MORE BITE FOR YOUR MONEY

PRODUCT CATALOGUE

KVX

- System for Excavators
- System for Wheel Loaders
- System for Front Shovel
- System for Underground
- Teeth & Bolts
- Wear Protection
- Tools & Accessories
- Technical documents

www.kvx.no

KVX – UNIQUE SOLUTIONS FOR A GLOBAL MARKET

The history of KVX dates back to the foundation of Kverneland Group by Ole Gabriel Kverneland who built his small forge in the village of Kvernaland in 1879. He named his business "O.G. Kvernelands Fabrik" and started to manufacture scythes.

Today KVX is Norway's leading manufacturer of G.E.T (ground engaging tools) and a growing international player serving the construction, quarry and mining industries, while also offering products for a range of other severe industrial applications.

KVX has gained worldwide recognition for its highly wear resistant bolt-on ground engaging tool system for earth moving machines. In recent years, KVX has also developed a highly attractive range of buckets and attachment products for excavators, wheel loaders and front shovel machines, primarily indented for our international customers.

KVX is part of Komatsu; the world's second largest manufacturer of earth moving equipment. KVX headquarters are based in Kverneland, 30 km south of Stavanger, Norway.

In the KVX Product Catalogue you will find important information about tools, installation procedures and techniques, etc. to ensure that you get the best out of our systems. Combined with our web site kvx.no this catalogue is a good tool to find the right GET and tooth system to suit your machine and application. For further information, please feel free to contact our sales department or local dealers.

Before Ole Gabriel Kverneland built his first forge in 1879.

Now Product development and heat treatment process are key components at KVX.

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Subject to errors and changes. On kvx.no you will always find an updated version of this catalogue.
Many of our products are customized for the end customer – illustrations in this catalogue are not always of standard products.

KVX – A GROUNDBREAKING SYSTEM FOR ANY MACHINE

KVX GET systems provide innovative solutions to every day GET issues, using a unique Combination of features.

Following are some of those features and the benefits they can offer to your operation, no matter what brand of loader or excavator you utilize at your site.

1

KVX Sagitta Bucket Lip Standard!

World-renowned Sagitta steel offers an unrivalled balance of "hardness" and "toughness". Sagitta's complex blend of alloying elements, and a specialised hardening process, result in consistent material characteristics throughout – through hardened to the core!

KVX products are rolled, forged or cast. The technology is chosen to optimize performance of each individual product.

Advantages are:

1. Significantly Longer Bucket Lip Life (~500HB vs 250~400HB for most conventional Lips)
2. Stronger Bucket (toughness & tensile strength)
3. Far Less Maintenance & Downtime
4. Little Or No Lip Protection Required
5. Almost Zero Welding Maintenance
6. Truly "Smooth Floor" Design Inside & out (Optimal Penetration & Productivity)

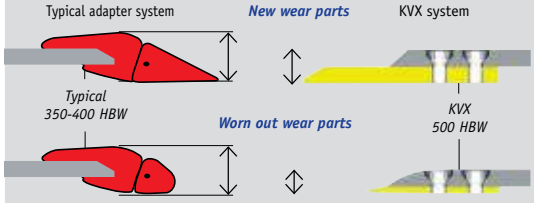
2

Reversible, self-sharpening teeth and wear plates *(certain applications)*

When the teeth and wear plates have worn out on one side, you just turn them around and start on life number two!

3

Slim, high penetration design



The KVX systems starts out slimmer than conventional GET systems and it's advantage improves even further as thecomponents wear. KVX gets sharper with wear!

4

A bolt-on system that really lasts

KVX conical-neck, high performance bolts are tightly torqued into a threaded plate. They have a grip like steel and withstand the toughest terrain.

5

Sagitta steel

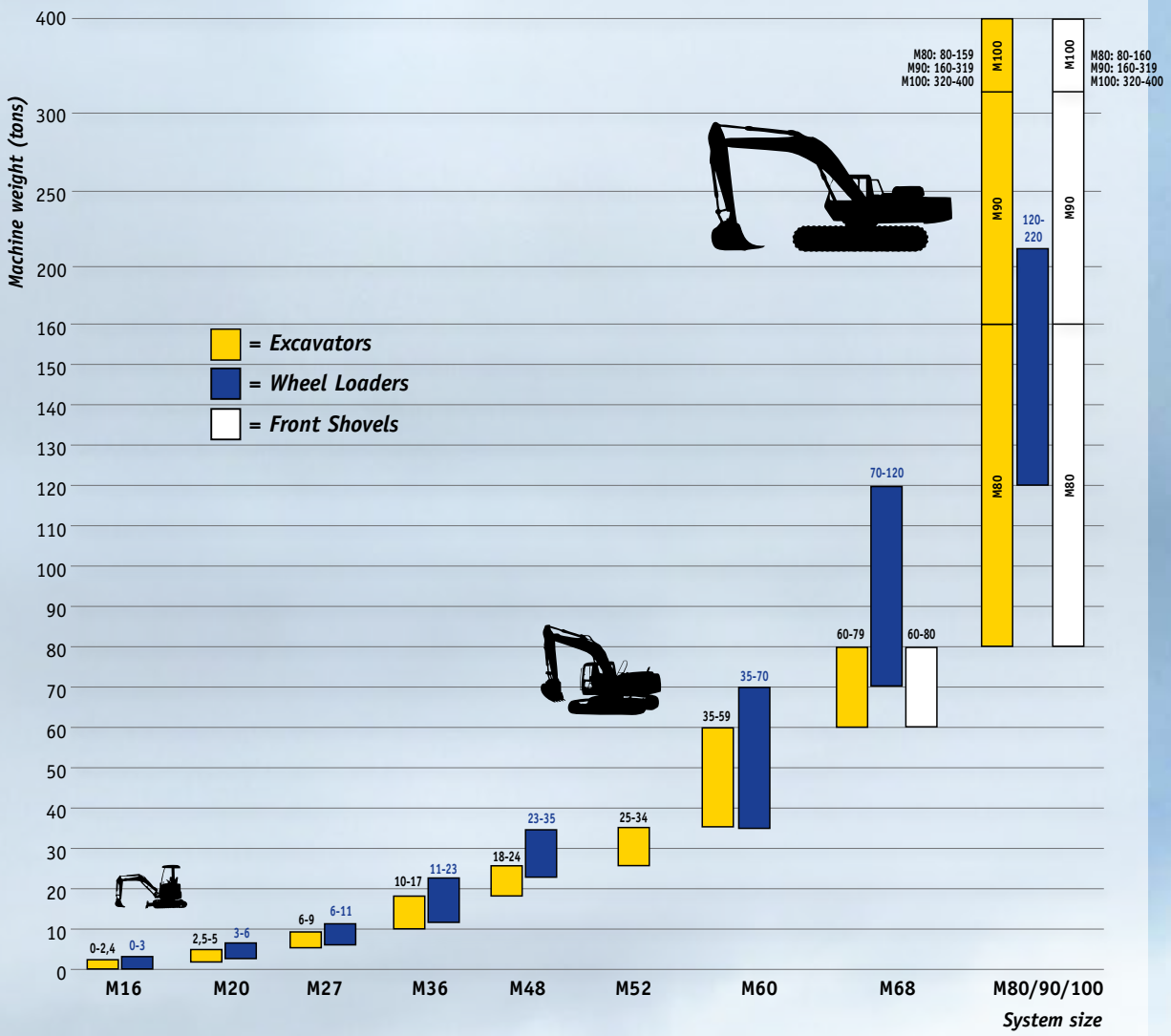
At KVX we harden our steel after processing it. With more than 130 years of experience we have achieved the optimal Combination of hardness and toughness. Greater durability and greater life!

6

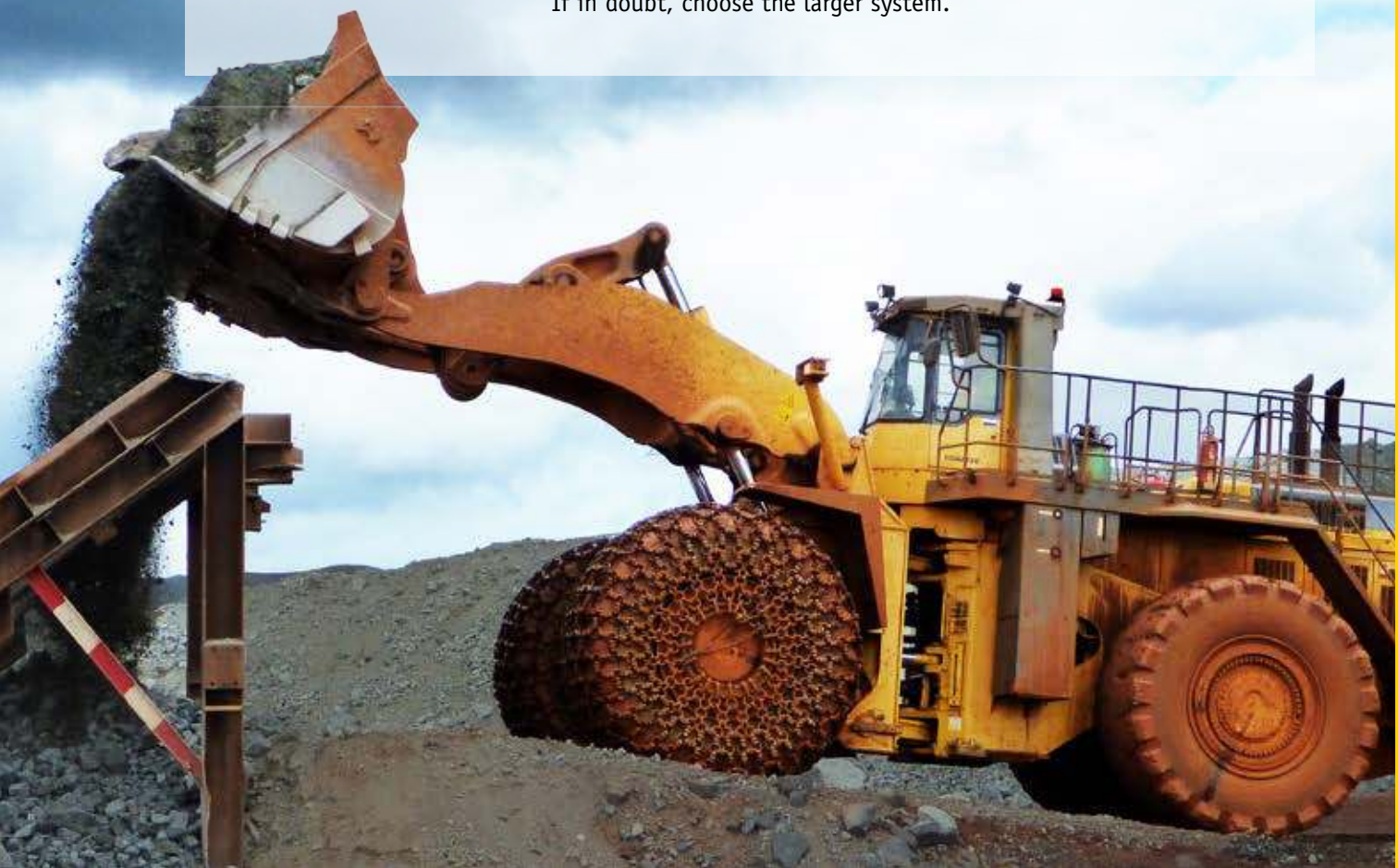
Unique Welding Free Solutions!

Adapter repairs and poor tooth retention can constitute a significant ongoing expense, not to mention the damage caused to adapters or fixed plant when a tooth is lost. The KVX system completely eliminates these adapters and welding, due to the bolt-on technology.

How to select the right KVX system

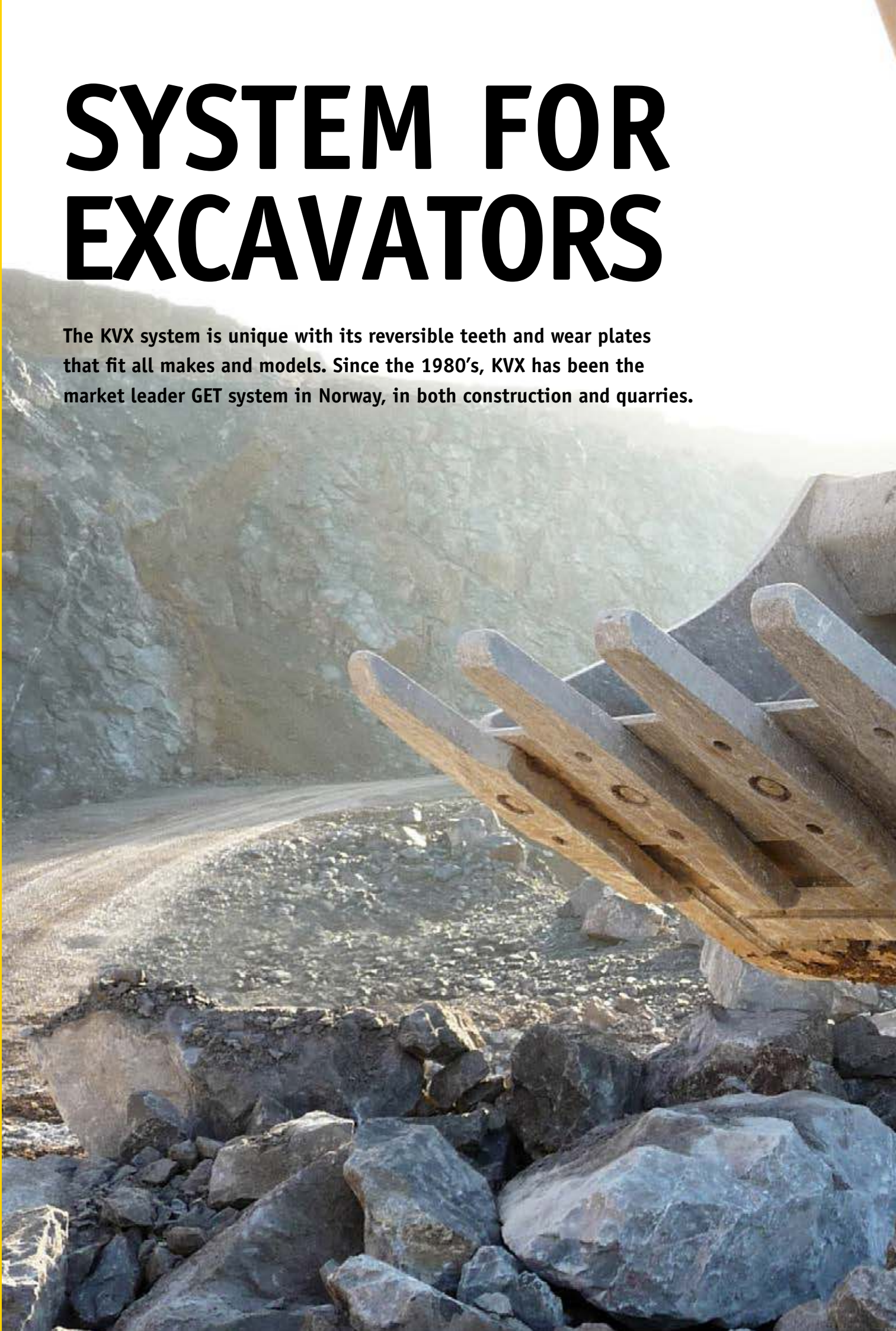


The graph indicates the recommended KVX system based on machine weight.
If in doubt, choose the larger system.



SYSTEM FOR EXCAVATORS

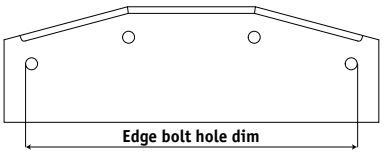
The KVX system is unique with its reversible teeth and wear plates that fit all makes and models. Since the 1980's, KVX has been the market leader GET system in Norway, in both construction and quarries.



System 2-bolt 0-2,4 ton **M16**

0–2,4 ton

Ton: 10 20 30 40 50 60 70 80 90 250 300 350 400



Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
	B	131900	Cutting Edge M16 Straight 2T	185 x 125 x 15	133	2,7
	C	165043	Cutting Edge M16 Straight 2T	230 x 125 x 15	178	3,2
	C	131901	Cutting Edge M16 Straight 3T	270 x 125 x 15	218	3,9
	A	131902	Cutting Edge M16 Straight 3T	300 x 125 x 15	248	4,4
	A	131903	Cutting Edge M16 Straight 3T	330 x 125 x 15	278	4,8
	C	131905	Cutting Edge M16 Straight 3T	400 x 125 x 15	348	5,8
	A	131906	Cutting Edge M16 Straight 3T	430 x 125 x 15	378	6,3
	A	131907	Cutting Edge M16 Straight 3T	460 x 125 x 15	408	6,7
	A	131913	Cutting Edge M16 Straight 4T	520 x 125 x 15	468	7,0
	A	131910	Cutting Edge M16 Straight 4T	570 x 125 x 15	518	8,4
	A	131912	Cutting Edge M16 Straight 4T	620 x 125 x 15	568	9,1
	C	131916	Cutting Edge M16 Straight 5T	690 x 130 x 15	638	10,0
	B	131918	Cutting Edge M16 Straight 5T	820 x 125 x 15	768	12,0
	B	131919	Cutting Edge M16 Straight 5T	920 x 125 x 15	868	13,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131201	Tooth M16 STD Rev	310 x 70 x 23		1,6
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035067	Bolt M16 w/nut	M16		0,2
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	131456	Planer Plate without hole ref. M16	480 x 125 x 15		7,0
	A	131455	Planer Plate without hole ref. M16	550 x 125 x 15		8,0
	A	131457	Planer Plate without hole ref. M16	720 x 125 x 15		10,0
Bracket for Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131228	Bracket for Planer Plate M16	225 x 70 x 23		1,2

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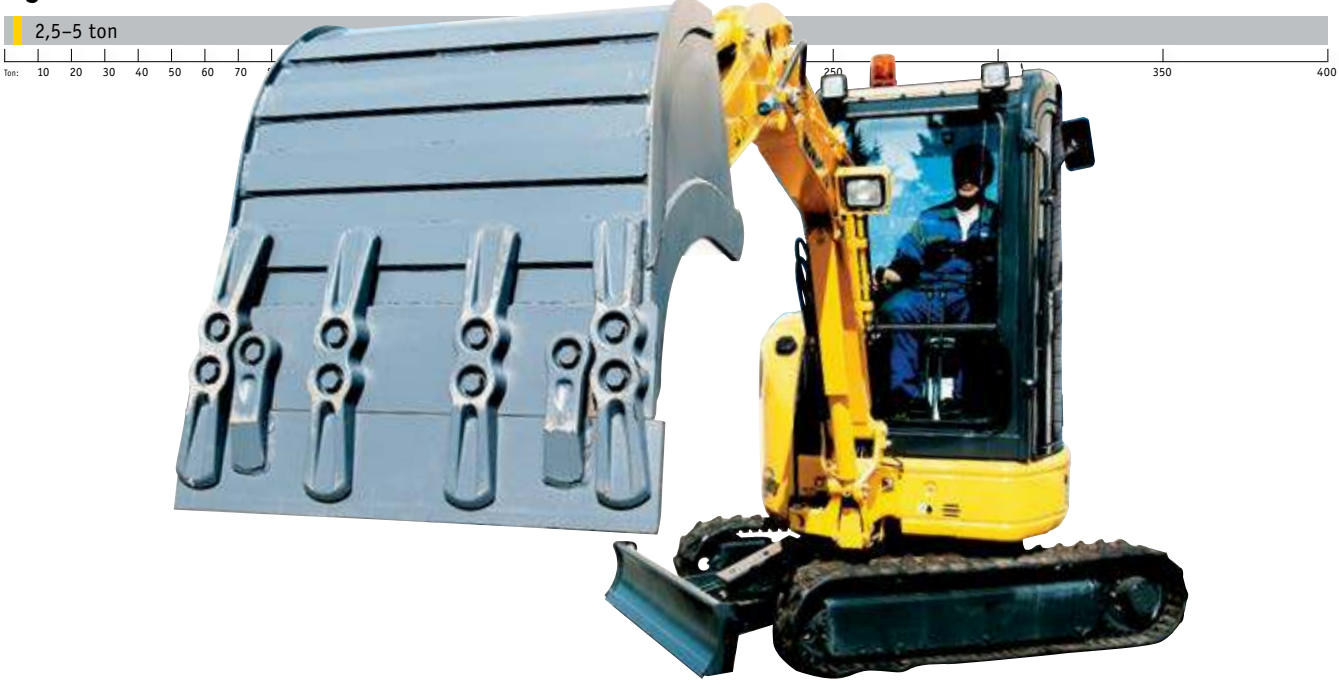
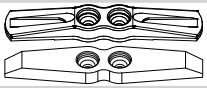
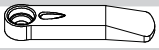
System 2-bolt 2,5-5 ton **M20**



Cutting Edge Straight	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
			Note: The cutting edges below are examples. More dimensions may be manufactured on request.			
	A	131380	Cutting Edge M20 Straight 3T	300 x 150 x 20	230	6,5
	A	138189	Cutting Edge M20 Straight 3T	350 x 153 x 20	280	8,4
	C	131381	Cutting Edge M20 Straight 3T	420 x 155 x 20	350	10,0
	A	131382	Cutting Edge M20 Straight 3T	520 x 150 x 20	450	12,4
	A	131383	Cutting Edge M20 Straight 4T	620 x 153 x 20	550	14,8
	A	131389	Cutting Edge M20 Straight 4T	660 x 155 x 20	590	15,8
	A	131384	Cutting Edge M20 Straight 4T	720 x 155 x 20	650	17,2
	A	131385	Cutting Edge M20 Straight 5T	820 x 150 x 20	750	19,6
	B	131387	Cutting Edge M20 Straight 5T	920 x 155 x 20	850	22,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131200	Tooth M20 STD Rev	400 x 76 x 30		3,9
	B	174765	Tooth M20 Rev	400 x 80 x 30		4,8
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035065	Bolt M20 x 45	M20 x 50		0,1
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(It is recommended one size up -> M27)	A	138059	Ripper Plate M20	153 x 80 x 20		2,0
	A	138060	Ripper Plate M27	200 x 105 x 25		4,0
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010670	Spanner M20	M20 x 320		1,2
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131458	Planer Plate without hole ref. M20	545 x 150 x 16		9,5
	A	131459	Planer Plate without hole ref.M20	850 x 150 x 16		15,0
Bracket for Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131229	Bracket for Planer Plate M20	203 x 66 x 30		1,8
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010680	Thread pin M20	120 x 25 x 25		0,2
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0

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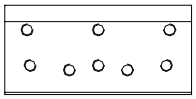
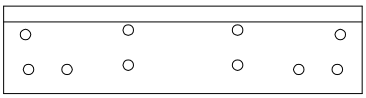
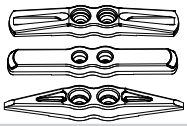
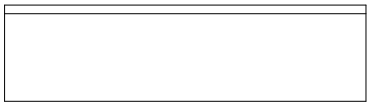
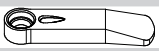
System 2-bolt 6-9 ton **M27**

