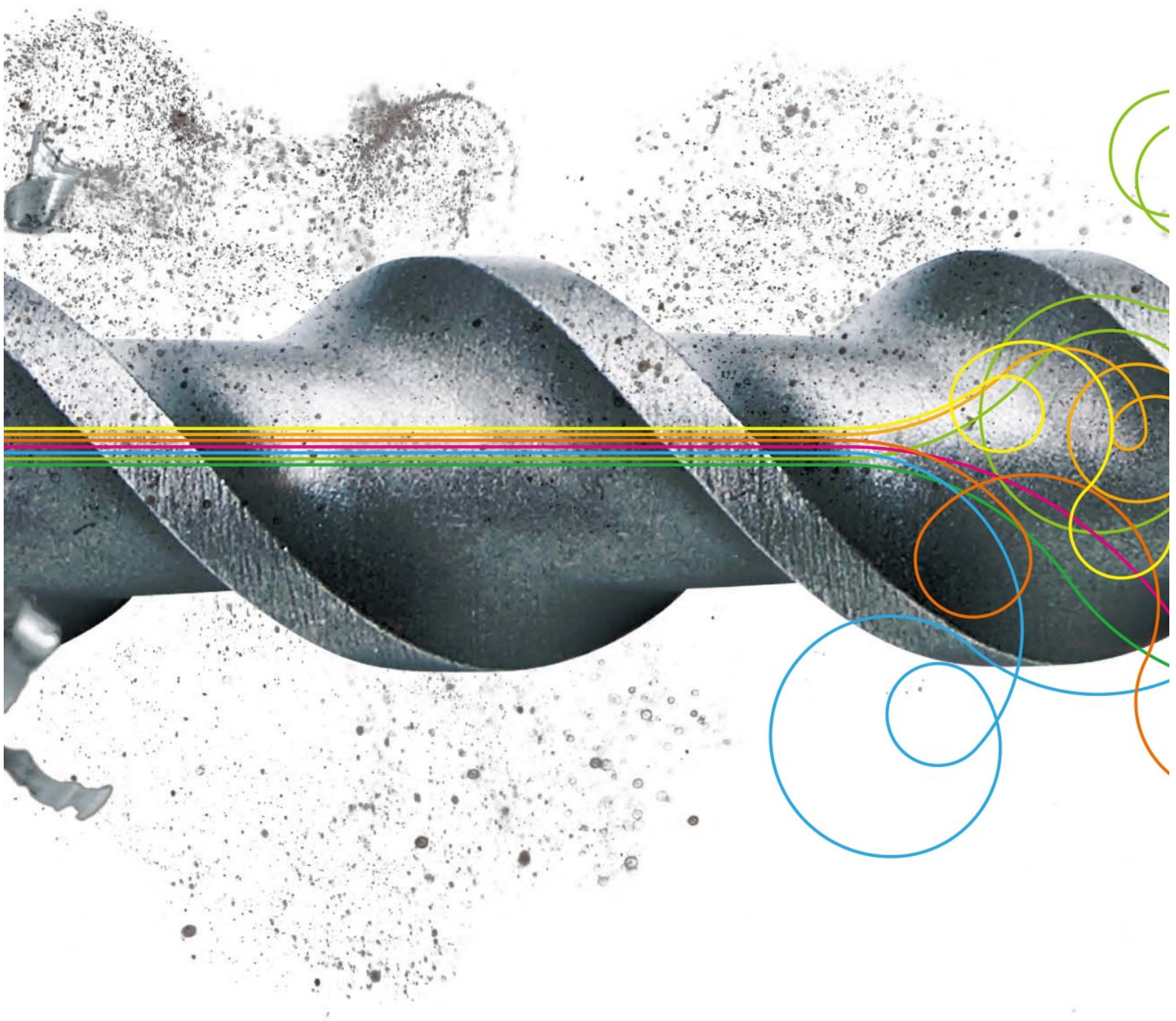


Tools for  
Construction Equipment

# General Catalogue







# Catalogue Contents



**01** Hydraulic Breaker Chisel  
**P.05-12**



**Paving Breaker Chisel**  
**P.13-20**



**Metal Working Chisel**  
**P.21-26**



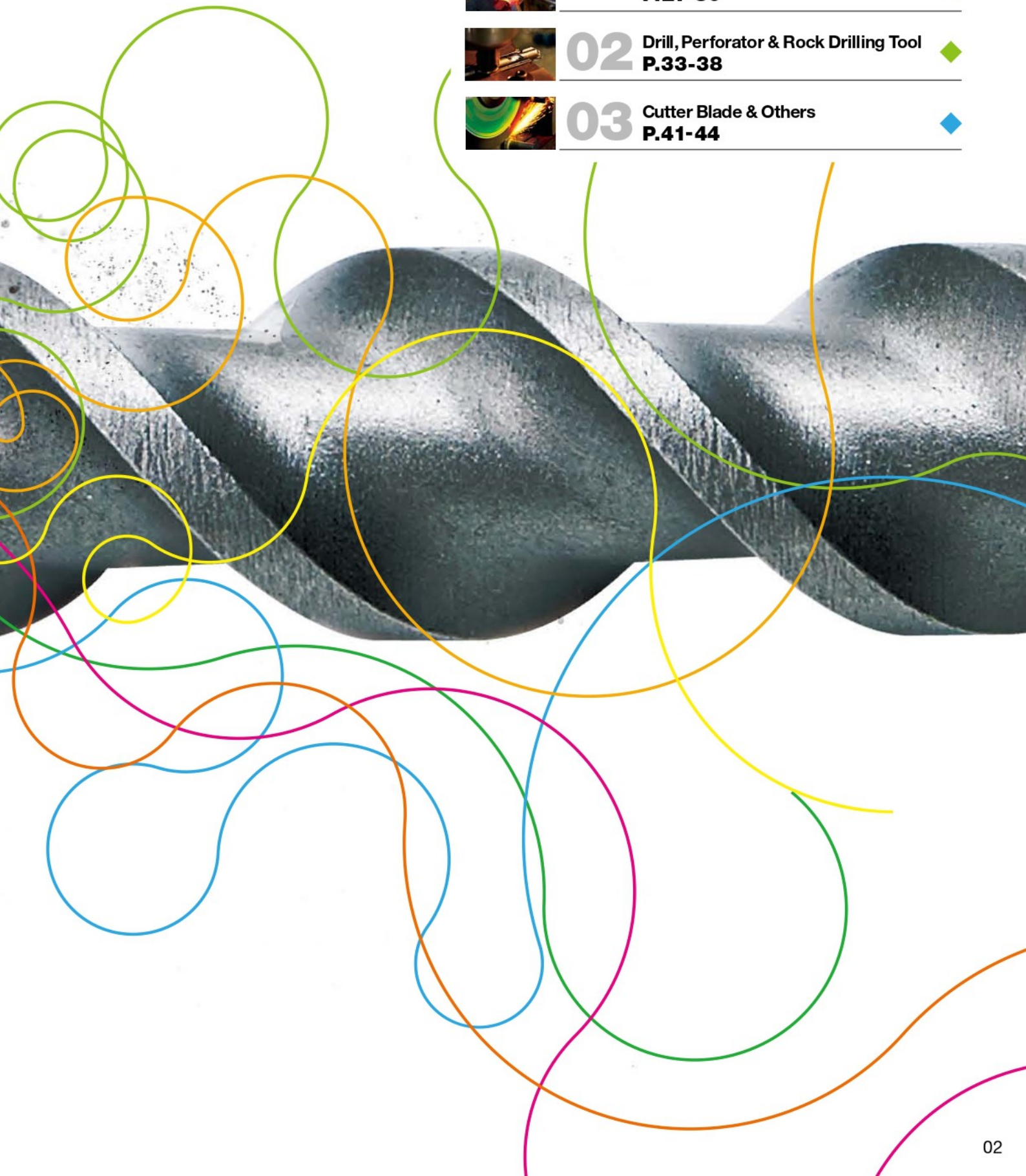
**Accessories for Electric Hammer**  
**P.27-30**



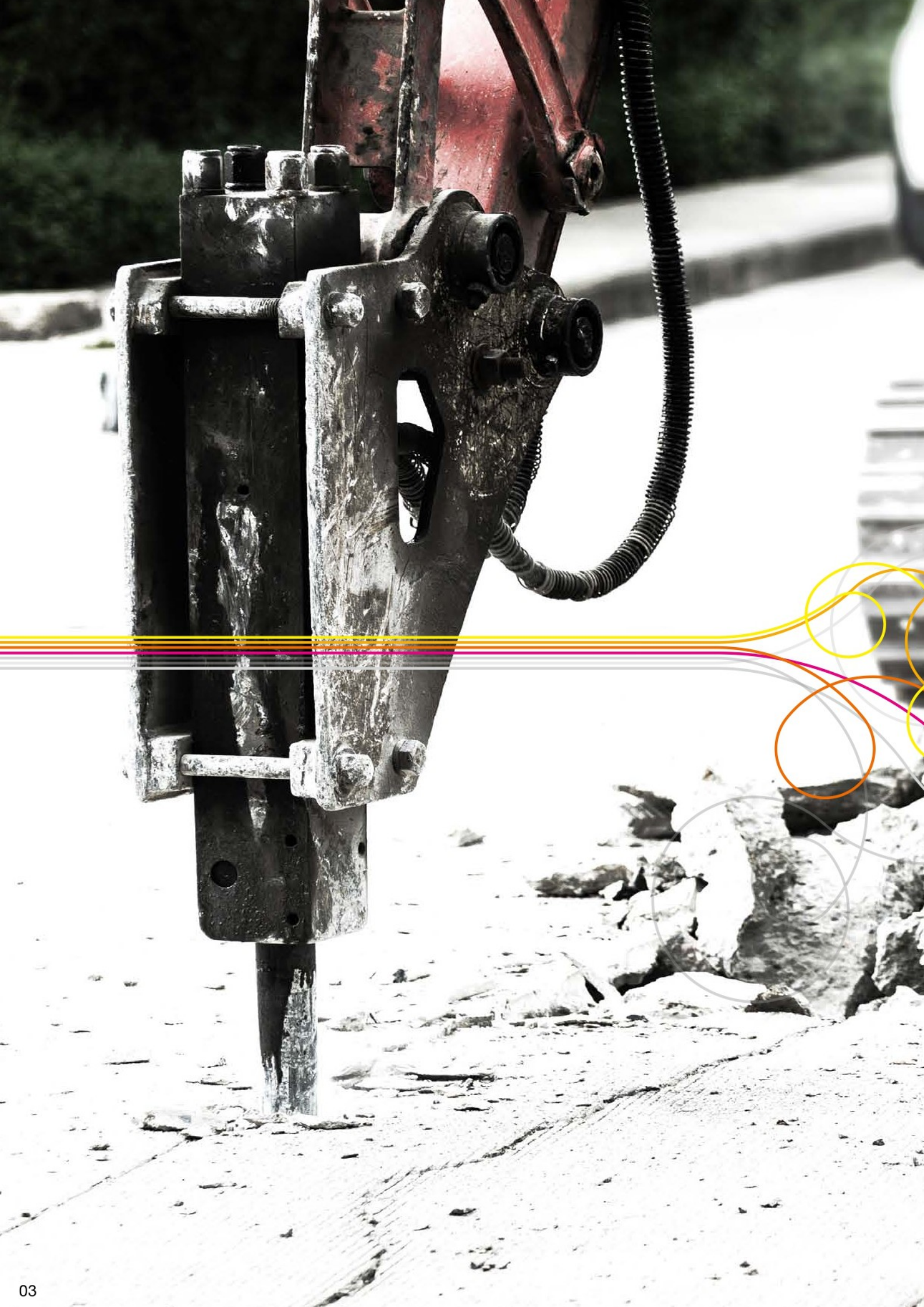
**02** Drill, Perforator & Rock Drilling Tool  
**P.33-38**



