

# Hydraulic Breakers 10-40t / 22,000-88,000lbs

**KFX**

The KFX breaker-series has two adjusting valves as standard. Firstly, a control valve on the cylinder of the hammer allows the operator to adjust the number of blows generated. A second valve allows the adjustment of the working pressure from 160bar / 2,320psi to 200bar / 2,900psi. Working in tunnels, and even underwater, is also possible by adding air tubes.



- ▷ **Regulation of the operating pressure:** KFX-breakers, regulating the working pressure from 160bar/2,320psi to 200bar/2,900psi can be managed manually by valve adjustment.
- ▷ **Blows adjustment:** For KFX-breakers, regulating the blow rate can be managed manually by adjusting a valve located on the side of the breaker.
- ▷ **Hydraulic system for blank firing:** a regenerative oil circuit that avoids blank firing when the tool is not in contact with the rock.

## Technical data KFX

Type	Weight (kg/lbs)	Diameter tool (mm/in)	Energy ( J )	Hits per minute (/min)	Height with standard tools (mm/in)	Operating weight (t/lbs)
<b>KFX 16</b>	950 / 2,090	115 / 4.5	2,600	600 - 900	1,940 / 76.4	10 - 17 / 22,000 - 37,400
<b>KFX 20</b>	1,200 / 2,640	120 / 4.7	3,200	400 - 900	2,030 / 79.9	13 - 19 / 28,600 - 41,800
<b>KFX 26</b>	1,650 / 3,630	135 / 5.3	4,200	400 - 800	2,290 / 90.2	18 - 24 / 39,600 - 52,800
<b>KFX 29</b>	1,850 / 4,070	140 / 5.5	4,700	400 - 800	2,515 / 99.0	22 - 27 / 48,400 - 59,400
<b>KFX 32</b>	2,200 / 4,840	150 / 5.9	5,400	400 - 800	2,560 / 100.8	23 - 31 / 50,600 - 68,200
<b>KFX 36</b>	2,900 / 6,380	160 / 6.3	8,500	350 - 700	2,740 / 107.9	28 - 38 / 61,600 - 83,600
<b>KFX 40</b>	3,200 / 7,040	160 / 6.3	9,000	300 - 650	2,740 / 107.9	30 - 40 / 66,000 - 88,000