6–9 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
			*Note: The cutting edges below are examples. More dimensions may be manufactured on request.*			
	A	131301	Cutting Edge M27 Straight 3T	420 x 200 x 25	347	15,0
	C	131308	Cutting Edge M27 Straight 4T	690 x 200 x 25	607	24,0
	A	131302	Cutting Edge M27 Straight 4T	720 x 200 x 30	647	31,0
	A	131306	Cutting Edge M27 Straight 4T	820 x 200 x 30	747	36,0
	A	131355	Cutting Edge M27 Straight 4T	870 x 200 x 25	797	31,0
	C	131303	Cutting Edge M27 Straight 5T	920 x 200 x 25	847	32,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131202	Tooth M27 STD Rev 600BR	500 x 95 x 40		7,9
	A	131220	Tooth M27 Stone Rev 600BR	500 x 95 x 40		10,0
	B	171897	Tooth M27 Tiger Rev 600BR	500 x 95 x 40		5,5
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035068	Bolt M27 x 58	M27 x 58		0,3
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(It is recommended one size up -> M36)	A	138060	Ripper Plate M27	200 x 105 x 25		4,0
	A	138061	Ripper Plate M36	350 x 135 x 35		12,5
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010636	Spanner M27	M27 x 405		2,6
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131453	Planer Plate without hole ref. M27	510 x 200 x 25		20,4
	B	131460	Planer Plate without hole ref. M27	650 x 200 x 25		26,5
	C	131467	Planer Plate without hole ref.M27	800 x 200 x 25		31,0
	A	131461	Planer Plate without hole ref. M27	920 x 200 x 25		34,0
Bracket for Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131230	Bracket for Planer Plate M27	320 x 80 x 35		4,1
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010681	Thread pin M27	140 x 30 x 30		0,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0

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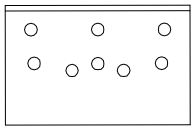
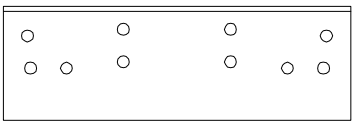
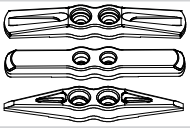
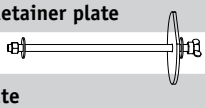
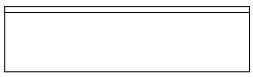
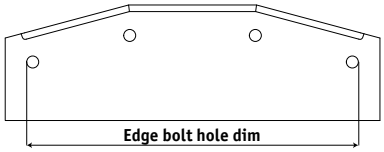
System 2-bolt 10-17 ton **M36**

10–17 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
			Note: The cutting edges below are examples. More dimensions may be manufactured on request.			
	C	340114	Cutting Edge M36 Straight 2T	350 x 350 x 35	266	32,0
	C	131321	Cutting Edge M36 Straight 3T	450 x 350 x 35	336	41,0
	A	131325	Cutting Edge M36 Straight 3T	540 x 350 x 35	426	49,0
	A	131314	Cutting Edge M36 Straight 3T	600 x 350 x 35	486	58,0
	C	131316	Cutting Edge M36 Straight 3T	660 x 350 x 35	546	61,0
	C	131328	Cutting Edge M36 Straight 4T	850 x 350 x 35	736	79,0
	A	131376	Cutting Edge M36 Straight 4T	900 x 350 x 35	786	84,0
	A	131310	Cutting Edge M36 Straight 4T	950 x 350 x 35	836	86,0
	A	131311	Cutting Edge M36 Straight 4T	1000 x 350 x 35	886	91,0
	A	131315	Cutting Edge M36 Straight 4T	1020 x 350 x 35	906	95,0
	A	176409	Cutting Edge M36 Straight 4T	1045 x 350 x 35	931	96,0
	A	131374	Cutting Edge M36 Straight 4T	1070 x 350 x 35	956	102,0
	C	131313	Cutting Edge M36 Straight 5T	1110 x 350 x 35	996	107,0
	C	340209	Cutting Edge M36 Straight 4T	1210 x 350 x 35	1 096	113,2
	B	176118	Cutting Edge M36 Straight 5T	1255 x 350 x 35	1 126	114,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131203	Tooth M36 STD Rev 600BR	620 x 123 x 54		19,0
	A	131221	Tooth M36 Stone Rev 600BR	620 x 123 x 54		23,0
	B	171951	Tooth M36 Tiger Rev 600BR	620 x 123 x 54		15,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035073H	Bolt M36 x 73 Hole	M36 x 73		0,5
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(anbefales en størrelse opp -> M48)	A	138061	Ripper Plate M36	350 x 135 x 35		12,5
	A	140552	Ripper Plate M48 HD	500 x 160 x 60		32,0
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010637	Spanner M36	M36 x 500		5,4
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131400	Spanner Stand M36/M60	1200 x 200 x 150		13,2
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131454	Planer Plate without hole ref. M36	1000 x 250 x 30		59,0
	A	131462	Planer Plate without hole ref. M36	1200 x 250 x 30		71,0
Bracket for Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131231	Bracket for Planer Plate M36	400 x 100 x 50		10,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010682	Thread pin M36	160 x 40 x 40		0,7
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0



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E2® WELDIN ADAPTER SYS

UNRIVALLED VERSATILITY

The new **replaceable tip tooth** system from Norway-based KVX offers the same **slim profile** as its well-known reversible adapterless tooth system.

M48: 18-24 tons
M52: 25-34 tons
M60: 35-59 tons
M68: 60-79 tons

As the E2® adapter is affixed on the underside of the lip, the system profile remains lower and slimmer than conventional systems, improving penetration and thereby overall productivity.

REPLACEABLE TOOTH TIPS

The replaceable tooth tips are designed for **optimal lifetime** and **consumable efficiency**. The **uniquely slim profile** simply allows us to put more **usable wear steel** in the tip. The design offers better penetration, better performance and less strain on the machine.

#01

THE PIN – EASY AND "HAMMER-LESS"

#02

The all-new E2® features arguably the most **highly regarded pinning system** on the market... the XS hammerless pin developed by Hensley. As such, tip replacement is performed **easily, quickly and safely** through the use of conventional socket spanner.

THE E2® ADAPTER IN 500 HBW OFFERS SUPERIOR LIFETIME

#03

The adapter is what makes the E2® system so **different** to conventional adapter system offerings. While most adapter systems are welded to the bucket lip, and conventional bolted adapters suffer a reputation for poor durability, the E2® adapter utilises the same **unsurpassed bolting technology** as KVX's renowned reversible adapterless teeth. The KVX bolting system has proven its very **high reliability and durability** over more than **30 years**, in extreme applications all over the world.

SAME LIP = A FLEXIBLE SYSTEM

#04

The KVX E2® is essentially **built on the same foundation** as the renowned classic KVX bolt-on adapterless tooth system. This means you can **change between** the classic 1-piece teeth and the new E2® system on the same lip, simply by unbolting one option and bolting on the other. This provides **great flexibility** as application needs change.

Read more at
kvx.no/e2

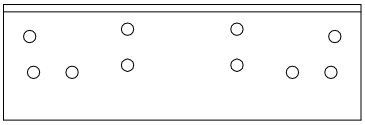
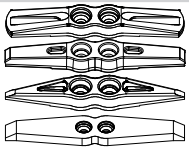
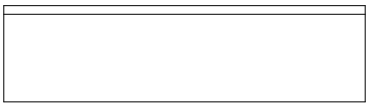
GFREE
STEM

System	Machine size	Dele nr.	Description	Weight KG
M48	18-24 tons	384800	KVX E2® Adapter M48 2bolt	30,4
		384840	KVX E2® Tooth M48	14,5
		384890	Lock pin XS25 M48 system E2®	0,6
M52	25-34 tons	385202	KVX E2® Adapter M52 2bolt for M48 tooth	37,0
		384840	KVX E2® Tooth M48	14,5
		384890	Lock pin XS25 M48 system E2®	0,6
M60	35-59 tons	386000	KVX E2® Adapter M60 2bolt	57,0
		386040	KVX E2® Tooth M60	25,4
		386090	Lock pin XS40 M60 system E2®	0,9
M68	60-79 tons	386800	KVX E2®Adapter M68 2bolt	86,0
		386840	KVX E2® Tooth M68	38,0
		386890	Lock pin XS85PX M68 system E2®	1,7

System 2-bolt 18-24 ton **M48**

18–24 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
		Note: The cutting edges below are examples. More dimensions may be manufactured on request.				
	A	131340	Cutting Edge M48 Straight 3T	660 x 400 x 45	528	91,0
	C	138168	Cutting Edge M48 Straight 3T	770 x 400 x 45	638	109,0
	C	131343	Cutting Edge M48 Straight 4T	950 x 400 x 45	828	133,0
	A	131341	Cutting Edge M48 Straight 4T	1040 x 400 x 45	908	144,0
	A	131332	Cutting Edge M48 Straight 4T	1100 x 400 x 45	958	145,0
	A	131330	Cutting Edge M48 Straight 4T	1190 x 400 x 45	1 058	160,0
	A	131333	Cutting Edge M48 Straight 4T	1240 x 400 x 45	1 108	172,0
	A	171272	Cutting Edge M48 Straight 4T	1280 x 400 x 45	1 148	171,0
	A	131334	Cutting Edge M48 Straight 5T	1280 x 400 x 45	1 148	170,0
	A	137127	Cutting Edge M48 Straight 4T	1320 x 400 x 45	1 188	186,0
	A	131331	Cutting Edge M48 Straight 5T	1360 x 400 x 45	1 228	188,0
	A	137145	Cutting Edge M48 Straight 5T	1420 x 400 x 45	1 268	186,0
	A	131335	Cutting Edge M48 Straight 5T	1450 x 400 x 45	1 318	195,0
	C	340154	Cutting Edge M48 Straight 4T	1460 x 400 x 45	1 308	199,0
	C	131342	Cutting Edge M48 Straight 5T	1520 x 400 x 45	1 388	214,0
E2® Adapter	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	384800	KVX E2® Adapter M48 2bolt for M48 tooth	455 x 200 x 70		30,0
E2® Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	384840	KVX E2® Tooth M48	290 x 130 x 100		14,0
E2® Lockpin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	384890	Lockpin XS25PC M48 system E2®	119 x 42 x 21		0,6
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131206	Tooth M48 STD Rev 600BR	800 x 150 x 67		34,0
	A	131222	Tooth M48 Stone Rev 600BR	830 x 150 x 72		41,0
	B	171952	Tooth M48 Tiger Rev 600BR	830 x 150 x 65		28,0
	A	171921	Tooth M48 Penetration Rev	850 x 150 x 70		53,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	138809H	Bolt M48 x 105 Hole	M48 x 105		1,6
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(It is recommended one size up -> M52)	A	140552	Ripper Plate M48 HD	500 x 160 x 60		32,0
	A	340255	Ripper Plate M52	600 x 220 x 70		62,0
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010638	Spanner M48	600 x 120 x 63		9,1
	A	010677	Spanner M48 + M52 Double socket	M48 x 20		12,4
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131400	Spanner Stand M36/M60	1200 x 200 x 150		13,2
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131463	Planer Plate without hole ref. M48/52	1130 x 300 x 35		93,0
	A	171634	Planer Plate without hole ref. M48/52	1300 x 400 x 35		140,0
	A	131464	Planer Plate without hole ref. M48/52	1400 x 300 x 35		114,0
	A	171635	Planer Plate without hole ref. M48/52	1400 x 400 x 35		152,0
Bracket for Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131232	Bracket for Planer Plate M48	490 x 120 x 60		18,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010683	Thread pin M48	200 x 60 x 60		1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0

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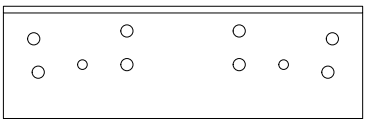
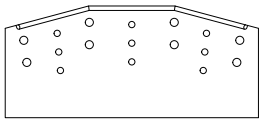
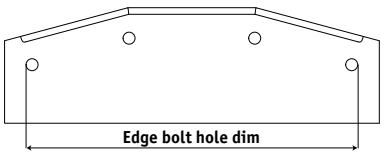
System 2-bolt 25-34 ton **M52**

25–34 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
			Note: The cutting edges below are examples. More dimensions may be manufactured on request.			
	C	340215	Cutting Edge M52 Straight 4T	1280 x 400 x 50	1 112	192,0
	A	340212	Cutting Edge M52 Straight 4T	1350 x 500 x 50	1 192	256,0
	C	340216	Cutting Edge M52 Straight 4T	1520 x 400 x 50	1 352	229,0
	C	340217	Cutting edge M52 Straight 5T	1520 x 400 x 50	1 352	229,0
Cutting Edge Spade	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
	C	340218	Cutting Edge M52 Delta 4T	1320 x 515/400 x 50	1 152	240,0
	C	340219	Cutting Edge M52 Delta 4T/3T	1350 x 520/400 x 50	1 182	244,0
	C	340220	Cutting Edge M52 Delta 5T	1610 x 510/400 x 50	1 442	295,0
E2® Adapter	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	385202	KVX E2® Adapter M52 for M48 Tooth	490 x 205 x 82		37,0
E2® Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	384840	KVX E2® Tooth M48	290 x 130 x 100		14,0
E2® Lockpin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	384890	Lockpin XS25PC M48 system E2®	119 x 42 x 21		0,6
Teeth Reversible	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	440029	Tooth M52 Penetration	1100 x 200 x 70		91,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035052H	Bolt M52 x 111 Hole	M52 x 111		1,8
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010652	Spanner M52	M52 x 600		10,0
	A	010677	Spanner M48 + M52 Double socket	M48 x 20		12,4
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131400	Spanner Stand M36/M60	1200 x M36/M60 x		13,2
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010685	Thread pin M52	210 x 50 x 50		1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0



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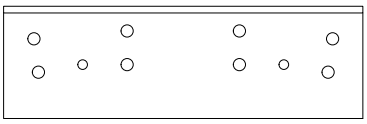
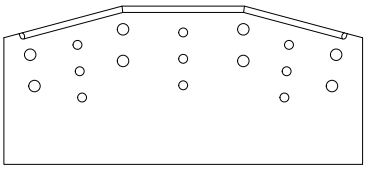
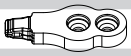
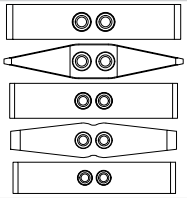
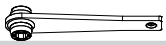
System 2-bolt 35-59 ton **M60**

35–59 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
		Note: The cutting edges below are examples. More dimensions may be manufactured on request.				
	C	136883	Cutting Edge M60 Straight 4T	1360 x 500 x 60	1 140,0	320,0
	C	340102	Cutting Edge M60 Straight 4T	1440 x 400 x 60	1 220,0	258,0
	C	131363	Cutting Edge M60 Straight 4T	1550 x 500 x 60	1 340,0	349,0
	C	131372	Cutting Edge M60 Straight 4T	1600 x 500 x 60	1 390,0	361,0
	A	171246	Cutting Edge M60 Straight 4T	1700 x 600 x 60	1 490,0	460,0
	C	340182	Cutting Edge M60 Straight 4T	1740 x 460 x 60	1 510,0	363,0
	A	136899	Cutting Edge M60 Straight 4T	1800 x 600 x 60	1 590,0	492,0
	C	340210	Cutting Edge M60 Straight 5T	1900 x 500 x 70	1 640,0	497,0
	C	340092	Cutting Edge M60 Straight 5T	2160 x 600 x 60	1 960,0	593,0
Cutting Edge Spade	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
	C	176391	Cutting Edge M60 Delta 4T	1420 x 690 / 482 x 50	1 210,0	338,0
	C	340159	Cutting Edge M60 Delta 4T/3T	1600 x 500/651 x 60	1 390,0	436,0
	A	171277	Cutting edge M60 Delta 4T	1700 x 650/500 x 60	1 490,0	480,0
	C	340009	Cutting Edge M60 Delta 4T/3T M48	1700 x 750/600 x 60	1 510,0	543,0
	C	340178	Cutting Edge M60 Delta 4T	1820 x 690/590 x 60	1 610,0	551,0
	C	165042	Cutting Edge M60 Delta 5T FL	2100 x 750/590 x 70	1 890,0	787,0
	C	340121	Cutting Edge M60 HD 5T/4T	2160 x 637 x 80	1 860,0	749,0
E2® Adapter	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	386000	KVX E2® Adapter M60 2bolt	630 x 260 x 80		57,0
E2® Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	386040	KVX E2® Tooth M60	357 x 156 x 120		26,0
E2® Lockpin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	386090	Lockpin XS40PC M60 system E2®	139 x 50 x 24		0,9
Teeth Reversible	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131226	Tooth M60 Stone Rev	1100 x 220 x 70		127,0
	A	440010	Tooth M60 Ripper Rev	1140 x 220 x 80		79,0
	C	131225	Tooth M60 Stone Rev	1200 x 250 x 70		155,0
	C	440004	Tooth M60 Penetration 600HB	1200 x 250/130 x 70		121,5
	A	171848	Tooth M60 Stone Rev	1300 x 250 x 80		193,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
035077H – 70mm tooth	A	035077H	Bolt M60 x 118 Hole	M60 x 118		2,9
035078H – 80mm tooth or more	A	035078H	Bolt M60 x 133 Hole	M60 x 133		3,1
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	M60 x 727		15,2
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20		18,0
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131233	Bracket for Planer Plate M60	620 x 140 x 70		38,0
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131400	Spanner Stand M36/M60	1200 x M36/M60 x		13,2
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010684	Thread pin M60	210 x 80 x 80		2,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0

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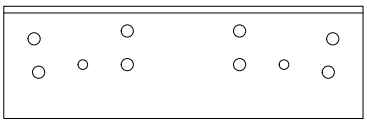
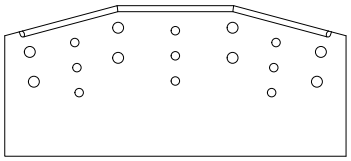
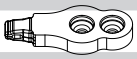
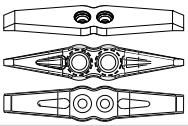
System 2-bolt 60-79 ton **M68**

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
			Note: The cutting edges below are examples. More dimensions may be manufactured on request.			
	C	165137	Cutting Edge M68 Straight 4T	1550 x 400 x 70	1 338,0	319,0
	C	176359	Cutting Edge M68 Straight 4T	1850 x 600 x 70	1 638,0	580,0
	C	176218	Cutting Edge M68 Straight 4T	2100 x 450 x 70	1 888,0	487,0
	C	165032	Cutting Edge M68 Straight 4T	2260 x 500 x 70	2 048,0	586,0
	C	176148	Cutting Edge M68 Straight 5T	1580 x 600 x 70	1 348,0	478,0
	C	176096	Cutting Edge M68 Straight 5T	2100 x 600 x 70	1 888,0	654,0
	C	176223	Cutting Edge M68 Straight 5T	2200 x 600 x 70	1 988,0	690,0
	C	176329	Cutting Edge M68 Straight 5T	2260 x 600 x 70	2 048,0	708,0
	C	176302	Cutting Edge M68 Straight 5T	2400 x 600 x 70	2 188,0	756,0
	C	176447	Cutting Edge M68 Straight 5T	2500 x 600 x 70	2 288,0	782,0
Cutting Edge Spade	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
	C	176275	Cutting Edge M68 Delta 4T	2210 x 740/550 x 70	1 998,0	790,0
	C	176159	Cutting Edge M68 Delta 5T	2100 x 750/590 x 70	1 618,0	800,0
	C	340222	Cutting Edge M68 Delta 5T	2150 x 740/600 x 70	1 938,0	808,0
	C	176318	Cutting Edge M68 Delta 5T	2500 x 650/500 x 70	2 268,0	835,0
E2® Adapter	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	386801	E2 Adapter Machined M68	714 x 300 x 90		86,0
E2® Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	386840	KVX E2® Tooth M68	428 x 180 x 145		38,0
E2® Lockpin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	386890	Lockpin XS85PX M68 system E2®	178 x 65 x 31		1,7
Teeth Reversible	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	171827	Tooth M68 Penetration Rev	1400 x 250 x 80		156,0
	B	171961	Tooth M68 Tiger Rev 600BR	1275 x 250 x 80		91,0
	B	171963	Tooth M68 Penetration Rev 600BR	1275 x 250 x 80		108,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	135092H	Bolt M68 x 128 Hole.	M68 x 128		3,7
	A	035092H	Bolt M68 x 147 Hole	M68 x 147		4,3
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160035	Spanner M68 Single socket	745 x 140 x 25		17,0
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131414	Spanner Stand M68/M80	1510 x 200 x 150		14,7
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010686	Thread pin M68	250 x 70 x 70		4,8
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

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KVX 1-bolt Tooth System

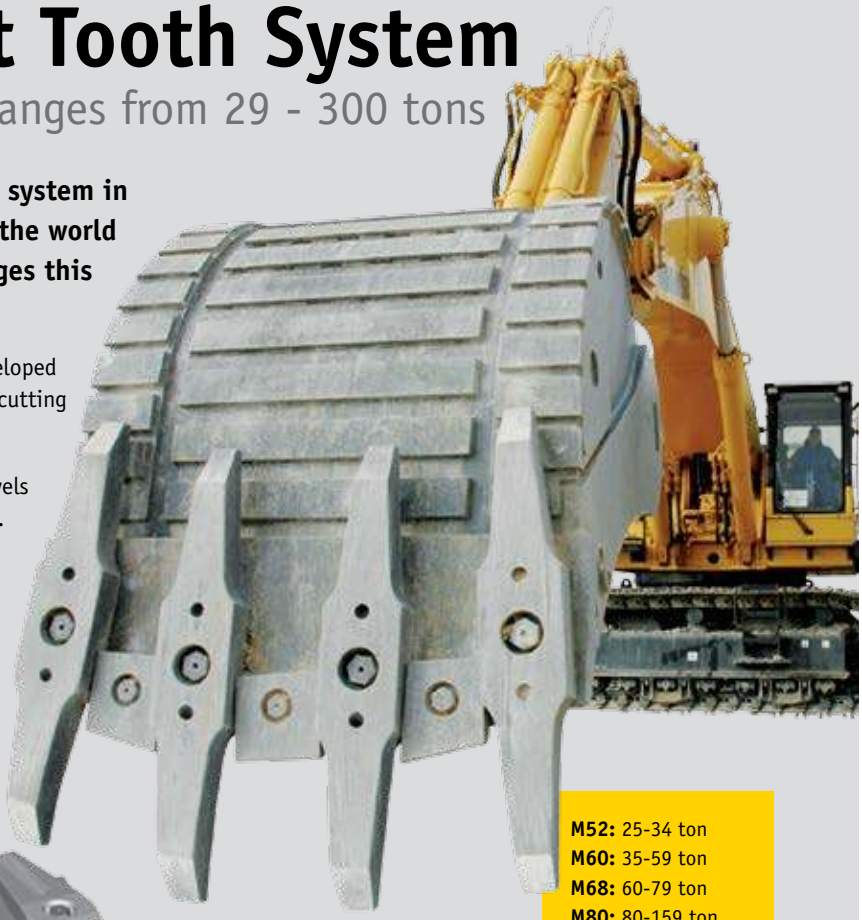
The 1-bolt system ranges from 29 - 300 tons

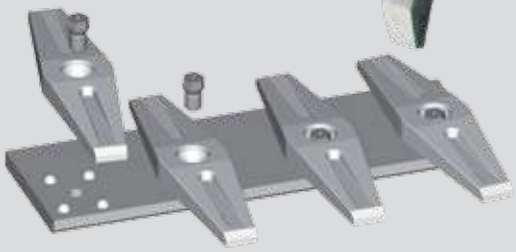
Since the launch of the 1-bolt system in 2004, KVX customers all over the world have experienced the advantages this simple but strong system has.