**03** Cutter Blade & Others  
**P.41-44**











# 01 Chisel

## ◆ Hydraulic Breaker Chisel

- P.05** Hydraulic Breaker Chisel
- P.06** NPK H · GH · E Series
- P.07** Furukawa F · FC · FX · HB Series
- P.08** TOKU TNB Series Konan MKB Series
- P.09** Okada Aiyon TOP · OUB Series Komatsu PC Series
- P.10** Other Specialised Chisels
- P.11** Hydraulic Breaker parts
- P.12** Hydraulic Crusher Blade, Hydraulic Crusher Tooth

## ◆ Paving Breaker Chisel

- P.13** Paving Breaker Chisel for CB-10 · CA-7
- P.14** Paving Breaker Chisel for CB-20
- P.15** Paving Breaker Chisel for CB-30 & others
- P.16** Paving Breaker Applicable Model
- P.17** Rock Buster
- P.18-20** Chipping Hammer Chisel

## ◆ Metal Working Chisel

- P.21-24** Automotive Chisel
- P.25-26** Weld Flux Scaler Chisel

## ◆ Accessories for Electric Hammer

- P.27** Hexagonal Shank 17mm
- P.28** Hexagonal Shank 21mm, 30mm
- P.29** SDS shank & Others
- P.30** Electric Hammer Applicable Model

# Hydraulic Breaker Chisel



Point Type = P model



Core = SP model



Flat Chisel = FX model (Horizontal)



Blunt Tool = E model



## Shank Styles

Type A



Type C



Type B



Type D





NPK (H) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
H-06X		40	470	A
H-08X		45	500	
H-1XA		57	590	
H-2XA	H-2XE	65	630	
H-3XA	H-3XE	75	700	
H-4X	H-4XE	90	780	
H-7X	H-7XA H-7XH	106	950	

NPK (GH) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
GH-9	H-10XB H-10XE GHS-9 GHE-9	126	1200	A
GH-10	GHS-10 GHE-10	136	1200	
GH-12	GHS-12 GHE-12	146	1300	
GH-15	GHS-15 GHE-15	155	1400	
GH-18	GHS-18 GHE-18	164	1520	
GH-23	GHS-23	174	1650	
GH-30	E-240A E-240B GHS-30	184	1680	
GH-40	E-260A E-260B	204	1750	
GH-50		214	1800	

NPK (E) Series					
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style	
E-106		41	410	A	
E-200	GH-06 GHS-06 GHE-06	42	500		
E-201	GH-07 GHS-07 GHE-07	47	530		
E-202	GH-1 GHS-1 GHE-1 PH-1	57	600		
E-203	GH-2 GHS-2 GHE-2 PH-2	66	650		
E-204	GH-3 GHS-3 GHE-3 PH-3	76	730		
E-205	GH-4 GHS-4 GHE-4 PH-4	86	840		
E-207	GH-6 GHS-6 GHE-6	106	980		
E-210A		126	1100		
E-212		126	1200		B
E-213		136	1200		A
E-215		136	1330		B
E-216		146	1300		A
E-218		146	1400		B
E-220		155	1400	A	
E-224		155	1540	B	
E-225		164	1520	A	
E-235		190	1650	B	

\* Please be careful for standard length at order of chisel for silent type breaker, which length is different from standard.

# Hydraulic Breaker Chisel

Furukawa (F , FC , FX) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
<b>FX-15</b>	F-1	36	400	C
<b>FX-25</b>	HB-2G F-2 FC-15 FX-25SS	45	460	
<b>FX-35</b>	F-3 FX-35SS	52	510	
<b>FX-45</b>	HB-3G F-4 FC-30 FX-45SS	60	565	
<b>FX-55</b>	F-5 FC-45 FX-55SS	68	600	
<b>FX-65</b>	F-6	75	740	
<b>FC-90</b>	F-8 F-9	90	850	B
<b>FC-120</b>	F-11 F-12	105	1100	
<b>FX-220</b>	F-20 F-22	134	1250	
<b>FX-270</b>		140	1330	
<b>FX-360</b>		150	1400	
<b>FX-470</b>		165	1510	
<b>F-70</b>		179	1610	

Furukawa (HB) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
<b>HB-1G</b>		36	400	C
<b>HB-5G</b>		75	640	D
<b>HB-8G</b>		90	755	
<b>HB-10G</b>		105	1000	
<b>HB-15G</b>		120	1100	
<b>HB-20G</b>		135	1200	
<b>HB-30G</b>		150	1300	
<b>HB-40G</b>		160	1400	
<b>HB-50G</b>		180	1500	

\* Please be careful for standard length at order of chisel for silent type breaker, which length is different from standard.



TOKU (TNB) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
<b>TNB-08M</b>	TNB-05E	40	450	B
<b>TNB-1M</b>	TNB-08E	45	470	
<b>TNB-2M</b>	TNB-1 TNB-1E	50	500	
<b>TNB-3M</b>	TNB-2 TNB-2E	58	590	A
<b>TNB-3MB</b>		58	590	B
<b>TNB-4M</b>	TNB-3 TNB-3E	64	650	
<b>TNB-5M</b>	TNB-4 TNB-4E TNB-6M	75	715	
<b>TNB-6E</b>	TNB-5 TNB-5E TNB-6	95	800	
<b>TNB-7E</b>	TNB-7 TNB-10	115	935	
<b>TNB-7J</b>		105	1000	
<b>TNB-141LU</b>	TNB-14 TNB-16 TNB-14E TNB-16E TNB-141	135	1150	
<b>TNB-151LU1</b>	TNB-140 TNB-150 TNB-151 TNB-160	135	1150	
<b>TNB-190LU1</b>		140	1180	
<b>TNB-230LU</b>	TNB-220 TNB-230	146	1180	
<b>TNB-310LU1</b>	TNB-31 TNB-310	160	1360	
<b>TNB-400LU</b>		178	1800	

Konan (MKB) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
<b>MKB-100M2</b>	MKB-100 MKB-100M MKB-100N	45	450	A
<b>MKB-150M2</b>	MKB-150 MKB-150M MKB-150N HM-60	55	600	
<b>MKB-300M2</b>	MKB-300 MKB-300M MKB-300N	70	750	
<b>MKB-500N2</b>	MKB-500 MKB-500N	80	900	
<b>MKB-900N</b>	MKB-900 HM-550	100	1000	
<b>MKB-1450V</b>	MKB-1450 MKB-1400V	130	1200	
<b>MKB-1500V2</b>	MKB-1500 MKB-1400N MKB-1500N MKB-1600N MKB-1500V HM-900 HM-901 HM-902	135	1300	B
<b>MKB-1700V2</b>	MKB-1700V	137	1300	
<b>MKB-2100V2</b>	MKB-2000N MKB-2100V	150	1300	
<b>MKB-2500V2</b>	MKB-2500 MKB-2500N MKB-2500V	160	1350	
<b>MKB-3000V2</b>	MKB-3000 MKB-3000N MKB-3000V	165	1500	
<b>MKB-4000V2</b>	MKB-4000 MKB-4000N MKB-4000V	180	1600	
<b>MKB-6000V2</b>	MKB-6000 MKB-6000V	199	1750	
<b>MKB-7000V2</b>		220	1800	

\* Please be careful for standard length at order of chisel for silent type breaker, which length is different from standard.

# Hydraulic Breaker Chisel

Okada Aiyon (TOP) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
TOP-10		40	450	B
TOP-11	TOP-18	40	450	
TOP-15		45	470	
TOP-20	OUB-301 TOP-20A TOP-25	50	500	A
TOP-21		50	500	
TOP-22		45	490	
TOP-30	OUB-302A TOP-32 TOP-35 S-32	61	600	
TOP-40	OUB-303 OUB-303A OUB-303B TOP-45	68	700	
TOP-43	TOP-45B	68	700	
TOP-60	OUB-305 TOP-60A TOP-60B S-60	85	900	
TOP-90		98	925	
TOP-100	OUB-308 TOP-100A S-100	110	1000	
TOP-200		124	1200	
TOP-210	TOP-203 TOP-205 TOP-280 S-203 S-205 S-280	134	1200	B
TOP-300	S-300	154	1400	
TOP-400		169	1580	
TOP-800		189	1800	

Okada Aiyon (OUB) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
OUB-300		50	470	A
OUB-302		61	550	
OUB-304B		74	700	
OUB-310		122	1100	B
OUB-312		130	1150	
OUB-316		140	1300	
OUB-318		150	1400	
OUB-324A		169	1580	
OUB-330		186	1800	A

Komatsu (PC) Series				
Model	Compatible Model	Diameter $\phi$ (mm)	Standard Length (mm)	Shank Style
PC-03	PC-08UU PC-10MR PC-10UU	35	600	A
PC-05 · 07	PC-12R-8 PC-15MR (R)	45	800	
PC-10 · 15 · 20	PC-28UU	55	900	
PC-30		61	1000	
PC-40 · 45		68	1000	

\* Please be careful for standard length at order of chisel for silent type breaker, which length is different from standard.