**Package consists of:** breaker, two standard tools at option (moil, blunt, pyramid, chisel) and nitrogen adapter

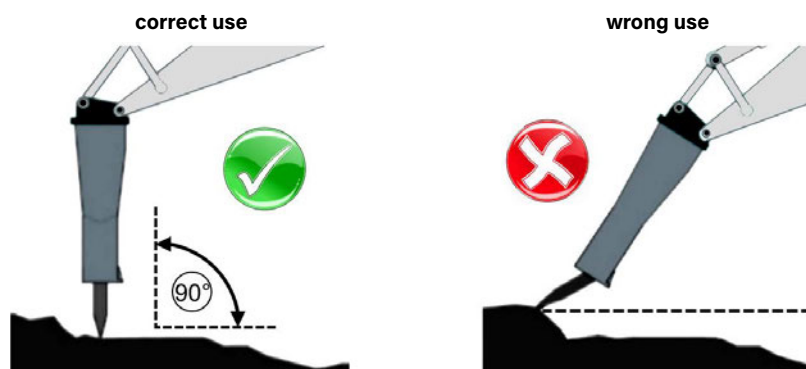
## Hydraulics KFX

Type	Pump capacity (l/min/GPM)	Operating pressure (bar/psi)	Back pressure max. (bar/psi)	Inner diameter pressure line	Inner diameter tank line
<b>KFX 16</b>	90 - 120 / 23.8 - 31.7	<b>165 / 2,390</b>	<b>25 / 362</b>	1"	1"
<b>KFX 20</b>	110 - 140 / 29.1 - 37.0	<b>170 / 2,460</b>	<b>25 / 362</b>	1"	1"
<b>KFX 26</b>	130 - 160 / 34.4 - 42.3	<b>180 / 2,610</b>	<b>25 / 362</b>	1"	1"
<b>KFX 29</b>	140 - 180 / 37.0 - 47.6	<b>180 / 2,610</b>	<b>25 / 362</b>	1"	1"
<b>KFX 32</b>	165 - 190 / 43.6 - 50.2	<b>180 / 2,610</b>	<b>25 / 362</b>	1"1/4	1"1/4
<b>KFX 36</b>	180 - 240 / 57.6 - 63.4	<b>180 / 2,610</b>	<b>25 / 362</b>	1"1/4	1"1/4
<b>KFX 40</b>	200 - 260 / 52.8 - 68.7	<b>180 / 2,610</b>	<b>25 / 362</b>	1"1/4	1"1/4

## Accessories

Type	Description
<b>KFX-Auto-Lube</b>	automatic greasing system
<b>KFX-Tunnel-Set</b>	specific system for tunnel works
<b>KFX-Water-Set</b>	stops water ingress
<b>KM 690 15t</b>	adapter for rigid mounting – up to 15t/33,000lbs
<b>KM 690 20t</b>	adapter for rigid mounting – up to 20t/44,000lbs
<b>KM 690 27t</b>	adapter for rigid mounting – up to 27t/59,400lbs
<b>KM 690 32t</b>	adapter for rigid mounting – up to 32t 70,400lbs
<b>KM 690 40t</b>	adapter for rigid mounting – up to 40t/88,000lbs
<b>KSW10 rigid</b>	bolt-on adapter for system L-Lock KMS10L/KHS10L for rigid mounting – up to 19t/41,800lbs
<b>KSW21/25 rigid</b>	bolt-on adapter for system L-Lock KMS21/25L / KHS21/25L – up to 40t/88,000lbs
<b>OQ</b>	bolt-on adapter for OilQuick – up to 70t/15,4000lbs
	adapters for quick change systems from other manufacturers or different sizes on request

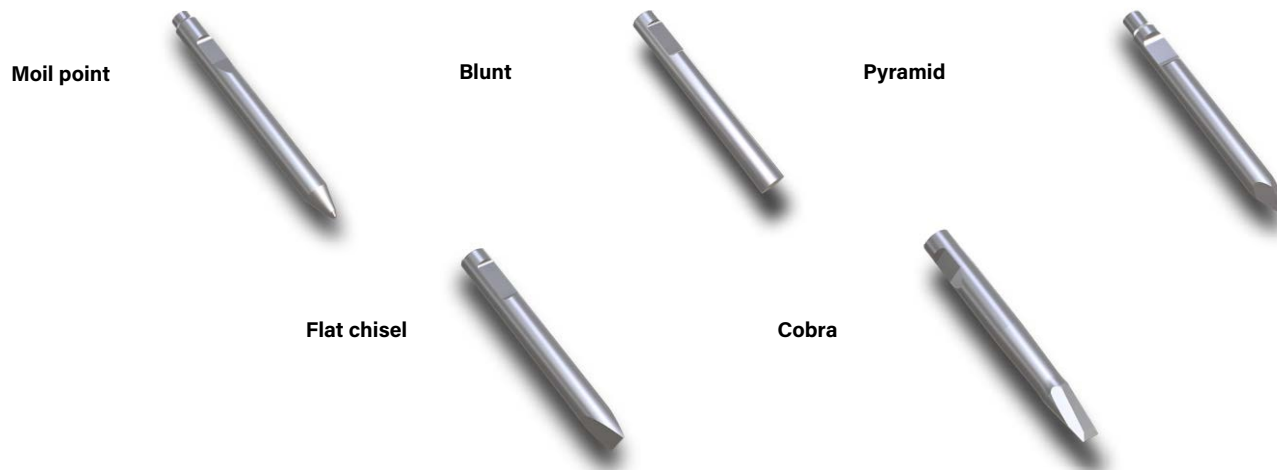
## Use



## Chisels for Breakers

KFX

Benefit from the large variety of chisels for different tasks.