One bolt is all it takes. This newly developed system uses just one bolt to fit to the cutting edge, and fits all brands.

Simply place the teeth on the four dowels in the cutting edge and insert the bolt.

A quick and simple attachment that saves you both time and money.





M52: 25-34 ton
M60: 35-59 ton
M68: 60-79 ton
M80: 80-159 ton
M90: 160-319 ton
M100: 320-400 ton

Turn the teeth in minutes!

With the KVX Spanner Stand and Tooth Turn Shaft you turn the teeth in just minutes.

WATCH MOVIE AT KVX.NO:
Turning of 1-bolt teeth

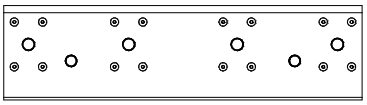
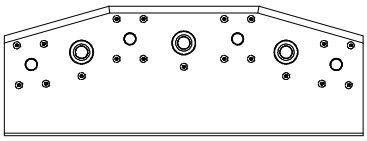
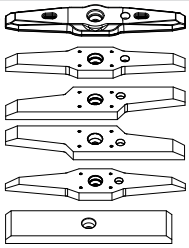
Using the Spanner Stand, you easily loosen the bolts. With the Tooth Turn Shaft installed in the bolt hole, you just pull the tooth out from the cutting edge, rotate it on the shaft and set it back onto the dowels. The tooth is then fixed, and you can remove the shaft and insert and torque the KVX bolt again. Do not forget to apply KVX recommended grease on both threads and cones.

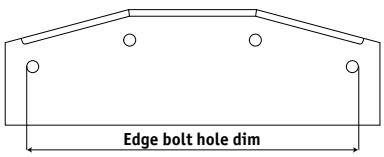
The Tooth Turn Shafts are available in system sizes of M52, M60, M68 and M80, *see page 67 in this catalogue.*

System 1-bolt 25-34 ton **M52**

25–34 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
	C	161158	Cutting Edge M52 1bolt Straight 4T,	1280 x 400 x 50	1 122	191,0
	C	161155	Cutting Edge M52 1bolt Straight 4T,	1320 x 400 x 50	1 162	197,0
	A	161122	Cutting Edge M52 1bolt Straight 4T,	1350 x 500 x 50	1 192	258,0
	C	340072	Cutting Edge M52 1bolt Straight 4T,	1460 x 500 x 50	1 302	278,0
	C	161157	Cutting Edge M52 1bolt Straight 4T,	1520 x 400 x 50	1 362	227,0
	C	161156	Cutting Edge M52 1bolt Straight 5T,	1520 x 400 x 50	1 362	226,0
	C	161120	Cutting Edge M52 1bolt Straight 5T,	1610 x 400 x 50	1 452	242,0
	C	340190	Cutting edge M52 1bolt Straight 5T	1770 x 350 x 60	1 592	276,0
Cutting Edge Spade	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
	C	340013	Cutting Edge M52 1bolt Delta 4T	1320 x 509/400 x 50	1 162	238,0
	C	340043	Cutting Edge M52 1bolt Delta 4T/3T M36,	1350 x 590/500 x 50	1 192	290,0
	C	340005	Cutting Edge M52 1bolt Delta 5T,	1610 x 530/400 x 50	1 452	301,0
	C	340070	Cutting Edge M52 1bolt Delta 5T,	1860 x 400/300 x 60	1 642	328,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
NEW MODEL! 	A	440085	Tooth M52 1bolt Penetration 600HBW	1050 x 200 x 71		74,0
	C	162090	Tooth M52 1bolt Penetration	1060 x 200 x 70		71,0
	C	162092	Tooth M52 1bolt Penetration R Cor	1060 x 210 x 70		84,0
	C	162093	Tooth M52 1bolt Penetration L Cor	1060 x 210 x 70		84,0
	A	162094	Tooth M52 1bolt Ripper	1150 x 210 x 70		72,0
	A	162095	Tooth M52 1bolt Stone HD	1050 x 220 x 70		122,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035052H	Bolt M52 x 111 Hole	M52 x 111		1,8
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(It is recommended one size up -> M60)	B	140571	Ripper Plate M52 1bolt	600 x 250 x 70		70,0
	A	140566	Ripper Plate M60 1bolt	600 x 250 x 70		69,0
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
Included in Cutting Edge	A	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35		0,2
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010652	Spanner M52	600 x 120 x 75		10,0
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131400	Spanner Stand M36/M60	1200 x 200 x 150		13,2
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Tooth Turn Shaft	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160083	Tooth Turn Shaft M52	350 x		2,5
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010685	Thread pin M52	210 x 50 x 50		1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0



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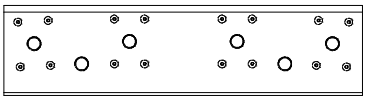
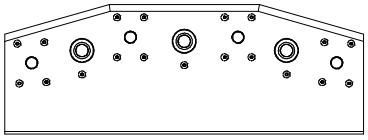
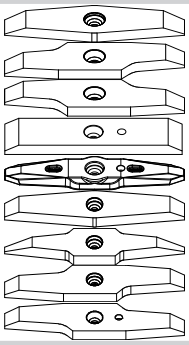
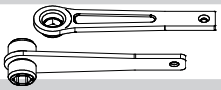
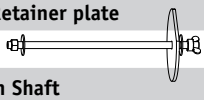
System 1-bolt 35-59 ton **M60**

35–59 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
	C	340011	Cutting Edge M60 1bolt Straight 4T	1450 x 400 x 60	1 240	259,0
	C	176333	Cutting Edge M60 1bolt Straight 4T,	1550 x 500 x 60	1 340	355,0
	C	161146	Cutting Edge M60 1bolt Straight 4T,	1600 x 400 x 60	1 390	287,0
	C	161105	Cutting Edge M60 1bolt Straight 4T,	1640 x 500 x 60	1 390	375,0
	C	161028	Cutting Edge M60 1bolt Straight 4T,	1700 x 500 x 60	1 490	386,5
	C	161084	Cutting Edge M60 1bolt Straight 4T,	1750 x 500 x 60	1 540	397,0
	C	161029	Cutting Edge M60 1bolt Straight 5T	1800 x 600 x 60	1 610	494,0
	C	161069	Cutting Edge M60 1bolt Straight 4T,	1870 x 500 x 60	1 660	424,0
	C	161011	Cutting Edge M60 1bolt Straight 5T,	1910 x 600 x 60	1 680	526,0
Cutting Edge Spade	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
	C	161760	Cutting Edge M60 1bolt Delta 4T,	1620 x 630 x 60	1 390	439,0
	C	161112	Cutting Edge M60 1bolt Delta 4T,	1700 x 700/590 x 60	1 490	522,0
	C	340066	Cutting Edge M60 1bolt Delta 5T,	1700 x 700/590 x 60	1 490	520,0
	C	340091	Cutting Edge M60 1bolt Delta 4T/3T M48 ,	1700 x 600/468 x 60	1 510	431,0
	C	161172	Cutting Edge M60 1bolt Delta 4T,	1800 x 630/470 x 60	1 590	478,0
	C	161003	Cutting Edge M60 1bolt Delta 5T,	1900 x 575/460 x 60	1 710	480,0
	C	161237	Cutting Edge M60 1bolt Delta 4T/3T M36,	1950 x 575/460 x 60	1 718	485,0
	C	176361	Cutting Edge M60 1bolt Delta 5T,	2050 x 575/460 x 60	1 860	513,0
	C	161732	Cutting Edge M60 1bolt Delta 5T	2200 x 600 x 60	1 990	576,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	174681	Tooth M60 1bolt Penetration	1000 x 245/125 x 80		104,0
	C	162063	Tooth M60 1bolt Penetration R Cor	1000 x 250 x 80		108,0
	C	162064	Tooth M60 1bolt Penetration L Cor	1000 x 250 x 80		108,0
	C	162009	Tooth M60 1bolt Stone 600HB	1100 x 250 x 80		158,4
NEW MODEL!	A	440086	Tooth M60 1bolt Penetration 600HBW	1200 x 250 x 87		124,0
	C	162018	Tooth M60 1bolt Penetration	1300 x 245/120 x 90		155,0
	A	174710	Tooth M60 1bolt Ripper	1300 x 250/40 x 90		119,0
	C	162061	Tooth M60 1bolt Penetration R Cor	1300 x 265 x 90		168,0
	C	162062	Tooth M60 1bolt Penetration L Cor	1300 x 265 x 90		168,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035078H	Bolt M60 x 133 Hole	M60 x 133		3,1
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(It is recommended one size up -> M68)	A	140566	Ripper Plate M60 1bolt	600 x 250 x 70		69,0
	A	140567	Ripper Plate M68 1bolt	733 x 250 x 80		91,0
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
Included in Cutting Edge	A	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35		0,2
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	720 x 150 x 60		15,2
	A	010676	Spanner M60 Double socket (tooth >80mm)	715 x 140 x 160		18,0
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131400	Spanner Stand M36/M60	1200 x 200 x 150		13,2
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Tooth Turn Shaft	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160084	Tooth Turn Shaft M60	390 x 63 x		4,9
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010684	Thread pin M60	210 x 80 x 80		2,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0

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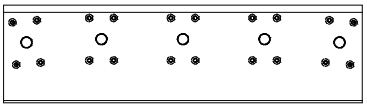
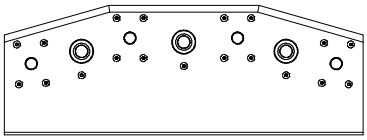
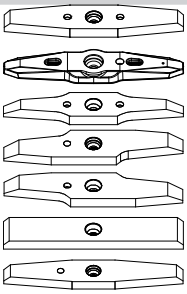
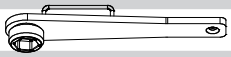
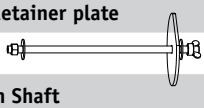
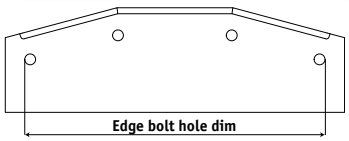
System 1-bolt 60-79 ton **M68**

60–79 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Cutting Edge Straight	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
	C	161113	Cutting Edge M68 1bolt Straight 5T,	1960 x 600 x 70	1 728	618,0
	C	161085	Cutting Edge M68 1bolt Straight 5T,	2160 x 600 x 70	1 958	689,0
	C	161111	Cutting Edge M68 1bolt Straight 5T,	2200 x 600 x 70	1 988	693,0
	C	161009	Cutting Edge M68 1bolt Straight 5T,	2350 x 600 x 70	2 138	759,0
	C	161218	Cutting Edge M68 1bolt Straight 8T,	2800 x 500 x 80	2 530	846,4
Cutting Edge Spade	***)**	**Art.no.**	**Description**	**Dimension**	**Edge bolt hole dim**	**Weight**
	C	161033	Cutting Edge M68 1bolt Delta 4T,	1950 x 750/590 x 70	1 738	731,0
	C	340198	Cutting Edge M68 1bolt Delta 4T,	2000 x 750/590 x 70	#N/A!	753,0
	C	161012	Cutting Edge M68 1bolt Delta 5T,	2110 x 750/590 x 70	1 898	811,0
	C	161061	Cutting Edge M68 1bolt Delta 4T,	2200 x 750/590 x 70	1 908	829,0
	C	161725	Cutting Edge M68 1bolt Delta 5T,	2260 x 720/600 x 80	2 048	951,0
	C	340051	Cutting Edge M68 1bolt Delta 4T/3T M48,	2310 x 750/590 x 70	2 108	878,0
	C	161086	Cutting Edge M68 1bolt Delta 5T,	2450 x 750/600 x 70	2 218	940,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	162025	Tooth M68 1bolt Penetration	1345 x 250 x 90		186,0
NEW MODEL!	C	440116	Tooth M68 1bolt Penetration 600HBW	1200 x 250 x 87		124,0
	A	162007	Tooth M68 1bolt Ripper	1345 x 250 x 90		145,0
	A	162069	Tooth M68 1bolt Penetration R Cor	1345 x 270 x 90		176,0
	A	162070	Tooth M68 1bolt Penetration L Cor	1345 x 270 x 90		176,0
	A	162027	Tooth M68 1bolt Stone	1380 x 250 x 90		232,0
	C	162043	Tooth M68 1bolt Penetration	1500 x 250 x 90		206,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	035092H	Bolt M68 x 147 Hole	M68 x 147		4,3
	A	135092H	Bolt M68 x 128 Hole.	M68 x 128		3,7
Ripper Plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
(It is recommended one size up -> M80)	A	140567	Ripper Plate M68 1bolt	733 x 250 x 80		91,0
	A	140568	Ripper Plate M80 1bolt	816 x 300 x 100		139,0
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
Included in Cutting Edge	A	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45		0,4
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160035	Spanner M68 Single socket	745 x 140 x 25		17,0
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131414	Spanner Stand M68/M80	1510 x 200 x 150		14,7
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Tooth Turn Shaft	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160085	Tooth Turn Shaft M68	390 x 71 x		7,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010686	Thread pin M68	250 x 70 x 70		4,8
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0



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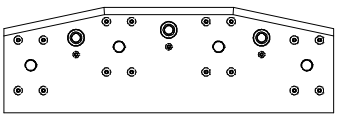
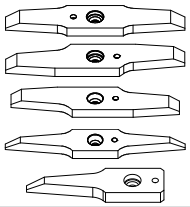
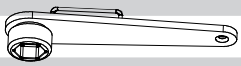
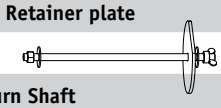
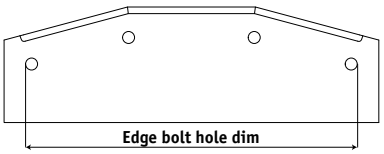
System 1-bolt 80-159 ton **M80**

80–159 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

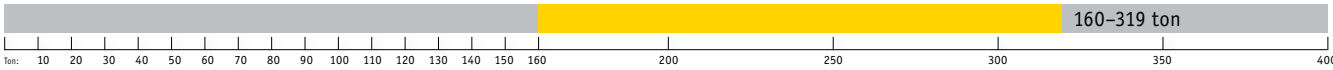
Cutting Edge Spade	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
	C	161078	Cutting Edge M80 1bolt Delta 4T/3W M60 FL,	2150 x 600/500 x 80	1 850	711,0
	C	161090	Cutting Edge M80 1bolt Delta 4T/3W M48,	2150 x 600/500 x 80	1 850	716,0
	C	161573	Cutting Edge M80 1bolt Delta 4T/3W FL,	2180 x 778/590 x 80	1 940	927,0
	C	161062	Cutting Edge M80 1bolt Delta 4T,	2200 x 750/590 x 100	1 870	1 173,0
	C	161027	Cutting Edge M80 1bolt Delta 4T/3W M60,	2350 x 600/500 x 80	2 050	784,0
	C	161144	Cutting Edge M80 1bolt Delta 4T,	2400 x 640/490 x 80	2 125	867,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	162081	Tooth M80 1bolt Penetration	1650 x 300 x 100		285,0
	A	162085	Tooth M80 1bolt Penetration R Cor	1650 x 330 x 100		306,0
	A	162086	Tooth M80 1bolt Penetration L Cor	1650 x 330 x 100		306,0
	C	162099	Tooth M80 1bolt Ripper	1850 x 300 x 120		278,0
	C	440012	Tooth M80 1bolt Ripper SE	1200 x 300 x 120		208,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160030H	Bolt M80 x 175 Hole	M80 x 175		8,0
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
Included in Cutting Edge	A	160115	Ball Dowel Ø60 M80 1bolt	60 x 60 x 60		1,0
Included in Cutting Edge	A	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35		0,2
Spanner	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	138936	Spanner M80 Single socket	785 x 170 x 177		21,9
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	131414	Spanner Stand M68/M80	1510 x 200 x 150		14,7
Spanner Retainer plate	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125		1,5
Tooth Turn Shaft	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160086	Tooth Turn Shaft M80	400 x 100 x 100		8,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010687	Thread pin M80	290 x 100 x 100		4,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0



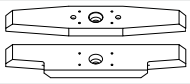
A: In stock | B: In stock, outgoing product | C: Delivery on request

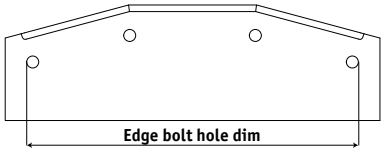
Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

System 1-bolt 160-319 ton **M90**



PC1250 with KVX M80 Penetration teeth and Wear Plates.

Cutting Edge Spade	*)	Art.no.	Description	Dimension	Edge bolt hole dim	Weight
	C	161087	Cutting Edge M90 1bolt Delta 5T FL	2900 x 790 x 100	2 590	1 624,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	C	162036	Tooth M90 1bolt Center Penetration Rev	2000 x 346/200 x 120		528,0
	C	162037	Tooth M90 1bolt Penetration Cor Rev	2000 x 400/225 x 120		584,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	160031H	Bolt M90 x 213 Hole	M90 x 213		11,3
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
Included in Cutting Edg	A	160114	Ball Dowel Ø80 M90 1bolt	80 x 80 x 80		2,1
Grease	***)**	**Art.no.**	**Description**	**Dimension**		**Weight**
	A	010890	Grease 50 gr.			0,1
	A	010891	Grease 1 kg			1,0



A: In stock | B: In stock, outgoing product | C: Delivery on request

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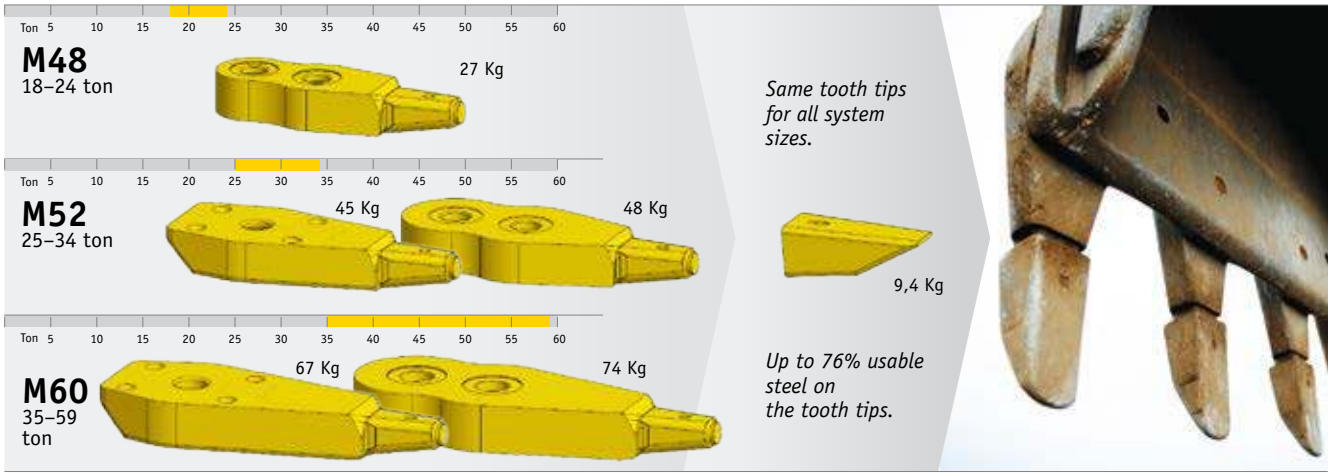
System Intruder



Adapters	*)	Art.no.	Description	Dimension	Weight
	A	380008	Intruder Adapter M48 2bolt	483 x 160 x 80	28,0
	A	162952	Intruder Adapter M52 1bolt C	550 x 220 x 80	45,0
	A	162953	Intruder Adapter M52 1bolt R Cor	550 x 215 x 80	48,7
	A	162954	Intruder Adapter M52 1bolt L Cor	550 x 215 x 80	48,7
	C	380005	Intruder Adapter M52 2bolt	580 x 220 x 80	48,0
	A	162960	Intruder Adapter M60 1bolt C	651 x 250 x 90	70,0
	A	162961	Intruder Adapter M60 1bolt R Cor	651 x 90	75,0
	A	162962	Intruder Adapter M60 1bolt L Cor	651 x 90	75,0
	C	380006	Intruder Adapter M60 2bolt	715 x 250 x 90	74,0
Intruder Tooth Tip	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035052H	Bolt M52 x 111 Hole	M52 x 111	1,8
	A	035078H	Bolt M60 x 133 Hole	M60 x 133	3,1
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35	0,2
	A	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010652	Spanner M52	M52 x 600	10,0
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
Spanner Stand	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	131400	Spanner Stand M36/M60	1200 x M36/M60 x	13,2
	A	131414	Spanner Stand M68/M80	1510 x	14,7
Spanner Retainer Plate	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125	1,5
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010685	Thread pin M52	210 x 50 x 50	1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0
Intruder Tools	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	A	160099	Pin	80 x 17 x 17	0,1
	A	167549	Intruder Tool Drift	220 x 30 x 30	0,4

A: På lager | B: På lager, utgående vare | C: Leveringstid på forespørsel

Bestilling: order@kvx.no eller tlf.: 51 78 50 80, faks: 51 78 50 81

Intruder KIT

M48 HD

18–24 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

	PC	Art.no.	Description	Dimension	Weight
KITM484THD-2	4	380008	Intruder Adapter M48 2bolt	483 x 160 x 80	28,0
	4	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	4	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010638	Spanner M48	600 x 120 x 63	9,1
	8	138809H	Bolt M48 x 105 Hole	M48 x 105	1,6
	2	010890	Grease 50 gr.		0,1

	PC	Art.no.	Description	Dimension	Weight
KITM485THD-2	5	380008	Intruder Adapter M48 2bolt	483 x 160 x 80	28,0
	5	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	5	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010638	Spanner M48	600 x 120 x 63	9,1
	10	138809H	Bolt M48 x 105 Hole	M48 x 105	1,6
	2	010890	Grease 50 gr.		0,1

	PC	Art.no.	Description	Dimension	Weight
KITM486THD-2	6	380008	Intruder Adapter M48 2bolt	483 x 160 x 80	28,0
	6	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	6	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010638	Spanner M48	600 x 120 x 63	9,1
	12	138809H	Bolt M48 x 105 Hole	M48 x 105	1,6
	3	010890	Grease 50 gr.		0,1

A: På lager | B: På lager, utgående vare | C: Leveringstid på forespørsel

Bestilling: order@kvx.no eller tlf.: 51 78 50 80, faks: 51 78 50 81

Intruder KIT

M52 HD

25–34 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

	PC	Art.no.	Description	Dimension	Weight
KITM524THD	2	162952	Intruder Adapter M52 1bolt C	550 x 220 x 80	45,0
	1	162953	Intruder Adapter M52 1bolt R Cor	550 x 215 x 80	48,7
	1	162954	Intruder Adapter M52 1bolt L Cor	550 x 215 x 80	48,7
	4	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	4	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010652	Spanner M52	M52 x 600	10,0
	4	035052H	Bolt M52 x 111 Hole	M52 x 111	1,8
	1	010890	Grease 50 gr.		0,1

	PC	Art.no.	Description	Dimension	Weight
KITM525THD	3	162952	Intruder Adapter M52 1bolt C	550 x 220 x 80	45,0
	1	162953	Intruder Adapter M52 1bolt R Cor	550 x 215 x 80	48,7
	1	162954	Intruder Adapter M52 1bolt L Cor	550 x 215 x 80	48,7
	5	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	5	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010652	Spanner M52	M52 x 600	10,0
	5	035052H	Bolt M52 x 111 Hole	M52 x 111	1,8
	1	010890	Grease 50 gr.		0,1

	PC	Art.no.	Description	Dimension	Weight
KITM526THD	4	162952	Intruder Adapter M52 1bolt C	550 x 220 x 80	45,0
	1	162953	Intruder Adapter M52 1bolt R Cor	550 x 215 x 80	48,7
	1	162954	Intruder Adapter M52 1bolt L Cor	550 x 215 x 80	48,7
	6	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	6	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010652	Spanner M52	M52 x 600	10,0
	6	035052H	Bolt M52 x 111 Hole	M52 x 111	1,8
	1	010890	Grease 50 gr.		0,1

Intruder KIT 2-bolt

M52 HD

25–34 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Contents of KIT is similar to 1-bolt system.