# Other Specialised Chisels

## Hydraulic Chisel with collar (Shrink Fitting)

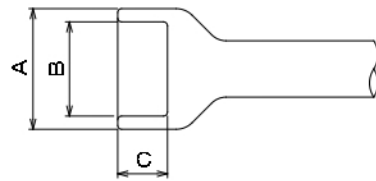


- Best choice for work in tunnel
- Shrink fitting to provide low cost & shorter production period

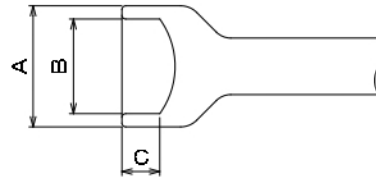
## Pile Driver



for pile

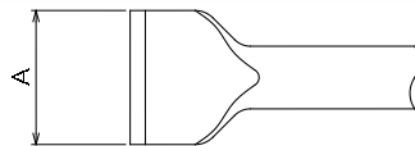


for pile with cap



- Breaker model name, A (outer diameter), B (inner diameter), C (depth), overall length is required for our quotation.

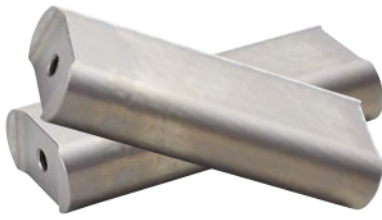
## Wide-Flat Chisel



- Breaker model name, A (width of chisel), overall length is required for our quotation.

# Hydraulic Breaker parts

Rod Pin



Piston



Bush



Furukawa	
Model	Part Name
F-2	Front Bush
	Rod Pin
	Piston
F-3	Front Bush
	Rod Pin
	Stop Pin
	Piston
F-4	Front Bush
	Rod Pin
FC-30	Piston
F-5	Front Bush
	Rod Pin
	Piston
F-6	Front Bush
	Rod Pin
	Stop Pin
	Piston
F-12	Rod Pin
	Stop Pin
	Piston
	Front Cover (rigid type)
F-20	Front Cover
F-22	Thrust Bush
	Front Head Thrust Ring
	Front Cover (I)
	Front Cover (II)
	Front Cover (III)
	Long Rod Pin
	Stop Pin
	Piston
HB-3G	Front Bush
	Rod Pin (Older Model)
HB-5G	Front Bush
	Rod Pin
HB-8G	Piston
	HB-10G
Thrust Ring	
Front Bush	
Front Cover	
Rod Pin	
Stopper Pin	
HB-15G	Piston
HB-20G	Thrust Bush
	Thrust Ring
	Front Cap
	Front Bush
	Rod Pin
	Stop Pin
HB-30G	Piston
	Stop Pin

Toku	
Model	Part Name
TNB-1E	Chisel Holder Bush (upper)
	Chisel Bush (lower)
	Retainer Pin
TNB-2E	Chisel Holder Bush (upper)
	Chisel Bush (lower)
	Retainer Pin
TNB-4E	Chisel Holder Bush (upper)
	Chisel Bush (lower)
	Retainer Pin
TNB-6E	Chisel Holder Bush (Upper)
	Chisel Bush (lower)
	Retainer Pin
TNB-7E	Chisel Holder Bush (upper)
	Chisel Bush (lower)
	Retainer Pin
TNB-8	Front Bush
TNB-13	Front Bush
TNB-14E	Chisel Holder Bush (upper)
	Chisel Bush (lower)
	Retainer Pin



# Hydraulic Crusher Blade · Hydraulic Crusher Tooth

## Hydraulic Crusher & Shear Blade

K-23J



K-23XA



S-22XA



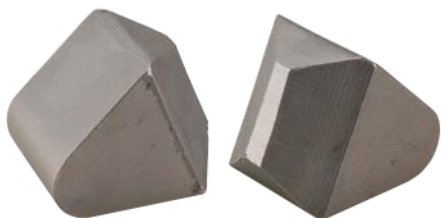
	Model
<b>NPK</b>	K-15X Driving Blade
	K-15X Rigid Blade
	K-23J
	K-23XA
<b>Furukawa</b>	S-22XA
	VC-15
	VC-22

Remark:

We can arrange for other brands, please request us with details of machinery.

## Hydraulic Crusher Tooth

S-22XA



Remark:

We can arrange for other brands, please request us with details of machinery.

# Paving Breaker Chisel

Moil Point



Narrow Chisel



Cutter



Spade



Pile Driver



Paving Breaker Chisel for CB-10 (CA-7)				
Part Number	Part Name	Overall Length		Weight (kg)
		(mm)	(inch)	
MP6116A	Moil Point	400	16	1.9
MP6118A		450	18	1.95
MP6124A		600	24	2.7
MP6132A		800	32	3.6
MP6140A		1000	40	4.5
MP6160A		1500	60	6.75
MP6180A		2000	80	9
NC6116A	Narrow Chisel	400	16	1.77
NC6118A		450	18	1.82
NC6124A		600	24	2.7
AP6130A	Asphalt Cutter 75mm Blade (with Retainer Spring)	450	18	3.4
SP6041	Clay Spade 90mm width (with Retainer Spring)	450	18	3.4
SP6042	Clay Spade 140mm width (with Retainer Spring)	410	16 25/64	4.0





## Paving Breaker Chisel for CB-20

Part Number	Part Name	Overall Length		Weight (kg)
		(mm)	(inch)	
MC7116A	Moll Point	400	16	2.1
MC7118A		450	18	2.4
MC7124A		600	24	3.2
MC7132A		800	32	4.3
MC7140A		1000	40	5.5
MC7160A		1500	60	8.3
MC7180A		2000	80	11.1
NC7116A	Narrow Chisel	400	16	2.1
NC7118A		450	18	2.4
NC7124A		600	24	3.2



-	Asphalt Cutter 75mm Blade	400	16	2.8
-	Pile Driver	294	11 37/64	3.3
-	Pipe Driver	314	12 23/64	3.65



\* A cutter holder must be required separately.

AC7-10	Rod	250	9 27/32	1.4
AC7-11	Sleeve	125	4 59/64	0.8
AC7-12	75mm Blade	235	9 1/4	1.6





UD840	Tamper Pad #826	$\phi 200$	$\phi 8$	4.7
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# Paving Breaker Chisel

## Paving Breaker Chisel for CB-30

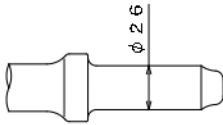
Part Number	Part Name	Overall Length		Weight (kg)	
		(mm)	(inch)		
MC8118A	Moid Point	470	18 25/32	3.3	
MC8124A		600	24	4.3	
MC8132A		800	32	5.9	
MC8140A		1000	40	7.5	
MC8160A		1500	60	11.5	
MC8180A		2000	80	15.5	
NC8118A	Narrow Chisel	470	18 25/32	3.3	
NC8124A		600	24	4.3	
—	Asphalt Cutter 75mm Blade	470	18 25/32	3.5	
<p>* A cutter holder must be required separately.</p>					

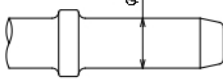
## Paving Breaker Chisel with Hexagonal Shank

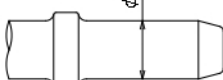
Part Number	Shank Size		Part Name	Length Under Collar		Weight (kg)	Part Number	Part Name	Part Number	Part Name
	(in)	(mm)		(mm)	(inch)					
MH3014	1"Hex x 4"1/4	25.4Hex x 108	Moid Point	355	14	2	NH3014	Narrow Chisel	AH3014	Asphalt Cutter 75mmW Blade
MH3018	1"Hex x 4"1/4	25.4Hex x 108		457	18	2.6	NH3018		AH3018	
MH4014	1"1/8Hex x 6"	28.5Hex x 152		355	14	2.7	NH4014		AH4014	
MH4018	1"1/8Hex x 6"	28.5Hex x 152		457	18	3.4	NH4018		AH4018	
MH4024	1"1/8Hex x 6"	28.5Hex x 152		610	24	4.2	NH4024		AH4024	
MH4014A	1"1/8Hex x 6"1/4	28.5Hex x 160		355	14	2.7	NH4014A		AH4014A	
MH4018A	1"1/8Hex x 6"1/4	28.5Hex x 160		457	18	3.4	NH4018A		AH4018A	
MH4024A	1"1/8Hex x 6"1/4	28.5Hex x 160		610	24	4.2	NH4024A		AH4024A	
MH5014	1"1/4Hex x 6"	31.7Hex x 152		355	14	3.4	NH5014		AH5014	
MH5018	1"1/4Hex x 6"	31.7Hex x 152		457	18	4.2	NH5018		AH5018	
MH5024	1"1/4Hex x 6"	31.7Hex x 152		610	24	5.3	NH5024		AH5024	
MH5014A	1"1/4Hex x 6"1/4	31.7Hex x 160		355	14	3.4	NH5014A		AH5014A	
MH5018A	1"1/4Hex x 6"1/4	31.7Hex x 160		457	18	4.2	NH5018A		AH5018A	
MH5024A	1"1/4Hex x 6"1/4	31.7Hex x 160		610	24	5.3	NH5024A		AH5024A	

