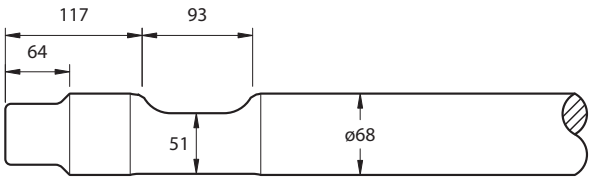
THOMAS TURTON

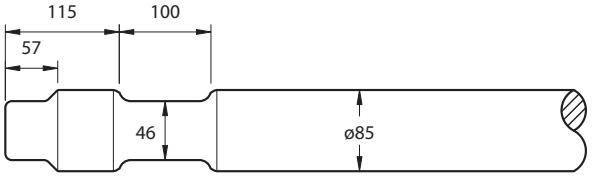
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
53	**Hanwoo RHB 301-V**	Point	480	HW11P0480	5
		Chisel	480	HW11C0480	5
54	**Hanwoo RHB 302/303-V**	Point	490	HW12P0490	6
		Chisel	490	HW12C0490	6
55	**Hanwoo RHB 303**	Point	500	HW13P0500	8
		Chisel	500	HW13C0500	8
56	**Hanwoo RHB 305-V**	Point	760	HW14P0760	19
		Chisel	760	HW14C0760	19
57	**Hanwoo RHB 308-2/309**	Point	900	HW15P0900	36
		Chisel	900	HW15C0900	36
58	**Hanwoo RHB 313-V**	Point	1050	HW16P1050	61
		Chisel	1050	HW16C1050	61

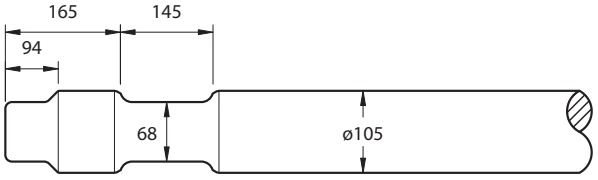










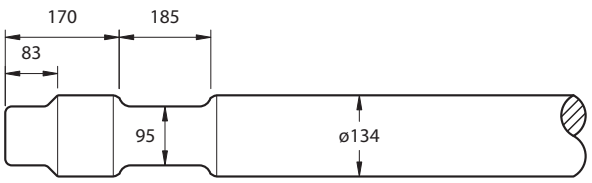


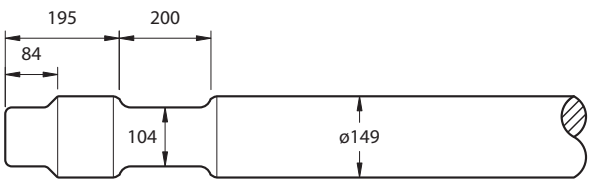
HANWOO

CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
59	Hanwoo RHB 322-2/325	Point	1200	HW17P1200	116
		Chisel	1200	HW17C1200	116
		Blunt	1050	HW17B1050	104
60	Hanwoo RHB 328-2/330	Point	1450	HW18P1450	180
		Chisel	1450	HW18C1450	180
		Blunt	1300	HW18B1300	164
61	Hanwoo RHB340	Point	1450	HW23P1450	215
		Chisel	1450	HW23C1450	215
		Blunt	1300	HW23B1300	195





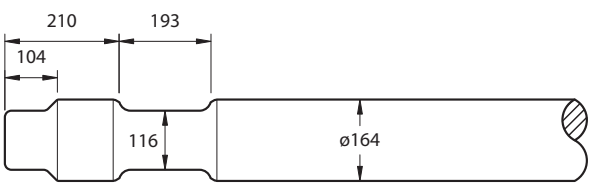
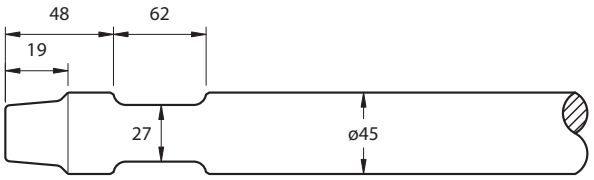
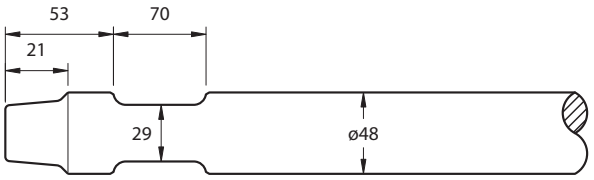
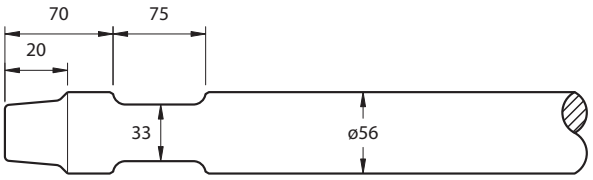
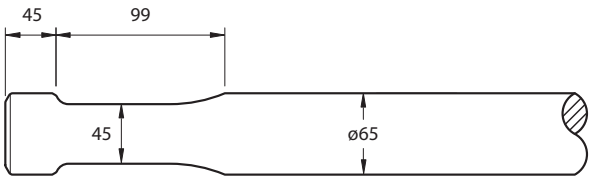
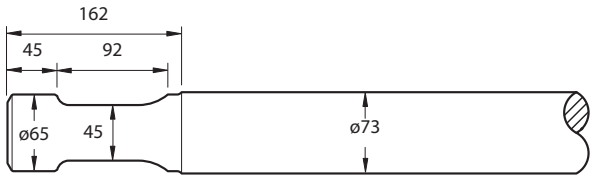
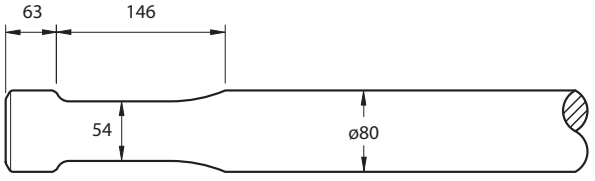


Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
62	**Indeco HP150** Indeco UP121/150P, MES121/150, Euroram RM45 	**Point** **Chisel**	**440** **440**	**IN23P0440** **IN23C0440**	**4** **4**
63	**Indeco HP200** Indeco UP181/200P, MES180/181/200, Euroram RM48 	**Point** **Chisel**	**550** **550**	**IN17P0550** **IN17C0550**	**6** **6**
64	**Indeco HP350** Indeco UP301/350P/351P, MES 300/301/350/351, Euroram RM56 	**Point** **Chisel**	**600** **600**	**IN18P0600** **IN18C0600**	**10** **10**
65	**Indeco HP500** Indeco HB5, UP462/521/550P, MES 452/462/521/550, Euroram RM65 	**Point** **Chisel**	**650** **650**	**IN11P0650** **IN11C0650**	**15** **15**
66	**Indeco HP600** Indeco UP553, MES 553, Euroram RM75 	**Point** **Chisel**	**680** **680**	**IN29P0680** **IN29C0680**	**19** **19**
67	**Indeco HB8** Euroram RM80 	**Point** **Chisel**	**700** **700**	**IN12P0700** **IN12C0700**	**24** **24**

INDECO

CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

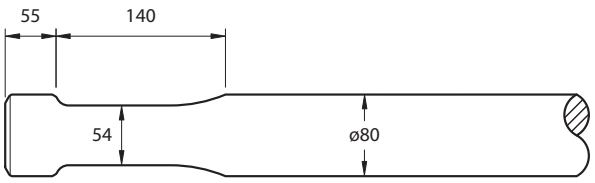
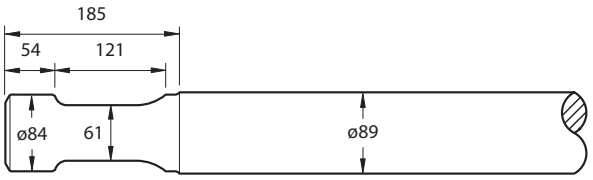
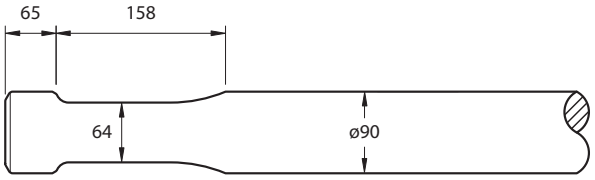
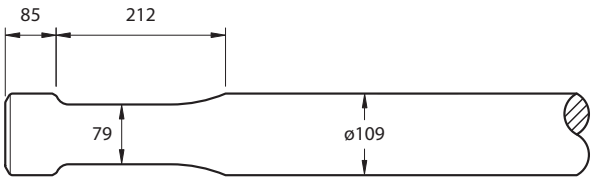
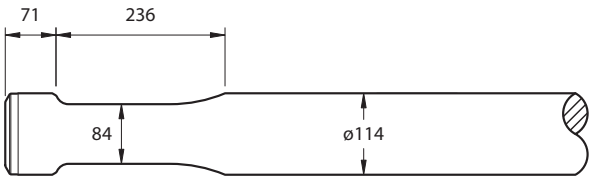
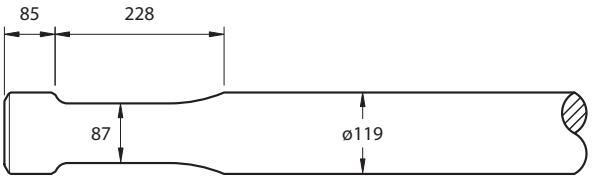
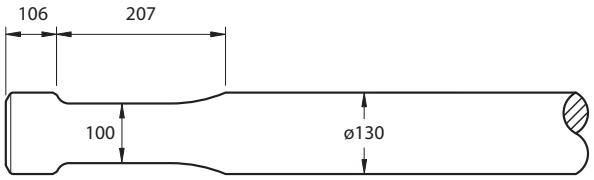
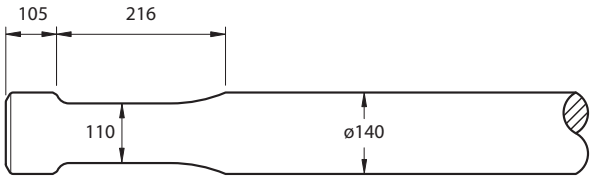
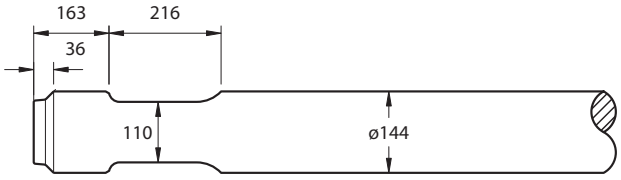
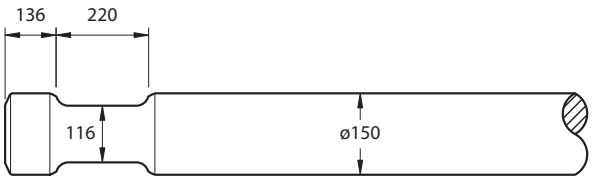
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
68	**Indeco HP700** Indeco UP621/650P, MES 601/621/650 	Point Chisel	650 650	IN19P0650 IN19C0650	24 24
69	**Indeco HP900** Indeco UP900 	Point Chisel	700 700	IN31P0700 IN31C0700	30 30
70	**Indeco HP1200** Indeco HB12, UP1200, MES 1200, Euroram RM85/90 	Point Chisel	800 800	IN13P0800 IN13C0800	33 33
71	**Indeco HP1500** Indeco HB19, UP1500, MES 1500, Euroram RM110 	Point Chisel Blunt	900 900 800	IN15P0900 IN15C0900 IN15B0800	55 55 49
72	**Indeco HP1800** Indeco UP1750, MES 1750/1800, Euroram RM115 	Point Chisel Blunt	1000 1000 900	IN27P1000 IN27C1000 IN27B0900	75 75 68
73	**Indeco HP2000** Indeco HB27, UP2000, MES 2000, Euroram RM120 	Point Chisel Blunt	1000 1000 900	IN16P1000 IN16C1000 IN16B0900	87 87 78

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
74	**Indeco HP2500** Indeco UP2500, MES 2500, Euroram RM130 	Point Chisel Blunt	1050 1050 950	IN20P1050 IN20C1050 IN20B0950	101 101 91
75	**Indeco HP3000** Indeco UP3000, MES 3000, Euroram RM140 	Point Chisel Blunt	1100 1100 1000	IN24P1100 IN24C1100 IN24B1000	115 115 115
76	**Indeco HP3500** Indeco UP3500, MES 3500, Euroram RM145 	Point Chisel Blunt	1170 1170 1070	IN21P1170 IN21C1170 IN21B1070	130 130 119
77	**Indeco HP4000** Indeco UP4000, MES 4000, Euroram RM150 	Point Chisel Blunt	1250 1250 1150	IN28P1250 IN28C1250 IN28B1150	172 172 158

INDECO

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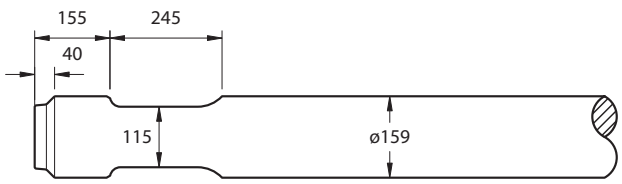
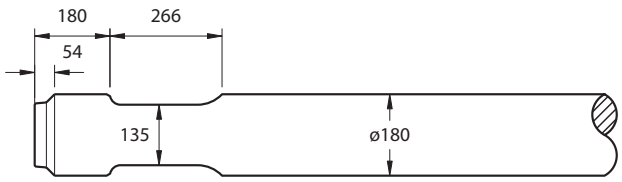
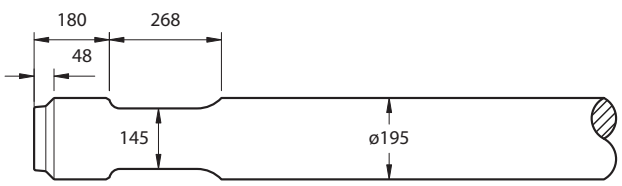
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
78	**Indeco HP5000** Indeco UP5000, MES 5000, Euroram RM160 	Point Chisel Blunt	1320 1320 1170	IN22P1320 IN22C1320 IN22B1170	203 203 180
79	**Indeco HP7000** Indeco UP7000, MES 7000, Euroram RM180 	Point Chisel Blunt	1450 1450 1300	IN25P1450 IN25C1450 IN25B1300	290 290 260
80	**Indeco HP9000** Indeco UP8500, MES 8500, Euroram RM195 	Point Chisel Blunt	1530 1530 1380	IN26P1530 IN26C1530 IN26B1380	360 360 325