KITM524THD-2

KITM525THD-2

KITM526THD-2

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

Intruder KIT

M60 HD

35–59 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

	PC	Art.no.	Description	Dimension	Weight
KITM604THD	2	162960	Intruder Adapter M60 1bolt C	651 x 250 x 90	70,0
	1	162961	Intruder Adapter M60 1bolt R Cor	651 x 90	75,0
	1	162962	Intruder Adapter M60 1bolt L Cor	651 x 90	75,0
	4	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	4	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
	4	035078H	Bolt M60 x 133 Hole	M60 x 133	3,1
	1	010890	Grease 50 gr.		0,1

	PC	Art.no.	Description	Dimension	Weight
KITM605THD	3	162960	Intruder Adapter M60 1bolt C	651 x 250 x 90	70,0
	1	162961	Intruder Adapter M60 1bolt R Cor	651 x 90	75,0
	1	162962	Intruder Adapter M60 1bolt L Cor	651 x 90	75,0
	5	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	5	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
	5	035078H	Bolt M60 x 133 Hole	M60 x 133	3,1
	1	010890	Grease 50 gr.		0,1

	PC	Art.no.	Description	Dimension	Weight
KITM606THD	4	162960	Intruder Adapter M60 1bolt C	651 x 250 x 90	70,0
	1	162961	Intruder Adapter M60 1bolt R Cor	651 x 90	75,0
	1	162962	Intruder Adapter M60 1bolt L Cor	651 x 90	75,0
	6	162912	Intruder Tooth Tip M48/M52/M60 1 bolt HD	265 x 108	9,4
	1	167599	Intruder Tool Tip releaser	475 x 275 x 40	15,1
	6	160099	Pin	80 x 17 x 17	0,1
	1	167549	Intruder Tool Drift	220 x 30 x 30	0,4
	1	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
	6	035078H	Bolt M60 x 133 Hole	M60 x 133	3,1
	1	010890	Grease 50 gr.		0,1

Intruder KIT 2-bolt

M60 HD

35–59 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300 350 400

Contents of KIT is similar to 1-bolt system.

KITM604THD

KITM605THD

KITM606THD

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

RIPPER

20–170 tons

NOTE!

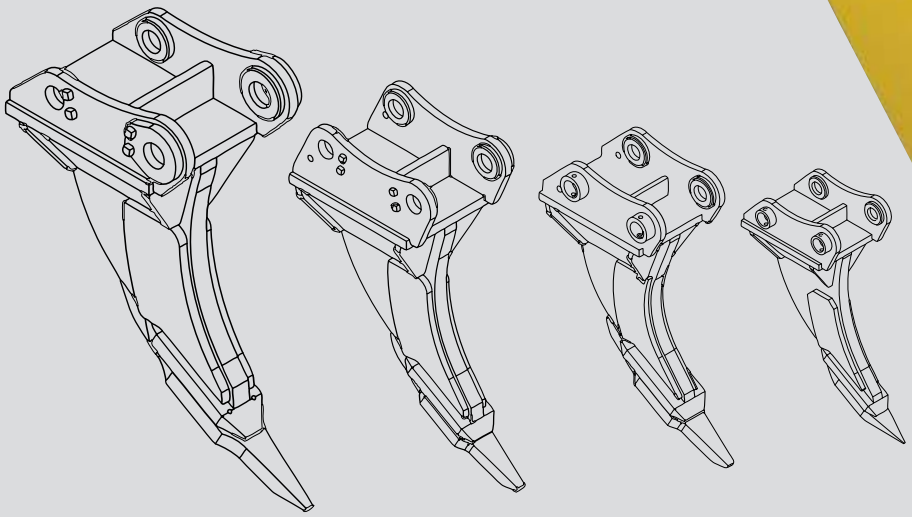
The teeth are made for ripping by the hydraulic system, not bended between stones.

WATCH MOVIE AT KVX.NO:
KVX 1-bolt Ripper

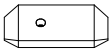
NOTE! Rippers often demand a bigger system size for the tooth/adapter plate than on an ordinary bucket. Please check www.kvx.no for details.

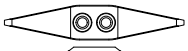
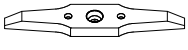
KVX delivers Ripper teeth, Ripper plates and complete Rippers for rock, concrete, hot and cold slag, etc.

Please contact KVX for further requests (see back of this catalogue).



Ripper

Ripper plate	*)	Art.no.	Description	Dimension	Weight
	A	138059	Ripper Plate M20	153 x 80 x 20	2,0
	A	138060	Ripper Plate M27	200 x 105 x 25	4,0
	A	138061	Ripper Plate M36	350 x 135 x 35	12,5
	A	140552	Ripper Plate M48 HD	500 x 160 x 60	32,0
For all ripper we recommend to og one size up	A	340255	Ripper Plate M52	600 x 220 x 70	62,0
Example: Normally machine has M48 system,	A	170401	Ripper Plate M60	600 x 250 x 70	69,0
use M52 System for ripper. 	A	140566	Ripper Plate M60 1bolt	600 x 250 x 70	69,0
	A	340259	Ripper Plate M68	730 x 250 x 80	90,0
	A	140567	Ripper Plate M68 1bolt	733 x 250 x 80	91,0
	A	140568	Ripper Plate M80 1bolt	816 x 300 x 100	139,0

Ripper teeth	*)	Art.no.	Description	Dimension	Weight
	B	171951	Tooth M36 Tiger Rev 600BR	620 x 123 x 54	15,0
	B	171952	Tooth M48 Tiger Rev 600BR	830 x 150 x 65	28,0
	C	440029	Tooth M52 Penetration	1100 x 200 x 70	91,0
	A	440010	Tooth M60 Ripper Rev	1140 x 220 x 80	79,0
	A	174710	Tooth M60 1bolt Ripper	1300 x 250/40 x 90	119,0
	B	174582	Tooth M68 Tiger Rev	1275 x 250 x 100	123,0
	A	162007	Tooth M68 1bolt Ripper	1345 x 250 x 90	145,0
	C	162099	Tooth M80 1bolt Ripper	1850 x 300 x 120	278,0
	C	440018	Tooth M80 1bolt Ripper Extreme SE	1100 x 340 x 120	237,0

Bolts	*)	Art.no.	Description	Dimension	Weight
	A	035068	Bolt M27 x 58	M27 x 58	0,3
	A	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
	A	138809H	Bolt M48 x 105 Hole	M48 x 105	1,6
	A	035078H	Bolt M60 x 133 Hole	M60 x 133	3,1
	A	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
	B	160030	Bolt M80 x 175	M80 x 175	7,9

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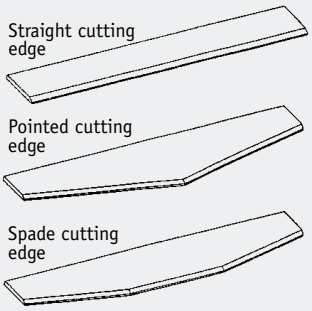
WHEEL LOADER

SYSTEMS

KVX supplies a Combination of cutting edges, wear plates and teeth to suit any size of loader up to 250 tons. Four different layouts are available designed to cover all applications including the most severe conditions. Standard components are used whenever possible, with tailor-made solutions developed for special requirements.

Cutting Edge

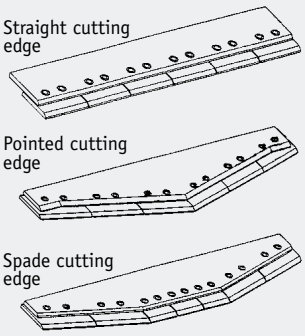
1 Without holes



Low weight and good penetration.

2 w/Wear Plates

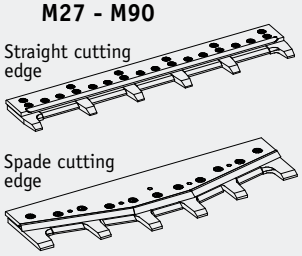
M27 - M60



Cutting edges for sand, gravel and tunnel loading.

3 w/Teeth & Segments[1)]

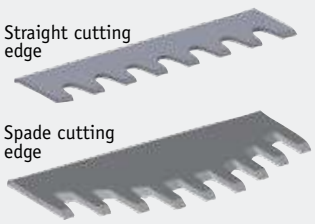
M27 - M90



Combination of teeth and wear plates for especially abrasive conditions.

1) Can also be equipped with wear plates only. The new 1-bolt tooth system is available for larger wheel loader sizes (M60+)

4 Serrated Lip



KVX system for Limestone and other softer materials like coal and bauxite

KVX Sagitta® steel

World-renowned Sagitta steel offers an unrivalled balance of "hardness" and "toughness". Sagitta's complex blend of alloying elements, and a specialised hardening process, result in consistent material characteristics throughout – through-hardened to the core!

KVX products are rolled, forged or cast. The technology is chosen to optimize performance of each individual product.

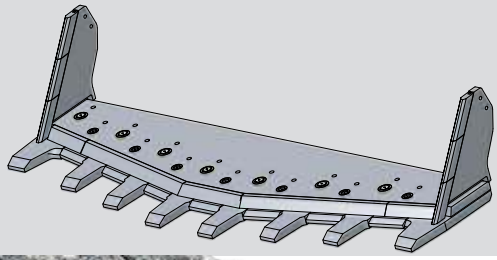
Advantages are:

1. Significantly Longer Bucket Lip Life (~500HB vs 250~400HB for most conventional Lips)
2. Stronger Bucket (toughness & tensile strength)
3. Far Less Maintenance & Downtime
4. Little Or No Lip Protection Required
5. Almost Zero Welding Maintenance
6. Truly "Smooth Floor" Design Inside & out (Optimal Penetration & Productivity)

With over 135 years experience in material engineering we have developed alloys with optimal combination of hardness and toghness. KVX steel lasts longer.

KVX for Mining

A Heavy Duty solution for Mining applications. KVX delivers both GET and complete buckets.

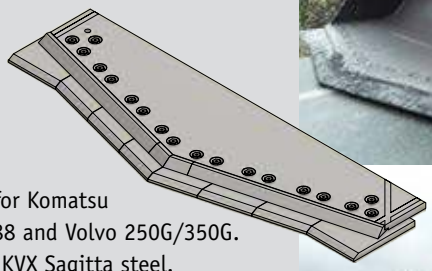


The Sagitta 500 Brinell through hardened lip allows fitment of numerous GET options and improves bucket strength and wear life.

SEE PAGE 54–55

KVX for Tunneling

KVX has developed a complete new system with wearplates for Tunneling with superior strength and lifetime.



The new system is developed especially for Komatsu WA470, WA500, WA600, Cat 972, 980, 988 and Volvo 250G/350G. The system contains wearplates made of KVX Sagitta steel.

In addition to this, the corner plates are reinforced with 3 bolts in a triangle for a maximum strength. Due to the design changes, the lifetime is extended as the wearplates can be made both longer and wider.

SEE PAGE 52–53

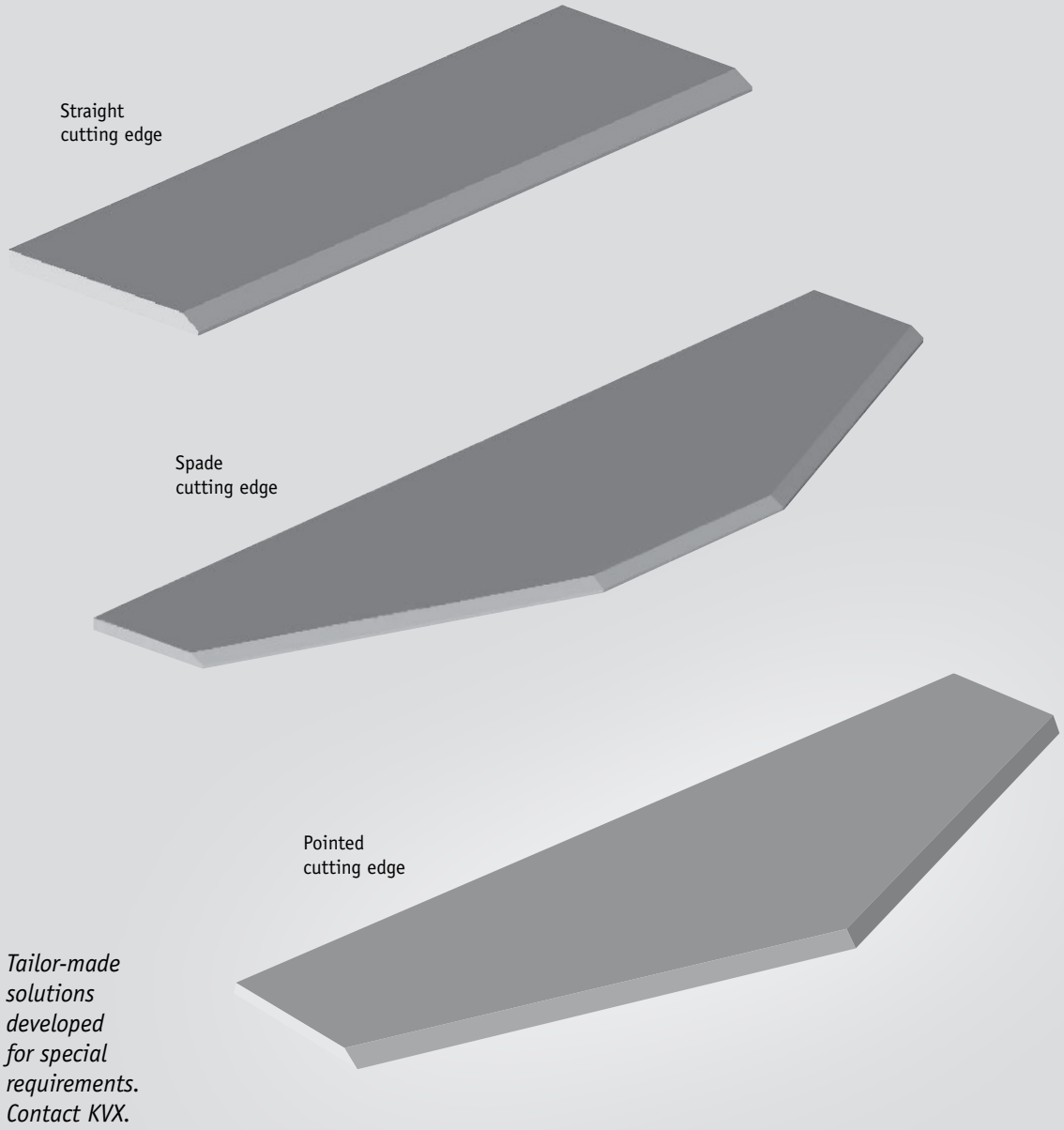
KVX for Limestone

KVX has special hardened teeth systems customized for loading limestone.

Materials like limestone tend to create surface cracks caused by hydrogen embrittlement. KVX heat treatment of parts for conditions like Limestone reduces development of hydrogen cracks. Over 130 years of experience in steel hardening has taught us the lessons... and how to cope with them.

SEE PAGE 44–48

Cutting Edge without holes Wheel Loader



Tailor-made solutions developed for special requirements. Contact KVX.

Sagitta

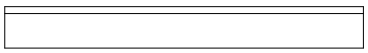
World-renowned Sagitta steel offers an unrivalled balance of "hardness" and "toughness". Sagitta's complex blend of alloying elements, and a specialised hardening process, result in consistent material characteristics throughout – through-hardened to the core!

KVX products are rolled, forged or cast. The technology is chosen to optimize performance of each individual product.

Advantages are:

1. Significantly Longer Bucket Lip Life (~500HB vs 250~400HB for most conventional Lips)
2. Stronger Bucket (toughness & tensile strength)
3. Far Less Maintenance & Downtime
4. Little Or No Lip Protection Required
5. Almost Zero Welding Maintenance
6. Truly "Smooth Floor" Design Inside & out (Optimal Penetration & Productivity)

Cutting Edge without holes Wheel Loader

Cutting Edges Straight	*)	Art.no.	Description	Dimension	Weight
	A	131601	Cutting Edge Straight without holes	3000 x 150 x 16	54,0
	C	131602	Cutting Edge Straight without holes	6050 x 150 x 16	108,0
	A	131605	Cutting Edge Straight without holes	3000 x 150 x 20	66,5
	C	131607	Cutting Edge Straight without holes	3000 x 100 x 12	26,6
	A	131610	Cutting Edge Straight without holes	3000 x 200 x 20	91,0
	A	131611	Cutting Edge Straight without holes	6100 x 200 x 20	180,0
	A	131619	Cutting Edge Straight without holes	2600 x 200 x 25	98,0
	A	131621	Cutting Edge Straight without holes	3000 x 200 x 25	113,0
	A	131622	Cutting Edge Straight without holes	6100 x 200 x 25	228,0
	A	131627	Cutting Edge Straight without holes	3000 x 250 x 25	143,0
	A	131628	Cutting Edge Straight without holes	6100 x 250 x 25	286,0
	A	131631	Cutting Edge Straight without holes	3000 x 250 x 30	170,0
	A	131632	Cutting Edge Straight without holes	6100 x 250 x 30	342,0
	A	131638	Cutting Edge Straight without holes	3000 x 300 x 30	204,0
	A	131639	Cutting Edge Straight without holes	3500 x 300 x 35	279,0
	C	131640	Cutting Edge Straight without holes	3200 x 300 x 40	301,0
	C	131641	Cutting Edge Straight without holes	3650 x 300 x 40	325,0
	C	131650	Cutting Edge Straight without holes	3600 x 300 x 50	423,0
	C	131678	Cutting Edge Straight without holes	3000 x 400 x 40	370,0
	C	174002	Cutting Edge Straight without holes	3000 x 300 x 40	275,0

Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

Suitable for:

6–11 ton | M27

- WA 150-250
- Volvo L50-L70
- Hitachi ZW150
- Cat 916-924
- JCB 415-416

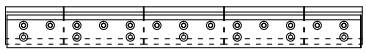
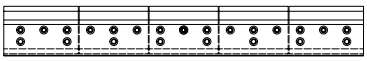
... *and similar*

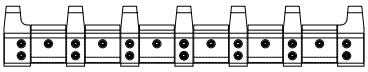
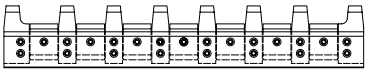
System

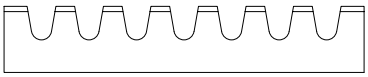
1 Cutting Edges without holes	*)	Art.no.	Description	Dimension	Weight
	A	131631	Cutting Edge Straight without holes	3000 x 250 x 30	170,0
	A	131632	Cutting Edge Straight without holes	6100 x 250 x 30	342,0
	A	131638	Cutting Edge Straight without holes	3000 x 300 x 30	204,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

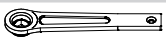
2 Cutting Edges with segments	PC	Art.no.	Description	Dimension	Weight
	1	176686	Cutting Edge M27 Straight 7T/6W	2400 x 200 x 30	101,0
	3	178700	Wear Plate M27 C Rev	538 x 254 x 25	24,0
	2	178701	Wear Plate M27 L/R Rev	393 x 254 x 25	17,0
	10	035068	Bolt M27 x 58	M27 x 58	0,3
WA150 class	10	132008	Rubber Plug M27 (Type A), HEX bolt head	55 x 55 x 8	0,0
	10	160048	Rubber Plug (Type B), solid blank M27	56 x 56 x 8	0,0
	1	176737	Cutting Edge M27 Straight 8T/7W	2500 x 250 x 30	133,0
	3	178532	Wear Plate M27 3h Rev	481 x 300 x 25	25,0
	2	178533	Wear Plate M27 Cor 3h Rev	518 x 300 x 25	27,0
	10	035068	Bolt M27 x 58	M27 x 58	0,3
WA200/250 class	10	132008	Rubber Plug M27 (Type A), HEX bolt head	55 x 55 x 8	0,0
	13	160048	Rubber Plug (Type B), solid blank M27	56 x 56 x 8	0,0

3 Cutting Edges with Teeth & segments	PC	Art.no.	Description	Dimension	Weight
	1	176686	Cutting Edge M27 Straight 7T/6W	2400 x 200 x 30	101,0
	5	174675	Tooth M27 Penetration	400 x 120 x 35	12,0
	1	174676	Tooth M27 Penetration R Cor	400 x 176 x 35	16,0
	1	174677	Tooth M27 Penetration L Cor	400 x 176 x 35	16,0
	6	178686	Wear Plate M27 1h Rev	232 x 250 x 35	15,0
WA150 class	20	035068	Bolt M27 x 58	M27 x 58	0,3
	20	132008	Rubber Plug M27 (Type A), HEX bolt head	55 x 55 x 8	0,0
	1	176737	Cutting Edge M27 Straight 8T/7W	2500 x 250 x 30	133,0
	6	174675	Tooth M27 Penetration	400 x 120 x 35	12,0
	1	174676	Tooth M27 Penetration R Cor	400 x 176 x 35	16,0
	1	174677	Tooth M27 Penetration L Cor	400 x 176 x 35	16,0
	7	178687	Wear Plate M27 1h Rev	194 x 250 x 35	12,0
WA200/250 class	23	035068	Bolt M27 x 58	M27 x 58	0,3
	23	132008	Rubber Plug M27 (Type A), HEX bolt head	55 x 55 x 8	0,0

4 Cutting Edges Serrated	*)	Art.no.	Description	Dimension	Weight
	C	174310	Cutting Edge Serrated Straight 8T	3000 x 550 x 40	400,0
	C	174272	Cutting Edge Serrated Straight 8T	3000 x 650 x 40	503,0
	C	174148	Cutting Edge Serrated Straight 8T	3200 x 750 x 40	620,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	*)	Art.no.	Description	Dimension	Weight
	A	035068	Bolt M27 x 58	M27 x 58	0,3
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010636	Spanner M27	M27 x 405	2,6
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010681	Thread pin M27	140 x 30 x 30	0,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

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Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

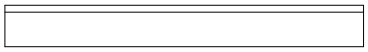
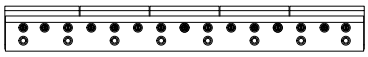
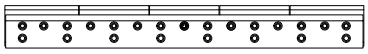
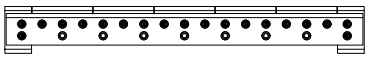
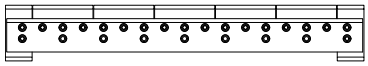
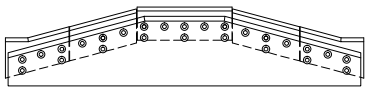
Suitable for:

11–23 ton | M36

- WA 320-470 (480)
- Volvo L90-L110
- Hitachi ZW250
- Cat 930-972
- Doosan DL 300
- JCB 456

... *and similar*

System

1 Cutting Edges without holes	*)	Art.no.	Description	Dimension	Weight
	A	131639	Cutting Edge Straight without holes	3500 x 300 x 35	279,0
	C	131641	Cutting Edge Straight without holes	3650 x 300 x 40	325,0
	C	131678	Cutting Edge Straight without holes	3000 x 400 x 40	370,0
2 Cutting Edges with segments	**PC**	**Art.no.**	**Description**	**Dimension**	**Weight**
	1	176688	Cutting Edge M36 Straight 8T/7W	2750 x 270 x 35	179,0
	3	178704	Wear Plate M36 C Rev	531 x 330 x 30	38,0
	2	178705	Wear Plate M36 L/R Rev	571 x 330 x 30	41,0
	10	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
WA320 class	10	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
Assy 300611	13	160050	Rubber Plug (Type B), solid blank M36	68 x 68 x 14	0,0
	1	176689	Cutting Edge M36 Straight 8T/7W	2900 x 270 x 35	189,0
	3	178706	Wear Plate M36 C 3h Rev	564 x 330 x 30	40,0
	2	178707	Wear Plate M36 L/R 3h Rev	598 x 330 x 30	42,0
	10	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
WA380 class	10	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
Assy 300612	13	160050	Rubber Plug (Type B), solid blank M36	68 x 68 x 14	0,0
	1	176717	Cutting Edge M36 Straight 9T/8W	3050 x 270 x 35	198,0
	2	178695	Wear Plate M36 Cor 2h	228 x 400 x 35	23,0
	5	172993	Wear Plate M36 3h Rev	517 x 300 x 35	40,0
	14	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
WA430 class	14	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
Assy 300176	12	160050	Rubber Plug (Type B), solid blank M36	68 x 68 x 14	0,0
	1	176537	Cutting Edge M36 Straight 9T/8W	3200 x 300 x 40	275,0
	2	172950	Wear Plate M36 Cor 2h Rev	240 x 500 x 35	31,0
	5	172951	Wear Plate M36 3h Rev	541 x 400 x 35	56,0
	14	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
WA470, 480 class	14	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
Assy 300156	12	160050	Rubber Plug (Type B), solid blank M36	68 x 68 x 14	0,0
	1	171184	Cutting Edge M36 Delta 9T/8W	3200 x 630 x 40	475,0
	1	172973	Wear Plate M36 5h	860 x 300 x 40	76,0
	1	172974	Wear Plate M36 R 3h	629 x 300 x 40	55,0
	1	172975	Wear Plate M36 L 3h	629 x 300 x 40	55,0
	1	172976	Wear Plate M36 R Cor 3h	678 x 300 x 40	54,0
	1	172977	Wear Plate M36 L Cor 3h	678 x 300 x 40	54,0
	17	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
WA470, 480 class	17	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
Assy 300155	9	160050	Rubber Plug (Type B), solid blank M36	68 x 68 x 14	0,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

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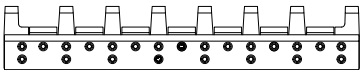
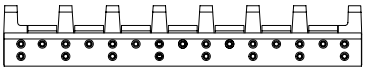
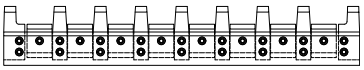
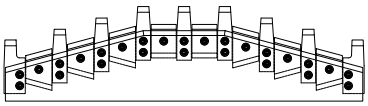
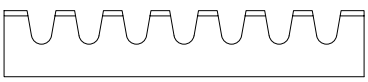
3 Cutting Edges with Teeth & segments	PC	Art.no.	Description	Dimension	Weight
	1	176688	Cutting Edge M36 Straight 8T/7W	2750 x 270 x 35	179,0
	6	171967	Tooth M36 Penetration	480 x 130 x 45	18,0
	1	174590	Tooth M36 R Cor	480 x 190 x 45	26,0
	1	174591	Tooth M36 L Cor	480 x 190 x 45	26,0
	7	172945	Wear Plate M36 1h Rev	212 x 300 x 45	21,0
WA320 class	23	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300610	23	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
	1	176689	Cutting Edge M36 Straight 8T/7W	2900 x 270 x 35	189,0
	6	171967	Tooth M36 Penetration	480 x 130 x 45	18,0
	1	174590	Tooth M36 R Cor	480 x 190 x 45	26,0
	1	174591	Tooth M36 L Cor	480 x 190 x 45	26,0
	7	178606	Wearplate M36 1h Rev	234 x 300 x 45	22,0
WA380 class	23	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300614	23	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
	1	176717	Cutting Edge M36 Straight 9T/8W	3050 x 270 x 35	198,0
	7	171967	Tooth M36 Penetration	480 x 130 x 45	18,0
	1	174590	Tooth M36 R Cor	480 x 190 x 45	26,0
	1	174591	Tooth M36 L Cor	480 x 190 x 45	26,0
	6	172945	Wear Plate M36 1h Rev	212 x 300 x 45	21,0
	2	420086	Wearplate M36 1h Rev	224 x 300 x 45	22,0
WA430 class	26	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300177	26	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
	1	176537	Cutting Edge M36 Straight 9T/8W	3200 x 300 x 40	275,0
	7	171967	Tooth M36 Penetration	480 x 130 x 45	18,0
	1	174590	Tooth M36 R Cor	480 x 190 x 45	26,0
	1	174591	Tooth M36 L Cor	480 x 190 x 45	26,0
	8	172350	Wear Plate M36 C 1h Rev	225 x 300 x 45	22,0
WA470, 480 class	26	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300409	26	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
	1	171184	Cutting Edge M36 Delta 9T/8W	3200 x 630 x 40	475,0
	7	171967	Tooth M36 Penetration	480 x 130 x 45	18,0
	1	174590	Tooth M36 R Cor	480 x 190 x 45	26,0
	1	174591	Tooth M36 L Cor	480 x 190 x 45	26,0
	2	172350	Wear Plate M36 C 1h Rev	225 x 300 x 45	22,0
	6	172919	Wear Plate M36 L/R 1h Rev	234 x 373 x 45	23,0
WA470, 480 class	26	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300613	26	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
4 Cutting Edges Serrated	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	174310	Cutting Edge Serrated Straight 8T	3000 x 550 x 40	400,0
	C	174272	Cutting Edge Serrated Straight 8T	3000 x 650 x 40	503,0
	C	174148	Cutting Edge Serrated Straight 8T	3200 x 750 x 40	620,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010637	Spanner M36	M36 x 500	5,4
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010682	Thread pin M36	160 x 40 x 40	0,7
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

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Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

Suitable for:

23–35 ton | M48

- WA 480-500
- Volvo L 120–L 180
- Hitachi ZW 310–ZW 330
- Cat 980
- Doosan DL 500

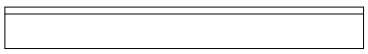
... *and similar*

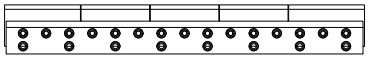
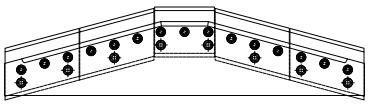
3

2

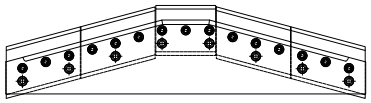
4

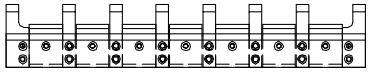
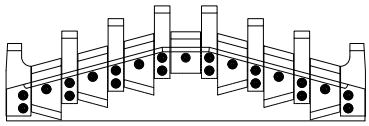
System

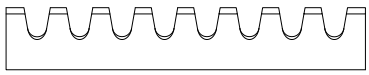
1 Cutting Edges without holes	*)	Art.no.	Description	Dimension	Weight
	C	131650	Cutting Edge Straight without holes	3600 x 300 x 50	423,0
	C	174224	Cutting Edge Pointed without holes	3300 x 650 x 50	594,0
	C	174324	Cutting Edge Delta without holes	3650 x 700/350 x 50	795,0

2 Cutting Edges with segments	Ant	Art.no.	Description	Dimension	Weight
	1	171124	Cutting Edge M48 Straight 8T/7W	3450 x 317 x 50	375,0
	3	172874	Wear Plate M48 C 3h	663 x 400 x 45	89,0
WA500 class Assy 300110	1	172875	Wear Plate M48 R 3h	733 x 400 x 45	98,0
Also awailable with wear plate 70mm	1	172876	Wear Plate M48 L 3h	733 x 400 x 45	98,0
see Assy 300263	15	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
	15	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	8	160051	Rubber Plug (Type B), solid blank M48	88 x 88 x 12	0,1
	1	139427	Cutting Edge M48 Delta 8T/7W	3460 x 710/308 x 50	677,0
	2	178714	Wear Plate M48 R 3h Rev	738 x 480 x 40	106,0
	2	178715	Wear Plate M48 L 3h Rev	738 x 480 x 40	106,0
WA500 class Assy 300108	1	178716	Wear Plate M48 3h Rev	575 x 480 x 40	82,0
Also awailable with wear plate 70mm	15	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
see Assy 300107	15	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	8	160051	Rubber Plug (Type B), solid blank M48	88 x 88 x 12	0,1

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

	1	139427	Cutting Edge M48 Delta 8T/7W	3460 x 710/308 x 50	677,0
	1	178676	Wear Plate M48 C	595 x 355 x 70	107,4
	1	178677	Wear Plate M48 R	738 x 355 x 70	133,7
	1	178678	Wear Plate M48 L	738 x 355 x 70	133,7
	1	178679	Wear Plate M48 R Cor	738 x 355 x 70	133,7
	1	178680	Wear Plate M48 L Cor	738 x 355 x 70	133,7
	15	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
WA500 class Assy 300107	15	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	8	160051	Rubber Plug (Type B), solid blank M48	88 x 88 x 12	0,1

3 Cutting Edges with Teeth & Segments	Amt	Art.no.	Description	Dimension	Weight
	1	171124	Cutting Edge M48 Straight 8T/7W	3450 x 317 x 50	375,0
	6	138619	Tooth M48 STD	600 x 120 x 60	31,5
WA500 class Assy 300113	1	137054	Tooth M48 R Cor	600 x 220 x 60	52,0
Also awailable with 150mm teeth	1	137055	Tooth M48 L Cor	600 x 220 x 60	52,0
see Assy 300262	7	172100	Wear Plate M48 C 1h Rev	314 x 400 x 60	55,0
	16	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
	7	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
	23	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	1	139427	Cutting Edge M48 Delta 8T/7W	3460 x 710/308 x 50	677,0
	6	138619	Tooth M48 STD	600 x 120 x 60	31,5
	1	137054	Tooth M48 R Cor	600 x 220 x 60	52,0
	1	137055	Tooth M48 L Cor	600 x 220 x 60	52,0
WA500 class Assy 175086	1	137056	Wear Plate M48 C 1h Rev	314 x 400 x 40	39,0
Also awailable with 150mm teeth	6	172908	Wear Plate M48 L/R 1h Rev	314 x 498 x 40	39,0
see Assy 300114	16	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
	7	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
	23	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1

4 Cutting Edges Serrated	*)	Art.no.	Description	Dimension	Weight
	C	174251	Cutting Edge Serrated Straight 9T	3470 x 600 x 50	633,0
	C	174252	Cutting Edge Serrated Delta 8T	3500 x 928/612 x 50	855,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	*)	Art.no.	Description	Dimension	Weight
	A	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010638	Spanner M48	600 x 120 x 63	9,1
	A	010677	Spanner M48 + M52 Double socket	M48 x 20	12,4
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010683	Thread pin M48	200 x 60 x 60	1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

Note! *Note! All front protectors "mother lists" have a standard length of 1200mm.*

Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

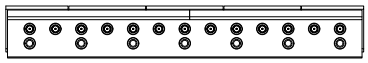
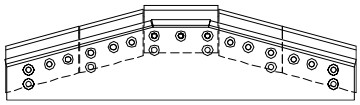
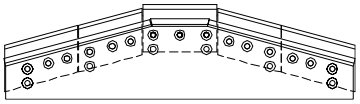
Suitable for:

35–70 ton | M60

- WA 600
- Volvo L220-L350
- Hitachi ZW 370–ZW 550
- Cat 988

... *and similar*

System

2 Cutting Edges with segments	PC	Art.no.	Description	Dimension	Weight
	1	176718	Cutting Edge M60 Straight 7T/6W FL	3700 x 400 x 60	603,0
	2	163076	Front List (163060 - Half length)	950 x 124 x 60	35,0
	2	350046	Front List	900 x 124 x 60	33,0
	3	420013	Wear Plate M60 R Cor 2h	650 x 410 x 70	137,0
	2	420014	Wear Plate M60 L Cor 2h	650 x 410 x 70	137,0
	2	420015	Wear Plate M60 C 3h	803 x 410 x 70	169,0
WA600 class Assy 300117	13	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Also awailable with wear plate 45mm	13	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
see Assy 300116	7	160052	Rubber Plug (Type B), solid blank M60	114 x 114 x 15	0,1
	1	176682	Cutting Edge M60 Delta 6T/5W FL	3685 x 765/350 x 60	928,0
	4	350024	Front List	802 x 120 x 60	29,0
	1	163024	Front List C	626 x 120 x 60	22,0
	1	178719	Wear Plate M60 C	782 x 480 x 45	126,0
	1	178720	Wear Plate M60 R	697 x 480 x 45	118,0
	1	178721	Wear Plate M60 L	697 x 480 x 45	118,0
	1	178722	Wear Plate M60 R Cor	807 x 480 x 45	134,0
	1	178723	Wear Plate M60 L Cor	807 x 480 x 45	134,0
	15	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
WA600 class Assy 300118	15	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	6	160052	Rubber Plug (Type B), solid blank M60	114 x 114 x 15	0,1
	1	176682	Cutting Edge M60 Delta 6T/5W FL	3685 x 765/350 x 60	928,0
	4	350024	Front List	802 x 120 x 60	29,0
	1	163024	Front List C	626 x 120 x 60	22,0
	1	166290	Wear Plate M60 C	782 x 400 x 70	160,0
	1	166291	Wear Plate M60 R	697 x 410 x 70	145,8
WA600 class Assy 300119	1	166292	Wear Plate M60 L	697 x 410 x 70	145,8
	1	166293	Wear Plate M60 R Cor	806 x 410 x 70	169,3
Volvo 350 WP-Assy 300264	1	166294	Wear Plate M60 L Cor	806 x 410 x 70	169,3
Cutting Edge 340067-L3960mm	15	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
Volvo 350 WP/FL -Assy 300265	15	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
Cutting Edge 340026-L3960mm	6	160052	Rubber Plug (Type B), solid blank M60	114 x 114 x 15	0,1

A: In stock | B: In stock, outgoing product | C: Delivery on request

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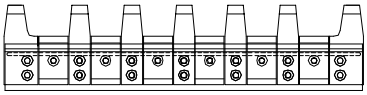
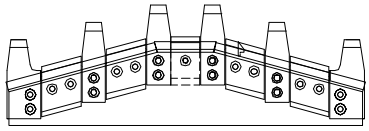
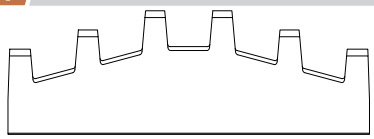
3 Cutting Edges with Teeth & Segments	PC	Art.no.	Description	Dimension	Weight
	1	176718	Cutting Edge M60 Straight 7T/6W FL	3700 x 400 x 60	603,0
	2	163076	Front List (163060 - Half length)	950 x 124 x 60	35,0
	2	350046	Front List	900 x 124 x 60	33,0
	5	137367	Tooth M60 Penetration	825 x 220 x 70	91,0
	1	171843	Tooth M60 Penetration R Cor	825 x 355 x 70	125,0
	1	171844	Tooth M60 Penetration L Cor	825 x 355 x 70	125,0
	6	172227	Wear Plate M60 1h Rev	300 x 500 x 70	77,0
WA600 class Assy 300120	20	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
	20	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	176682	Cutting Edge M60 Delta 6T/5W FL	3685 x 765/350 x 60	928,0
	4	350024	Front List	802 x 120 x 60	29,0
	1	163024	Front List C	626 x 120 x 60	22,0
WA600 class Assy 300121	4	171847	Tooth M60 Penetration	825 x 250 x 70	100,0
	1	171843	Tooth M60 Penetration R Cor	825 x 355 x 70	125,0
WA600 Assy 300026	1	171844	Tooth M60 Penetration L Cor	825 x 355 x 70	125,0
Teeth/Wear plates/ Front liste	1	172227	Wear Plate M60 1h Rev	300 x 500 x 70	77,0
Cutting Edge 340026-L3960mm	2	178804	Wear Plate M60 R 2h	408 x 500 x 70	107,0
	2	178805	Wear Plate M60 L 2h	408 x 500 x 70	107,0
WA600 Assy 300084	12	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
Teeth/Wear plates	9	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Cutting Edge 340067-L3960mm	21	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
4 Cutting Edges Serrated	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	174332	Cutting Edge Serrated Delta 6T	3685 x 895/355 x 60	1 470,0
	C	174285	Cutting Edge Serrated Delta 8T	3960 x 1088 x 60	1 299,0
	C	174291	Cutting Edge Serrated Straight 7T	3700 x 850 x 60	1 042,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	***)**	Art.no.	Description	Dimension	Weight
	A	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
	A	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	M60 x 727	15,2
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010684	Thread pin M60	210 x 80 x 80	2,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

Note! *Note! All front protectors "mother lists" have a standard length of 1200mm.*

Cutting Edge

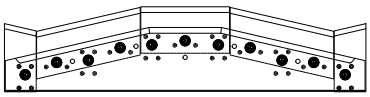
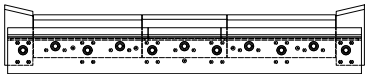
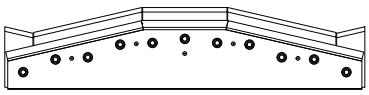
1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

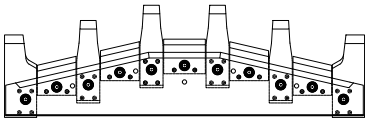
Suitable for:

- WA 700-900
- Cat 992

... and similar

70–120 ton | M68

2 Cutting Edges with segments	PC	Art.no.	Description	Dimension	Weight
	1	168038	Cutting Edge M68 1bolt Delta 6T/5W,	4340 x 770/370 x 70	1 350,0
	1	166250	Wear Plate M68 C 1bolt	1070 x 560 x 70	313,0
	1	166251	Wear Plate M68 R 1bolt	1283/1250 x 560 x 70	376,0
	1	166252	Wear Plate M68 L 1bolt	1283/1250 x 560 x 70	376,0
	1	166253	Wear Plate M68 R Cor 1bolt	383 x 822 x 70	158,0
	1	166254	Wear Plate M68 L Cor 1bolt	383 x 822 x 70	158,0
	11	135092H	Bolt M68 x 128 Hole.	M68 x 128	3,7
WA700 class Assy 300122	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	8	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	1	168057	Cutting Edge M68 1bolt Straight 6T/5W FL	4810 x 500 x 80	1 395,0
	2	166300	Wear Plate M68 3h	1472 x 580 x 70	449,0
	1	166245	Wear Plate M68 C 1bolt	1146 x 580 x 70	351,2
	1	166253	Wear Plate M68 R Cor 1bolt	383 x 822 x 70	158,0
	1	166254	Wear Plate M68 L Cor 1bolt	383 x 822 x 70	158,0
	4	350049	Front List	950 x 171 x 80	56,0
	1	163403	Front List	990 x 171 x 80	59,0
	11	135092H	Bolt M68 x 128 Hole.	M68 x 128	3,7
WA900 class Assy 201077	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	10	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	1	168058	Cutting Edge M68 1bolt Delta 6T/5W FL,	4810 x 811/384 x 80	1 834,0
	1	166253	Wear Plate M68 R Cor 1bolt	383 x 822 x 70	158,0
	1	166254	Wear Plate M68 L Cor 1bolt	383 x 822 x 70	158,0
	1	166245	Wear Plate M68 C 1bolt	1146 x 580 x 70	351,2
	1	166246	Wear Plate M68 R 1bolt	1509 x 600 x 70	480,0
	1	166247	Wear Plate M68 L 1bolt	1509 x 600 x 70	480,0
	4	163356	Front List	945 x 171 x 80	56,0
	1	163357	Front List	1180/1001 x 171 x 80	68,0
	11	135092H	Bolt M68 x 128 Hole.	M68 x 128	3,7
WA900 class Assy 300124	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	34	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4

3 Cutting Edges with Teeth & segments	PC	Art.no.	Description	Dimension	Weight
	1	168038	Cutting Edge M68 1bolt Delta 6T/5W,	4340 x 770/370 x 70	1 350,0
	4	162171	Tooth M68 1bolt Penetration	1001 x 280 x 90	171,5
	1	162172	Tooth M68 1bolt Penetration R Cor	1001 x 390 x 90	232,0
	1	162173	Tooth M68 1bolt Penetration L Cor	1001 x 390 x 90	232,0
	2	162341	Wear Plate M68 R 1bolt	470 x 473/364 x 80	116,0
	2	162342	Wear Plate M68 L 1bolt	470 x 473/364 x 80	116,0
	1	162343	Wear Plate M68 C 1bolt	506 x 420 x 80	126,0
	11	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
WA700 class Assy 300123	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	34	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4

A: In stock | B: In stock, outgoing product | C: Delivery on request

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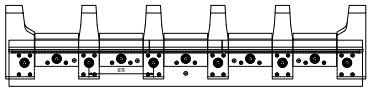
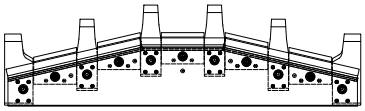
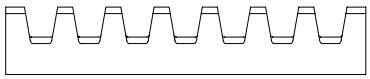
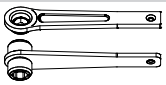
	1	168057	Cutting Edge M68 1bolt Straight 6T/5W FL	4810 x 500 x 80	1 395,0
	4	162171	Tooth M68 1bolt Penetration	1001 x 280 x 90	171,5
	1	162172	Tooth M68 1bolt Penetration R Cor	1001 x 390 x 90	232,0
	1	162173	Tooth M68 1bolt Penetration L Cor	1001 x 390 x 90	232,0
	5	162347	Wear Plate M68 C 1bolt	594 x 450 x 90	179,0
	4	350049	Front List	950 x 171 x 80	56,0
	1	163403	Front List	990 x 171 x 80	59,0
	11	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
WA900 class Assy 201078	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	34	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	1	168058	Cutting Edge M68 1bolt Delta 6T/5W FL,	4810 x 811/384 x 80	1 834,0
	4	162171	Tooth M68 1bolt Penetration	1001 x 280 x 90	171,5
	1	162172	Tooth M68 1bolt Penetration R Cor	1001 x 390 x 90	232,0
	1	162173	Tooth M68 1bolt Penetration L Cor	1001 x 390 x 90	232,0
	1	162344	Wear Plate M68 1bolt	588 x 431 x 70	133,0
	2	162345	Wear Plate M68 R 1bolt	588 x 508 x 70	135,0
	2	162346	Wear Plate M68 L 1bolt	588 x 508 x 70	135,0
	4	163356	Front List	945 x 171 x 80	56,0
	1	163357	Front List	1180/1001 x 171 x 80	68,0
	11	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
WA900 class Assy 300125	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	8	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
4 Cutting Edges Serrated	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	174288	Cutting Edge Serrated Delta 8T	4450 x 1186 x 70	1 812,0
	C	174240	Cutting Edge Serrated Straight 8T	4810 x 900 x 90	2 259,0
	C	174235	Cutting Edge Serrated Delta 8T	4810 x 1124/775 x 90	2 354,0