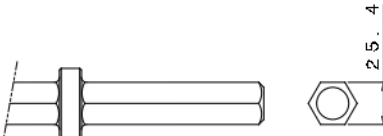



# Paving Breaker Applicable Model

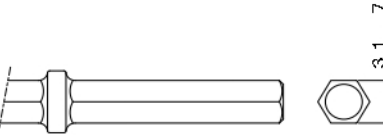
Round Shank $\phi 26$	Air		Hydraulic	
	TCA-7	TOKU	TLH-10 BH-11	TOKU MARUZEN
	TCA-7AV	TOKU		
	TBC-130B	TOKU		
	TBC-130BAV	TOKU		
	G-9	TOKU		
	G-9S	TOKU		
	CA-7A	SANDVIK		
	CB-10	NAKATANI, NISSIN		
	CB-15A	NPK		
	CA7	FURUKAWA		
	CA7-V	FURUKAWA		
	FCB15	FURUKAWA		
	FCB15V	FURUKAWA		

Round Shank $\phi 30$	Air		Hydraulic	
	TCB-200	TOKU	TLH-19E TLH-21E BH-20R BH-20EVR BH-23RK MHB-20R MHB-23RK	TOKU TOKU MARUZEN MARUZEN MARUZEN MIKASA MIKASA
	CB-20	NAKATANI		
	TYAB 20	SANDVIK		
	CB-20A	NPK		
	FCB20	FURUKAWA		
	FCB20-II	FURUKAWA		
	FCB20-IV	FURUKAWA		

Round Shank $\phi 35$	Air		Hydraulic	
	TCB-300	TOKU		
	CB-30	NAKATANI, NISSIN		
	CB-30A	NPK		
	TYAB-30	SANDVIK		

Hexagonal Shank 25.4H	Air		Hydraulic	
	TPB-40	TOKU	TLH-19E TLH-21E MHB-24 BH-16 BH-20EV BH-22 BH-23K	TOKU TOKU MIKASA MARUZEN MARUZEN MARUZEN
	TPB-40SV	TOKU		
	B30-A	FURUKAWA		
	B40	FURUKAWA		
	PB35	IR		

Hexagonal Shank 28.5H	Air		Hydraulic	
	PB50	IR		
	MA60A	IR		
	MA90A	IR		

Hexagonal Shank 31.7H	Air		Hydraulic	
	TPB-73	TOKU		
	TPB-90	TOKU		
	CB-35	NAKANANI		
	B60	FURUKAWA		
	B90	FURUKAWA		
	MX60B	IR		
	MX90B	IR		



# Rock Buster

## FOR CB-20

Part Number	Part Name	Overall Length (mm)
RC 701	Wedge for CB-20	470
RF 10	Feathers for CB-20	300



## FOR CB-30

Part Number	Part Name	Overall Length (mm)
RC 801	Wedge for CB-30	470
RF 10	Feathers for CB-30	300

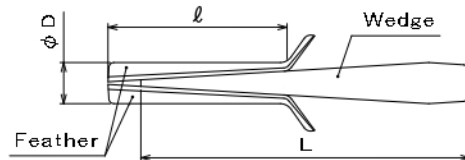


## Rock Buster (Hand Wedge)

Wedge		
Part Number	Size ( $\phi D$ ) (mm)	Overall Length of Wedge (L) (mm)
RB-16	16	123
RB-20	20	145
RB-22	22	147
RB-28	28 (3/4)	200
RB-30	30	215
RB-32	32	260
RB-34	34 (7/8)	280
RB-38	38	300

Feathers		
Part Number	Size ( $\phi D$ ) (mm)	Overall Length of Feather ( $\ell$ ) (mm)
83H16080	16	80
83H20090	20	90
83H22100	22	100
83H28110	28 (3/4)	110
83H30140	30	140
83H32155	32	155
83H34160	34 (7/8)	160
83H38200	38	200



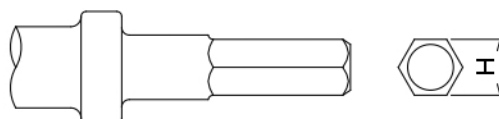
# Chipping Hammer Chisel

## Chipping Hammer Chisel (With Collar · Hexagonal Shank)

Part Number	Part Name	Shank Hexagon (H) (mm)	Shank Length (mm)	Overall Length (mm)	Applicable Model	
					AA-00SP AA-0SP	NPK
16HC1135	Chipping hammer Moil Point	11	35	215	AA-0	URYU
16HH1135	Chipping hammer Flat	11	35	215		
16HC1046	Chipping hammer Moil Point	10.5	46	220	NC-0S / NC-0 NC-01	NAKATANI
16HH1046	Chipping hammer Flat	10.5	46	176		
16HC1145	Chipping hammer Moil Point	11	45	230	AA-0 AA-0P	NISSHIN
16HH1145	Chipping hammer Flat	11	45	230		
16HC1045	Chipping hammer Moil Point	10.5	45	200	AA-0B	TOKU
16HH1045	Chipping hammer Flat	10.5	45	200		
16HC1253	Chipping hammer Moil Point	12.7	53	220		
16HH1253	Chipping hammer Flat	12.7	53	220		



Moil Point

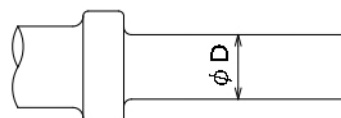


## Chipping Hammer Chisel (With Collar · Round Shank)

Part Number	Part Name	Shank Round ( $\phi$ D) (mm)	Shank Length (mm)	Overall Length (mm)	Applicable Model	
					AA-00SP AA-0SP	NPK
16RC1135	Chipping hammer Moil Point	11	35	215	AA-0	URYU
16RH1135	Chipping hammer Flat	11	35	215		
16RC1046	Chipping hammer Moil Point	10.5	46	220	NC-0S / NC-0 NC-01	NAKATANI
16RH1046	Chipping hammer Flat	10.5	46	176		
16RC1247	Chipping hammer Moil Point	12.7	47	230	AA-0 AA-0P	NISSHIN
16RH1247	Chipping hammer Flat	12.7	47	230		
16RC1245	Chipping hammer Moil Point	12.7	45	200	AA-0B	TOKU
16RH1245	Chipping hammer Flat	12.7	45	200		
16RC1553	Chipping hammer Moil Point	15	53	220		
16RH1553	Chipping hammer Flat	15	53	220		



Moil Point



# Chipping Hammer Chisel

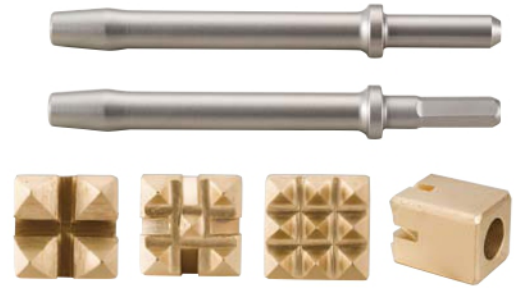
Chipping Hammer Steel (With Collar · Hexagonal Shank)		
Part Number	Part Name	Overall Length (mm)
12HC0200	Chipping Hammer Moil Point with collar	200
12HC0250		250
12HC0300		300
12HC0350		350
12HC0500		500
12HC0600		600
12HC0800		800
12HC1000		1000
12HC1500		1500
12HC2000		2000
12HH0200	Chipping hammer Flat with collar	200
12HH0300		300
12HH0350		350
12HH0500		500
12HH0600		600
12HH0800		800
12HH1000		1000
12HH1500		1500
12HH2000		2000
12HKSP250	Chipping hammer cutter with collar and spring	250
12HKAA250	Chipping hammer cutter with collar AA13B	250
12HK250	Chipping hammer cutter with collar without spring	250

Chipping Hammer Steel (With Collar · Round Shank)		
Part Number	Part Name	Overall Length (mm)
12RC0200	Chipping Hammer Moil Point with collar	200
12RC0250		250
12RC0300		300
12RC0350		350
12RC0500		500
12RC0600		600
12RC0800		800
12RC1000		1000
12RC1500		1500
12RC2000		2000
12RH0200	Chipping hammer Flat with collar	200
12RH0300		300
12RH0350		350
12RH0500		500
12RH0600		600
12RH0800		800
12RH1000		1000
12RH1500		1500
12RH2000		2000
12RKSP250	Chipping hammer cutter with collar and spring	250
12RKAA250	Chipping hammer cutter with collar AA13B	250
12RK250	Chipping hammer cutter with collar without spring	250



### Rod and Bushing for Chipping Hammer

Part Number	Part Name	Overall Length (mm)
A00H230	Rod with collar (Hex Shank)	230
A00R230	Rod with collar (Round Shank)	230
A00CB04	Bushing for Chipping hammer	<input type="checkbox"/> 38 4 Blades
A00CB05		<input type="checkbox"/> 38 5 Blades
A00CB09		<input type="checkbox"/> 38 9 Blades
A00CB16		<input type="checkbox"/> 38 16 Blades
A00CB25		<input type="checkbox"/> 38 25 Blades



# Automotive Chisel

Tie Rod Tool



Tail Pipe Cutter



Fork



Scraper



Sheet Metal (A)



Sheet Metal (B)





Double Edge Panel Cutter





Bushing Driver





## Tie Rod Tool (Universal Joint)

Part Number	Shank (mm)	Overall Length (mm)		
801 R	φ10.2×39	114L		
801 H	φ10.2 8.6H×39	114L		
901 R	φ12.7×40	114L		


## Tail Pipe Cutter

Part Number	Shank (mm)	Overall Length (mm)		
802 R	φ10.2×39	165L		
802 H	φ10.2 8.6H×39	165L		
902 R	φ12.7×40	165L		


## Fork 21/32

Part Number	Shank (mm)	Overall Length (mm)		
803 R	φ10.2×39	152L		
803 H	φ10.2 8.6H×39	152L		
903 R	φ12.7×40	152L		

### Fork 15/16 (Ball Joint Separator)

Part Number	Shank (mm)	Overall Length (mm)		
803J R	φ10.2×39	170L		
803J H	φ10.2 8.6H×39	170L		
903J R	φ12.7×40	170L		