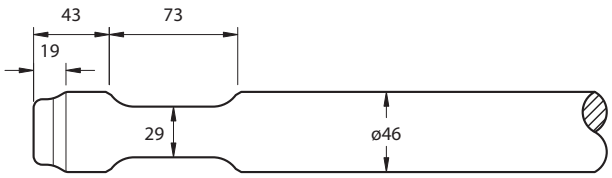
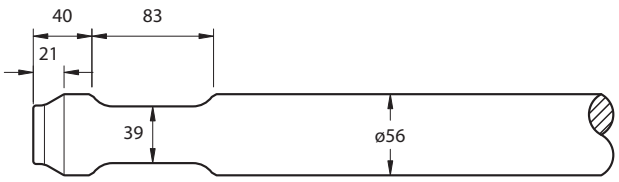
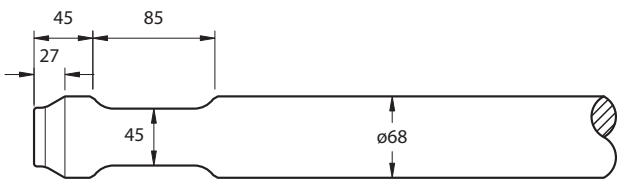
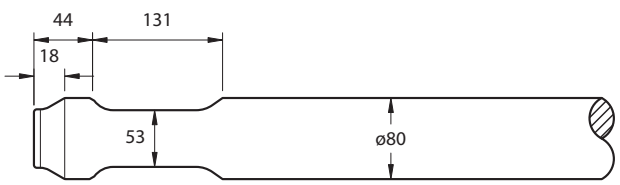
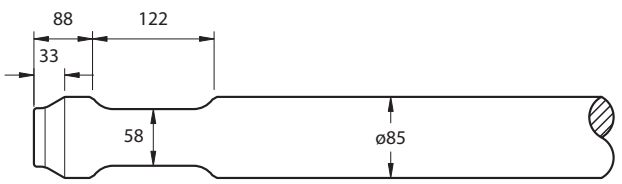
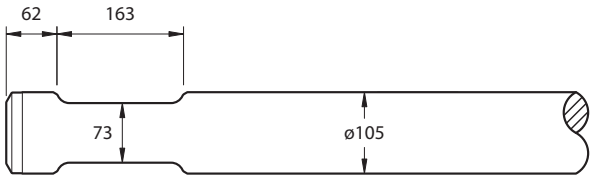
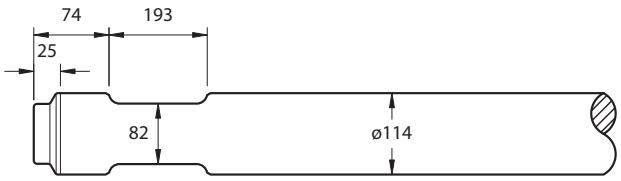
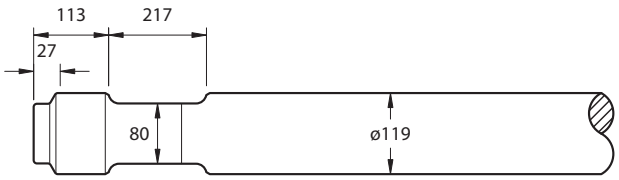
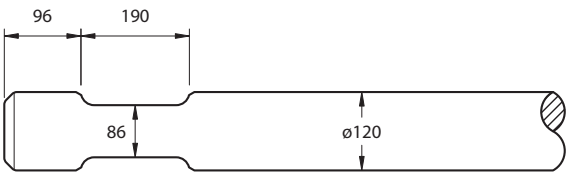
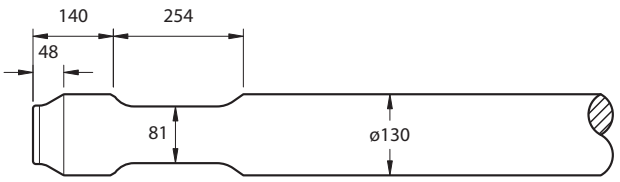
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
81	**Italdem GK 85/86** Star SH91 	Point Chisel	450 450	IT24P0450 IT24C0450	4 4
82	**Italdem GK 160/161** Star SH151 	Point Chisel	500 500	IT25P0500 IT25C0500	8 8
83	**Italdem GK 211** Star SH200 	Point Chisel	620 620	IT27P0620 IT27C0620	15 15
84	**Italdem GK 290/291** Star SH281 	Point Chisel	660 660	IT28P0660 IT28C0660	23 23
85	**Italdem GK 360/361** 	Point Chisel	700 700	IT29P0700 IT29C0700	28 28

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
86	**Italdem GK 600/610** Star SH561 	Point Chisel	900 900	IT30P0900 IT30C0900	60 60
87	**Italdem GK 950/960** Star SH991 	Point Chisel Blunt	1050 1050 950	IT31P1050 IT31C1050 IT31B0950	79 79 72
88	**Italdem GK 1350** 	Point Chisel Blunt	1100 1100 1000	IT32P1100 IT32C1100 IT32B1000	90 90 82
89	**Italdem GK 1351S** Star SH1402 	Point Chisel Blunt	1150 1150 1050	IT36P1150 IT36C1150 IT36B1050	94 94 86
90	**Italdem GK 1600** 	Point Chisel Blunt	1200 1200 1100	IT33P1200 IT33C1200 IT33B1100	113 113 104

ITALDEM

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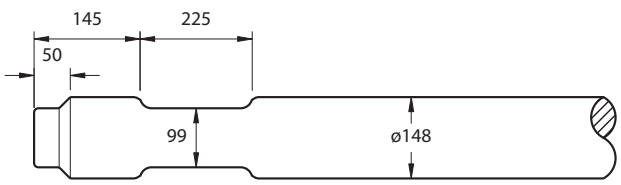
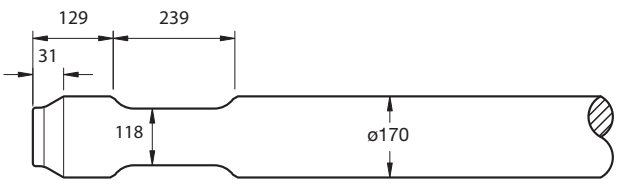
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
91	**Italdem GK 2400**	Point	1350	IT34P1350	185
		Chisel	1350	IT34C1350	185
		Blunt	1200	IT34B1200	165
92	**Italdem GK 3400/3500**	Point	1450	IT35P1450	238
		Chisel	1450	IT35C1450	238
		Blunt	1300	IT35B1300	214
93	**Italdem GK 3800**	Point	1350	IT37P1350	285
		Chisel	1350	IT37C1350	285
		Blunt	1250	IT37B1250	265

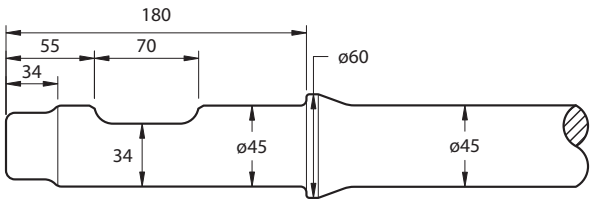
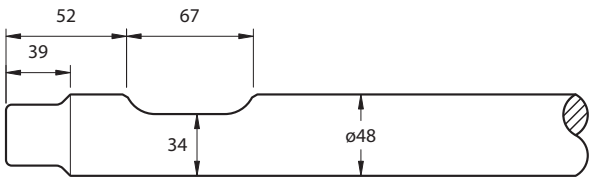
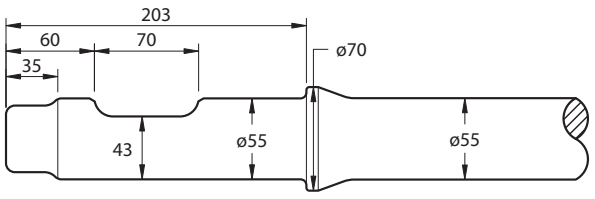
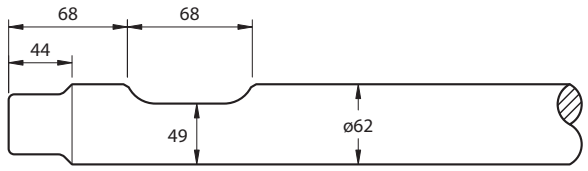
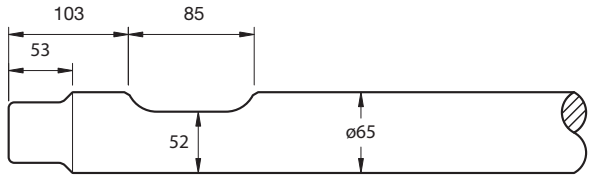
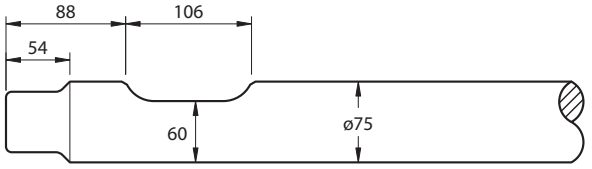
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
94	**Krupp HM50/55** 	Point Chisel	580 580	KR11P0580 KR11C0580	5 5
95	**Krupp HM60V** 	Point Chisel	500 500	KR35P0500 KR35C0500	6 6
96	**Krupp HM60/75** 	Point Chisel	600 600	KR12P0600 KR12C0600	9 9
97	**Krupp HM85/90/90V** 	Point Chisel	600 600	KR31P0600 KR31C0600	14 14
98	**Krupp HM130/140V** 	Point Chisel	780 780	KR14P0780 KR14C0780	18 18
99	**Krupp HM185/190V** 	Point Chisel	800 800	KR15P0800 KR15C0800	24 24

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
100	**Krupp HM200**	Point Chisel	835 835	KR16P0840 KR16C0840	29 29
101	**Krupp HM220/230** Krupp AT220, Chicago Pneumatic CP400/550, Berco BB80	Point Chisel	900 900	KR34P0900 KR34C0900	29 29
102	**Krupp HM300/301/305**	Point Chisel	900 900	KR17P0900 KR17C0900	30 30
103	**Krupp HM350/350V** Atlas Copco MB500	Point Chisel	900 900	KR32P0900 KR32C0900	36 36
104	**Krupp HM550/560V**	Point Chisel	1000 1000	KR19P1000 KR19P1000	55 55
105	**Krupp HM580** Atlas Copco MB800, Chicago Pneumatic CP750	Point Chisel	1000 1000	KR38P1000 KR38P1000	55 55

KRUPP

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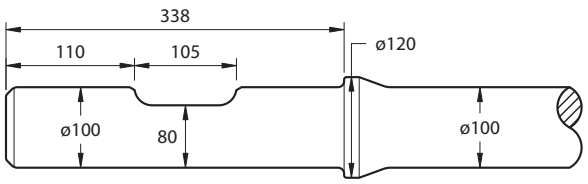
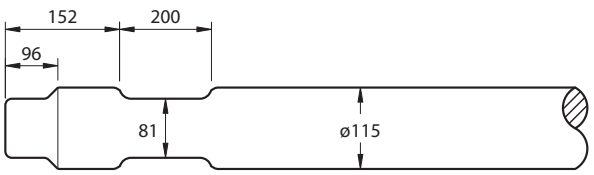
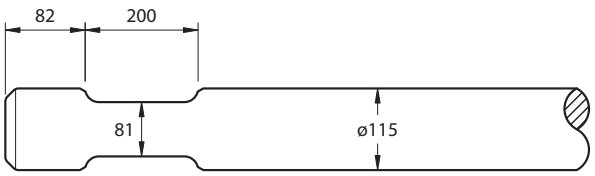
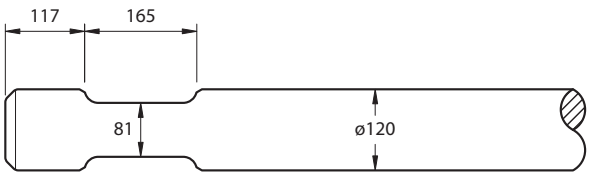
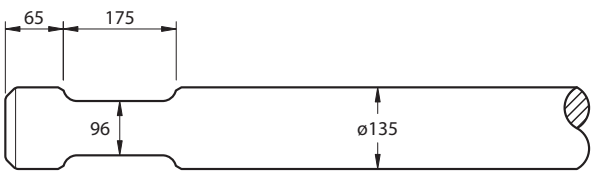
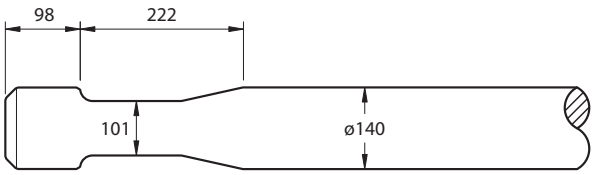
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
106	**Krupp HM600/601**	Point	1000	KR20P1000	56
		Chisel	1000	KR20P1000	56
107	**Krupp HM700/701/702/705**	Point	1150	KR21P1150	86
		Chisel	1150	KR21C1150	86
		Blunt	1050	KR21B1050	79
108	**Krupp HM710/720**	Point	1080	KR22P1080	82
	Chicago Pneumatic CP1150	Chisel	1080	KR22C1080	82
		Blunt	1000	KR22B1000	76
109	**Krupp HM780**	Point	1150	KR39P1150	94
	Atlas Copco MB1200	Chisel	1150	KR39C1150	94
		Blunt	1050	KR39B1050	86
		Blunt	1150	KR39B1150	94
110	**Krupp HM950/960**	Point	1080	KR25P1080	110
	Chicago Pneumatic CP1650	Point	1350	KR25C1350	137
		Chisel	1080	KR25C1080	110
		Chisel	1350	KR25C1350	137
		Blunt	1080	KR25B1080	110
111	**Krupp HM1000**	Point	1200	KR37P1200	137
	Atlas Copco MB1700	Chisel	1200	KR37C1200	137
		Blunt	1100	KR37B1100	126

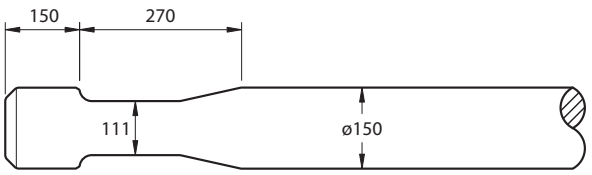
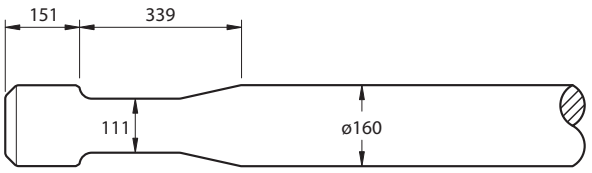
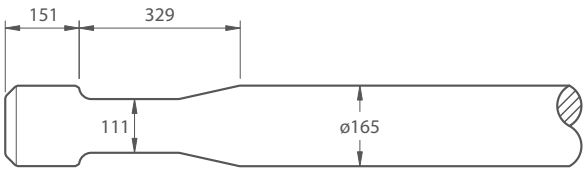
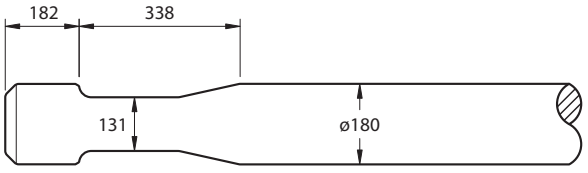
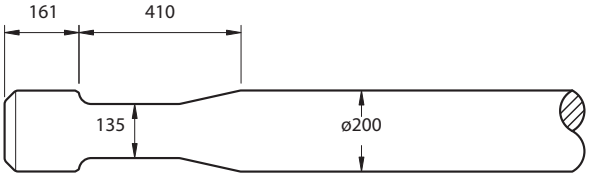
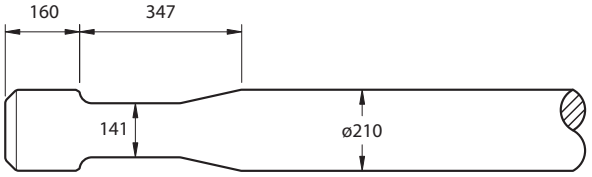
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
112	**Krupp HM1500MV** Atlas Copco HB2200, Chicago Pneumatic CP2250 	Point Chisel Blunt	1300 1300 1150	KR28P1300 KR28C1300 KR28B1150	178 178 158
113	**Krupp HM2000MV** 	Point Chisel Blunt	1400 1400 1250	KR29P1400 KR29C1400 KR29B1250	220 220 197
114	**Krupp HM2100/2300** Atlas Copco HB3000, Chicago Pneumatic CP3050 	Point Chisel Blunt	1500 1500 1350	KR40P1500 KR40C1500 KR40B1350	223 223 201
115	**Krupp HM2500/2600MV** Atlas Copco HB4200, Chicago Pneumatic CP4250 	Point Chisel Blunt	1500 1500 1350	KR30P1500 KR30C1500 KR30B1350	300 300 270
116	**Krupp HM3000** Atlas Copco HB5800 	Point Chisel Blunt	1700 1700 1500	KR46P1700 KR46C1700 KR46B1500	405 405 358
117	**Krupp HM4000** Atlas Copco HB7000 	Point Chisel Blunt	1800 1800 1600	KR33P1800 KR33C1800 KR33B1600	458 458 408