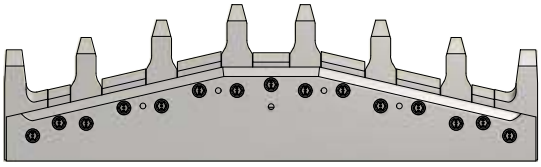
The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	135092H	Bolt M68 x 128 Hole.	M68 x 128	3,7
	A	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160035	Spanner M68 Single socket	745 x 140 x 25	17,0
	A	136994	Spanner M68 Double socket - for WL only	M68 x 745	20,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010686	Thread pin M68	250 x 70 x 70	4,8
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

Note! *Note! All front protectors "mother lists" have a standard length of 1200mm.*

KVX for limestone

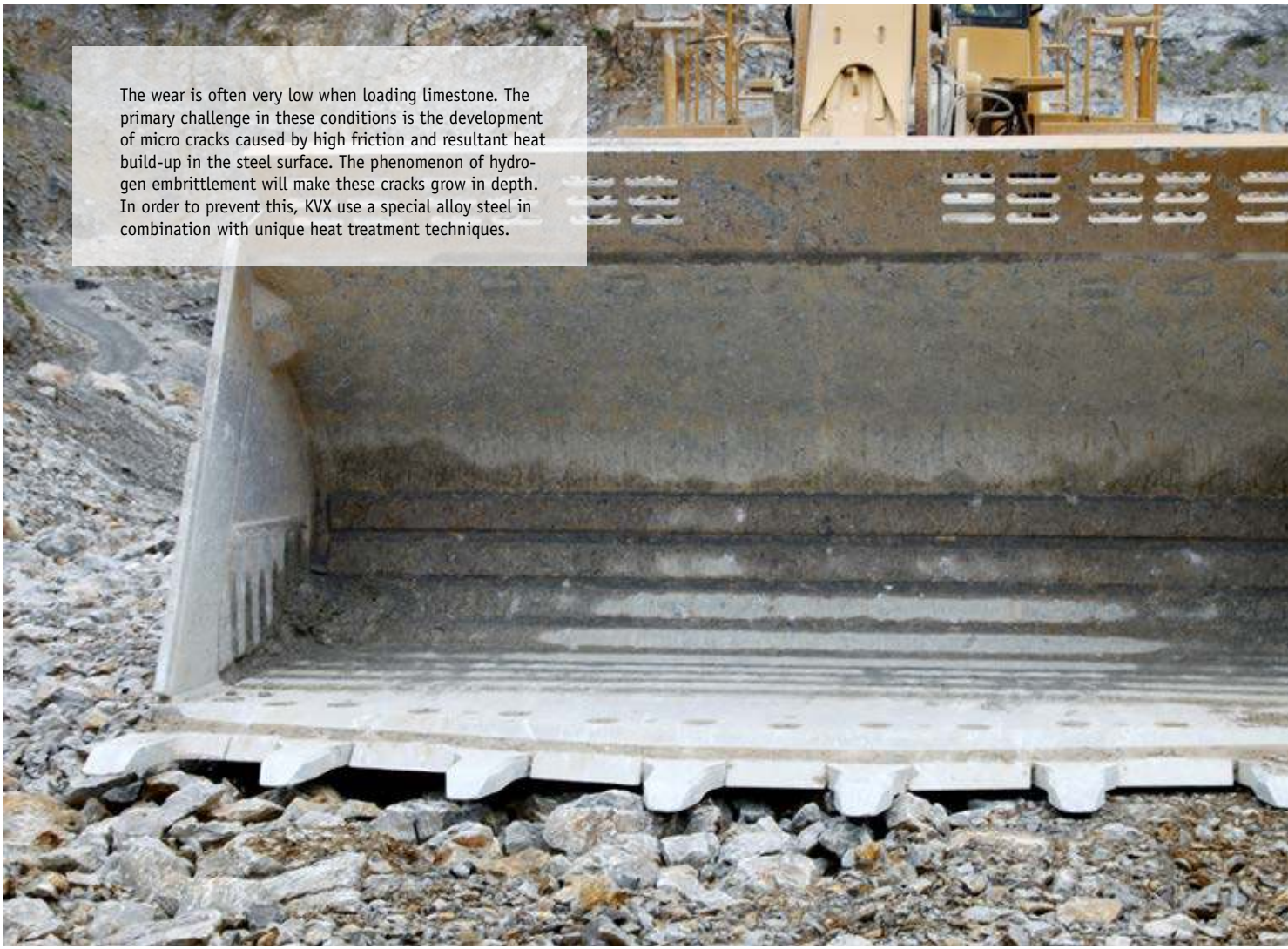


KVX provide specially heat treated serrated cutting edges and tooth systems which are customized for handling limestone.

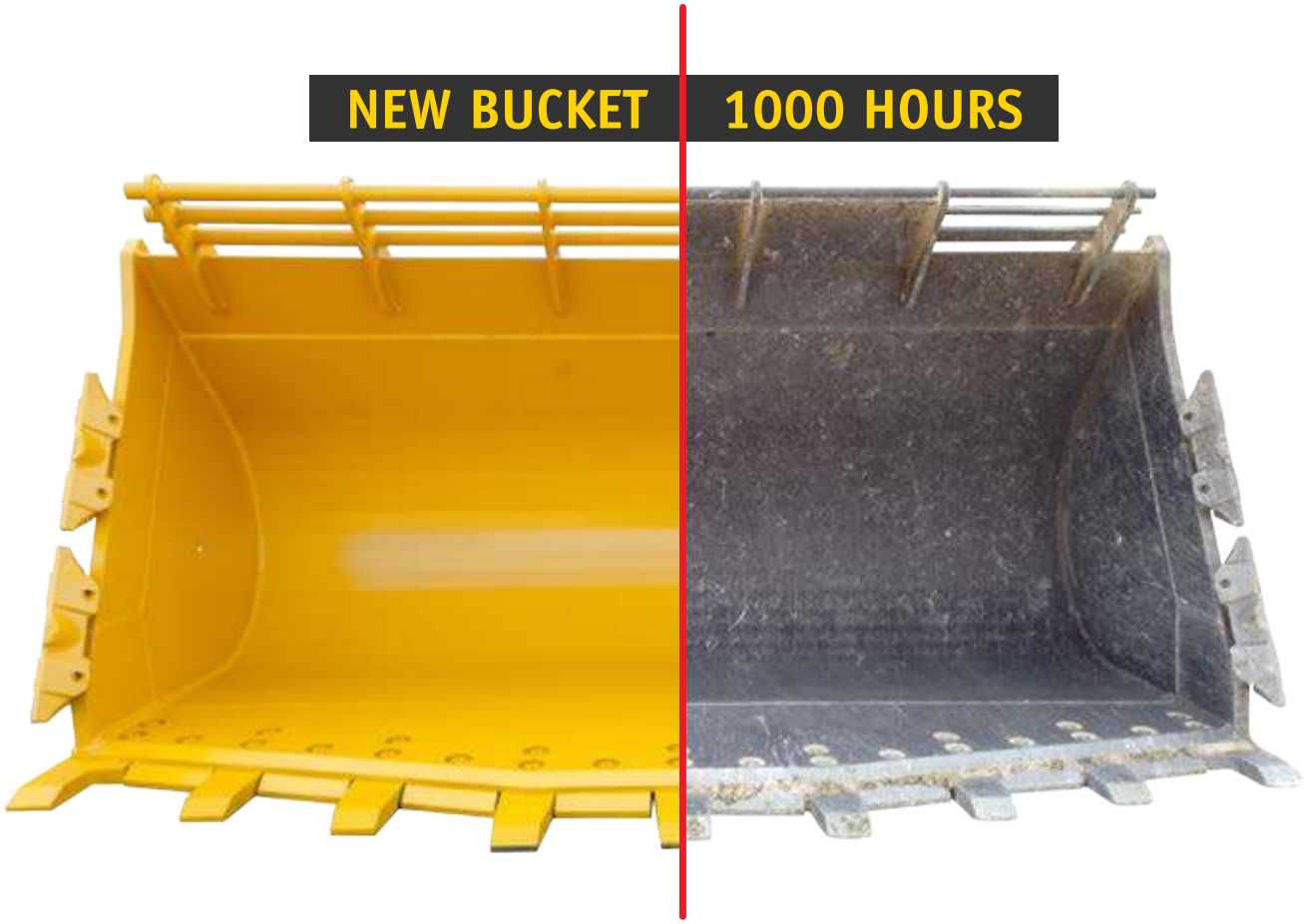
For a number of decades KVX have worked closely with the cement industry all over the world to develop tooth systems which will perform well for many years in limestone rock types. Limestone exposes the steel to unique challenges. The wear is low, often extremely low. However, when loading limestone, small micro cracks develop in the steel, due to excessive heat generation in the surface of the steel, caused by the friction of the stone as it moves along the steel surface. Seconds later, the surface cools again. When loading the next new cycle, the surface of the steel is again overheated for a few seconds. This constant temperature change on the surface allows hardened steel (typically over 450 Brinell) to attain a surface condition referred to as «elephant skin». This is the precursor of crack development which goes deeper into the steel. The reason that the micro cracks grow in depth is due to the phenomenon of hydrogen embrittlement , which can cause cracks so significant that they eventually lead to fracture of the tooth or cutting edge.

KVX use specially alloyed steel with specific hardening techniques to counteract this. In doing this we eliminate the crack formation. 125 years of experience with heat treatment has helped us to provide today's solution for loading and handling limestone. KVX sell these limestone systems worldwide for the construction and mining industry.

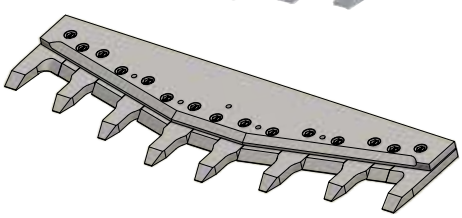
The wear is hardly noticeable, even after several thousand hours of operation in limestone.



The wear is often very low when loading limestone. The primary challenge in these conditions is the development of micro cracks caused by high friction and resultant heat build-up in the steel surface. The phenomenon of hydrogen embrittlement will make these cracks grow in depth. In order to prevent this, KVX use a special alloy steel in combination with unique heat treatment techniques.



The picture above shows the cracked surface of the steel which is often referred to as «elephant skin». This is caused by the phenomenon of hydrogen embrittlement which occurs when ordinary hardened steel is used in the handling of limestone.



When loading limestone the wear can vary. Where there is minimal wear, the serrated cutting edge tends to be the ideal choice. In areas where the wear is somewhat higher, a tooth system with replaceable teeth and wear parts, as shown in the picture below, would be the best choice.

KVX deliver lip/GET systems and complete buckets for loading limestone.

PLEASE CONTACT US WITH ANY QUERIES!

Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

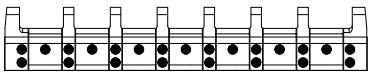
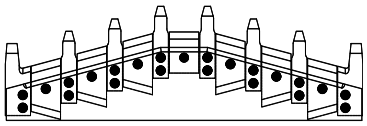
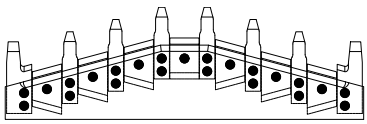
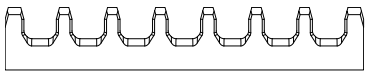
Suitable for:

23–35 ton | M48

- WA 480-500
- Volvo L 120–L 180
- Hitachi ZW 310–ZW 330
- Cat 980
- Doosan DL 500

... *and similar*

System

3 Cutting Edges with Teeth & Segments	PC	Art.no.	Description	Dimension	Weight
	1	171124	Cutting Edge M48 Straight 8T/7W	3450 x 317 x 50	375,0
	6	440046	Tooth M48 Limestone	600 x 120 x 60	30,0
WA500 class	1	440047	Tooth M48 R Cor Limestone	600 x 220 x 60	51,0
Assy 300381	1	440048	Tooth M48 L Cor Limestone	600 x 220 x 60	51,0
	7	172100	Wear Plate M48 C 1h Rev	314 x 400 x 60	55,0
	16	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
	7	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
	23	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	1	139427	Cutting Edge M48 Delta 8T/7W	3460 x 710/308 x 50	677,0
	6	440049	Tooth M48 Limestone	700 x 150 x 60	44,0
	1	440050	Tooth M48 R Cor Limestone	700 x 240 x 60	64,0
	1	440051	Tooth M48 L Cor Limestone	700 x 245 x 60	63,0
WA500 class	1	178770	Wear Plate M48	286 x 400 x 60	50,0
Assy 300383	6	178791	Wear Plate M48 L/R Rev	286 x 594 x 60	63,0
	23	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
	23	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	1	171163	Cutting Edge M48 Delta 8T/7W	3500 x 725 x 50	700,0
	6	440049	Tooth M48 Limestone	700 x 150 x 60	44,0
	1	440050	Tooth M48 R Cor Limestone	700 x 240 x 60	64,0
	1	440051	Tooth M48 L Cor Limestone	700 x 245 x 60	63,0
WA500 class	1	172396	Wear Plate M48 1h Rev	286 x 400 x 60	48,0
Assy 300543	6	172924	Wear Plate M48 L/R 1h Rev	286 x 491 x 60	50,0
	23	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
	23	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
4 Cutting Edges Serrated	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	340364	Cutting Edge Serrated Straight 8T Limestone	3440 x 600 x 50	516,0
	C	340338	Cutting Edge Serrated Straight 8T Limestone	3440 x 600 x 60	611,0
	C	340348	Cutting Edge Serrated Delta 8T Limestone	3440 x 920/300 x 60	841,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	*)	Art.no.	Description	Dimension	Weight
	A	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010638	Spanner M48	600 x 120 x 63	9,1
	A	010677	Spanner M48 + M52 Double socket	M48 x 20	12,4
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010683	Thread pin M48	200 x 60 x 60	1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

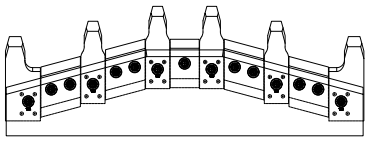
Suitable for:

35–70 ton | M60

- WA 600
- Volvo L220-L350
- Hitachi ZW 370–ZW 550
- Cat 988

... *and similar*

System

3 Cutting Edges with Teeth & Segments	PC	Art.no.	Description	Dimension	Weight
	1	340369	Cutting Edge M60 1bolt Delta 6T/5W	3685 x 887/500 x 60	1 185,0
	4	440074	Tooth M60 1bolt Limestone	850 x 250 x 70	97,0
	1	440075	Tooth M60 1bolt R Cor Limestone	870 x 360 x 70	135,0
	1	440076	Tooth M60 1bolt L Cor Limestone	870 x 360 x 70	135,0
	2	420154	Wear Plate M60 R 2h Rev Limestone	522 x 500 x 70	94,0
	1	420155	Wear Plate M60 1h Rev Limestone	300 x 500 x 70	67,0
	2	420156	Wear Plate M60 L 2h Rev Limestone	522 x 500 x 70	94,0
WA600 class Assy 300120	15	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
	15	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
4 Cutting Edges Serrated	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	340531	Cutting Edge Serrated Delta 8T Limestone	3960 x 1088 x 60	1 299,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	*)	Art.no.	Description	Dimension	Weight
	A	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	M60 x 727	15,2
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010684	Thread pin M60	210 x 80 x 80	2,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

Cutting Edge

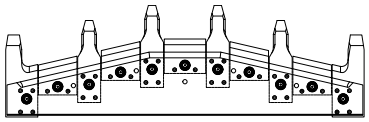
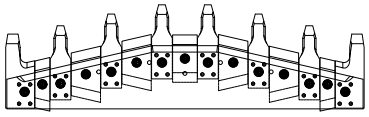
1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

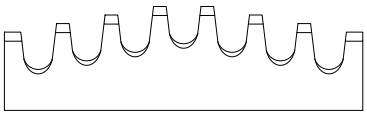
Suitable for:

- WA 700-900
- Cat 992

... and similar

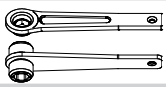
70–120 ton | M68

3 Cutting Edges with Teeth & Segments	PC	Art.no.	Description	Dimension	Weight
	1	168038	Cutting Edge M68 1bolt Delta 6T/5W,	4340 x 770/370 x 70	1 350,0
	4	440056	Tooth M68 1bolt Limestone	1000 x 280 x 80	139,0
	1	440057	Tooth M68 1Bolt R Cor Limestone	1000 x 390 x 80	183,0
	1	440058	Tooth M68 1bolt L Cor Limestone	1000 x 390 x 80	183,0
	2	162341	Wear Plate M68 R 1bolt	470 x 473/364 x 80	116,0
	2	162342	Wear Plate M68 L 1bolt	470 x 473/364 x 80	116,0
	1	162343	Wear Plate M68 C 1bolt	506 x 420 x 80	126,0
	11	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
WA700 class Assy 300384	11	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	34	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	1	340283	Cutting Edge M68 Delta 8T/7W	4810 x 854/400 x 80	1 851,0
	6	440056	Tooth M68 1bolt Limestone	1000 x 280 x 80	139,0
	1	440057	Tooth M68 1Bolt R Cor Limestone	1000 x 390 x 80	183,0
	1	440058	Tooth M68 1bolt L Cor Limestone	1000 x 390 x 80	183,0
	2	420149	Wear plate M68 1bolt Rev Special	724 x 202 x 80	68,0
	4	420148	Wear plate M68 1bolt Rev	395 x 738 x 80	133,0
	1	420147	Wear plate M68 1bolt C Rev	332 x 610 x 80	106,0
	15	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
WA900 class Assy 300497	15	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	32	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4

4 Cutting Edges Serrated	*)	Art.no.	Description	Dimension	Weight
	C	340230	Cutting Edge Serrated Delta 8T Limestone	4810 x 1124/775 x 90	2 368,0
	C	340352	Cutting Edge Serrated Delta 8T Limestone	4810 x 1395 / 550 x 80	2 717,0

The table shows recommendations from KVX. Contact our sales department for further information. Illustrations may deviate from technical drawings.

Accessories

Bolts	*)	Art.no.	Description	Dimension	Weight
	A	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
Spanner	*)	Art.no.	Description	Dimension	Weight
	A	160035	Spanner M68 Single socket	745 x 140 x 25	17,0
	A	136994	Spanner M68 Double socket - for WL only	M68 x 745	20,0
Thread pin	*)	Art.no.	Description	Dimension	Weight
	A	010686	Thread pin M68	250 x 70 x 70	4,8
Grease	*)	Art.no.	Description	Dimension	Weight
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

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A: In stock | B: In stock, outgoing product | C: Delivery on request

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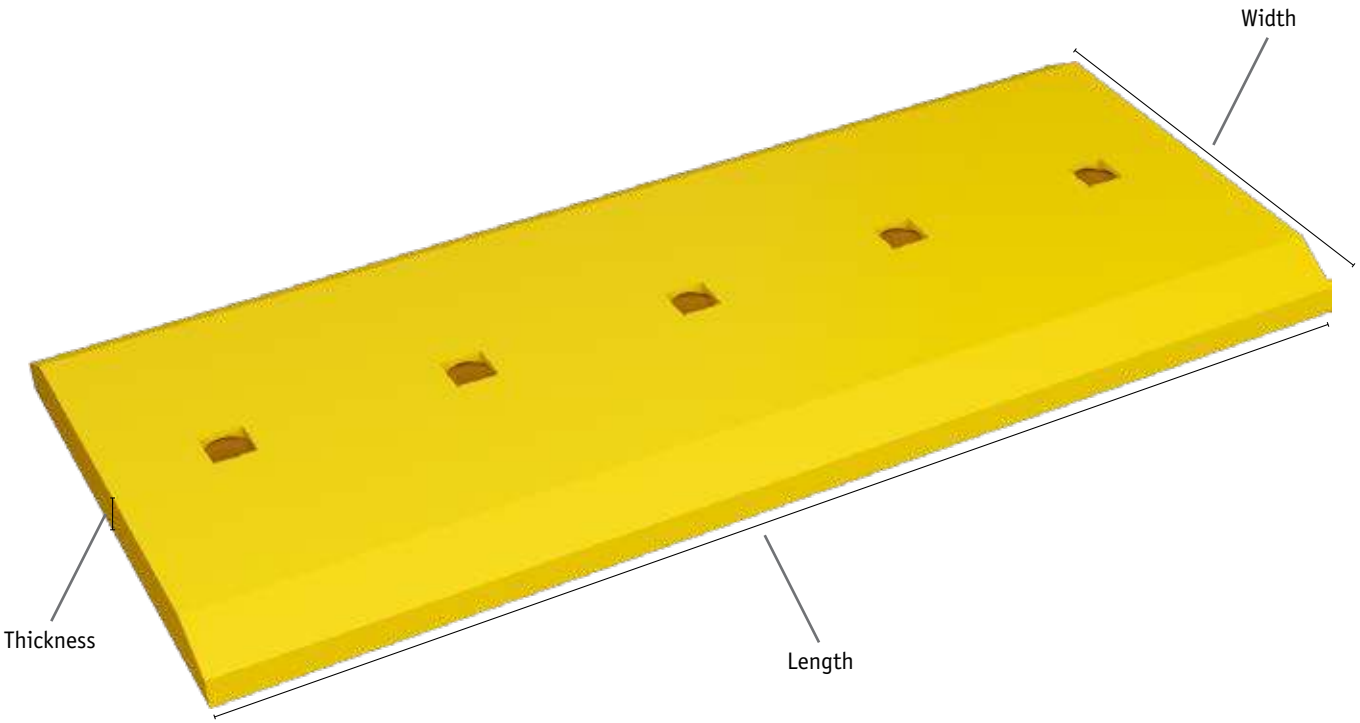
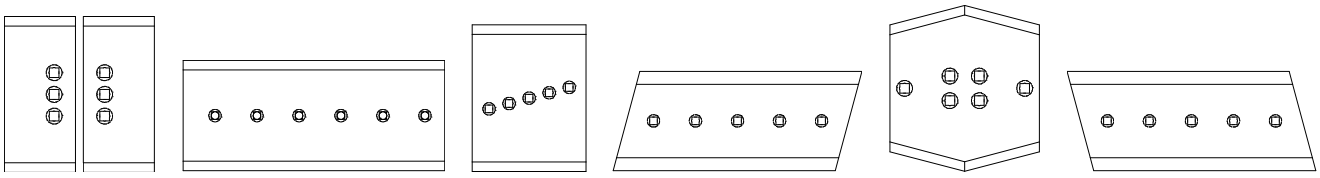
WEAR PLATES

Plowbolt fit





Left Corner plate (LCo) and Right Corner plate (RCo).