## Tools for KFX

Type	Suitable for	Diameter (mm/in)	Description
KFX 16 Moil	KFX 16	115 / 4.5	moil chisel for concrete, mediumhard and non-layered rock
KFX 16 Blunt	KFX 16	115 / 4.5	blunt chisel for reinforced concrete and highly compact rock
KFX 16 Pyramid	KFX 16	115 / 4.5	pyramid chisel for reinforced concrete and highly compact rock
KFX 16 Flat chisel	KFX 16	115 / 4.5	flat chisel for medium-hard and layered rock
KFX 16 Cobra	KFX 16	115 / 4.5	cobra chisel for quarry works such as primary demolition and block reduction
KFX 20 Moil	KFX 20	120 / 4.7	moil chisel for concrete, mediumhard and non-layered rock
KFX 20 Blunt	KFX 20	120 / 4.7	blunt chisel for reinforced concrete and highly compact rock
KFX 20 Pyramid	KFX 20	120 / 4.7	pyramid chisel for reinforced concrete and highly compact rock
KFX 20 Flat chisel	KFX 20	120 / 4.7	flat chisel for medium-hard and layered rock
KFX 20 Cobra	KFX 20	120 / 4.7	cobra chisel for quarry works such as primary demolition and block reduction
KFX 26 Moil	KFX 26	135 / 5.3	moil chisel for concrete, mediumhard and non-layered rock
KFX 26 Blunt	KFX 26	135 / 5.3	blunt chisel for reinforced concrete and highly compact rock
KFX 26 Pyramid	KFX 26	135 / 5.3	pyramid chisel for reinforced concrete and highly compact rock
KFX 26 Flat chisel	KFX 26	135 / 5.3	flat chisel for medium-hard and layered rock
KFX 26 Cobra	KFX 26	135 / 5.3	cobra chisel for quarry works such as primary demolition and block reduction
KFX 29 Moil	KFX 29	140 / 5.5	moil chisel for concrete, mediumhard and non-layered rock
KFX 29 Blunt	KFX 29	140 / 5.5	blunt chisel for reinforced concrete and highly compact rock
KFX 29 Pyramid	KFX 29	140 / 5.5	pyramid chisel for reinforced concrete and highly compact rock
KFX 29 Flat chisel	KFX 29	140 / 5.5	flat chisel for medium-hard and layered rock
KFX 29 Cobra	KFX 29	140 / 5.5	cobra chisel for quarry works such as primary demolition and block reduction
KFX 32 Moil	KFX 32	150 / 5.9	moil chisel for concrete, mediumhard and non-layered rock
KFX 32 Blunt	KFX 32	150 / 5.9	blunt chisel for reinforced concrete and highly compact rock
KFX 32 Pyramid	KFX 32	150 / 5.9	pyramid chisel for reinforced concrete and highly compact rock
KFX 32 Flat chisel	KFX 32	150 / 5.9	flat chisel for medium-hard and layered rock
KFX 32 Cobra	KFX 32	150 / 5.9	cobra chisel for quarry works such as primary demolition and block reduction
KFX 36 Moil	KFX 36	160 / 6.3	moil chisel for concrete, mediumhard and non-layered rock
KFX 36 Blunt	KFX 36	160 / 6.3	blunt chisel for reinforced concrete and highly compact rock
KFX 36 Pyramid	KFX 36	160 / 6.3	pyramid chisel for reinforced concrete and highly compact rock
KFX 36 Flat chisel	KFX 36	160 / 6.3	flat chisel for medium-hard and layered rock
KFX 36 Cobra	KFX 36	160 / 6.3	cobra chisel for quarry works such as primary demolition and block reduction
KFX 40 Moil	KFX 40	160 / 6.3	moil chisel for concrete, mediumhard and non-layered rock
KFX 40 Blunt	KFX 40	160 / 6.3	blunt chisel for reinforced concrete and highly compact rock
KFX 40 Pyramid	KFX 40	160 / 6.3	pyramid chisel for reinforced concrete and highly compact rock
KFX 40 Flat chisel	KFX 40	160 / 6.3	flat chisel for medium-hard and layered rock
KFX 40 Cobra	KFX 40	160 / 6.3	cobra chisel for quarry works such as primary demolition and block reduction