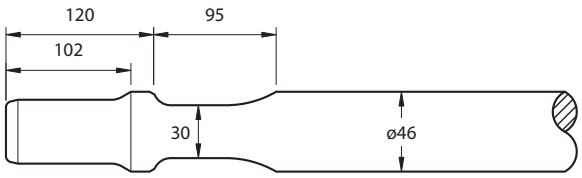
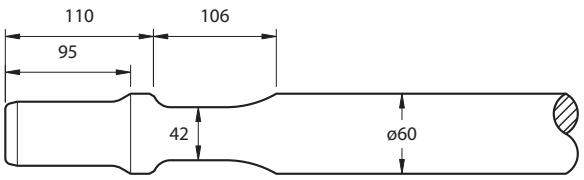
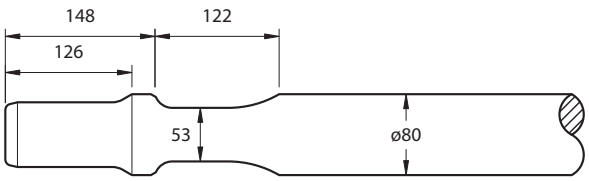
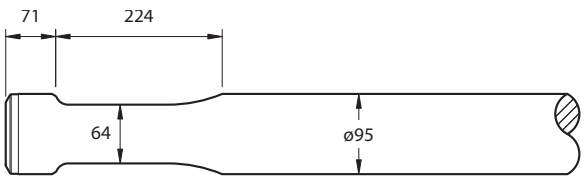
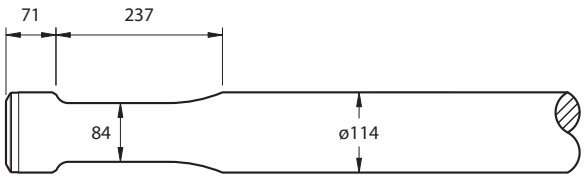
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
118	**Montabert BRH40** Idromeccanica IMI85, Italdem K80, OCM 8, Omal 80, OMD 8, Promove PMV90/P3SH, Star SH40 	Point	500	MB11P0500	5
		Point	700	MB11P0700	7
		Chisel	500	MB11C0500	5
		Chisel	700	MB11C0700	7
119	**Montabert BRH76/91** 	Point	550	MB12P0550	11
		Chisel	550	MB12C0550	11
120	**Montabert BRH125** Idromeccanica IMI260, Italdem K270, OCM 25, Omal 270, OMD 30, Promove PMV290/390/P12SH, Star SH280 	Point	650	MB13P0650	21
		Point	760	MB13P0650	24
		Point	950	MB13P0950	30
		Chisel	650	MB13C0650	21
		Chisel	760	MB13C0760	24
		Chisel	950	MB13C0950	30
121	**Montabert BRH250/270** Idromeccanica IMI600, Italdem K550, OCM 55, Omal 500, OMD 50, Promove PMV690/P16SH, Star SH560 	Point	850	MB14P0850	43
		Point	1000	MB14P1000	52
		Chisel	850	MB14C0850	43
		Chisel	1000	MB14C1000	52
122	**Montabert BRH501/570** Idromeccanica IMI1000, Indeco MES1750, Italdem K1000, OCM 100, Omal 1000, OMD 100, Promove PMV 1000/P23SH, Star SH990 	Point	1000	MB15P1000	76
		Point	1300	MB15P1300	95
		Chisel	1000	MB15C1000	76
		Chisel	1300	MB15C1300	95
		Blunt	1000	MB15B1000	76

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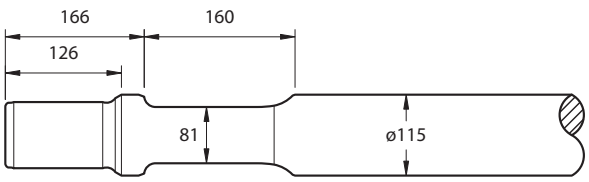
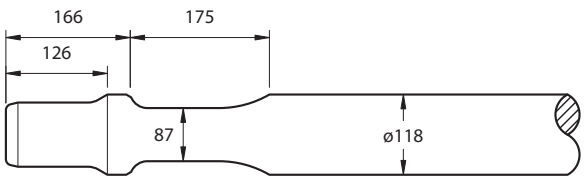
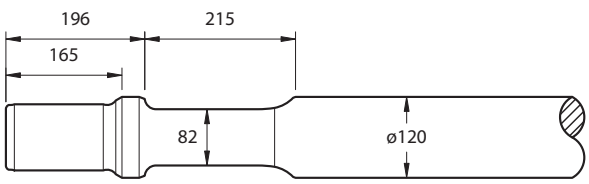
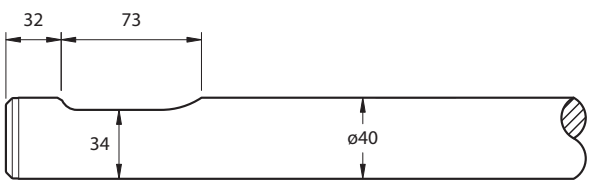
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
123	**Montabert BRH620**	Point	1000	MB16P1000	75
		Chisel	1000	MB16P1000	75
					
124	**Montabert BRH625/900**	Point	1000	MB17P1000	78
	Italdem K1030, Promove P22, Star SH1200	Point	1150	MB17P1150	89
		Chisel	1000	MB17C1000	78
		Chisel	1150	MB17C1150	89
		Blunt	1000	MB17B1000	78
					
125	**Montabert BRH750**	Point	1100	MB18P1100	93
	Italdem K1300, OCM130, Promove PMV1390/P27SH, Star SH1400	Chisel	1100	MB18C1100	93
		Blunt	1000	MB18B1000	85
					
126	**Montabert 30**	Point	410	MB35P0410	3
	Bobcat B300	Chisel	410	MB35C0410	3
					
127	**Montabert 50/50SMS**	Point	430	MB33P0430	6
	Bobcat B500	Point	630	MB33P0630	8
		Chisel	430	MB33C0430	6
		Chisel	630	MB33C0630	8

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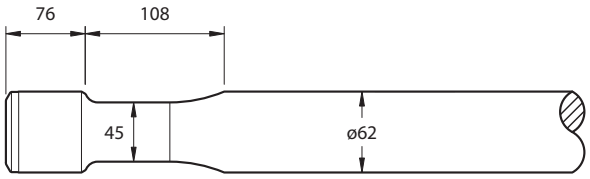
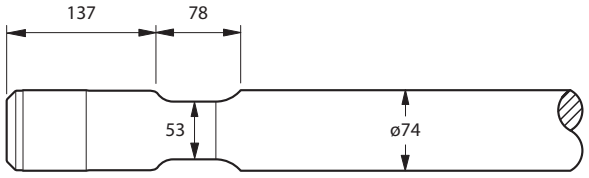
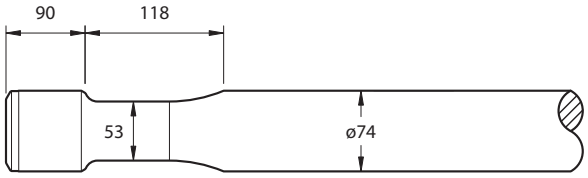
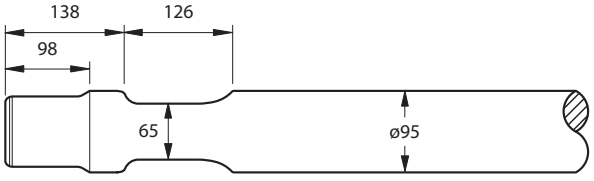
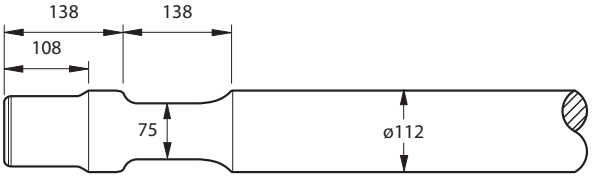
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
128	**Montabert 70/70SMS** Bobcat B700 	Point Point Chisel Chisel	510 710 510 710	MB34P0510 MB34P0710 MB34C0510 MB34C0710	7 9 7 9
129	**Montabert 85/85SMS/90/90SMS** Bobcat B850/B950 	Point Chisel	620 620	MB37P0620 MB37C0620	12 12
130	**Montabert 125SX** 	Point Chisel	750 750	MB40P0750 MB40C0750	22 22
131	**Montabert 140/140SMS/150/150SMS** 	Point Point Chisel Chisel	740 950 740 950	MB36P0740 MB36P0950 MB36C0740 MB36C0950	22 28 22 28
132	**Montabert 300/300MS** 	Point Chisel	850 850	MB39P0850 MB39C0850	43 43
133	**Montabert 700/700SMS** 	Point Chisel	1000 1000	MB25P1000 MB25C1000	70 70

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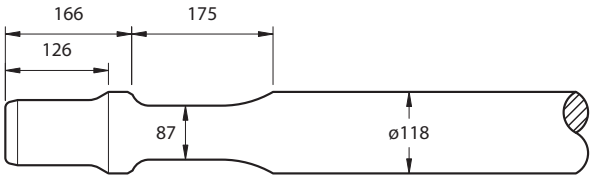
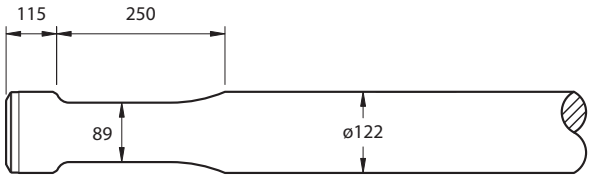
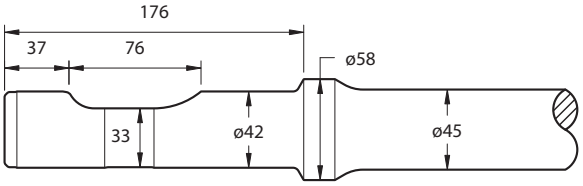
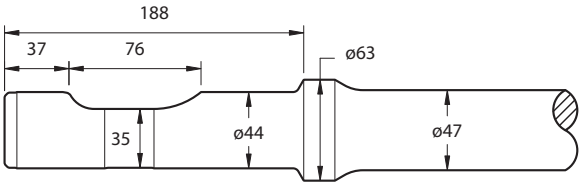
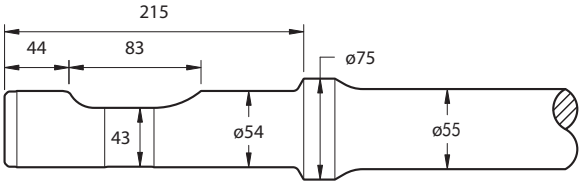
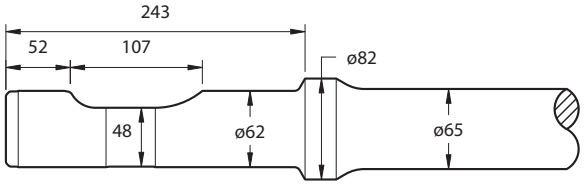
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
134	**Montabert 900/900MS/BRH625**	Point	1000	MB17P1000	78
		Point	1150	MB17P1150	89
		Chisel	1000	MB17C1000	78
		Chisel	1150	MB17C1150	89
		Blunt	1000	MB17B1000	78
135	**Montabert V1200/V1200MS/V32/V32MS**	Point	1100	MB21P1100	100
		Point	1300	MB21P1300	118
		Chisel	1100	MB21C1100	100
		Chisel	1300	MB21C1300	118
		Blunt	1100	MB21B1100	100
136	**Montabert Silver Clip 08 (SC08)**	Point	455	MB46P0460	4
		Chisel	455	MB46C0460	4
		Pyramid Pt	455	MB46PP0460	4
137	**Montabert Silver Clip 12 (SC12)** Bobcat 580	Point	475	MB41P0480	5
		Chisel	475	MB41C0480	5
		Pyramid Pt	475	MB41PP0480	5
138	**Montabert Silver Clip 16 (SC16)** Bobcat 680	Point	550	MB43P0550	9
		Chisel	550	MB43C0550	9
		Pyramid Pt	550	MB43PP0550	9
139	**Montabert Silver Clip 22 (SC22)** Bobcat 880	Point	580	MB44P0580	13
		Chisel	580	MB44C0580	13
		Pyramid Pt	580	MB44PP0580	13

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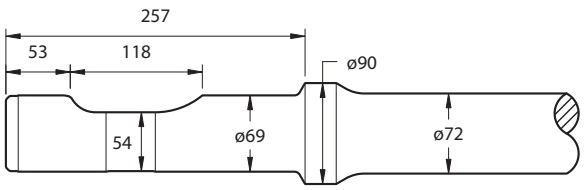
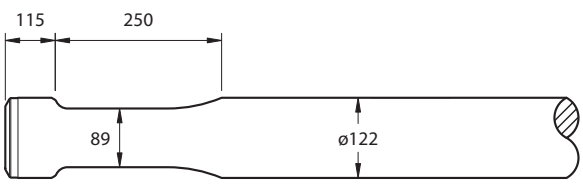
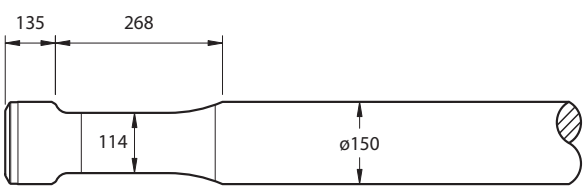
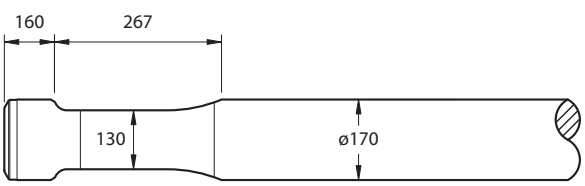
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
140	**Montabert Silver Clip 28 (SC28)** Bobcat 980 	Point Chisel Pyramid Pt	620 620 620	MB42P0620 MB42C0620 MB42PP0620	18 18 18
141	**Montabert V32/V32MS/V1200** 	Point Point Chisel Chisel Blunt	1100 1300 1100 1300 1100	MB21P1100 MB21P1300 MB21C1100 MB21C1300 MB21B1100	100 118 100 118 100
142	**Montabert V43** 	Point Chisel Blunt	1250 1250 1100	MB22P1250 MB22C1250 MB22B1100	172 172 152
143	**Montabert V53** 	Point Chisel Blunt	1400 1400 1250	MB24P1400 MB24C1400 MB24B1250	230 230 206