Centre plate (SP)

Corner plate (Co)

Left Side plate (L)

Centre plate Pointed (SPP)

Right Side plate (R)

How to read the table:

Bolt dimension | Left Corner 5 holes | Reversible | Length x Width x Thickness

A	131441	Wear Plate 1" 27 LCo5hRev...	413 x 480 x 45
A	131442	Wear Plate 1" 27 RCo5hRev...	413 x 480 x 45

C3h = Centre 3 holes
L5h = Left 5 holes
R5h = Right 5 holes
Co6h = Corner 6 holes

Wear plates plowbolt fit

Wear plates plowbolt fit - 5/8"	*)	Art.no.	Description	Dimension	Weight
	C	160266	Wear Plate 5/8" -6 Rev	6100 x 150 x 16	100,0
	C	160267	Wear Plate 5/8" -6 Rev	6100 x 150 x 20	129,0
	C	160268	Wear Plate 5/8" -6 Rev	6100 x 200 x 20	183,0
	C	160274	Wear Plate 5/8" -6 Rev	6100 x 200 x 25	215,9
	C	160275	Wear Plate 5/8" -6 Rev	6100 x 250 x 25	284,3
Wear plates plowbolt fit - 3/4"	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	160269	Wear Plate 3/4" -6" Rev	6100 x 200 x 20	172,0
	C	160270	Wear Plate 3/4" -6" Rev	6100 x 200 x 25	215,9
	C	160271	Wear Plate 3/4" -6" Rev	6100 x 250 x 25	284,3
	C	160272	Wear Plate 3/4" -6" Rev	6100 x 250 x 30	366,0
Wear plates plowbolt fit - 7/8"	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	160264	Wear Plate 7/8" -6 Rev	6100 x 250 x 25	284,3
	C	160265	Wear Plate 7/8" -6 Rev	6100 x 250 x 30	355,0
Wear plates plowbolt fit - 1"	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	160239	Wear Plate 1"- 6 Rev	6100 x 250 x 25	284,3
	C	160245	Wear Plate 1" -6 Rev	6100 x 300 x 30	420,0
	C	160246	Wear Plate 1" -6 Rev	6100 x 330 x 30	447,7
	C	160247	Wear Plate 1" -6 Rev	6100 x 380 x 30	519,2
	C	160248	Wear Plate 1" -6 Rev	6100 x 330 x 35	508,0
	C	160249	Wear Plate 1" -6 Rev	6100 x 330 x 40	580,0
	C	173392	Wear Plate 1"- 6	6100 x 400 x 40	739,0
Wear plates plowbolt fit - 1" non rev.	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	420092	Wear Plate 1 21H c/c 6" Not Rev	3200 x 406 x 40	393,0
Wear plates plowbolt fit - 5/4"	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	160277	Wear Plate 5/4" -6 Rev	6100 x 330 x 40	580,0
	C	160278	Wear Plate 5/4" -6 Rev	6100 x 400 x 40	712,0

Complete system for buckets can be delivered on request.

Bolts

Plow bolts ¾" - 1 ¼"	*)	Art.no.	Description	Dimension	Weight
	A	160025	Plow Bolt w/nut - ¾" x 2 ½" - 12.9	3/4" x 2 1/2"	0,2
	A	160038	Plow Bolt w/nut - 7/8" x 3" - 12.9	7/8" x 3"	0,4
	A	138695	Plow Bolt w/nut 1" x 2½" - 12.9	1" x 2 1/2"	0,5
	A	160075	Plow Bolt w/nut 1" x 2 ¾ " - 12.9	1" x 2 3/4"	0,4
	A	138690	Plow Bolt w/nut 1" x 3" - 12.9	1" x 3"	0,5
	A	160090	Plow Bolt w/nut 1" x 3 ¼" - 12.9	1" x 3 1/4"	0,5
	A	310000	Plow Bolt w/nut 1" x 3 ½" - 12.9	1" x 3 1/2"	0,5
	A	160116	Plow Bolt w/nut 1" x 4" - 12.9	1" x 4"	0,6
	A	160076	Plow Bolt w/nut 1 ¼" x 3 ¼" -12.9	1 1/4" x 3 1/4"	0,9
	A	138601	Plow Bolt w/nut 1 ¼" x 3 ¾" - 12.9	1 1/4" x 3 3/4"	1,0
	A	160106	Plow Bolt w/nut 1 ¼" x 5" - 12.9	1 1/4" x 5"	1,2
	A	310004	Nut ¾" 10 UNC	3/4" x 10 UNC x	0,1
	A	310003	Nut 7/8" 9 UNC	7/8" x 9 UNC x	0,1
	A	015939	Nut 1" 8 UNC	1" x 22mm	0,1
	A	310002	Nut 1 ¼" 7 UNC	1,25 x 7 UNC x	0,1
Plow bolts, millimeter	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160196	Bolt M16 x 65 - 10.9	M16 x 65 FH	0,1
	C	310010	Bolt M20 x 70	M20 x 70	0,2
	C	310011	Bolt M20 x 75	M20 x 75	0,2
	C	310012	Bolt M24 x 65	M24 x 65	0,3
	C	310013	Bolt M24 x 80	M24 x 70	0,2
	A	310006	Nut M16	M16 x 27 x 15	0,0
	C	310007	Nut M20	M20 x	0,1
	C	310008	Nut M24	M24 x 19	0,1

A: In stock | B: In stock, outgoing product | C: Delivery on request

Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

Cutting Edge w/Wear Plates:

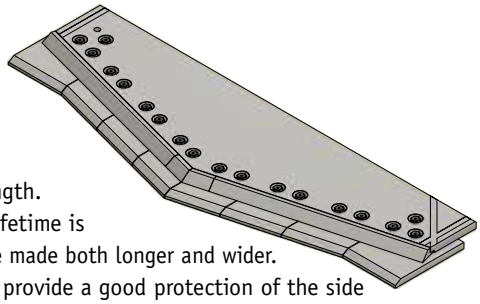
Suitable for:

35–70 ton | M60

- WA 600
- Volvo 250G
- Volvo 350
- Cat 988

... and similar

KVX for Tunneling

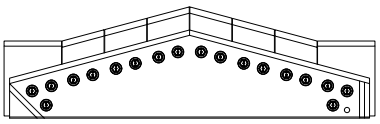
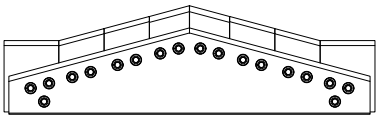
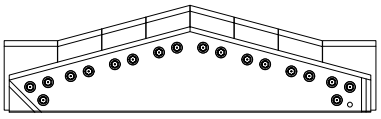
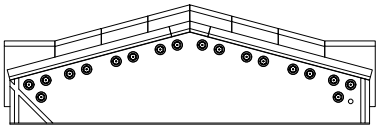


KVX has developed a complete new system with wearplates for Tunneling with superior strength and lifetime.

The new system is developed especially for KOMATSU WA600, CAT 988 and VOLVO 250G/350G. The system contains 50mm wearplates made of KVX Sagitta steel and M60 bolts.

In addition to this, the corner plates are reinforced with 3 bolts in a triangle for a maximum strength. Due to the design changes, the lifetime is extended as the wearplates can be made both longer and wider. The extra wide corner plates also provide a good protection of the side edges of the bucket. This makes the KVX system superior to corresponding plow bolt systems.

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

Cutting Edges with segments	Ant	Art.no.	Description	Dimension	Weight
	1	340233	Cutting Edge M60 Delta 8W	3600 x 883/400 x 60	1 005,0
	1	420001	Wear Plate M60 L Cor 3h	575 x 750 x 50	163,0
	1	420004	Wear Plate M60 R Cor 3h	575 x 750 x 50	163,0
	3	420127	Wear Plate M60 L 2h	420 x 652 x 50	84,0
	3	420128	Wear Plate M60 R 2h	420 x 652 x 50	84,0
WA600 / Volvo 250G-Assy 300336	18	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	18	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	340367	Cutting Edge M60 Delta 8W	3800 x 910/400 x 60	1 088,0
	1	420001	Wear Plate M60 L Cor 3h	575 x 750 x 50	163,0
	1	420004	Wear Plate M60 R Cor 3h	575 x 750 x 50	163,0
	2	420003	Wear Plate M60 L 2h	474 x 540 x 50	96,0
	2	420006	Wear Plate M60 R 2h	474 x 540 x 50	96,0
	1	420127	Wear Plate M60 L 2h	420 x 652 x 50	84,0
	1	420128	Wear Plate M60 R 2h	420 x 652 x 50	84,0
WA600 / Volvo 250G Assy 300553	18	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	18	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	340008	Cutting Edge M60 Pointed 8W	3900 x 911/400 x 60	1 130,0
	1	420001	Wear Plate M60 L Cor 3h	575 x 750 x 50	163,0
	1	420004	Wear Plate M60 R Cor 3h	575 x 750 x 50	163,0
	3	420003	Wear Plate M60 L 2h	474 x 540 x 50	96,0
	3	420006	Wear Plate M60 R 2h	474 x 540 x 50	96,0
WA600 / Volvo 250G Assy 300009	18	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	18	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	340007	Cutting Edge M60 Pointed 8W FL	4100 x 1052/503 x 70	1 658,0
	1	420001	Wear Plate M60 L Cor 3h	575 x 750 x 50	163,0
	1	420004	Wear Plate M60 R Cor 3h	575 x 750 x 50	163,0
	2	420016	Wear Plate M60 L 2h	527 x 540 x 50	107,0
	2	420017	Wear Plate M60 R 2h	527 x 540 x 50	107,0
	1	420003	Wear Plate M60 L 2h	474 x 540 x 50	96,0
	1	420006	Wear Plate M60 R 2h	474 x 540 x 50	96,0
	1	350004	Front Protector List	245/201 x 163 x 70	11,5
WA600 / Volvo 250G Assy 300007	1	350006	Front Protector List	245/201 x 163 x 70	11,5
	4	350048	Front List	950 x 163 x 70	49,0
	18	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	18	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
	A	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	M60 x 727	15,2
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010684	Thread pin M60	210 x 80 x 80	2,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

Note! *Note! All front protectors "mother lists" have a standard length of 1200mm.*

Cutting Edge

1 Without hole
2 w/Wear Plates
3 w/Teeth & segments
4 Serrated Lip

Suitable for:

200–300 ton | M90

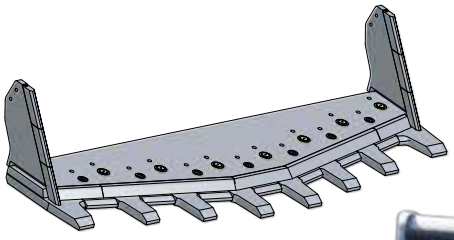
- WA 1200
- Cat 994
- LeTourneau 1350-2350

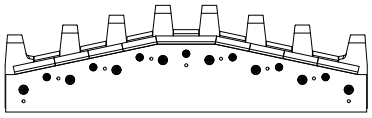
... and similar

KVX for Mining

A Heavy Duty solution for Mining applications. KVX delivers both GET and complete buckets.

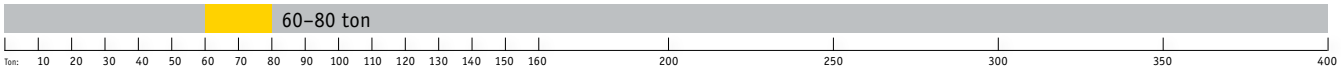
The Sagitta 500 Brinell through hardened lip allows fitment of numorous GET options and improves bucket strength and wear life.

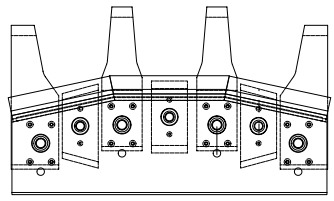
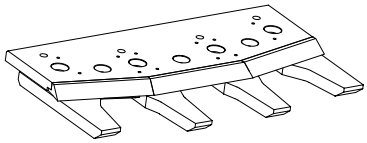
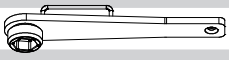


2 Cutting Edges with segments	PC	Art.no.	Description	Dimension	Weight
	1	168086	Cutting Edge M90 1bolt Delta 8T/7W	6260 x 1177/650 x 100	4 407,0
	3	420019	Wear Plate M68 R	440 x 663 x 80	150,0
	1	420020	Wear Plate M68 C	440 x 610 x 80	162,0
	3	420021	Wear Plate M68 L	440 x 663 x 80	150,0
	6	440015	Tooth M90 1bolt C	1275 x 350 x 120	380,0
	1	440016	Tooth M90 1bolt R Cor	1275 x 495 x 120	507,0
	1	440017	Tooth M90 1bolt L Cor	1275 x 495 x 120	507,0
	6	350070	Front List	600 x 200 x 100	49,0
	2	350071	Front List	720 x 200 x 100	59,0
	1	350076	Front List C	1060 x 200 x 100	84,0
	7	035092h	Bolt M68 x 147 Hole	M68 x 147	4,3
	8	160031H	Bolt M90 x 213 Hole	M90 x 213	11,3
	32	160114	Ball Dowel Ø80 M90 1bolt	80 x 80 x 80	2,1
WA1200 Assy 300216	14	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	7	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,2
	8	131407	Rubber Plug M80/90 (Type A), HEX bolt head	150 x 150 x 40	0,2
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160031H	Bolt M90 x 213 Hole	M90 x 213	11,3
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160045	Thread pin M90	270 x 100 x 100	5,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

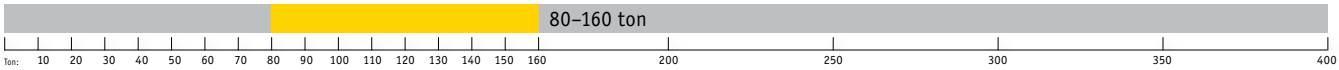
SYSTEM FOR FRONT SHOVEL

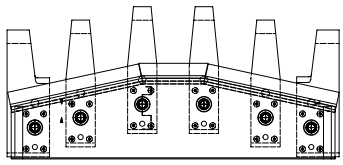
System for Front Shovel 60–80 ton **M68**



Cuting Edges Spade	PC	Art.no.	Description	Dimension	Weight
	1	161602	Cutting Edge M68 1bolt Delta 4T/3W	2190 x 700/535 x 80	865,0
	2	162100	Tooth M68 1bolt Penetration	1000 x 280 x 90	158,0
	1	162102	Tooth M68 1bolt Penetration R Cor	1000 x 330 x 90	188,0
	1	162103	Tooth M68 1bolt Penetration L Cor	1000 x 330 x 90	188,0
	1	162200	Wear Plate M60 C 1h Rev	250 x 500 x 50	45,7
	2	162201	Wear Plate M60 L/R 1h Rev	250 x 585 x 50	47,3
	1	163204	Front List	830 x 171 x 80	47,0
	2	163205	Front List	721 x 171 x 80	43,0
	16	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	3	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35	0,2
	4	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
Assy 300599	3	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
Included in Cutting Edge	A	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
Included in Cutting Edge	A	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35	0,2
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160035	Spanner M68 Single socket	745 x 140 x 25	17,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010686	Thread pin M68	250 x 70 x 70	4,8
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

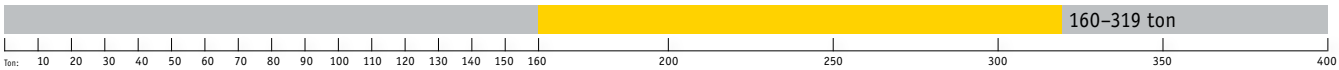
System for Front Shovel 80–160 ton **M80**

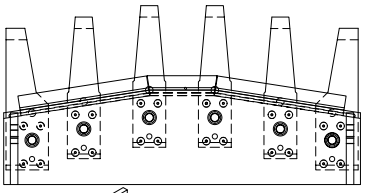
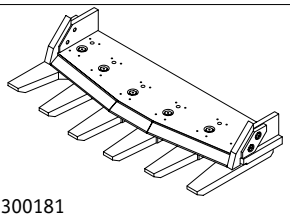


Cuting Edges Spade	PC	Art.no.	Description	Dimension	Weight
	1	161603	Cutting Edge M80 1bolt Delta 6T	3320 x 535 x 100	**1 729,0**
	4	162082	Tooth M80 1bolt Penetration C	1300 x 300 x 120	315,0
	1	162083	Tooth M80 1bolt Penetration R Cor	1300 x 435 x 120	430,0
	1	162084	Tooth M80 1bolt Penetration L Cor	1300 x 435 x 120	430,0
	1	163210	Front List C	708 x 210 x 120	73,0
	2	350104	Front List	685 x 210 x 120	75,0
	24	160115	Ball Dowel Ø60 M80 1bolt	60 x 60 x 60	1,0
Assy 300600	6	160030H	Bolt M80 x 175 Hole	M80 x 175	8,0
Teeth	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	162082	Tooth M80 1bolt Penetration C	1300 x 300 x 120	315,0
	B	162083	Tooth M80 1bolt Penetration R Cor	1300 x 435 x 120	430,0
	B	162084	Tooth M80 1bolt Penetration L Cor	1300 x 435 x 120	430,0
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	160030	Bolt M80 x 175	M80 x 175	7,9
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
Included in Cutting Edge	A	160115	Ball Dowel Ø60 M80 1bolt	60 x 60 x 60	1,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010687	Thread pin M80	290 x 100 x 100	4,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

It is recommended to use Hydraulic Torque Tool to loosen and torque up the bolts.

System for Front Shovel 160–319 ton **M90**

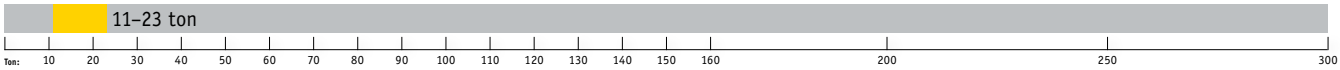


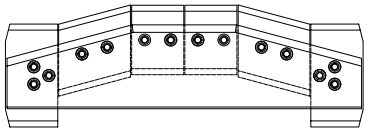
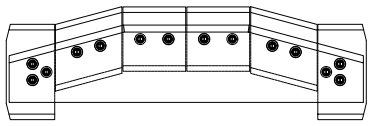
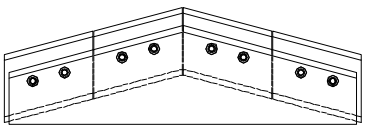
Cuting Edges Spade	PC	Art.no.	Description	Dimension	Weight
	1	161048	Cutting Edge M90 1bolt Delta 6T w/Side Edges	3780 x 1000/760 x 120	3 332,0
	4	162015	Tooth M90 1bolt Penetration	1500 x 348 x 120	398,0
	1	162016	Tooth M90 1bolt Penetration R Cor	1500 x 490 x 120	529,0
	1	162017	Tooth M90 1bolt Penetration L Cor	1500 x 490 x 120	529,0
	1	163103	Front List C	740 x 210 x 120	92,0
	2	163104	Front List L/R	1667 x 210 x 120	180,0
	1	172757	Corner Protector R	651 x 576 x 120	93,0
	1	172758	Corner Protector L	651 x 576 x 120	93,0
	24	160114	Ball Dowel Ø80 M90 1bolt	80 x 80 x 80	2,1
	6	160031H	Bolt M90 x 213 Hole	M90 x 213	11,3
 Assy 300181	4	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160031H	Bolt M90 x 213 Hole	M90 x 213	11,3
Ball Dowel	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
Included in Cutting Edge	A	160114	Ball Dowel Ø80 M90 1bolt	80 x 80 x 80	2,1
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160045	Thread pin M90	270 x 100 x 100	5,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

It is recommended to use Hydraulic Torque Tool to loosen and torque up the bolts.

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

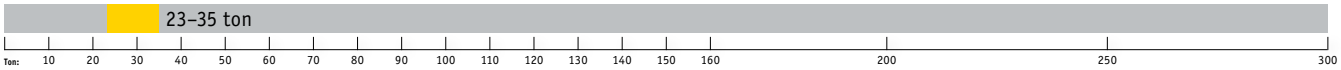
System for Underground 11–23 ton **M36**

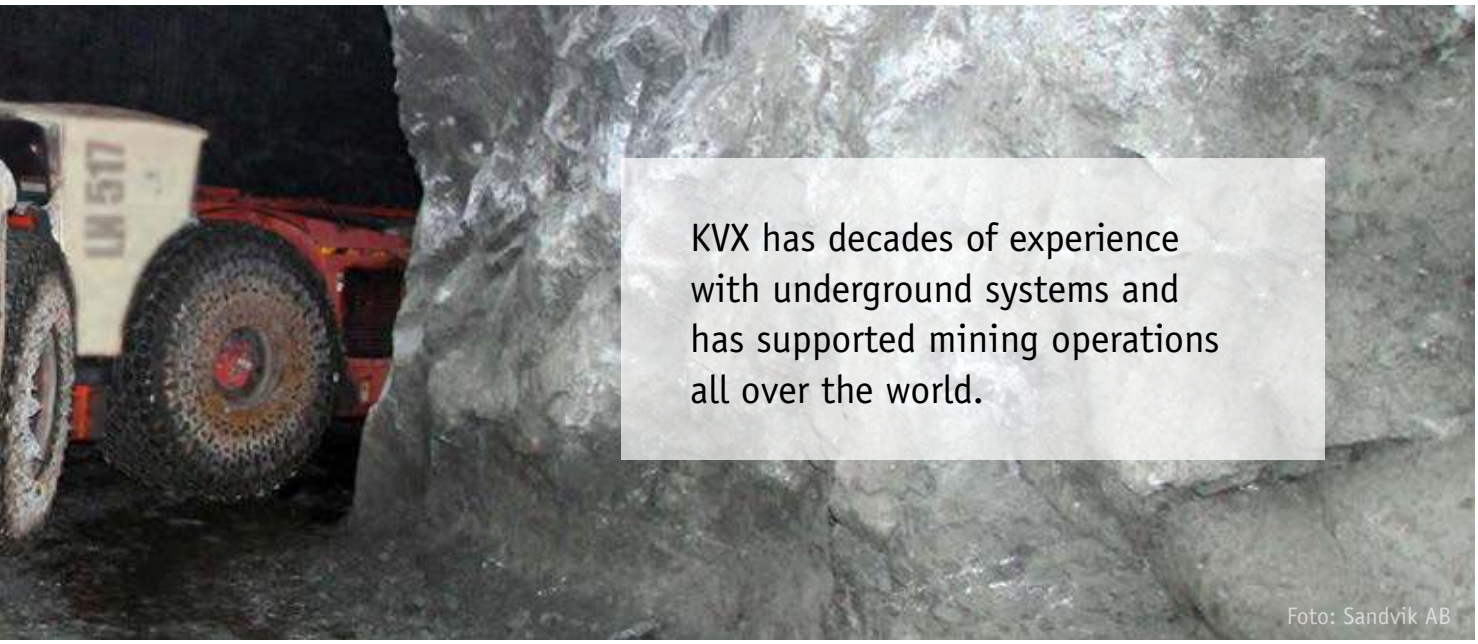


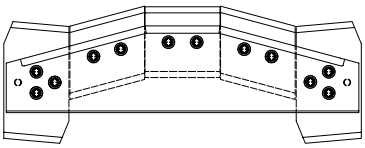
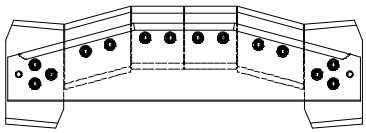
Cutting Edge Spade	PC	Art.no.	Description	Dimension	Weight
	1	176792	Cutting Edge M36 Delta 6W	2040 x 483 x 45	279,0
	2	166115	Wear Plate M36 C 2h Rev	400 x 400 x 35	31,0
	1	166116	Wear Plate M36 R 2h Rev	428 x 400 x 35	45,0
	1	166117	Wear Plate M36 L 2h Rev	428 x 400 x 35	45,0
	2	166126	Wear Plate M36 Cor 3h Rev	301 x 592 x 40	53,0
	14	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300388	14	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
	1	176779	Cutting Edge M36 Delta 6W	2200 x 480 x 45	307,0
	1	166116	Wear Plate M36 R 2h Rev	428 x 400 x 35	45,0
	1	166117	Wear Plate M36 L 2h Rev	428 x 400 x 35	45,0
	2	166126	Wear Plate M36 Cor 3h Rev	301 x 592 x 40	53,0
	2	166128	Wear Plate M36 C 2h Rev	390 x 400 x 35	40,0
	14	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Assy 300601	14	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,0
Cutting Edge Pointed	**PC**	**Art.no.**	**Description**	**Dimension**	**Weight**
	1	137161	Cutting Edge M36 Pointed 4W	2120 x 600 x 40	302,0
	2	137236	Wear Plate M36 R 2h Rev	537 x 400 x 35	61,0
	2	137237	Wear Plate M36 L 2h Rev	537 x 400 x 35	61,0
Assy 300602	8	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010637	Spanner M36	M36 x 500	5,4
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010682	Thread pin M36	160 x 40 x 40	0,7
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