### Bushing Remover - Straight -

Part Number	Shank (mm)	Overall Length (mm)		
804 R	φ10.2×39	152L		
804 H	φ10.2 8.6H×39	152L		
904 R	φ12.7×40	152L		


### Scraper - Bent -

Part Number	Shank (mm)	Overall Length (mm)		
805 R	φ10.2×39	165L		
805 H	φ10.2 8.6H×39	165L		
905 R	φ12.7×40	165L		

### Bushing Splitter

Part Number	Shank (mm)	Overall Length (mm)		
806 R	φ10.2×39	168L		
806 H	φ10.2 8.6H×39	168L		
906 R	φ12.7×40	168L		

### Sheet Metal (A)

Part Number	Shank (mm)	Overall Length (mm)		
807 R	φ10.2×39	152L		
807 H	φ10.2 8.6H×39	152L		
907 R	φ12.7×40	152L		

### Muffler Cutter

Part Number	Shank (mm)	Overall Length (mm)		
808 R	φ10.2×39	168L		
808 H	φ10.2 8.6H×39	168L		
908 R	φ12.7×40	168L		


### Double Edge Panel Cutter

Part Number	Shank (mm)	Overall Length (mm)		
809 R	φ10.2×39	168L		
809 H	φ10.2 8.6H×39	168L		
909 R	φ12.7×40	168L		



# Automotive Chisel

## Flat 178L

Part Number	Shank (mm)	Overall Length (mm)		
810 R	φ10.2×39	178L		
810 H	φ10.2 8.6H×39	178L		
910 R	φ12.7×40	178L		


## Flat 230L

Part Number	Shank (mm)	Overall Length (mm)		
811 R	φ10.2×39	230L		
811 H	φ10.2 8.6H×39	230L		
911 R	φ12.7×40	230L		


## Taper Punch

Part Number	Shank (mm)	Overall Length (mm)		
812 R	φ10.2×39	168L		
812 H	φ10.2 8.6H×39	168L		
912 R	φ12.7×40	168L		


## Rivet Cutter

Part Number	Shank (mm)	Overall Length (mm)		
813 R	φ10.2×39	152L		
813 H	φ10.2 8.6H×39	152L		
913 R	φ12.7×40	152L		


## Blank

Part Number	Shank (mm)	Overall Length (mm)		
814 R	φ10.2×39	178L		
814 H	φ10.2 8.6H×39	178L		
914 R	φ12.7×40	178L		


## Spot Weld Breaker

Part Number	Shank (mm)	Overall Length (mm)		
815 R	φ10.2×39	146L		
815 H	φ10.2 8.6H×39	146L		
915 R	φ12.7×40	146L		

## Sheet Metal (B)

Part Number	Shank (mm)	Overall Length (mm)		
816 R	φ10.2×39	143L		
816 H	φ10.2 8.6H×39	143L		
916 R	φ12.7×40	143L		


### Bushing Driver

Part Number	Shank (mm)	Overall Length (mm)	
817 R	φ10.2×39	127L	
817 H	φ10.2 8.6H×39	127L	
917 R	φ12.7×40	127L	


### Flat Bend

Part Number	Shank (mm)	Overall Length (mm)	
818 R	φ10.2×39	178L	
818 H	φ10.2 8.6H×39	178L	
918 R	φ12.7×40	178L	

### Sheet Metal Punch

Part Number	Shank (mm)	Overall Length (mm)	
819 R	φ10.2×39	152L	
819 H	φ10.2 8.6H×39	152L	
919 R	φ12.7×40	152L	

### Smoothing Hammer

Part Number	Shank (mm)	Overall Length (mm)	
821 R	φ10.2×39	102L	
821 H	φ10.2 8.6H×39	102L	
921 R	φ12.7×40	102L	

### Paint Scraper

Part Number	Shank (mm)	Overall Length (mm)	
823 R	φ10.2×39	178L	
823 H	φ10.2 8.6H×39	178L	
923 R	φ12.7×40	178L	

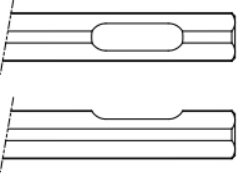
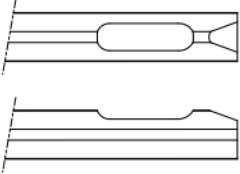
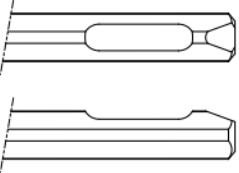
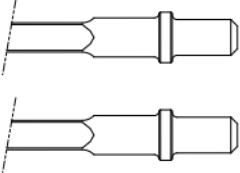
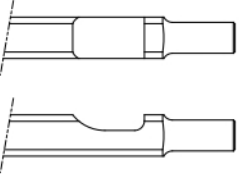
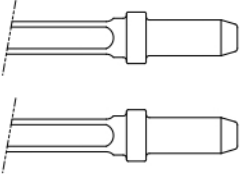
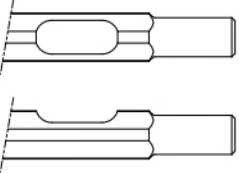
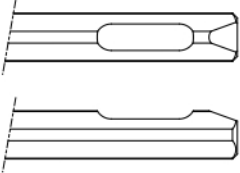
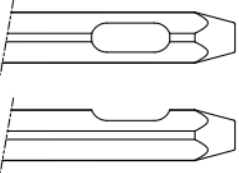
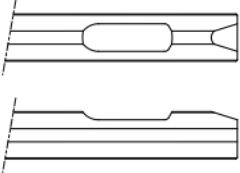
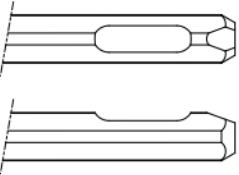
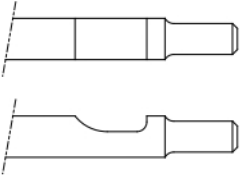
### Shock Absorber Chisel

Part Number	Shank (mm)	Overall Length (mm)	
824 R	φ10.2×39	146L	
824 H	φ10.2 8.6H×39	146L	
924 R	φ12.7×40	146L	

### Moil Point

Part Number	Shank (mm)	Overall Length (mm)	
825 R	φ10.2×39	178L	
825 H	φ10.2 8.6H×39	178L	
925 R	φ12.7×40	178L	

# Weld Flux Scaler Chisel

	<p>Shank No.15-1 for YOKOTA <b>F-25</b></p>		<p>Shank No.15-7 for YUTANI <b>YFS-0</b></p>
	<p>Shank No.15-2 for N.P.K. <b>NFB-25</b></p>		<p>Shank No.15-8 for FUJI <b>FCH-20</b></p>
	<p>Shank No.15-3 for N.P.K. <b>NFL-25</b></p>		<p>Shank No.15-9 for N.P.K. <b>NF-00</b></p>
	<p>Shank No.15-4 for FUJI <b>FCH-20FK,25F</b></p>		<p>Shank No.15-10 for INGERSOLL-RAND <b>172 &amp; 182.</b> ROTOR <b>S-10 &amp; S-70</b></p>
	<p>Shank No.15-5 for N.P.K. <b>NF-IS</b></p>		<p>Shank No.15-11 for CHICAGO-PNEUMATIC <b>0456,0457 &amp; 0458</b> THOR 5 &amp; 7</p>
	<p>Shank No.15-6 for URYU <b>UFC-0</b></p>		<p>Shank No.15-12 for ROTOR <b>S-1 &amp; S-7</b> CLECO <b>B-1 &amp; B-1A</b></p>



**List of Part Number**

Shank Number Point Style.	15-1		15-2		15-3		15-4	
	Part Number	Overall Length	Part Number	Overall Length	Part Number	Overall Length	Part Number	Overall Length
Blank (without point)	15/1A	159	15/2A	178	15/3A	178	15/4A	178
Straight Flat	15/1S	159	15/2S	184	15/3S	184	15/4S	184
Flat, 19mm Blade	15/1F	159	15/2F	184	15/3F	184	15/4F	184
Bent Flat, 19mm Blade	15/1B	156	15/2B	181	15/3B	181	15/4B	181
Wide Flat, 35mm Blade	15/1W	156	15/2W	180	15/3W	180	15/4W	181
Bent Wide Flat, 35mm Blade	15/1G	153	15/2G	153	15/3G	153	15/4G	178
Straight Scaling, 50mm Blade	15/1C	153	15/2C	178	15/3C	178	15/4C	178
Flat Scaling, 19mm Blade	15/1E	178	15/2E	178	15/3E	178	15/4E	178

Shank Number Point Style.	15-5		15-6		15-7		15-8	
	Part Number	Overall Length	Part Number	Overall Length	Part Number	Overall Length	Part Number	Overall Length
Blank (without point)	15/5A	159	15/6A	159	15/7A	159	15/8A	130
Straight Flat	15/5S	159	15/6S	159	15/7S	159	15/8S	133
Flat, 19mm Blade	15/5F	159	15/6F	159	15/7F	159	–	–
Bent Flat, 19mm Blade	15/5B	156	15/6B	156	15/7B	156	–	–
Wide Flat, 35mm Blade	15/5W	156	15/6W	156	15/7W	156	–	–
Bent Wide Flat, 35mm Blade	15/5G	153	15/6G	153	15/7G	153	–	–
Straight Scaling, 50mm Blade	15/5C	153	15/6C	153	15/7C	153	–	–
Flat Scaling, 19mm Blade	15/5E	153	15/6E	153	15/7E	153	–	–

Shank Number Point Style.	15-9		15-10		15-11		15-12	
	Part Number	Overall Length	Part Number	Overall Length	Part Number	Overall Length	Part Number	Overall Length
Blank (without point)	15/9A	130	15/10A	181	15/11A	181	15/12A	181
Straight Flat	15/9S	133	15/10S	159	15/11S	159	15/12S	159
Flat, 19mm Blade	–	–	15/10F	159	15/11F	159	15/12F	159
Bent Flat, 19mm Blade	–	–	15/10B	156	15/11B	156	15/12B	156
Wide Flat, 35mm Blade	–	–	15/10W	156	15/11W	156	15/12W	156
Bent Wide Flat, 35mm Blade	–	–	15/10G	156	15/11G	156	15/12G	156
Straight Scaling, 50mm Blade	–	–	15/10C	156	15/11C	156	15/12C	156
Flat Scaling, 19mm Blade	–	–	15/10E	178	15/11E	178	15/12E	178