MSB

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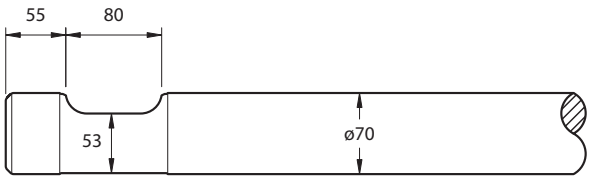
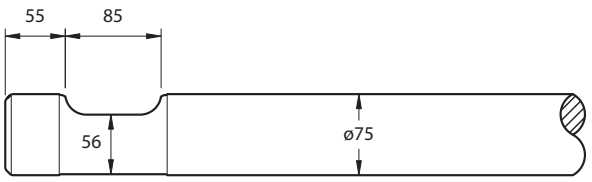
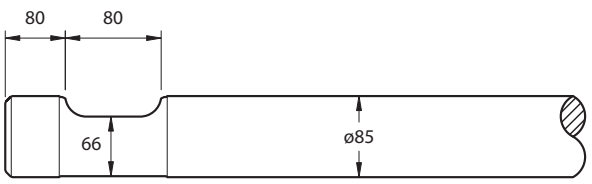
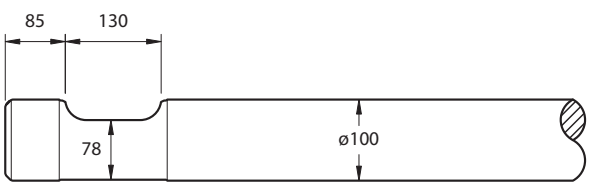
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
144	**MSB MS200** Wimmer W-220 	Point Chisel	680 680	MS12P0680 MS12C0680	20 20
145	**MSB MS250** 	Point Chisel	700 700	MS22P0730 MS22C0730	21 21
146	**MSB MS300** Wimmer W-330 	Point Chisel	790 790	MS13P0790 MS13C0790	28 28
147	**MSB MS400** Wimmer W-440 	Point Chisel	920 920	MS14P0920 MS14C0920	48 48
148	**MSB MS450** 	Point Chisel	920 920	MS23P0920 MS23C0920	52 52

MSB

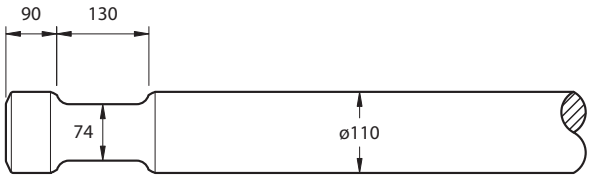
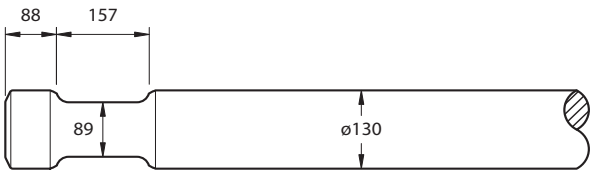
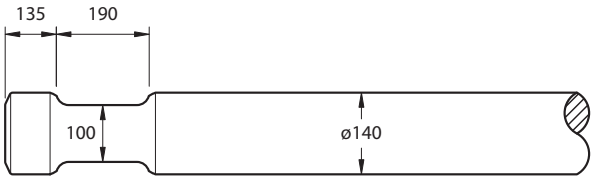
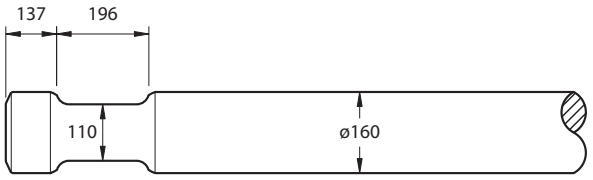
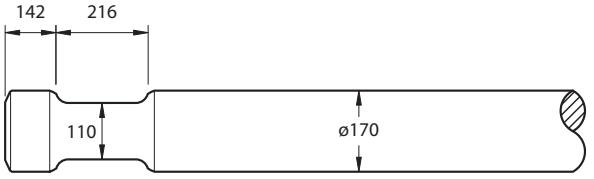
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
149	**MSB MS500** Wimmer W-550 	Point Chisel	1050 1050	MS15P1050 MS15C1050	64 64
150	**MSB MS600 (New)** 	Point Chisel Blunt	1200 1200 1100	MS20P1200 MS20C1200 MS20B1100	111 111 102
151	**MSB MS700** Wimmer W-770 	Point Chisel Blunt	1200 1200 1100	MS21P1200 MS21C1200 MS21B1100	137 137 126
152	**MSB MS800** Wimmer W-880 	Point Chisel Blunt	1400 1400 1250	MS24P1400 MS24C1400 MS24B1250	206 206 184
153	**MSB MS900** Wimmer W-990 	Point Chisel Blunt	1450 1450 1300	MS19P1450 MS19C1450 MS19B1300	240 240 215

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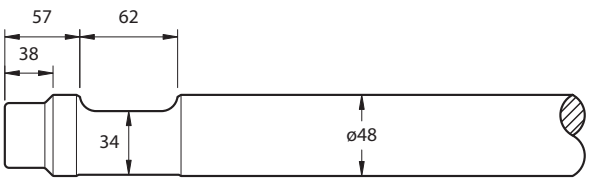
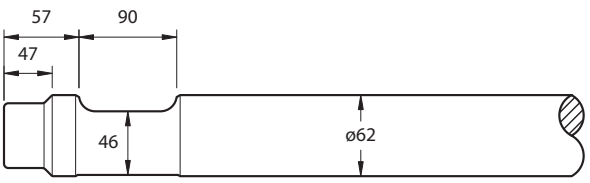
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
154	MSB Saga 1000	Point	500	MS26P0500	6
		Chisel	500	MS26C0500	6
155	MSB Saga 1500	Point	580	MS27P0580	11
		Chisel	580	MS27C0580	11
156	MSB Saga 2000	Point	630	MS28P0630	15
		Chisel	630	MS28C0630	15





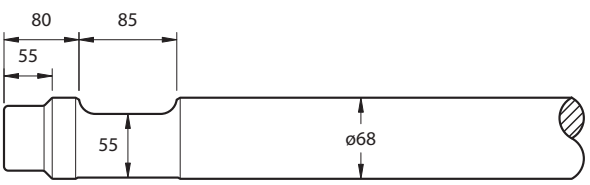


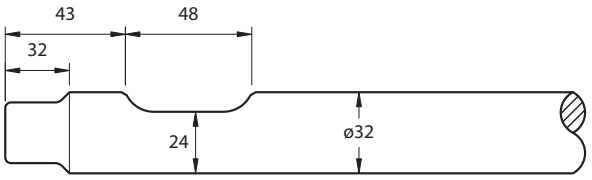
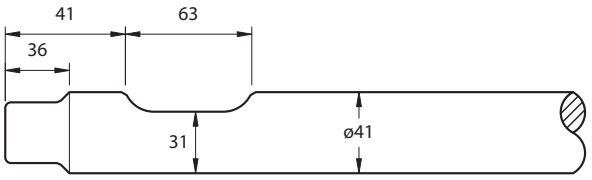
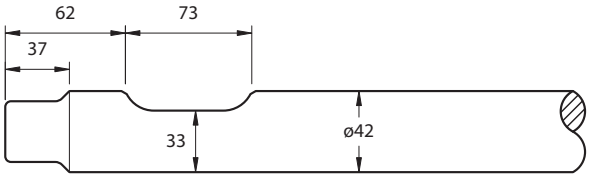
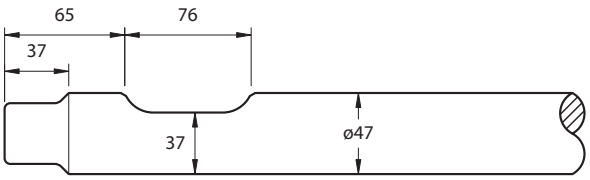
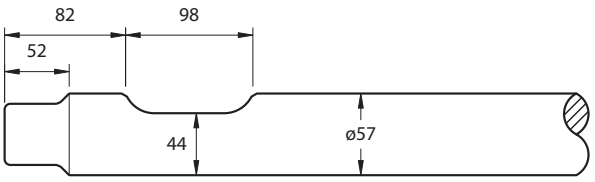
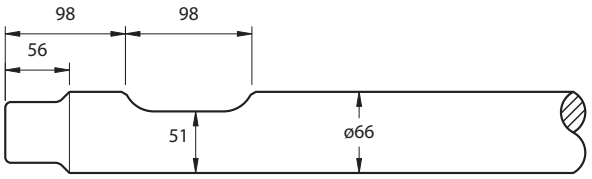
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
157	**NPK E-102** 	Point Chisel	390 390	NP58P0390 NP58C0390	2 2
158	**NPK E-106** 	Point Chisel	410 410	NP59P0410 NP59C0410	4 4
159	**NPK E-200** 	Point Chisel	500 500	NP43P0500 NP43C0500	5 5
160	**NPK E-201** 	Point Chisel	550 550	NP44P0550 NP44C0550	6 6
161	**NPK E-202** 	Point Chisel	650 650	NP45P0650 NP45C0650	9 9
162	**NPK E-203** 	Point Chisel	700 700	NP46P0700 NP46C0700	17 17

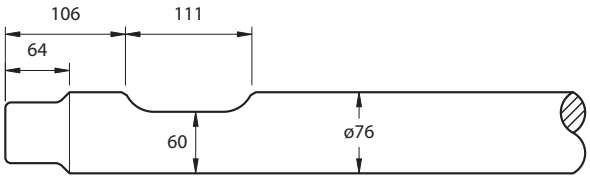
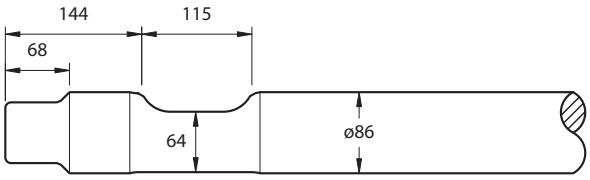
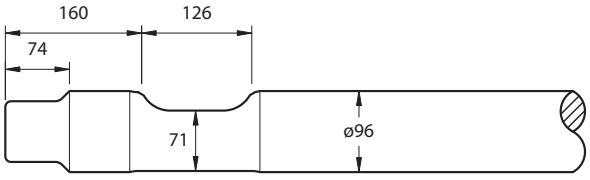
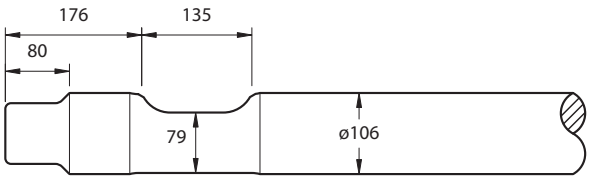
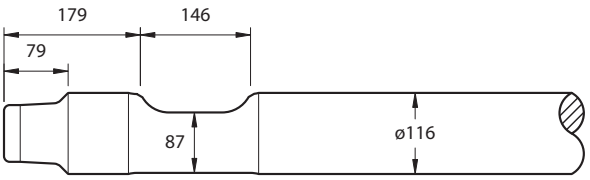
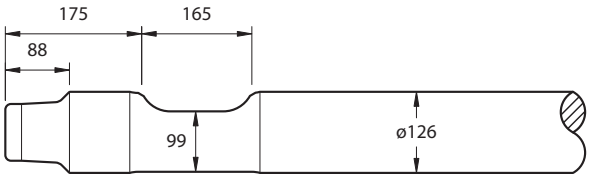
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
163	NPK E-204	Point	750	NP47P0750	22
		Chisel	750	NP47C0750	22
164	NPK E-205	Point	850	NP48P0850	31
		Chisel	850	NP48C0850	31
165	NPK E-206	Point	940	NP49P0940	49
		Chisel	940	NP49C0940	49
166	NPK E-207	Point	950	NP53P0950	63
		Chisel	950	NP53C0950	63
167	NPK E-208A	Point	1050	NP54P1050	81
		Chisel	1050	NP54C1050	81
168	NPK E-210	Point	1100	NP26P1100	93
		Chisel	1100	NP26C1100	93

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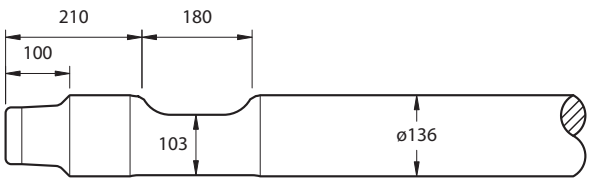
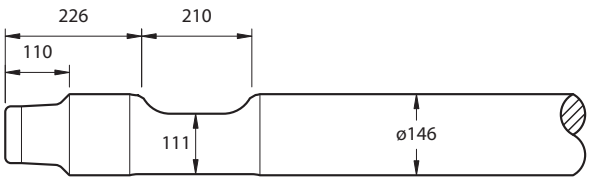
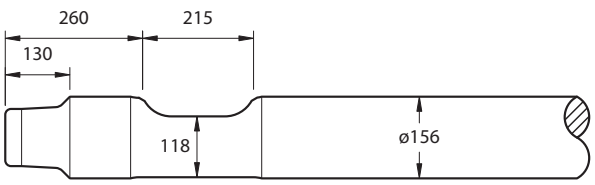
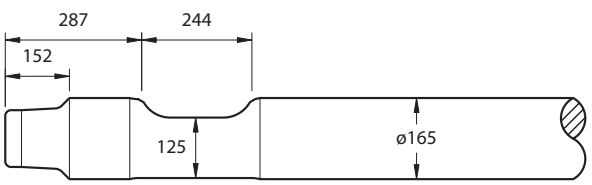
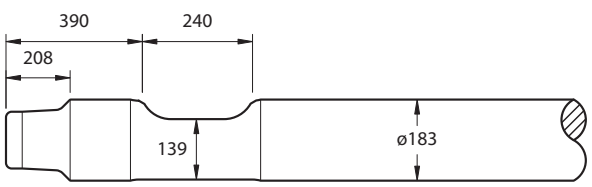
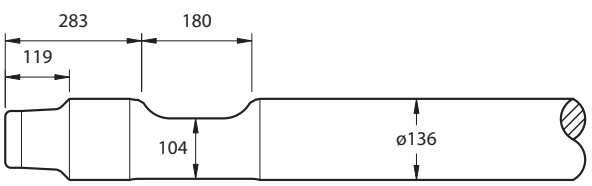
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
169	**NPK E-213**	Point	1200	NP34P1200	121
		Chisel	1200	NP34C1200	121
		Blunt	1100	NP34B1100	111
170	**NPK E-216**	Point	1300	NP37P1300	145
		Chisel	1300	NP37C1300	145
		Blunt	1150	NP37B1150	129
171	**NPK E-220**	Point	1350	NP35P1350	183
		Chisel	1350	NP35C1350	183
		Blunt	1200	NP35B1200	163
172	**NPK E-225**	Point	1525	NP39P1530	227
		Chisel	1525	NP39C1530	227
		Blunt	1350	NP39B1350	201
173	**NPK E-240A**	Point	1700	NP56P1800	360
		Chisel	1700	NP56C1800	360
		Blunt	1500	NP56B1500	318
174	**NPK GH10**	Point	1200	NP55P1200	115
		Chisel	1200	NP55C1200	115
		Blunt	1100	NP55B1100	105