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# Hydraulic Breakers up to 200t / 440,000lbs

**KFX**

The KFX breaker-series has two adjusting valves as standard. Firstly, a control valve on the cylinder of the hammer allows the operator to adjust the number of blows generated. A second valve allows the adjustment of the working pressure from 160bar / 2320psi to 200bar / 2900psi. Working in tunnels, and even underwater, is also possible by adding air tubes.

- ▷ **Regulation of the operating pressure:** KFX-breakers (KFX 20 to KFX 200), regulating the working pressure from 160bar / 2,320psi to 200bar / 2,900psi can be managed manually by valve adjustment.
- ▷ **Blows adjustment:** For KFX-breakers (KFX 20 to KFX 200), regulating the blow rate can be managed manually by adjusting a valve located on the side of the breaker.
- ▷ **Hydraulic system for blank firing:** a regenerative oil circuit that avoids blank firing when the tool is not in contact with the rock.



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## Technical data KFX

Type	Weight (kg/lbs)	Diameter tool (mm/in)	Energy (J)	Hits per minute (/min)	Height with standard tools (mm/in)	Operating weight (t/lbs)
<b>KFX 47</b>	3,700 / 8,140	180 / 7.1	9,500	300 - 650	3,040 / 119.7	35 - 50 / 77,000 - 110,000
<b>KFX 58</b>	4,400 / 8,680	180 / 7.1	12,500	300 - 650	3,040 / 119.7	36 - 55 / 79,200 - 121,000
<b>KFX 70</b>	4,850 / 10,670	195 / 7.7	16,500	250 - 550	3,090 / 121.7	40 - 65 / 88,000 - 143,000
<b>KFX 80</b>	5,800 / 12,760	195 / 7.7	18,500	250 - 550	3,010 / 118.5	45 - 75 / 99,000 - 165,000
<b>KFX 120</b>	7,800 / 17,160	215 / 8.5	23,000	200 - 400	2,560 / 108.8	60 - 110 / 132,000 - 242,000
<b>KFX 150</b>	12,000 / 26,400	255 / 10.0	28,000	150 - 300	2,740 / 107.9	80 - 170 / 176,000 - 374,000
<b>KFX 200</b>	14,500 / 31,900	280 / 11.0	35,000	150 - 250	2,740 / 107.9	100 - 200 / 220,000 - 440,000