# Accessories for Electric Hammer

Bull Point



Cold Chisel



Cutter



Scoop



Pipe Driver



Hexagonal Shank 17mm			
Part Number	Point Style	Overall Length	
		(mm)	(inch)
E85-1	Bull Point	280	11
E85-2		450	18
--		600	24
--		1000	40
E85-5	Cold Chisel	280	11
E85-6		450	18
--		600	24
--		1000	40
E85-7	Cutter 50mm wide	280	11
E85-10	Scoop 105mm wide	405	16

Hexagonal Shank

### Hexagonal Shank 21mm

Part Number	Point Style	Overall Length	
		(mm)	(inch)
E55-1	Bull Point	320	12 19/32
E55-2		450	18
E55-5	Cold Chisel	320	12 19/32
E55-6		450	18
E55-7	Cutter 50mm wide	320	12 19/32
E55-10	Scoop 130mm wide	450	18

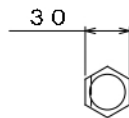


Hexagonal Shank



### Hexagonal Shank 30mm


Part Number	Point Style	Overall Length	
		(mm)	(inch)
E89-2	Bull Point	410	16 1/8
E89-5	Cold Chisel	410	16 1/8
E89-8	Cutter 75mm wide	410	16 1/8
E89-10	Scoop 130mm wide	450	18
—	Pipe Driver	290	11 27/64



# SDS shank & Others

## SDS-max Shank

Part Number	Point Style	Overall Length	
		(mm)	(inch)
—	Bull Point	280	11
—		400	16
—		600	24
—	Cold Chisel	280	11
—		400	16
—		600	24
—	Cutter 50mm wide	400	16
—	Scoop 105mm wide	400	16




## SDS-plus Shank

Part Number	Point Style	Overall Length	
		(mm)	(inch)
—	Bull Point	250	9 27/32
—	Cold Chisel	250	9 27/32
—	Cutter 40mm wide	250	9 27/32




## Shank Rod for Electric Hammer

Part Number	Type	Overall Length	
		(mm)	(inch)
E85-11	Rod Hex. Shank 17mm	250	9 27/32
E55-11	Rod Hex. Shank 21mm	250	9 27/32
E89-11	Rod Hex. Shank 30mm	250	9 27/32



## Pad · Bushing

Part Number	Type	Height (mm)
E85-13	Pad $\phi$ 140	55
E89-13	Pad $\phi$ 200	55
E85-12	Bushing 65mmx65mm	60



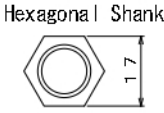
## Tile Scraper

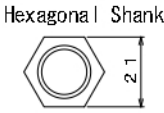
Part Number	Type	WidthxThickness (mm)
—	Tile Scraper (Standard Blade)	270x1.6
—	Tile Scraper (Reinforced Blade)	270x1.6

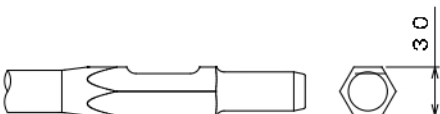


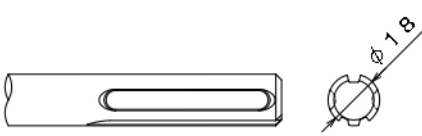


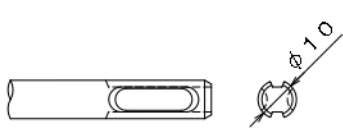
# Electric Hammer Applicable Model

Hexagonal Shank 17mm	HITACHI	MAKITA	RYOBI	BOSCH	HILTI
 <p>Hexagonal Shank</p>	PH-40C PH-40E PH-40F PH-45 H-41 H-41E H-41SA H-41SA2 (S) H-41SX H-45 (SR)	8500N 8500NP 8500NTP HM0801 HM0810 HM0810T HM0811 HM0821 HM0830	CH-410 CH-410A CH-420 CH-420A CH-425 CH-430 CH-460 CH-461 CH-462 CH-465 CH-465A	GSH5X GSH388X	TE500-X

Hexagonal Shank 21mm	HITACHI	MAKITA	RYOBI	BOSCH	HILTI
 <p>Hexagonal Shank</p>	PH-55 PH-55A H-50 H-50SA H-55 H-55SA H-55SC	8900S HM1201	CH-480 CH-481 CH-481N CH-485		

Hexagonal Shank 30mm	HITACHI	MAKITA	RYOBI	BOSCH	HILTI
	PH-65 H-65A H-65SA H-65SB H-65SB2 H-70SA	8600S 8900N HM1301 HM1302 HM1303 HM1304 HM1317C HM1500	CH-500 CH-500NA		

SDS-max Shank	HITACHI	MAKITA	RYOBI	BOSCH	HILTI
	H41MA H41MB H45MR H60MB H60MRV	HM0860C HM0871C HM1100C HM1201C HM1202C HM1213C		GSH4/N GSH5 GSH5CE/N GSH5E GSH9VC GSH10C GSH11E GSH11VC GSH388	TE500-AVR TE504 TE505 TE700-AVR TE704 TE705 TE706 TE706-AVR

SDS-plus Shank	HITACHI	MAKITA	RYOBI	BOSCH	HILTI
	DH18VB DH18PH DH24DVA DH24PC3 DH24PF3 DH24PH DH24PM DH25DAL DH28PC (Y) DH28PD DH30PC2 DH36DAL H25PV	HR242DRFX HR242DZK HR244DRMX HR261DRDX HR261DZK HR262DRDX HR262DWBX HR262DZK HR2432 HR2450 HR2450F HR2470F HR2510 HR2611F HR2811F HR3000C HK0500	ED-160 ED-162V ED-200VR ED-205VR ED-220VR ED-225 ED-260 ED-262 ED-263VR ED-265V	GBH2-24DSE GBH2-24DSR GBH2-26D(R)E GBH2-26DFR GBH2-28DV GBH2-28DFV GBH3-28DRE GBH4-32DFR GBH36V-LI GBH36V-LIN (H) GBH36VF-LI GBH36VF-LI (H) GBH36VFH GBH4DFE GAH500DSR GAH500SE PBH2100RE	TE7-A TE7-C TE10-A TE14 TE15 TE16-C TE16-M TE18-M TE22 TE24 TE35 TE40-AVR



# 02 Drill, Perforator & Rock Drilling Tool

## ◆ Drill, Perforator & Rock Drilling Tool

**P.33** Hexagonal Shank Drill 280mmL, 420mmL, 505mmL, & longer sized

**P.34** SDS-max, SDS-plus shank Drill & Applicable Model

**P.35** Tapered Shank Drill Bit (No.1 Taper)

**P.36** Drift Pin

**P.37** Integral Drill Steel & Tapered Rod

**P.38** Tapered Socket Bit (6°)



# Drill

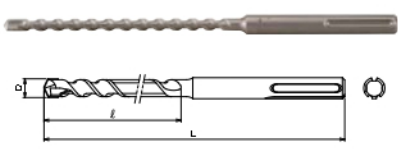
Hexagonal Shank Hammer Drill Bit					
Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)	Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)
10.0	280	160	14.5	420	300
10.5					
11.0					
12.0					
12.5					
12.7					
13.0					
13.5					
14.0					
14.5					
14.7					
15.0					
16.0					
16.5					
17.0					
17.5					
18.0					
18.5					
19.0					
19.5					
20.0					
21.0					
21.5					
22.0					
22.5					
23.0					
24.0					
25.0					
26.0					
26.5					
28.0					
29.0					
30.0					
32.0					
33.0					
35.0					
38.0					
40.0					
42.0					
			10.0	505	380
			10.5		
			11.0		
			12.0		
			12.5		
			12.7		
			12.9		
			13.0		
			13.5		
			14.0		
			14.5		
			14.7		
			15.0		
			16.0		
			16.5		
			17.0		
			17.5		
			18.0		
			18.5		
			19.0		
			19.5		
			20.0		
			21.0		
			21.5		
			22.0		
			22.5		
			23.0		
			24.0		
			25.0		
			26.0		
			26.5		
			28.0		
			29.0		
			30.0		
			32.0		
			33.0		
			35.0		
			38.0		
			40.0		
			42.0		

Hexagonal Shank Hammer Drill Bit Longer Sized		
Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)
14.5	640	510
16.0		
18.0		
19.0		
14.5	800	670
16.0		
19.0		
20.0		
22.0	850	720
25.0		
14.5	1000	870
16.0		
19.0		
20.0		
22.0		
25.0		
32.0		
40.0		
42.0		
45.0		
48.0		
50.0		
19.0	1200	1070
22.0		
25.0		
19.0	1500	1360
22.0		
25.0	1700	1550
19.0		
22.0		
25.0		

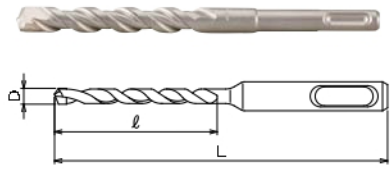
Applicable Model						
Hexagonal Hammer Drill Shanks 13H	HITACHI		MAKITA		RYOBI	
	PR-25A	DH-38	8038B	HR3530	ED-250A	ED-382A
	PR-25B	DH-38SA	8038N	HR3801	ED-350	ED-382NA
	PR-32	DH-38Y	8700B	HR3811	ED-380	ED-383
	PR-38C	DH-38YC	8700N	HR3811P	ED-380A	ED-383N
	PR-38E	DH-40SA	8800N	HR3850	ED-381	ED-385
	PR-50	DH-42	HR3511	HR4030C	ED-381A	ED-425
	DH-35	DH-45SA	HR3520		ED-382	