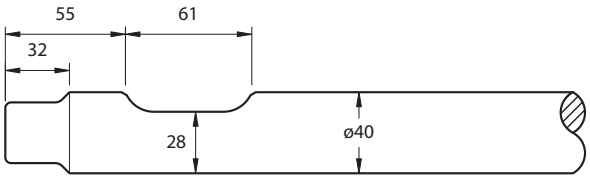
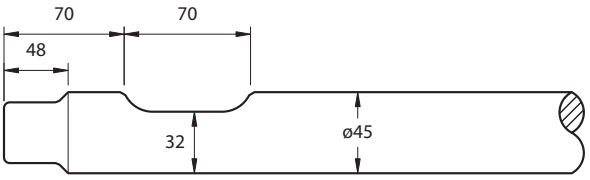
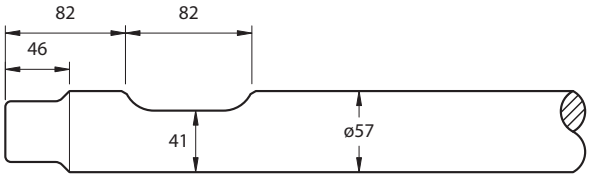
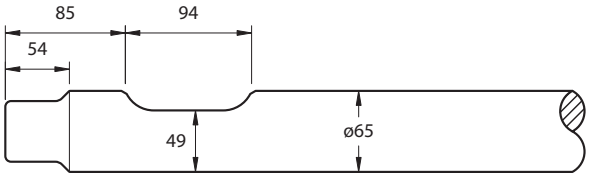
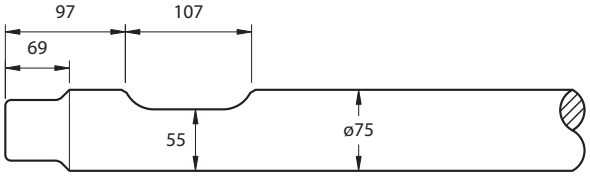
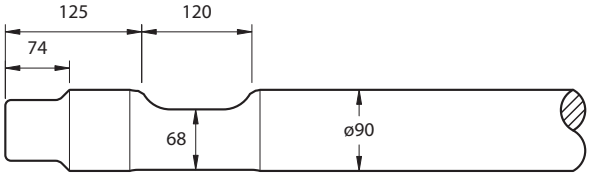
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
175	**NPK H-06X**	Point	470	NP10P0470	4
		Chisel	470	NP10C0470	4
					
176	**NPK H-08XA** Arrowhead 2T	Point	480	NP11P0480	5
		Chisel	480	NP11C0480	5
					
177	**NPK H-1XA**	Point	580	NP13P0580	10
		Chisel	580	NP13C0580	10
					
178	**NPK H-2XA/H-2XE** Arrowhead 4T	Point	620	NP14P0620	15
		Chisel	620	NP14C0620	15
					
179	**NPK H-3XA/H-3XE** Arrowhead 6T	Point	710	NP16P0710	21
		Chisel	710	NP16C0710	21
					
180	**NPK H-4X**	Point	780	NP17P0780	32
		Chisel	780	NP17C0780	32
					

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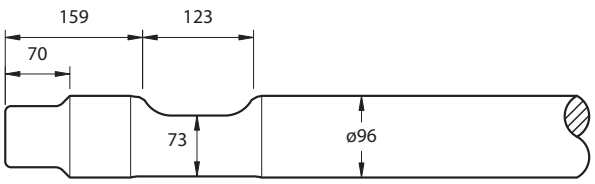
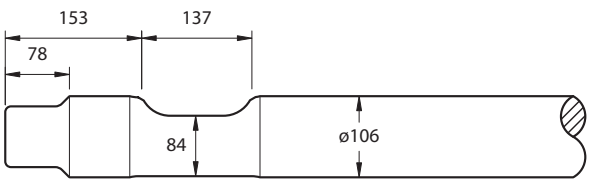
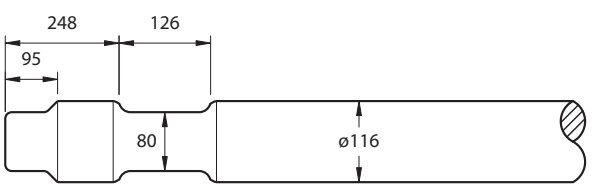
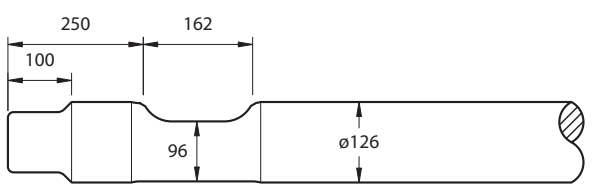
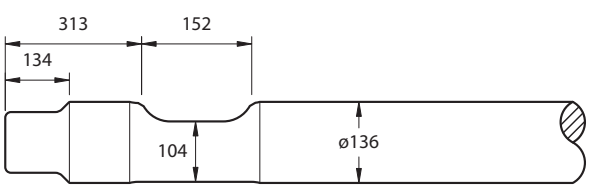
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
181	**NPK H-6XA**	Point	920	NP18P0920	48
		Chisel	920	NP18C0920	48
182	**NPK H-7XA**	Point	930	NP20P0930	57
		Chisel	930	NP20C0930	57
183	**NPK H-8XA**	Point	1015	NP22P1015	74
		Chisel	1015	NP22C1015	74
184	**NPK H-10XB/H-10XE**	Point	1100	NP27P1100	93
		Chisel	1100	NP27P1100	93
		Blunt	1000	NP27B1000	85
185	**NPK H-12XE**	Point	1200	NP28P1200	115
		Chisel	1200	NP28C1200	115
		Blunt	1100	NP28B1100	106

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Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
186	**Rammer S18/ Piccolo** Kubota KXB300/350, Volvo HB80	Point	400	RM60P0400	4
		Chisel	400	RM60C0400	4
187	**Rammer S21** Caterpillar H45FT, Bobcat 1750, Case CB140, JCB HM160, Kubota KXB400/BTB400, O&K H32, Volvo HB130	Point	480	RM11P0480	5
		Point	560	RM11P0560	6
		Chisel	480	RM11C0480	5
		Chisel	560	RM11C0560	6
188	**Rammer S22** Caterpillar H50FT, Case CB200, Kubota KXB450, O&K H45, Volvo HB200	Point	530	RM25P0530	8
		Point	600	RM25P0600	9
		Chisel	530	RM25C0530	8
		Chisel	600	RM25C0600	9
189	**Rammer S23** Caterpillar H63/H63FT, Case CB370, JCB HM260, Kubota KXB500, O&K H65, Volvo HB300	Point	680	RM12P0680	15
		Point	780	RM12P0780	17
		Chisel	680	RM12C0680	15
		Chisel	780	RM12C0780	17
190	**Rammer S25** Caterpillar H70/H70FT, Case CB620, JCB HM360, Kubota KXB600, O&K H85, Volvo HB440	Point	730	RM14P0730	20
		Point	830	RM14P0830	23
		Chisel	730	RM14C0730	20
		Chisel	830	RM14C0830	23
191	**Rammer S26**	Point	850	RM15P0850	35
		Chisel	850	RM15C0850	35

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Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
192	**Rammer S27** Caterpillar H90/H90FT, Case CB735, JCB HM550, O&K H120, Volvo HB600	Point Chisel	840 840	RM27P0840 RM27C0840	34 34
193	**Rammer S29** Caterpillar H100/H100FT, Case CB1150, JCB HM850, O&K H150, Volvo HB800	Point Chisel	900 900	RM24P0900 RM24C0900	47 47
194	**Rammer S52**	Point Chisel	900 900	RM16P0900 RM16C0900	55 55
195	**Rammer S54**	Point Chisel	1050 1050	RM17P1050 RM17C1050	80 80
196	**Rammer S55/E66** Caterpillar H120s, Case CB2850, JCB HM1350, O&K H260	Point Point Chisel Chisel Blunt	1050 1150 1050 1150 950	RM18P1050 RM18P1150 RM18C1050 RM18C1150 RM18B0950	80 88 80 88 73
197	**Rammer S56**	Point Chisel Blunt	1100 1100 1000	RM19P1100 RM19C1100 RM19B1000	102 102 93

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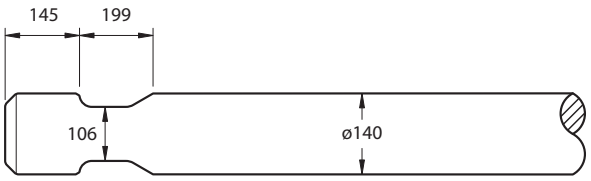
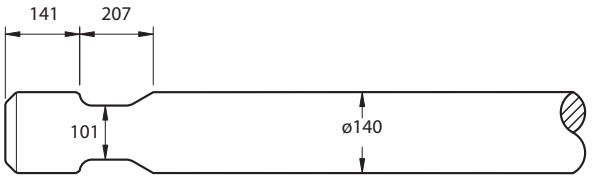
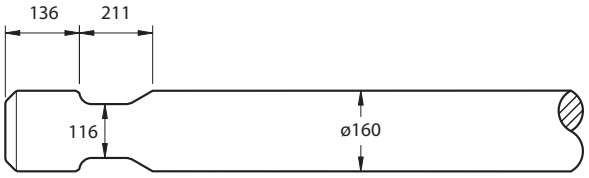
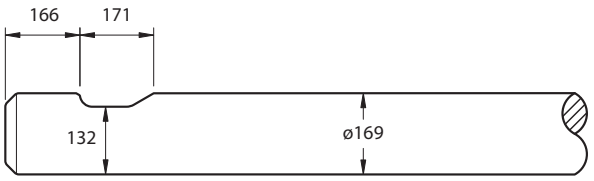
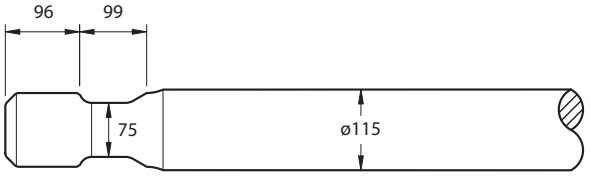
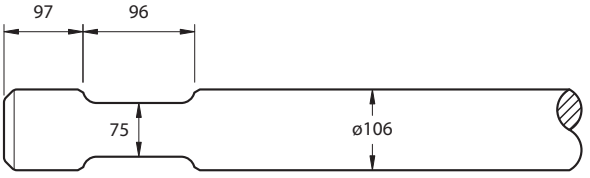
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
198	**Rammer S82** 	Point Chisel Blunt	1200 1200 1050	RM20P1200 RM20C1200 RM20B1050	137 137 122
199	**Rammer S83** Caterpillar H140As 	Point Chisel Blunt	1200 1200 1050	RM21P1200 RM21C1200 RM21B1050	137 137 122
200	**Rammer S84** Caterpillar H160As 	Point Chisel Blunt	1350 1350 1200	RM22P1350 RM22C1350 RM22B1200	195 195 173
201	**Rammer S86** 	Point Chisel Blunt	1450 1450 1300	RM23P1450 RM23C1450 RM23B1300	240 240 215
202	**Rammer E63** JCB HM1150, Volvo HB1100 	Point Chisel	1000 1000	RM34P1000 RM34C1000	68 68
203	**Rammer E64** Caterpillar H115s, Case CB1450, JCB HM1050, O&K H200 	Point Point Chisel Chisel	1050 1150 1050 1150	RM30P1050 RM30P1150 RM30C1050 RM30C1150	64 70 64 70

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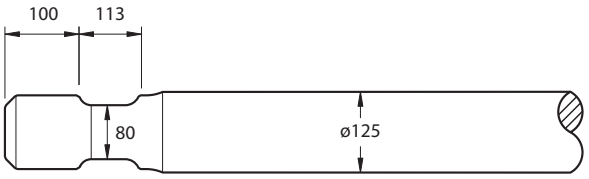
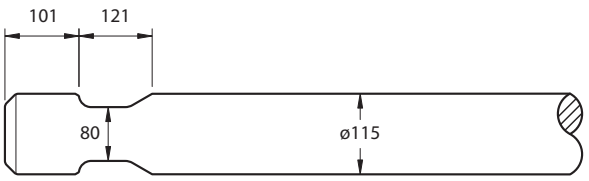
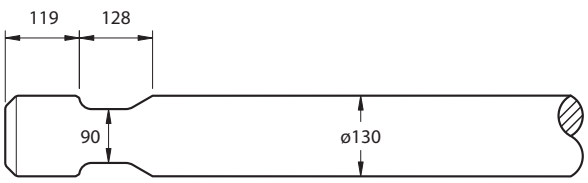
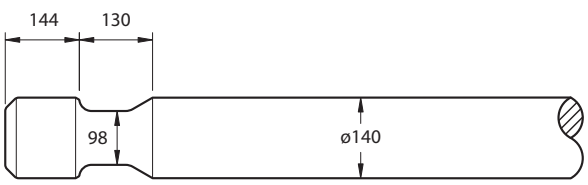
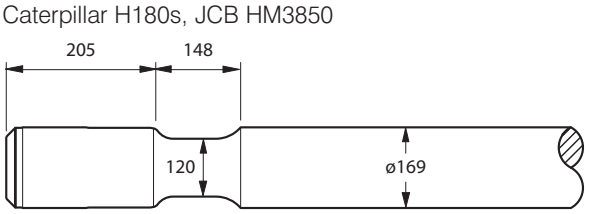
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
204	**Rammer E65** JCB HM1450, Volvo HB1400 	Point Chisel Blunt	1050 1050 850	RM33P1050 RM33C1050 RM33B0850	80 80 69
205	**Rammer E66/S55** Caterpillar H120s, Case CB2850, JCB HM1350, O&K H260 	Point Point Chisel Chisel Blunt	1050 1150 1050 1150 950	RM18P1050 RM18P1150 RM18C1050 RM18C1150 RM18B0950	80 88 80 88 73
206	**Rammer E68** Caterpillar H130s, Case CB3750, JCB HM1750, O&K H310, Volvo HB1700 	Point Point Chisel Chisel Blunt	1100 1200 1100 1200 900	RM32P1100 RM32P1200 RM32C1100 RM32C1200 RM32B0900	102 111 102 111 84
207	**Rammer G80** Caterpillar H140Cs/140Ds, Case CB4000, JCB HM2350, O&K H380, Volvo HB2400 	Point Chisel Blunt	1200 1200 1050	RM35P1200 RM35C1200 RM35B1050	137 137 122
208	**Rammer G90** Caterpillar H160Cs/160Ds, Case CB5200, JCB HM2950, O&K H530, Volvo HB3200 	Point Chisel Blunt	1400 1400 1250	RM36P1400 RM36C1400 RM36B1250	206 206 184
209	**Rammer G100** Caterpillar H180s, JCB HM3850 	Point Chisel Blunt	1450 1450 1300	RM41P1450 RM41C1450 RM41B1300	240 240 215