**Package consists of:** breaker, two standard tools at option (moil, blunt, pyramid, chisel) and nitrogen adapter

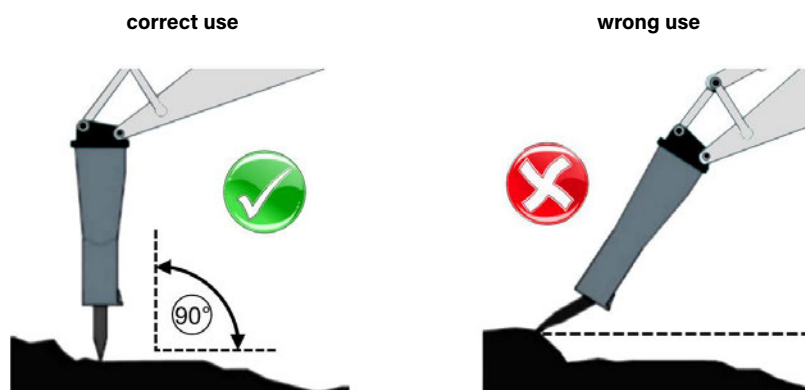
## Hydraulics KFX

Type	Pump capacity (l/min/GPM)	Operating pressure (bar/psi)	Back pressure max. (bar/psi)	Inner diameter pressure line	Inner diameter tank line
<b>KFX 47</b>	250 - 300 / 66.0 - 79.5	<b>180 / 2,610</b>	<b>25 / 362</b>	1"1/4	1"1/4
<b>KFX 58</b>	270 - 320 / 71.0 - 84.5	<b>190 / 2,750</b>	<b>25 / 362</b>	1"1/4	1"1/4
<b>KFX 70</b>	290 - 350 / 76.5 - 92.5	<b>190 / 2,750</b>	<b>30 / 434</b>	1"1/4	1"1/4
<b>KFX 80</b>	300 - 380 / 79.5 - 100.5	<b>190 / 2,750</b>	<b>30 / 434</b>	1"1/4	1"1/4
<b>KFX 120</b>	380 - 440 / 100.5 - 116.0	<b>190 / 2,750</b>	<b>30 / 434</b>	1"1/4	1"1/4
<b>KFX 150</b>	480 - 570 / 126.8 - 150.5	<b>190 / 2,750</b>	<b>30 / 434</b>	1"1/2	1"1/2
<b>KFX 200</b>	500 - 600 / 132.0 - 158.5	<b>190 / 2,750</b>	<b>30 / 434</b>	1"1/2	1"1/2

## Accessories

Type	Description
<b>KFX-Auto-Lube</b>	automatic greasing system
<b>KFX-Tunnel-Set</b>	specific system for tunnel works
<b>KFX-Water-Set</b>	stops water ingress
<b>KM 690 40t</b>	adapter for rigid mounting – up to 40t/88,000lbs
<b>KM 690 50t</b>	adapter for rigid mounting – up to 50t/110,000lbs
<b>KM 690 70t</b>	adapter for rigid mounting – up to 70t/154,000lbs
<b>OQ</b>	bolt-on adapter for OilQuick – up to 70t/154,000lbs
	adapters for quick change systems from other manufacturers or different sizes on request

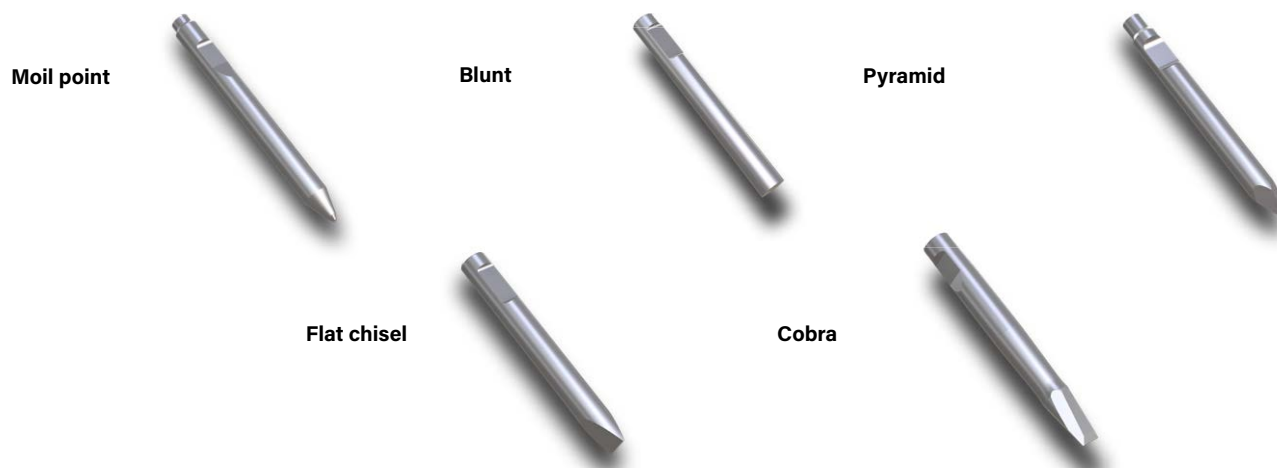
## Drawings



## Chisels for Breakers

KFX

Benefit from the large variety of chisels for different tasks.