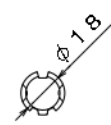


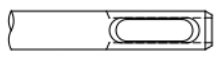

SDS-max Drill Bit		
Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)
10.0	340	200
10.5		
11.0		
12.0		
12.5		
12.7		
13.0		
13.5		
14.0		
14.3		
14.5		
15.0		
16.0		
16.5		
17.0		
17.5		
18.0		
19.0		
20.0		
21.0		
21.5		
22.0		
23.0		
24.0		
25.0		
26.0		
28.0		
30.0		
32.0		
35.0		
38.0		
40.0		



SDS-plus Drill Bit							
Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)	Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)		
3.4	110	50	16.0	260	200		
3.5							
4.0							
4.3							
4.5							
4.8							
5.0							
5.3							
5.5							
6.0							
6.4							
6.5							
3.4			160	100	16.5		
3.5							
4.0							
4.3							
4.5							
5.0							
5.3							
5.5							
6.0							
6.4							
6.5							
7.0							
7.5							
8.0							
8.5							
9.0							
9.5							
10.0							
10.5							
11.0							
12.0							
12.5							
12.7							
13.0							
13.5							
14.0							
14.3							
14.5							
15.0							
16.0							
16.5							
17.0							
17.5							
18.0							

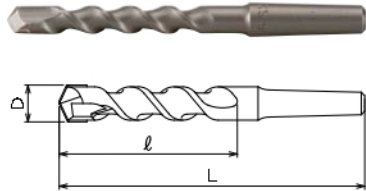


Applicable Model							
SDS-max Drill Shanks	HITACHI	MAKITA	RYOBI	BOSCH		HILTI	
 	DH38MS	HR3541FC	ED400	GBH38/N	GBH8-45DV	TE50-AVR	TE70-ATC
	DH40MA	HR4000C	ED400E	GBH5DCE	GBH8/65DCE	TE54	TE74
	DH40MB	HR4002		GBH5-38E	GBH10DC	TE55	TE75
	DH40MR	HR4011C		GBH5-40DCE	GBH11DE	TE56	TE76
	DH40MRY	HR4013C		GBH7DE		TE56-ATC	TE76-ATC
	DH50MB	HR5001C		GBH7-45DE		TE60-ATC	TE80-ATCAVR
	DH50MRY	HR5211C		GBH7-46DE		TE70	

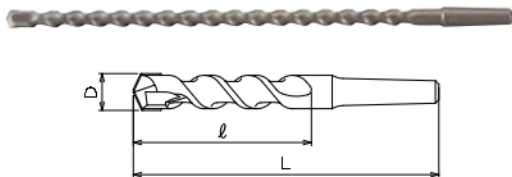
SDS-plus Drill Shanks	HITACHI	MAKITA		RYOBI	BOSCH		HILTI
 	DH18VB	HR242DRFX	HR2510	ED-160	GBH2-24DSE	GBH36VFH	TE7-A
	DH18PH	HR242DZK	HR2611F	ED-162V	GBH2-24DSR	GBH4DFE	TE7-C
	DH24DVA	HR244DRMX	HR2811F	ED-200VR	GBH2-26D (R) E	GAH500DSR	TE10-A
	DH24PC3	HR261DRDX	HR3000C	ED-205VR	GBH2-26DFR	GAH500SE	TE14
	DH24PF3	HR261DZK		ED-220VR	GBH2-28DV	PBH2100RE	TE15
	DH24PH	HR262DRDX		ED-225	GBH2-28DFV		TE16-C
	DH24PM	HR262DWEX		ED-260	GBH3-28DRE		TE16-M
	DH25DAL	HR262DZK		ED-262	GBH4-32DFR		TE18-M
	DH28PC (Y)	HR2432		ED-263VR	GBH36V-LI		TE22
	DH28PD	HR2450		ED-265V	GBH36V-LIN (H)		TE24
	DH30PC2	HR2450F			GBH36VF-LI		TE35
	DH36DAL	HR2470F			GBH36VF-LI (H)		TE40-AVR

# Tapered Shank Drill Bit (No.1 Taper)

Tapered Shank Drill Bit					
Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)	Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)
8.0	115	60	14.3	120	70
8.5			14.5		
9.0			14.7		
9.5			15.0		
10.0			16.0		
10.5	120	70	16.5	130	80
11.0			16.7		
12.0			18.0		
12.5			18.5		
12.7			19.0		
13.0	120	70	20.0	160	100
13.5			21.5		
14.0			22.0		



Tapered Shank Drill Bit (Long Sized)		
Dia (D) (mm)	Overall Length (L) (mm)	Working Length (ℓ) (mm)
10.0	280	230
10.5		
11.0		
12.0		
12.5		
12.7		
13.0		



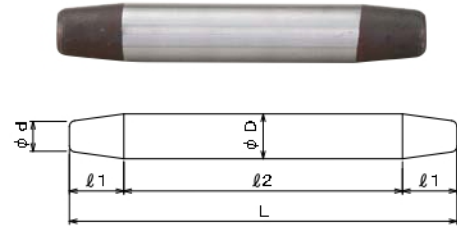
Tapered Adapter (Hexagonal Hammer)	
Overall Length (L) (mm)	
160	
500	
1000	
1500	
2000	

Cotter	
Overall Length (L) (mm)	
120	

# Drift Pin

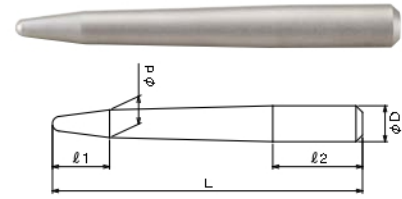
## Drift Pin

Nominal Diameter ( $\phi D \times L$ ) (mm)	$\phi d$ (mm)	$l_1$ (mm)	$l_2$ (mm)
17.5x110	13	20	70
20.5x130	16	20	90
21.5x130	17	20	90
22.5x130	18	20	90
23.5x150	19	25	100
24.5x150	20	25	100
25.5x150	22	25	100
26.5x150	22	25	100
26.5x180	22	25	130



## Taper Pin

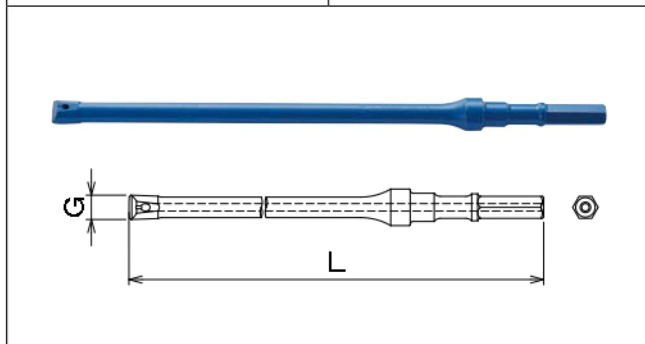
Nominal Diameter (mm)	$\phi D$ (mm)	L (mm)	$l_1$ (mm)	$l_2$ (mm)	$\phi d$ (mm)
13	16	130	20	40	10
16	19	160	25	45	13
19	22	190	35	55	17
22	25	220	35	70	19
25	28	250	35	70	22
28	32	280	40	80	25



# Integral Drill Steel & Tapered Rod

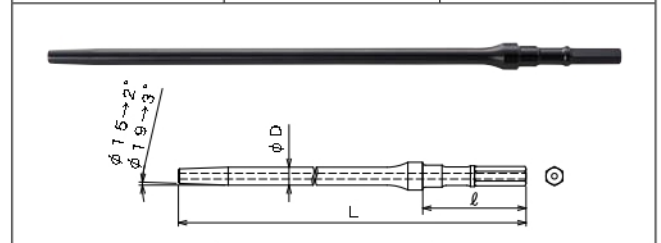
## Integral Drill Steel (for TH-5 Rotary Hammer)

Diameter (G) (mm)	Overall Length (L) (mm)
12	350
	250
13	300
	350
	400
	230
14	250
	400
14.5	250
	300
15	300
	250
16	280
	350
	400
	500
	600
	700
	300
17.5	280
	400
	500
	600
18	700
	300
	400
	500
19	600
	700
	300
	400
20	280
	320
	400
	500
	600
21.5	700
	300
	280
22	400
	500
	600
	700
	800



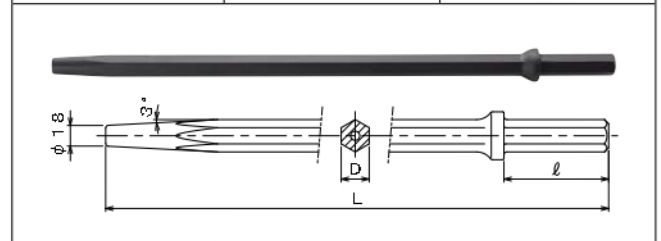
## Tapered Rod (for TH-5 Rotary Hammer)

Diameter ( $\phi D$ ) (mm)	Shank Length ( $\ell$ ) (mm)	Overall Length (L) (mm)
15	84	300
		400
		500
		600
		700
		800
		900
		1000
		1200
		19
400		
500		
600		
700		
800		
900		
1000		
1200		



## Tapered Rod (for Rock Drill)

Diameter (D) (mm)	Shank Length ( $\ell$ ) (mm)	Overall Length (L) (mm)
19H	83	400
		500
		600
		900
		1000
		1200
		1500
		1800
		2100
		2400
		3000
		3500
		4000
		4500
		5000
22H	108	5500
		600
		900
		1000
		1200
		1500
		1800
		2100
		2400
		2500
		2700
		3000
		3500
		4000
		4500