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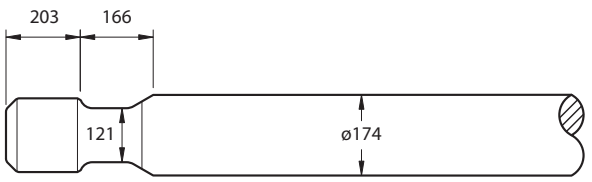
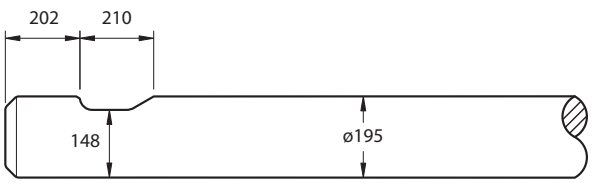
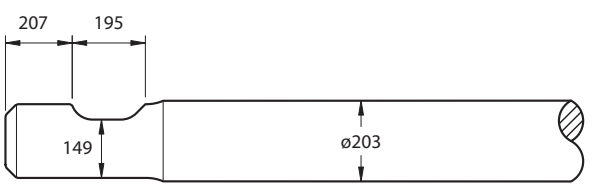
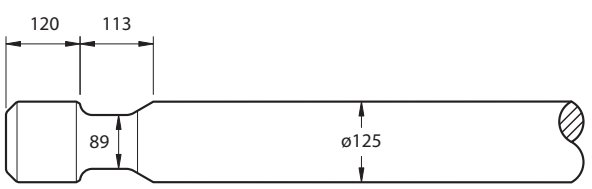
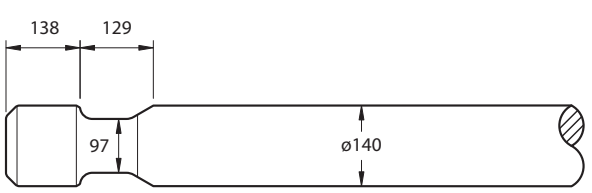
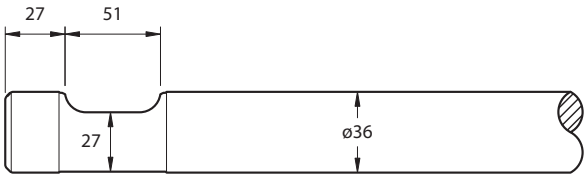
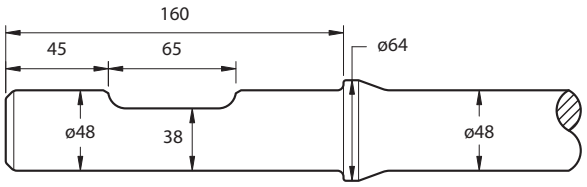
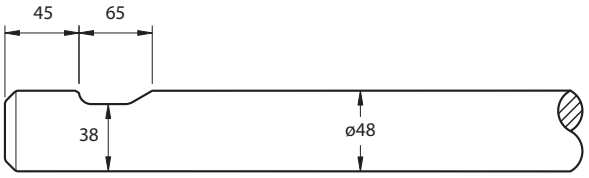
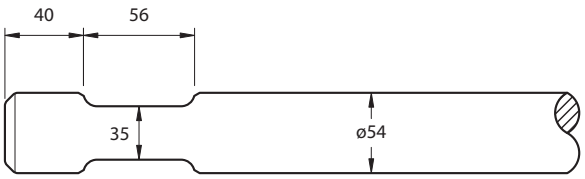
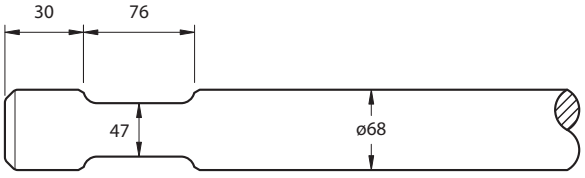
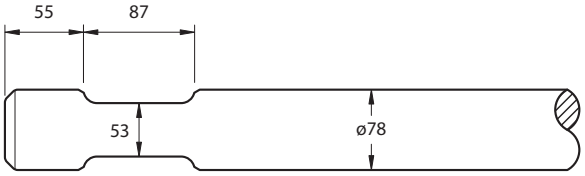
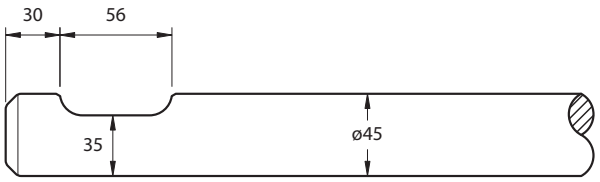
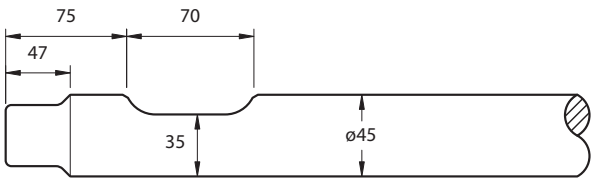
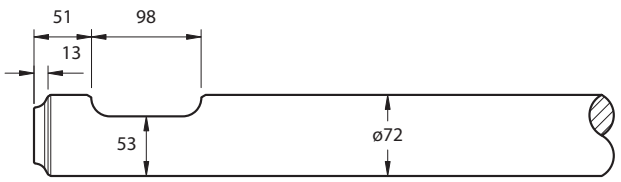
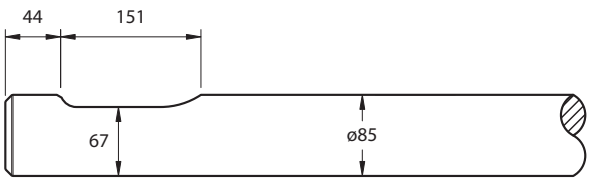
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
210	**Rammer G110** Caterpillar H180Ds, JCB HM3950, O&K H700, Volvo HB3800 	Point Chisel Blunt	1450 1450 1300	RM42P1450 RM42C1450 RM42B1300	240 240 216
211	**Rammer G120** Caterpillar H195 	Point Chisel Blunt	1500 1500 1350	RM40P1500 RM40C1500 RM40B1350	326 326 294
212	**Rammer G130** 	Point Chisel Blunt	1550 1550 1400	RM43P1550 RM43C1550 RM43B1400	340 340 308
213	**Rammer M14** 	Point Chisel	1100 1100	RM44P1100 RM44C1100	92 92
214	**Rammer M18** 	Point Chisel Blunt	1200 1200 1100	RM45P1200 RM45C1200 RM45B1100	137 137 126

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
215	**Rotair OL50** Furukawa F1/HB1G, Gehl G50S 	Point Chisel	400 400	FU21P0460 FU21C0460	2 2
216	**Rotair OL90 (With Collar)** Pel-Job MH90, Omal 80S 	Point Chisel	480 480	PJ11P0480 PJ11C0480	5 5
217	**Rotair OL90/95** Pel-Job MH95, Gehl G95S 	Point Chisel	480 480	RT11P0480 RT11C0480	5 5
218	**Rotair OL130/160** Pel-Job MH130/160, Gehl G160S 	Point Chisel	500 500	RT14P0500 RT14C0500	7 7
219	**Rotair OL180/260** Pel-Job MH180/260, Gehl G260S 	Point Chisel	550 550	RT12P0550 RT12C0550	14 14
220	**Rotair OL250/330** Gehl G330S 	Point Chisel	600 600	RT13P0600 RT13C0600	19 19

SOCOMEC

CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
221	**Socomec DMS 50**	Point	350	SO28P0350	3
		Chisel	350	SO28C0350	3
222	**Socomec DMS 95**	Point	480	SO25P0480	5
		Chisel	480	SO25C0480	5
223	**Socomec DMS 160**	Point	570	SO26P0570	14
		Chisel	570	SO26C0570	14
224	**Socomec DMS 220**	Point	600	SO21P0600	17
		Chisel	600	SO21C0600	17
225	**Socomec DMS 330**	Point	700	SO23P0700	21
		Chisel	700	SO23C0700	21
226	**Socomec DMS 430**	Point	780	SO27P0780	30
		Chisel	780	SO27C0780	30

SOCOMEC

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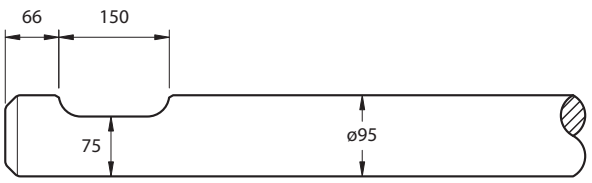
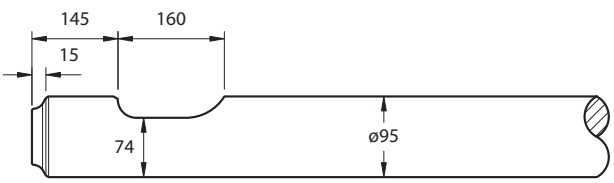
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
227	**Socomec DMS 740**	Point	900	SO34P0900	46
		Chisel	900	SO34C0900	46
228	**Socomec MDO 550**	Point	970	SO11P0970	50
		Chisel	970	SO11C0970	50
229	**Socomec MDO 750**	Point	1050	SO12P1050	80
		Chisel	1050	SO12C1050	80
230	**Socomec MDO 1450**	Point	1150	SO14P1150	107
		Chisel	1150	SO14C1150	107
		Blunt	1050	SO14B1050	98
231	**Socomec MDO 1950**	Point	1250	SO20P1250	142
		Chisel	1250	SO20C1250	142
		Blunt	1150	SO20B1150	131

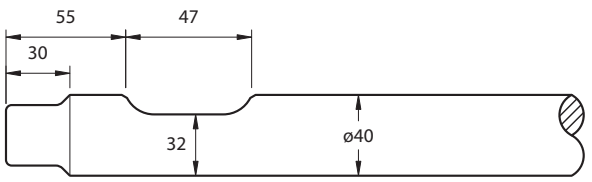
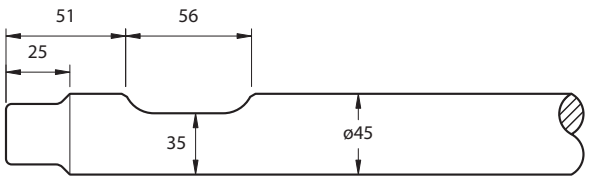
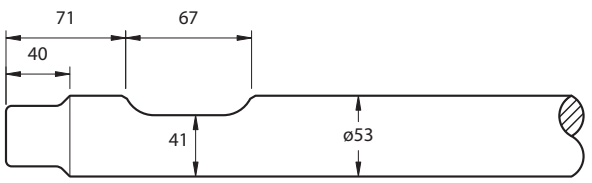
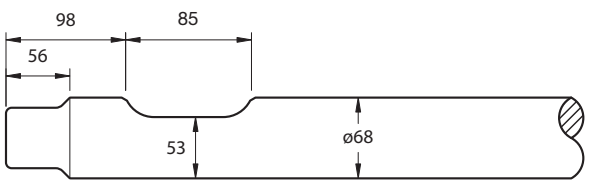
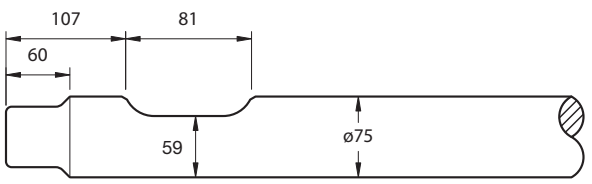
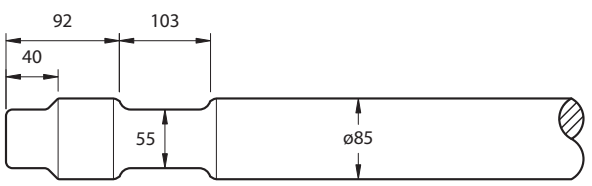




SOOSAN

CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
232	**Soosan SB10**	Point	450	SS18P0450	4
		Chisel	450	SS18C0450	4
233	**Soosan SB20**	Point	500	SS12P0500	5
		Chisel	500	SS12C0500	5
234	**Soosan SB30**	Point	570	SS10P0570	8
		Chisel	570	SS10C0570	8
235	**Soosan SB40** Stanley MB506	Point	710	SS11P0710	20
		Chisel	710	SS11C0710	20
236	**Soosan SB43**	Point	800	SS22P0800	24
		Chisel	800	SS22C0800	24
237	**Soosan SB45** Stanley MB20EX	Point	850	SS13P0850	30
		Chisel	850	SS13C0850	30

SOOSAN

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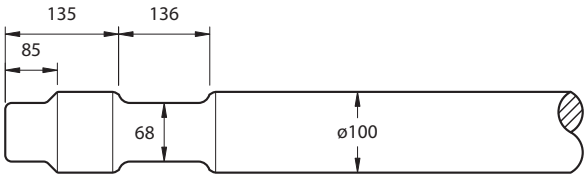
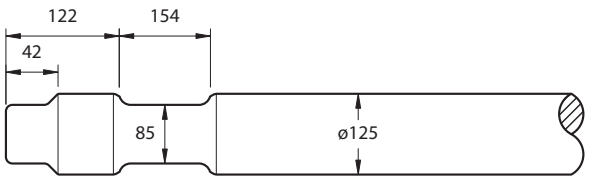
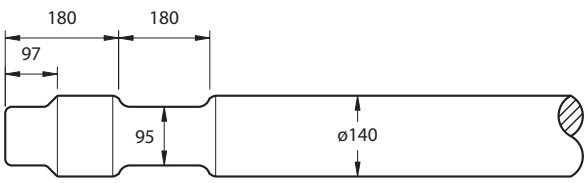
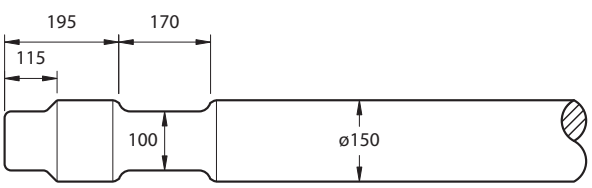
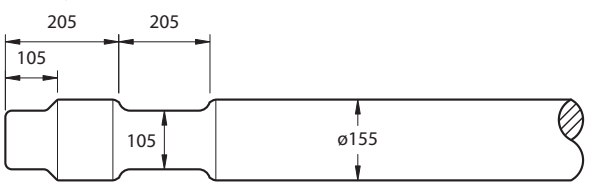
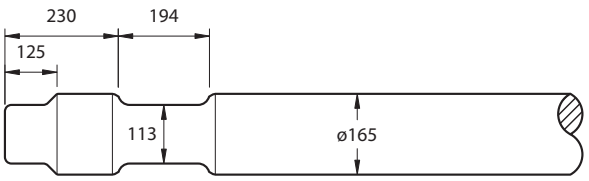
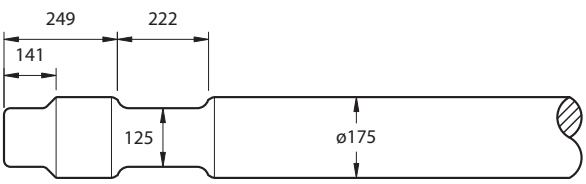
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
238	**Soosan SB50** Stanley MB30EX 	Point Chisel	1000 1000	SS14P1000 SS14C1000	55 55
239	**Soosan SB60** Stanley MB40EX 	Point Chisel	1050 1050	SS16P1050 SS16C1050	98 98
240	**Soosan SB81** Stanley MB50EX 	Point Chisel Blunt	1200 1200 1100	SS20P1200 SS20C1200 SS20B1100	125 125 115
241	**Soosan SB100** 	Point Chisel Blunt	1300 1300 1200	SS23P1300 SS23C1300 SS23B1300	178 178 165
242	**Soosan SB121** Stanley MB70EX 	Point Chisel Blunt	1300 1300 1200	SS19P1300 SS19C1300 SS19B1200	190 190 176