## Tools for KFX

Type	Suitable for	Diameter (mm/in)	Description
<b>KFX 47 Moil Point</b>	KFX 47	180 / 7.1	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 47 Blunt</b>	KFX 47	180 / 7.1	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 47 Pyramid</b>	KFX 47	180 / 7.1	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 47 Flat chisel</b>	KFX 47	180 / 7.1	flat chisel chisel for medium-hard and layered rock
<b>KFX 47 Cobra</b>	KFX 47	180 / 7.1	cobra chisel for quarry works such as primary demolition and block reduction
<b>KFX 58 Moil Point</b>	KFX 58	180 / 7.1	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 58 Blunt</b>	KFX 58	180 / 7.1	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 58 Pyramid</b>	KFX 58	180 / 7.1	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 58 Flat chisel</b>	KFX 58	180 / 7.1	flat chisel chisel for medium-hard and layered rock
<b>KFX 58 Cobra</b>	KFX 58	180 / 7.1	cobra chisel for quarry works such as primary demolition and block reduction
<b>KFX 70 Moil Point</b>	KFX 70	195 / 7.7	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 70 Blunt</b>	KFX 70	195 / 7.7	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 70 Pyramid</b>	KFX 70	195 / 7.7	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 70 Flat chisel</b>	KFX 70	195 / 7.7	flat chisel chisel for medium-hard and layered rock
<b>KFX 36 Cobra</b>	KFX 70	195 / 7.7	cobra chisel for quarry works such as primary demolition and block reduction
<b>KFX 80 Moil Point</b>	KFX 80	195 / 7.7	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 80 Blunt</b>	KFX 80	195 / 7.7	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 80 Pyramid</b>	KFX 80	195 / 7.7	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 80 Flat chisel</b>	KFX 80	195 / 7.7	flat chisel chisel for medium-hard and layered rock
<b>KFX 80 Cobra</b>	KFX 80	195 / 7.7	cobra chisel for quarry works such as primary demolition and block reduction
<b>KFX 120 Moil Point</b>	KFX 120	215 / 8.5	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 120 Blunt</b>	KFX 120	215 / 8.5	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 120 Pyramid</b>	KFX 120	215 / 8.5	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 120 Flat chisel</b>	KFX 120	215 / 8.5	flat chisel chisel for medium-hard and layered rock
<b>KFX 120 Cobra</b>	KFX 120	215 / 8.5	cobra chisel for quarry works such as primary demolition and block reduction
<b>KFX 150 Moil Point</b>	KFX 150	255 / 10.0	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 150 Blunt</b>	KFX 150	255 / 10.0	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 150 Pyramid</b>	KFX 150	255 / 10.0	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 150 Flat chisel</b>	KFX 150	255 / 10.0	flat chisel chisel for medium-hard and layered rock
<b>KFX 150 Cobra</b>	KFX 150	255 / 10.0	cobra chisel for quarry works such as primary demolition and block reduction
<b>KFX 200 Moil Point</b>	KFX 200	280 / 11.0	moil chisel for concrete, mediumhard and non-layered rock
<b>KFX 200 Blunt</b>	KFX 200	280 / 11.0	blunt chisel for reinforced concrete and highly compact rock
<b>KFX 200 Pyramid</b>	KFX 200	280 / 11.0	pyramid chisel for reinforced concrete and highly compact rock
<b>KFX 200 Flat chisel</b>	KFX 200	280 / 11.0	flat chisel chisel for medium-hard and layered rock
<b>KFX 200 Cobra</b>	KFX 200	280 / 11.0	cobra chisel for quarry works such as primary demolition and block reduction

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