# Tapered Socket Bit (6°)

## Straight Bit

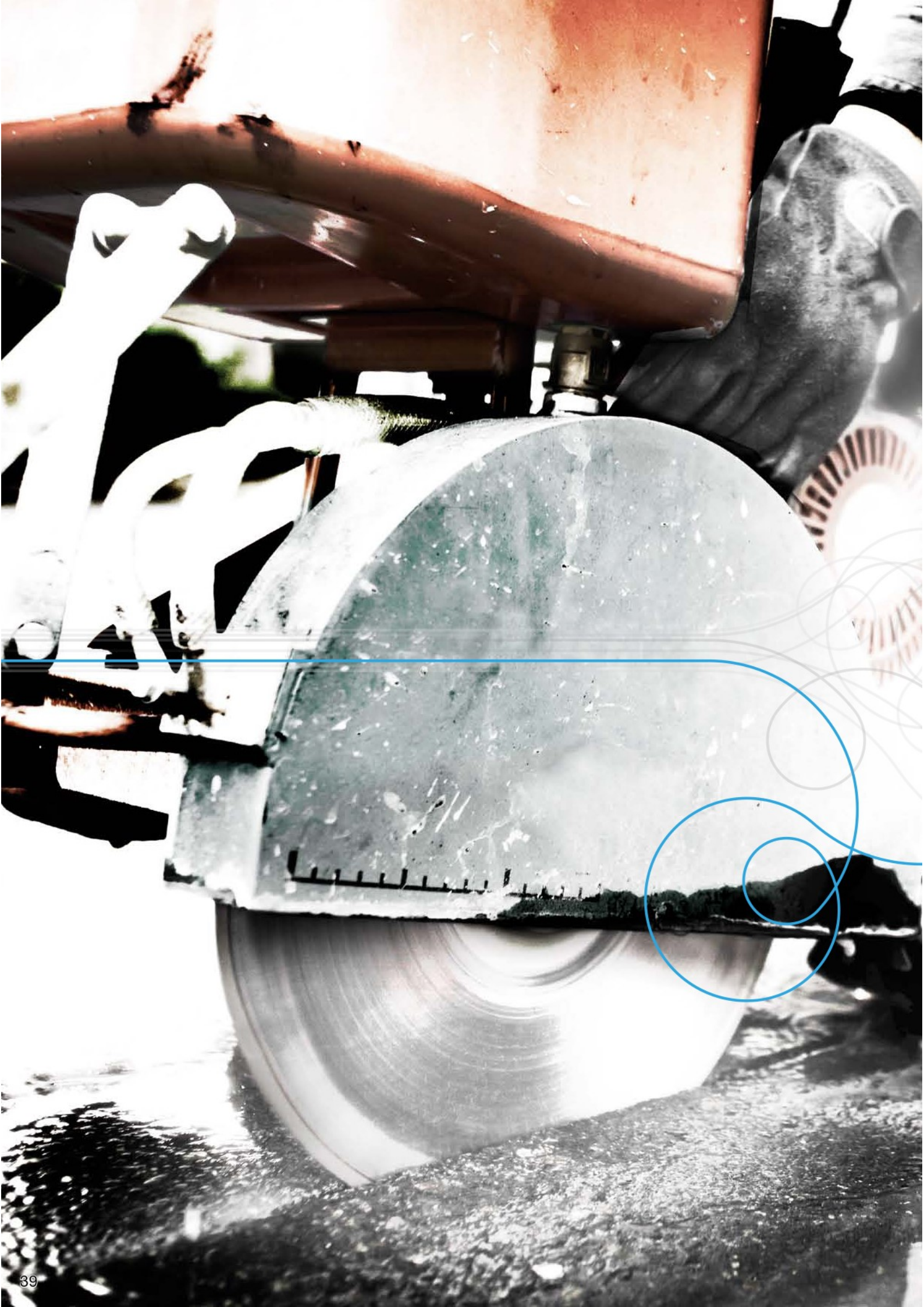
Model	Insert Diameter ( $\phi D$ ) (mm)	Gauge (G) (mm)
TC15	15	20
		21
		22
TC19	19	24
		26
		28
		30
		32
		34
		36
TC22	22	38
		28
		30
		32
		34
		36
		38
		40
		42
		44
46		
48		

## Cross Bit

Model	Insert Diameter ( $\phi D$ ) (mm)	Gauge (G) (mm)
TX15	15	20
		21
		22
		24
		25
TX19	19	24
		26
		28
		30
		32
		34
		36
TX22	22	38
		28
		30
		32
		34
		36
		38
		40
		42
		44
		46
		48
		50
55		
60		
65		

## Twin Bit

Gauge (G) (mm)
60
70
80
90
100
110
120







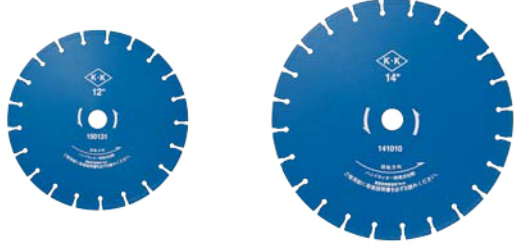
# 03 Cutter Blade & Others

## ◆ Cutter Blade & Others


- P.41-42** Diamond Blade
- P.43** Circular Saw Blade
- P.44** Oil Absorbent Mat

# Diamond Blade


## Diamond Blade (Dry) S-Model

Part Number	Outside Diameter		Center Hole	
	(inch)	(mm)		
S12	12	305	20	
			22	
			25.4	
			30.5	
S14	14	355	20	
			22	
			25.4	
			30.5	
<b>[Machinery Type]</b>	Engine Cutter			
<b>[application]</b>	Concrete			
<b>[Class]</b>	Standard			

## Diamond Blade (Dry) AD-Model

Part Number	Outside Diameter		Center Hole	
	(inch)	(mm)		
AD12	12	305	20	
			22	
			25.4	
			30.5	
AD14	14	355	20	
			22	
			25.4	
			27	
AD16	16	405	30.5	
<b>[Machinery Type]</b>	Engine Cutter			
<b>[Class]</b>	High Grade			

## Diamond Blade (Dry) D-Model

Part Number	Outside Diameter		Center Hole	
	(inch)	(mm)		
D4	4	100	20	
D5	5	125	22	
D6	6	150	22	
D7	7	180	25.4	
D8	8	205	22	
			25.4	
D9	9	230	22	
			25.4	
D10	10	255	20	
			22	
			25.4	
			30.5	
D12	12	305	20	
			22	
			25.4	
D14	14	355	30.5	
			20	
			22	
<b>[Machinery Type]</b>	Power Tool · Engine Cutter			
<b>[Class]</b>	Standard			

\*We can supply center ring attachment to adjust your requirement.



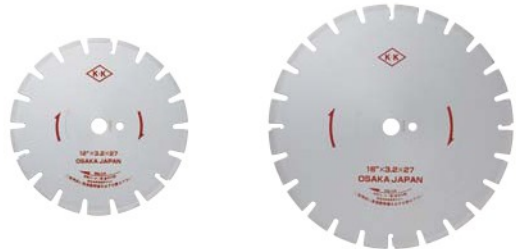
### Diamond Blade (Dry) for Pneumatic Cutter & Power Tool AK-Model

Part Number	Outside Diameter		Center Hole
	(inch)	(mm)	
AK4	4	100	20
AK5	5	125	22
AK7	7	180	25.4
AK9	9	230	25.4
<b>[Machinery Type]</b>	Pneumatic Cutter		
<b>[application]</b>	Concrete		
<b>[Class]</b>	High Grade		



### Diamond Blade (Wet) for Asphalt Cutter W-Model

Part Number	Outside Diameter		Center Hole
	(inch)	(mm)	
W12	12	305	27
W14	14	355	
W16	16	405	
W18	18	455	
<b>[application]</b>	Asphalt · Concrete		
<b>[Class]</b>	Standard		



### Diamond Blade (Wet) for Asphalt Cutter AW-Model


Part Number	Outside Diameter		Center Hole
	(inch)	(mm)	
AW12	12	305	27
AW14	14	355	
AW16	16	405	
AW18	18	455	
<b>[application]</b>	Asphalt · Concrete		
<b>[Class]</b>	High Grade		




\*We can supply center ring attachment to adjust center hole of your requirement.

# Circular Saw Blade


## Grass Cutter

Model Name	Specification	
Grass Cutter Blade-4 Blades	SK 230×1.4×4P	
	SK 255×1.4×4P	
Grass Cutter Blade-8 Blades	SK 230×1.4×8P	
	SK 255×1.4×8P	
Grass Cutter Blade-Saw Blades	SK 230×1.4×80P	
	SK 255×1.4×80P	

## Grass Cutter (Tip Saw)

Model Name	Specification	
Brush Cutter -Holes Type (with weight saving holes)	230×36P	
	255×40P	
Brush Cutter -Durability Reinforced Type	230×36P	
	255×40P	
Brush Cutter for Arrow Bamboo	230×62P	
	255×62P	

## Hammer Knife More Blades

Model Name	Specification	
Blades	34mm width×135mm length	
Bolt	M10	
Nut		
Nut (with spring)		

# Oil Absorbent Mat

## Oil Absorbent Mat LMT-4002SX

- Repels water while absorbing petroleum-based liquids.
- Does not deteriorate, disintegrate, or sink.
- Can be wrung out and reused or disposed of by incineration or fuel blending in accordance with local regulations.
- Absorbency : 1.2 *l* / pce.

**Size** 40cm×50cm    **100 pcs / 1 case**



## Oil Absorbent Mat (thinner type) LMT-2002SX

- Repels water while absorbing petroleum-based liquids.
- Does not deteriorate, disintegrate, or sink.
- Can be wrung out and reused or disposed of by incineration or fuel blending in accordance with local regulations.
- Absorbency : 0.6 *l* / pce.

**Size** 40cm×50cm    **200 pcs / 1 case**



## Oil Absorbent Socks BOS-SOC7624

- Have same ability of Absorbent Mat.
- Possible to change in shape for different applications.
- Can be jointed to work for wide area
- Absorbency : 8.5 *l* / pce.

**Size**  $\phi$ 7.6cm×2.4m    **10 pcs / 1 case**



## Oil Absorbent Drum Cover BOS-DTP280

- Have same ability of Absorbent Mat.
- Specialised for drum cover
- with hole for outlet hole on drum
- Absorbency : 1.0 *l* / pce.

**Size**  $\phi$ 55cm    **25 pcs / case**



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**Base on “technique”,  
“reliability” and “human resources”  
that we have accumulated from our over  
7 decades of history and experiences,  
we are committed to meeting each needs  
from our esteemed customers.**





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