SOOSAN

CROSSBOW DEMOLITION TOOLS

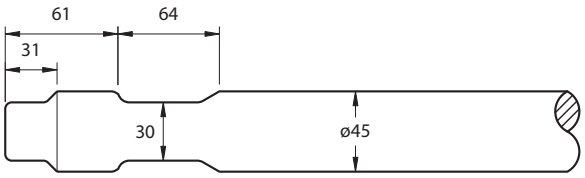
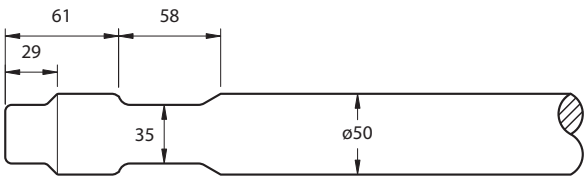
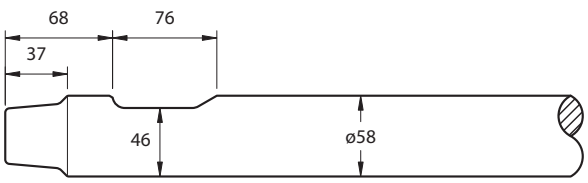
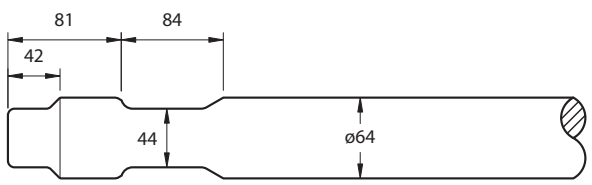
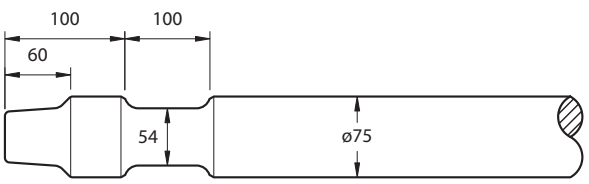
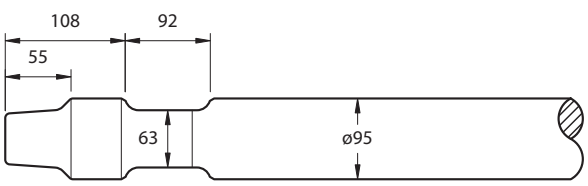
THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
243	**Soosan SB130/140** Stanley MB80EX 	Point Chisel Blunt	1400 1400 1250	SS24P1400 SS24C1400 SS24B1250	208 208 186
244	**Soosan SB151** Stanley MB100EX 	Point Chisel Blunt	1600 1600 1450	SS21P1600 SS21C1600 SS21B1450	300 300 272

TOKU

CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
245	**Toku TNB-08E/1M** Teledyne TB100 	Point Chisel	470 470	TK29P0470 TK29C0470	5 5
246	**Toku TNB-1E/2M** Drago DRH80, Teledyne TB120/125 	Point Point Chisel Chisel	500 600 500 600	TK11P0500 TK11P0600 TK11C0500 TK11C0600	7 8 7 8
247	**Toku TNB-2E/3M** Drago DRH120, Teledyne TB180/225 	Point Point Chisel Chisel	650 700 650 700	TK12P0650 TK12P0700 TK12C0650 TK12C0700	13 14 13 14
248	**Toku TNB-3E/4M** Drago DRH150, Teledyne TB275 	Point Point Chisel Chisel	650 700 650 700	TK20P0650 TK20P0700 TK20C0650 TK20C0700	15 16 15 16
249	**Toku TNB-4E/5M** Drago DRH180, Teledyne TB220/325 	Point Point Chisel Chisel	650 720 650 720	TK13P0650 TK13P0720 TK13C0650 TK13C0720	19 21 19 21
250	**Toku TNB-6E/7M** Drago DRH 280, Teledyne TB400/425/625 	Point Point Chisel Chisel	760 850 760 850	TK14P0760 TK14P0850 TK14C0760 TK14C0850	39 44 39 44

TOKU

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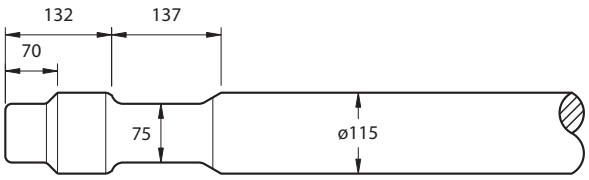
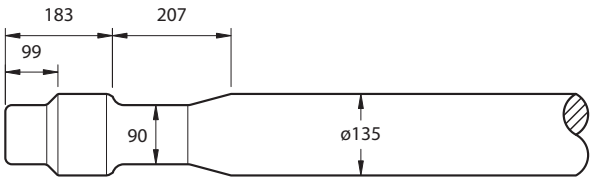
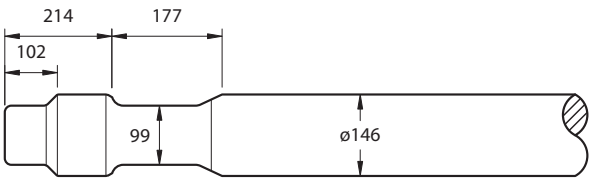
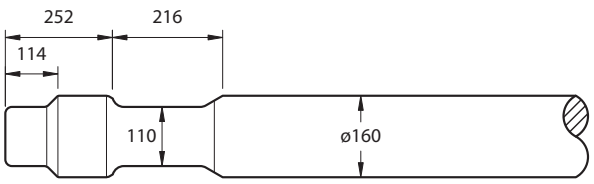
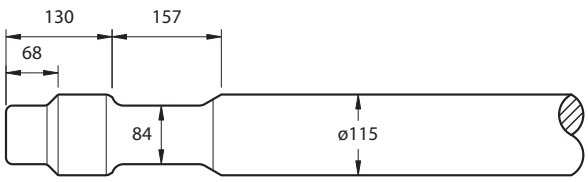
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
251	**Toku TNB-7E/10E** Drago DRH650S/900, Teledyne TB700/725/750/825 	Point Point Chisel Chisel	950 1000 950 1000	TK15P0950 TK15P1000 TK15C0950 TK15C1000	72 76 72 76
252	**Toku TNB-14E/16E** Drago DRH1150S/1600S, Teledyne TB900/925/975/1000/1025 	Point Chisel Blunt	1150 1150 1050	TK16P1150 TK16C1150 TK16B1050	115 115 105
253	**Toku TNB-22E/23E** Drago DRH1900, Teledyne TB1300/1425 	Point Chisel Blunt	1300 1300 1150	TK18P1300 TK18C1300 TK18B1150	145 145 129
254	**Toku TNB-30E/31E** Teledyne TB1825/2075 	Point Chisel Blunt	1500 1500 1350	TK27P1500 TK27C1500 TK27B1350	217 217 196
255	**Toku TNB-100** Teledyne TB830 	Point Chisel	1050 1050	TK21P1050 TK21C1050	80 80

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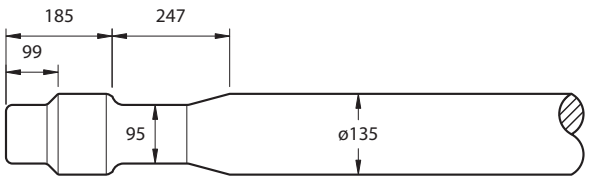
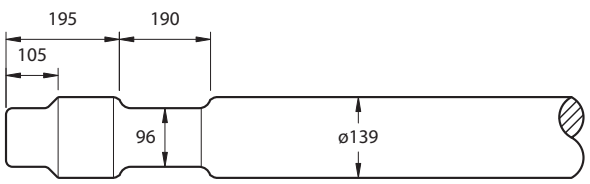
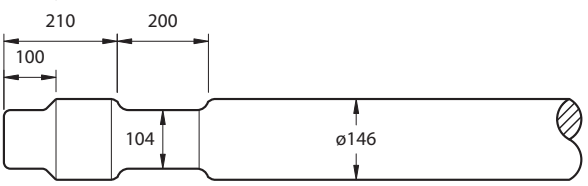
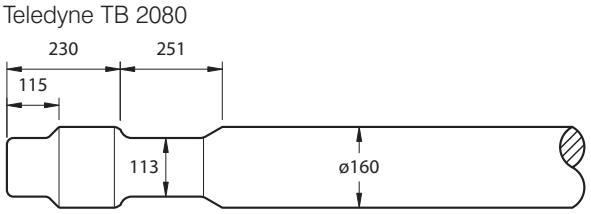
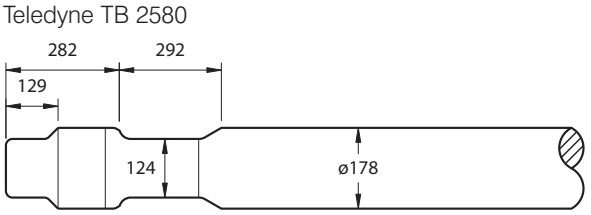
CROSSBOW DEMOLITION TOOLS

THOMAS TURTON

Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
256	**Toku TNB-150** Teledyne TB 980 	Point	1180	TK22P1180	118
		Point	1270	TK22P1270	118
		Chisel	1180	TK22C1180	127
		Chisel	1270	TK22C1270	127
		Blunt	1100	TK22B1100	110
257	**Toku TNB-190** 	Point	1200	TK25P1200	137
		Chisel	1200	TK25C1200	137
		Blunt	1100	TK25B1100	126
258	**Toku TNB-230** Teledyne TB1680 	Point	1220	TK23P1220	151
		Chisel	1220	TK23C1220	151
		Blunt	1100	TK23B1100	136
259	**Toku TNB-310** Teledyne TB 2080 	Point	1350	TK27P1350	212
		Chisel	1350	TK27C1350	212
		Blunt	1200	TK27B1200	189
260	**Toku TNB-400** Teledyne TB 2580 	Point	1550	TK32P1550	310
		Chisel	1550	TK32C1550	310
		Blunt	1400	TK32B1400	378

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CROSSBOW DEMOLITION TOOLS

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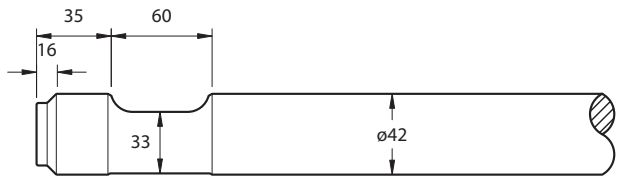
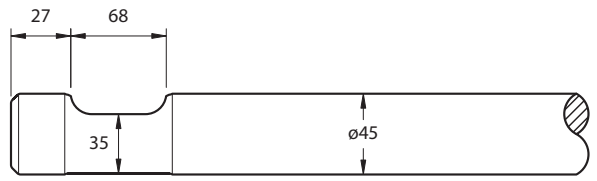
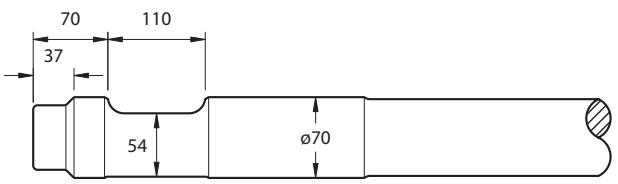
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
261	**Toyo THBB31** Dehaco DHB35, JKHB31, Takeuchi TKB31 	Point Chisel	350 350	T018P0350 T018C0350	2 2
262	**Toyo THBB51** Dehaco DHB55, JKHB51, Takeuchi TKB51 	Point Chisel	400 400	T019P0400 T019C0400	4 4
263	**Toyo THBB71** Dehaco DHB75, JKHB71, Takeuchi TKB71 	Point Chisel	450 450	T011P0450 T011C0450	5 5
264	**Toyo THBB101** Dehaco DHB165, JKHB101, Takeuchi TKB101 	Point Chisel	550 550	T012P0550 T012C0550	10 10
265	**Toyo THBB201** Takeuchi TKB201 	Point Chisel	700 700	T023P0700 T023C0700	19 19

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THOMAS TURTON

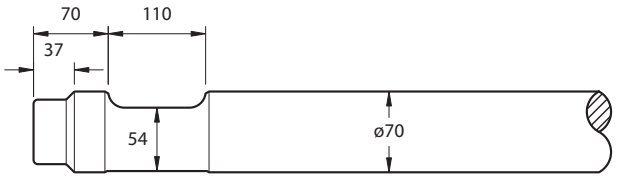
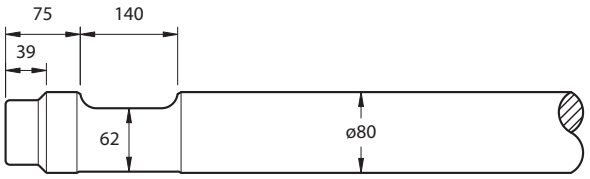
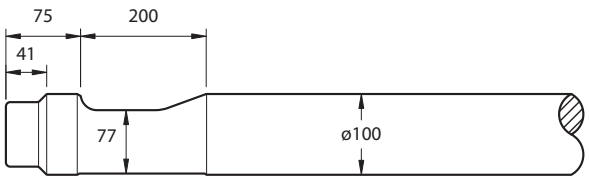
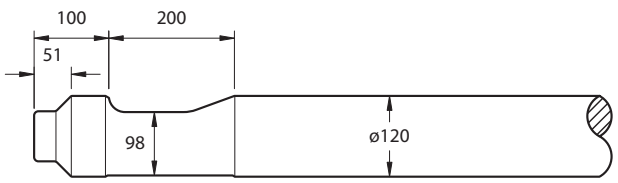
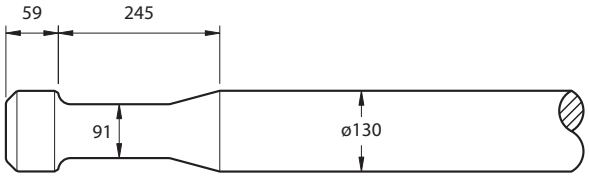
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
266	**Toyo THBB301** Dehaco DHB305, JKHB301, Takeuchi TKB301 	Point Chisel	750 750	T013P0750 T013C0750	21 21
267	**Toyo THBB401** Dehaco DHB405, JKHB401, Takeuchi TKB 401 	Point Chisel	900 900	T014P0900 T014C0900	30 30
268	**Toyo THBB801** Dehaco DHB805, JKHB801, Takeuchi TKB801 	Point Chisel	960 960	T015P0960 T015C0960	53 53
269	**Toyo THBB1101** Dehaco DHB1250, JKHB1101, Takeuchi TKB1101 	Point Chisel	1050 1050	T020P1050 T020C1050	91 91
270	**Toyo THBB1401** Dehaco DHB1305, JKHB 1401, Takeuchi TKB1401 	Point Chisel	1050 1050	T016P1050 T016C1050	101 101

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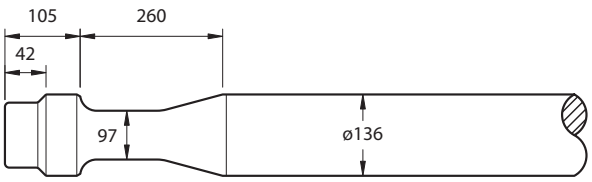
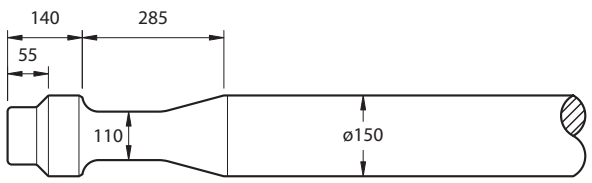
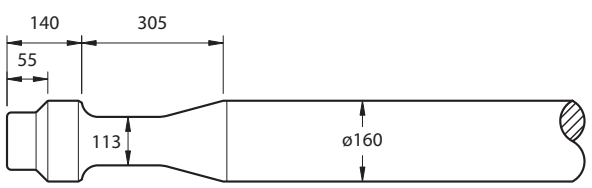
Figure No.		TYPE	LENGTH MM	CATALOGUE NUMBER	WEIGHT KGS
271	**Toyo THBB1600** Dehaco DHB1605 (1405), JKHB1600, Takeuchi TKB1600 	Point Chisel Blunt	1120 1120 1020	T021P1120 T021C1120 T021B1020	115 115 105
272	**Toyo THBB2000** Dehaco DHB2305, JKHB2000, Takeuchi TKB2000 	Point Chisel Blunt	1250 1250 1150	T017P1250 T017C1250 T017B1150	173 173 160
273	**Toyo THBB3000** Dehaco DHB3205 (4105), JKHB3000, Takeuchi TKB3000 	Point Chisel Blunt	1400 1400 1250	T022P1400 T022C1400 T022B1250	220 220 197

Other Manufacturers Reference Index

Fig No.	Hammer Type	Diameter mm	Length mm	Cat. No.	Weight kgs
	ARDEN				
275	AB 100	45	500	DA10P0500	5
276	AB 150/210	57	600	DA11P0600	11
277	AB 280/350	70	680	DA12P0680	20
279	AB 450	80	840	DA13P0840	27
280	AB 1050	105	1050	DA16P1050	68
	ARROWHEAD				
281	S20	45	480	AH10P0480	5
282	S30	53	500	AH11P0500	7
283	S40	65	620	AH12P0620	14
284	S60	75	710	AH14P0710	24
285	10T	95	750	AH16P0950	48
286	22T	126	1100	AH23P1100	93
	BOBCAT				
329	1250	45	430	ST12P0430	4
330	1560	45	450	ST14P0430	5
331	2500/2570/3560	64	560	ST13P0560	12
332	5500	70	710	ST15P0710	20
333	6560	77	700	ST16P0700	22
	DAEMO				
287	DMB S500	70	680	DM10P0680	20
288	DMB S1300	105	930	DM13P0930	60
289	DMB S1800	120	1000	DM16P1000	84
290	DMB S2200	135	1200	DM14P1200	120
292	DMB S3600	150	1350	DM11P1350	185
	D&A				
275	8V	45	500	DA10P0500	5
276	15V/20V	57	600	DA11P0600	11
277	30V/50V	70	680	DA12P0680	20
278	70V	80	840	DA13P0840	27
280	130V	105	1050	DA16P1050	68
293	180V	125	1150	DA18P1150	97
	HUSKIE/IZUMI				
294	HH100	40	400		3
295	HH150	50	500	JB10P0500	6
296	HH300	60	600	HU1P0600	11
298	HH750	75	750	JB11P0750	25
299	HH1000	90	850	JB19P0850	34
300	HH2000	115	1000	JB15P1000	76
301	HH3600	135	1150	JB12P1150	115
	LIFTON				
303	LH70/80	46	420	LF11P0420	4
304	LH110	55	460	LF12P0460	7
305	LH170	70	550	LF13P0550	16
306	LH360	82	700	LF14P0700	24
307	LH500	100	780	LF15P0780	43

Other Manufacturers Reference Index

Fig No.	Hammer Type	Diameter mm	Length mm	Cat. No.	Weight kgs
	OKADA				
309	OKB/UB 301	50	500	OK20P0500	6
310	OKB/UB 301SL	54	550	OK21P0550	8
311	OKB/UB 302	61	550	OK22P0550	11
312	OKB/UB 302A	61	600	OK42P0600	12
313	OKB/UB 303A	66	700	OK23P0700	16
314	OKB/UB 304	74	850	OK24P0850	25
315	OKB/UB 304B	74	750	OK43P0750	25
316	OKB/UB 305	85	900	OK25P0900	32
317	OKB/UB 308	110	1000	OK28P1000	61
318	OKB/UB 310	122	1100	OK30P1100	100
319	OKB/UB 312B	130	1150	OK32P1150	108
320	OKB/UB 316	140	1300	OK36P1300	130
321	OKB/UB 318	150	1400	OK38P1400	193
325	UB 8	98	1000	OK13P1000	54
326	UB11	122	1100	OK41P1100	100
327	UB14	135	1200	OK14P1200	115
328	UB17/OKB17A2	137	1300	OK40P1300	127
	STANLEY				
329	MB 125	45	430	ST12P0430	4
330	MB156	45	450	ST14P0450	5
331	MB 250/256/350/356	64	560	ST13P0560	12
332	MB 550	70	710	ST15P0710	20
333	MB 656/675/695	77	700	ST16P0710	22
334	MB 800/856	80	770	ST17PO770	26
335	MB 1550	102	915	ST19P0920	52
336	MB 1950/1975	114	1050	ST21P1050	80
	TABE				
341	AGB 100/175/200	50	450	TB16P0450	6
342	AGB 270/275/350/375	65	620	TB10P0620	15
343	AGB 400/475	85	700	TB11P0700	28
344	AGB 700/701/750	105	850	TB12P0850	57
345	AGB 1000/1300/1301	114	1000	TB13P1000	76
347	AGB 1800	135	1100	TB15P1100	119
	TOPA				
348	TOPA 70	45	500	TP10P0500	5
349	TOPA 100	56	630	TP11P0630	12
350	TOPA 200	65	740	TP12P0740	17
351	TOPA 300	70	810	TP13P0810	23
352	TOPA 500	85	980	TP14P0980	39
353	TOPA 1000	99	1100	TP15P1100	61
355	TOPA 1500	134	1350	TP16P1350	115
	VIBRARAM				
295	VRH-50	50	500	JB10P0500	6
296	VRH-60	60	600	HU1P0600	11
298	VRH-75	75	750	JB11P0750	25
299	VRH-90	90	850	JB19P0850	34
300	VRH-115	115	1000	JB15P1000	76
301	VRH-135	135	1150	JB12P1150	115

Warranty Guide

The purpose of this guide is to provide advice on the correct application of our Demolition Tools and assist in analysing and resolving any complaints immediately they occur.

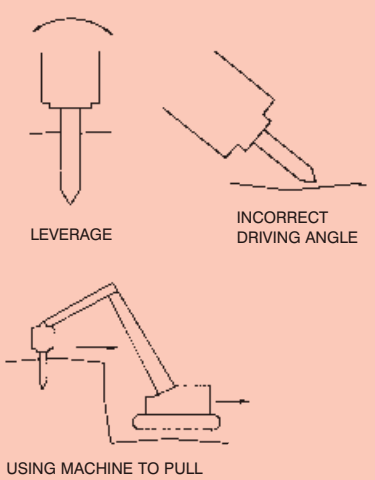
Cause and Effect of Fatigue Failures

The continuous cycle of compressive and tensile stresses in a Demolition Tool, even under correct operating conditions, creates fatigue stress in the tool which can lead to fatigue failure of the tool before it is worn out. Anything which interferes with the normal operational cycle of compressive and tensile stresses will increase the level of fatigue stress being applied to the tool, increasing the risk of early fatigue failure.

1) Leverage/Bending

The main cause of increased fatigue stress in a demolition tool is any form of side pressure during service which creates bending. Utilising the tool as a lever, using the incorrect driving angle or attempting to break ground using the "pull" of the machine are all detrimental to the life of a demolition tool and should be avoided (see Figure 1).

Figure 1



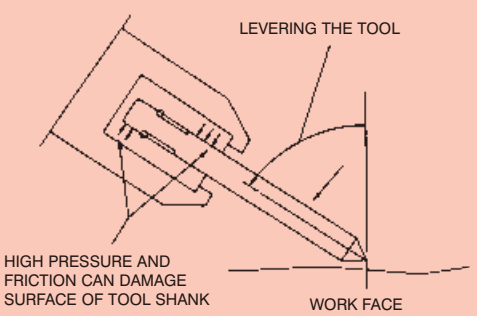
2) "Free Running"/"Blank Firing"

This can arise in any situation where the working end is not in proper contact with the material to be broken. This includes jobs where the tool slides off the work and also when break-through of thin concrete slabs or boulders occurs. It is essential that the tool is applied at a right-angle to the working surface at all times.

3) Lubrication

Regular lubrication is essential. Any form of damage to the surface of a demolition tool renders it more liable to suffer fatigue failure. Care must be taken to prevent accidental gouging or contact welding ("galling" or "pick-up") due to contact between the tool and chuck bushings either through lack of lubrication or excessive leverage (see Figure 2).

Figure 2



4) Cold/Corrosion

Low temperature causes a Demolition Tool to be more susceptible to fatigue failure. Tools should be kept sheltered from the weather when not in use. A rusty Demolition Tool is more likely to suffer fatigue failure, so tools should be kept well greased.

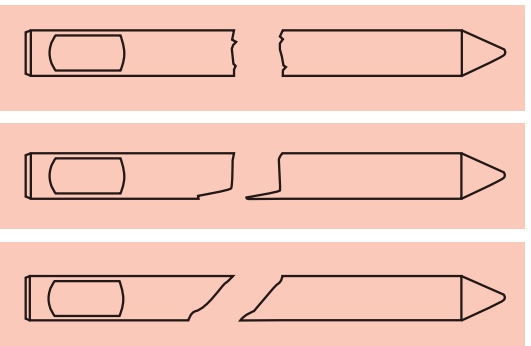
5) Worn Internal Hammer Parts

Worn hammer parts can cause the tool to be held too "loosely". This can create surface damage on the tool, which can lead to fatigue failure of the tool. Worn parts can also cause uneven striking on the tool, which may lead to fatigue failure of the tool and damage to the piston.

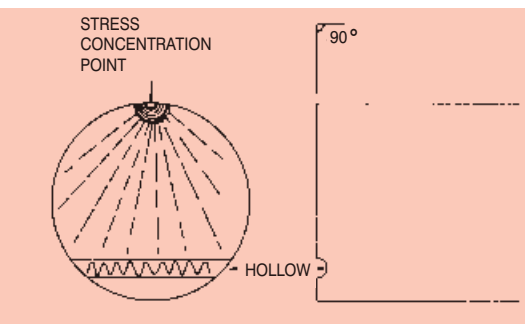
continued on next page

6) Typical Failures (Guide to Warranty Claims)

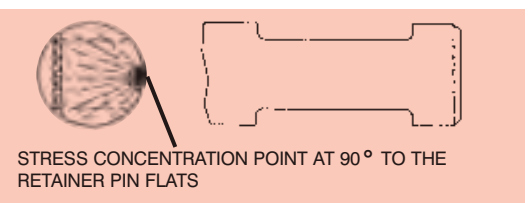
Our Demolition Tools are manufactured from first class materials and then heat-treated to produce tools with optimum fatigue and wear resistance. When a tool has apparently failed to give satisfactory service life, a brief visual inspection can often give a quick indication of the cause.



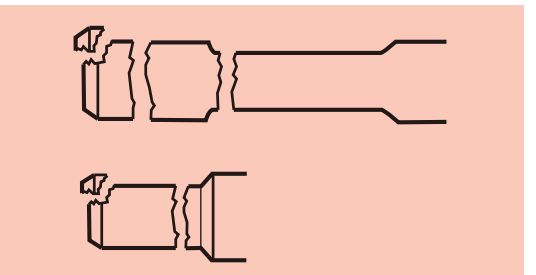
a) Typical fractures caused by excessive bending/leverage of the demolition tool. Warranty claims rejected.



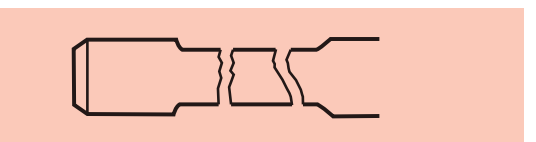
b) Typical of high stress fracture, usually caused by using the tool as an anchor to "pull" the machine. Warranty claims rejected



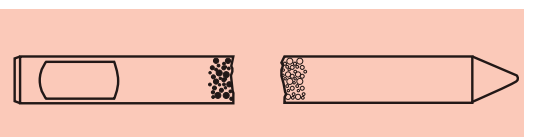
c) Typical fracture caused by levering tool whilst buried in the burden. Warranty claims rejected.



d) Typical fractures caused by blank firing and/or excessive chuck bush wear/damage. Warranty claims rejected.

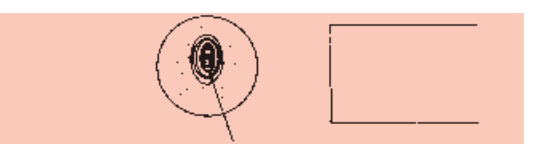


e) Typical fractures caused by blank firing and/or twisting of the tool due to worn/damaged retainer pin. Warranty claims rejected.



f) Typical fracture caused by lack of lubrication and/or chuck bush wear/damage. Warranty claims rejected.

g) Mushrooming: this is caused by driving the chisel or point into hard dense material for too long a period of time without penetration. This generates intense heat, softening the point and causing it to "mushroom". This is not a manufacturing fault. Warranty claims rejected.



h) Note fatigue lines originate from the internal point, not outer diameter. Very rare failure type due to steel defect. 100% warranty accepted.