System for Underground 23–35 ton **M48**





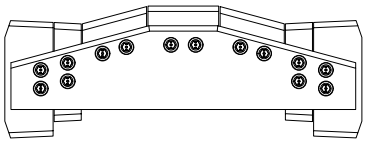
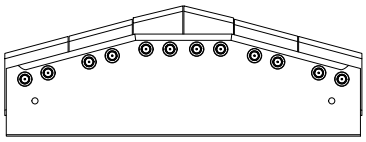
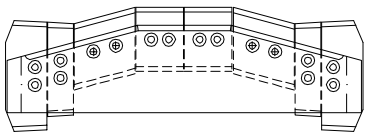
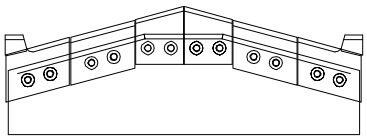
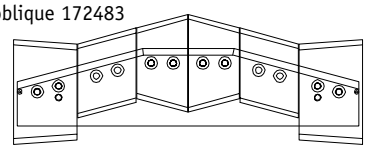
Forstykke Rett	PC	Art.no.	Description	Dimension	Weight
	1	168000	Cutting Edge M48 Delta 5W	2490 x 613 x 50	466,0
	1	166129	Wear Plate M48	530 x 500 x 45	88,0
	1	138352	Wear Plate M48 R 2h Rev	527 x 500 x 45	96,0
	1	138353	Wear Plate M48 L 2h Rev	527 x 500 x 45	96,0
	1	172008	Wear Plate M48 R Cor 2h Rev	460 x 860 x 45	130,0
	1	172009	Wear Plate M48 L Cor 2h Rev	460 x 860 x 45	130,0
	12	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
Assy 300603	12	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
	1	176571	Cutting Edge M48 Delta 6W	2800 x 617 x 50	538,0
	1	172008	Wear Plate M48 R Cor 2h Rev	460 x 860 x 45	130,0
	1	172009	Wear Plate M48 L Cor 2h Rev	460 x 860 x 45	130,0
	1	138352	Wear Plate M48 R 2h Rev	527 x 500 x 45	96,0
	1	138353	Wear Plate M48 L 2h Rev	527 x 500 x 45	96,0
Consider to use	2	172032	Wear Plate M48 C 2h Rev	413 x 500 x 45	70,0
340057 (M60 system)	14	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
Assy 300604	14	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,1
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
	A	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010638	Spanner M48	600 x 120 x 63	9,1
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010683	Thread pin M48	200 x 60 x 60	1,5
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

PC: Number of parts included in the system ● Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

System for Underground 35–70 ton **M60**

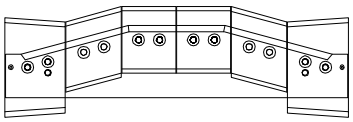
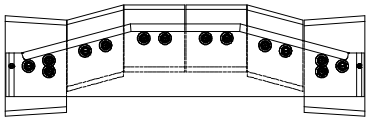
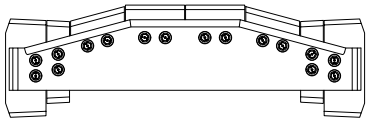
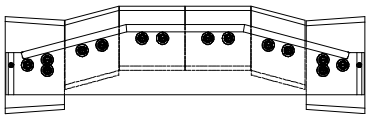
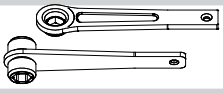
35–70 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300

Cutting Edge Spade	PC	Art.no.	Description	Dimension	Weight
	1	340057	Cutting Edge M60 Delta 7W	2800 x 680/380 x 60	682,0
	2	420126	Wear Plate M60 Cor 2h Rev	412 x 953/923 x 50	144,0
	1	172889	Wear Plate M60 R 2h Rev	539 x 550 x 50	108,0
	1	166224	Wear Plate M60 C 2h Rev	574 x 630 x 45	122,0
	1	172890	Wear Plate M60 L 2h Rev	539 x 550 x 50	108,0
	2	172888	Wear Plate M60 Cor 2h Rev	220 x 805 x 50	64,0
	14	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Assy 300069	14	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	131781	Cutting Edge M60 Delta 6W	2950 x 850/563 x 60	978,0
	2	138960	Wear Plate M60 Cor 2h Rev	413 x 720 x 45	90,0
	2	138924	Wear Plate M60 R 2h Rev	527 x 500 x 45	87,0
	2	138925	Wear Plate M60 L 2h Rev	527 x 500 x 45	93,0
Assy 300163	12	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	1	171192	Cutting Edge M60 Delta 8W	3040 x 750 x 50	710,0
	2	420126	Wear Plate M60 Cor 2h Rev	412 x 953/923 x 50	144,0
	1	172889	Wear Plate M60 R 2h Rev	539 x 550 x 50	108,0
	2	172891	Wear Plate M60 2h Rev	408 x 550 x 50	81,0
	1	172890	Wear Plate M60 L 2h Rev	539 x 550 x 50	108,0
	2	172888	Wear Plate M60 Cor 2h Rev	220 x 805 x 50	64,0
	16	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Assy 300605	16	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	176879	Cutting Edge M60 Delta 5W FL	3040 x 736 x 60	817,0
	1	172035	Wear Plate M60 R 2h	573 x 400 x 45	81,0
	1	172036	Wear Plate M60 L 2h	573 x 400 x 45	81,0
	1	131257	Wear Plate M60 R 2h	413 x 500 x 45	63,0
	1	131258	Wear Plate M60 L 2h	413 x 500 x 45	63,0
	1	138860	Wear Plate/Tooth M60 R Cor	587 x 560 x 55	91,0
	1	138861	Wear Plate/Tooth M60 L Cor	587 x 560 x 55	91,0
	1	163409	Front List C	735 x 120 x 60	25,0
	2	163410	Front List L/R	1220 x 141 x 60	45,0
(Assy 300541 has Rev. Wear plates)	12	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
Assy 300191	12	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	1	176507	Cutting Edge M60 Delta 6W	3100 x 704 x 60	797,0
Choose one of these wear plates at	2	172483	Wear Plate M60 2h Rev	460 x 884 x 45	113,0
at the center. Straight 172832 or	2	172832	Wear Plate M60 2h Rev	460 x 640 x 45	102,0
oblique 172483	1	172070	Wear Plate M60 R 2h Rev	527 x 650 x 45	120,0
	1	172071	Wear Plate M60 L 2h Rev	527 x 650 x 45	120,0
	2	172963	Wear Plate M60 L/R Cor 3h Rev	577 x 950 x 50	197,0
	12	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
Assy 300078	12	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4

35–70 ton

Ton: 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 200 250 300

	1	176530	Cutting Edge M60 Delta 6W,	3260 x 704 x 60	803,0
	2	172837	Wear Plate M60 2h Rev	515 x 640 x 45	114,0
	1	172070	Wear Plate M60 R 2h Rev	527 x 650 x 45	120,0
	1	172071	Wear Plate M60 L 2h Rev	527 x 650 x 45	120,0
	2	172963	Wear Plate M60 L/R Cor 3h Rev	577 x 950 x 50	197,0
	12	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Assy 300525	12	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	176851	Cutting Edge M60 Delta 6W,	3380 x 684 x 60	840,0
	2	172963	Wear Plate M60 L/R Cor 3h Rev	577 x 950 x 50	197,0
	1	172070	Wear Plate M60 R 2h Rev	527 x 650 x 45	120,0
	1	172071	Wear Plate M60 L 2h Rev	527 x 650 x 45	120,0
Consider to use the	2	166224	Wear Plate M60 C 2h Rev	574 x 630 x 45	122,0
system 340039	12	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Assy 300524	12	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	340039	Cutting Edge M60 Delta 8W,	3410 x 684/410 x 60	842,0
	2	420126	Wear Plate M60 Cor 2h Rev	412 x 953/923 x 50	144,0
	1	172889	Wear Plate M60 R 2h Rev	539 x 550 x 50	108,0
	2	166224	Wear Plate M60 C 2h Rev	574 x 630 x 45	122,0
	1	172890	Wear Plate M60 L 2h Rev	539 x 550 x 50	108,0
	2	172888	Wear Plate M60 Cor 2h Rev	220 x 805 x 50	64,0
	16	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Assy 300045	16	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
	1	176821	Cutting Edge M60 Delta 6W,	3500 x 684 x 60	877,0
	2	172963	Wear Plate M60 L/R Cor 3h Rev	577 x 950 x 50	197,0
	1	172070	Wear Plate M60 R 2h Rev	527 x 650 x 45	120,0
	1	172071	Wear Plate M60 L 2h Rev	527 x 650 x 45	120,0
	2	166179	Wear Plate M60 C 2h Rev	638 x 630 x 45	135,0
	12	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Assy 300523	12	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,2
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
Spanner	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	M60 x 727	15,2
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,0
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010684	Thread pin M60	210 x 80 x 80	2,3
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

KVX TEETH

The excavator system is available for machines from 0,5 to 300 tons. Standard elements are widely used, but we tailor-make solutions when required. Any machine, from mini-excavators to giants, can be equipped with our wear-resistant components.

The so-called «milk-teeth» is a simple and very reliable wear protection. Easy to change in the field without any welding.

(The picture shows KVX M60 Penetratjon teeth)

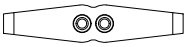
Teeth from M-16 to M-90 system size

STANDARD: Our most popular tooth – a multi-purpose model.

PENETRATION: The optimal choice whenever extended life and penetration is required.

M-16: An excellent choice for mini escavators. Combined with a planner plate, this is a unique universal solution.

Overview teeth - Excavator 2-bolts **M16-M68**

Tooth M16 Excavator		*)	Art.no.	Description	Dimension	Weight
c/c 50		A	131201	Tooth M16 STD Rev	310 x 70 x 23	1,6
Tooth M20 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 65		A	131200	Tooth M20 STD Rev	400 x 76 x 30	3,9
		B	174765	Tooth M20 Rev	400 x 80 x 30	4,8
Tooth M27 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 80		A	131202	Tooth M27 STD Rev 600BR	500 x 95 x 40	7,9
		A	131220	Tooth M27 Stone Rev 600BR	500 x 95 x 40	10,0
		B	171897	Tooth M27 Tiger Rev 600BR	500 x 95 x 40	5,5
Tooth M36 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 100		A	131203	Tooth M36 STD Rev 600BR	620 x 123 x 54	19,0
		A	131221	Tooth M36 Stone Rev 600BR	620 x 123 x 54	23,0
		B	171951	Tooth M36 Tiger Rev 600BR	620 x 123 x 54	15,0
Tooth M48 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 125		A	131206	Tooth M48 STD Rev 600BR	800 x 150 x 67	34,0
		A	131222	Tooth M48 Stone Rev 600BR	830 x 150 x 72	41,0
		B	171952	Tooth M48 Tiger Rev 600BR	830 x 150 x 65	28,0
		A	171921	Tooth M48 Penetration Rev	850 x 150 x 70	53,0
Tooth M48/52 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 150		A	137517	Tooth M48/52 Stone Rev	950 x 170 x 70	83,0
		A	137518	Tooth M48/52 STD Rev	950 x 185 x 70	65,0
		A	174773	Tooth M48/52 Penetration	950 x 185 x 70	62,0
Tooth M52 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 140		C	440029	Tooth M52 Penetration	1100 x 200 x 70	91,0
Tooth M60 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 150		A	131226	Tooth M60 Stone Rev	1100 x 220 x 70	127,0
		A	440010	Tooth M60 Ripper Rev	1140 x 220 x 80	79,0
		C	440004	Tooth M60 Penetration 600HB	1200 x 250/130 x 70	121,5
		A	171848	Tooth M60 Stone Rev	1300 x 250 x 80	193,0
Tooth M68 Excavator		***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
c/c 175		A	171827	Tooth M68 Penetration Rev	1400 x 250 x 80	156,0

A: In stock | B: In stock, outgoing product | C: Delivery on request

Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

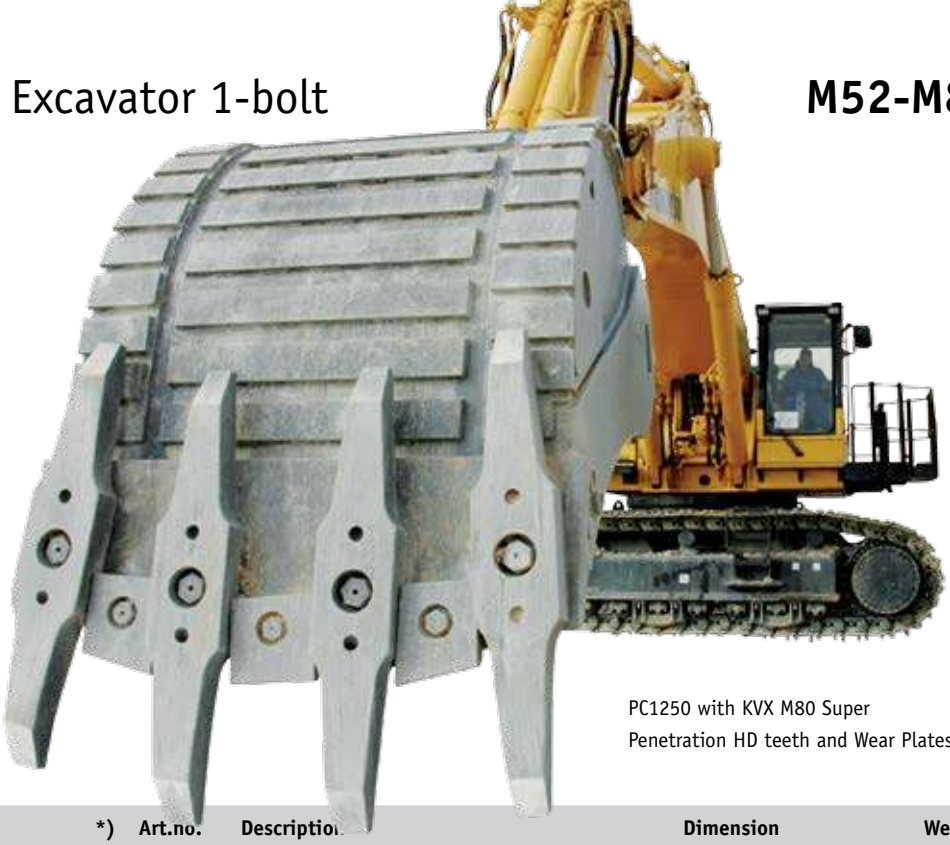
Information regarding amount of teeth per pallet

131200	Tooth M20 Standard Rev	400 x 76 x 30	100
131201	Tooth M16 Standard Rev	310 x 70 x 23	100
131202	Tooth M27 Standard Rev 600BR	500 x 95 x 40	60
131203	Tooth M36 Standard Rev 600BR	620 x 123 x 54	27
131206	Tooth M48 Standard Rev 600BR	800 x 150 x 67	15
131220	Tooth M27 Stone Rev 600BR	500 x 95 x 40	15
131221	Tooth M36 Stone Rev 600BR	620 x 123 x 54	30
131222	Tooth M48 Stone Rev 600BR	830 x 150 x 72	15
131226	Tooth M60 Stone Rev	1100 x 220 x 70	6
137517	Tooth M48/52 Stone Rev	950 x 170 x 70	10
137518	Tooth M48/52 Standard Rev	950 x 185 x 70	9
171827	Tooth M68 Penetration Rev	1400 x 250 x 80	6

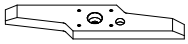
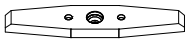
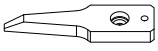
Art.no.	Description	Dimension	PC per pallet
171848	Tooth M60 Stone Rev	1300 x 250 x 80	4
171897	Tooth M27 Tiger Rev 600BR	500 x 95 x 40	60
171921	Tooth M48 Penetration Rev	850 x 150 x 70	15
171951	Tooth M36 Tiger Rev 600BR	620 x 123 x 54	33
171952	Tooth M48 Tiger Rev 600BR	830 x 150 x 65	15
174765	Tooth M20 Rev	400 x 80 x 30	100
174773	Tooth M48/52 StoneTorpedo	950 x 185 x 70	8
440004	Tooth M60 Penetration 600HB	1200 x 250/130 x 70	6
440010	Tooth M60 Ripper Rev	1140 x 220 x 80	6
440029	Tooth M52 Pen	1100 x 200 x 70	6

Overview Teeth - Excavator 1-bolt

M52-M80



PC1250 with KVX M80 Super Penetration HD teeth and Wear Plates.

Tooth M52 1-bolt Excavator	*)	Art.no.	Description	Dimension	Weight
NEW MODEL!	A	440085	Tooth M52 1bolt Penetration 600HBW	1050 x 200 x 71	74,0
	A	162095	Tooth M52 1bolt Stone HD	1050 x 220 x 70	122,0
	C	162090	Tooth M52 1bolt Penetration	1060 x 200 x 70	71,0
	C	162092	Tooth M52 1bolt Penetration R Cor	1060 x 210 x 70	84,0
	C	162093	Tooth M52 1bolt Penetration L Cor	1060 x 210 x 70	84,0
	A	162094	Tooth M52 1bolt Ripper	1150 x 210 x 70	72,0
Tooth M60 1-bolt Excavator	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	174681	Tooth M60 1bolt Penetration	1000 x 245/125 x 80	104,0
	C	162063	Tooth M60 1bolt Penetration R Cor	1000 x 250 x 80	108,0
	C	162064	Tooth M60 1bolt Penetration L Cor	1000 x 250 x 80	108,0
	C	162009	Tooth M60 1bolt Stone 600HB	1100 x 250 x 80	158,4
NEW MODEL!	A	440086	Tooth M60 1bolt Penetration 600HBW	1200 x 250 x 87	124,0
	C	162018	Tooth M60 1bolt Penetration	1300 x 245/120 x 90	155,0
	A	174710	Tooth M60 1bolt Ripper	1300 x 250/40 x 90	119,0
	C	162061	Tooth M60 1bolt Penetration R Cor	1300 x 265 x 90	168,0
	C	162062	Tooth M60 1bolt Penetration L Cor	1300 x 265 x 90	168,0
Tooth M68 1-bolt Excavator	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
NEW MODEL!	C	440116	Tooth M68 1bolt Penetration 600HBW	1200 x 250 x 87	124,0
	A	162025	Tooth M68 1bolt Penetration	1345 x 250 x 90	186,0
	A	162007	Tooth M68 1bolt Ripper	1345 x 250 x 90	145,0
	A	162069	Tooth M68 1bolt Penetration R Cor	1345 x 270 x 90	176,0
	A	162070	Tooth M68 1bolt Penetration L Cor	1345 x 270 x 90	176,0
	A	162027	Tooth M68 1bolt Stone	1380 x 250 x 90	232,0
	C	162043	Tooth M68 1bolt Penetration	1500 x 250 x 90	206,0
Tooth M80 1-bolt Excavator	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	162081	Tooth M80 1bolt Penetration	1650 x 300 x 100	285,0
	A	162085	Tooth M80 1bolt Penetration R Cor	1650 x 330 x 100	306,0
	A	162086	Tooth M80 1bolt Penetration L Cor	1650 x 330 x 100	306,0
	C	162099	Tooth M80 1bolt Ripper	1850 x 300 x 120	278,0
	C	440012	Tooth M80 1bolt Ripper SE	1200 x 300 x 120	208,0

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Overview Teeth - Front Shovel 1-bolt

M68-M90

O&K 120 RH, 220 ton

Teeth M68 1-bolt Face Shovel	*)	Art.no.	Description	Dimension	Weight
	C	162100	Tooth M68 1bolt Penetration	1000 x 280 x 90	158,0
	C	162102	Tooth M68 1bolt Penetration R Cor	1000 x 330 x 90	188,0
	C	162103	Tooth M68 1bolt Penetration L Cor	1000 x 330 x 90	188,0
Teeth M80 1-bolt Face Shovel	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	162082	Tooth M80 1bolt Penetration C	1300 x 300 x 120	315,0
	B	162083	Tooth M80 1bolt Penetration R Cor	1300 x 435 x 120	430,0
	B	162084	Tooth M80 1bolt Penetration L Cor	1300 x 435 x 120	430,0
Teeth M90 1-bolt Face Shovel	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	162015	Tooth M90 1bolt Penetration	1500 x 348 x 120	398,0
	C	162016	Tooth M90 1bolt Penetration R Cor	1500 x 490 x 120	529,0
	C	162017	Tooth M90 1bolt Penetration L Cor	1500 x 490 x 120	529,0

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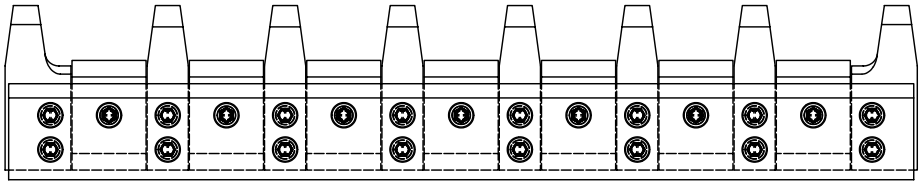
Overview Teeth - Wheel Loader Single End (SE) **M12-M68**



Penetation tooth

Reversible corner tooth

Stone tooth

Corner tooth

For mini machine

Wedge tooth

(The pictures shows the main types of tooth in our sortiment.)

Tooth M12 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	131208	Tooth M12 Cranked	180 x 60 x 12	0,7
Tooth M16 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	131209	Tooth M16 Cranked	270 x 70 x 23	1,1
Tooth M20 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	131216	Tooth M20 Cranked	300 x 76 x 29	3,2
Tooth M27 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	131210	Tooth M27 Cranked	370 x 95 x 36	5,8
	C	138460	Tooth M27 Penetration	380 x 90 x 36	10,0
	C	174675	Tooth M27 Penetration	400 x 120 x 35	12,0
	C	174676	Tooth M27 Penetration R Cor	400 x 176 x 35	16,0
	C	174677	Tooth M27 Penetration L Cor	400 x 176 x 35	16,0
Tooth M36 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	131211	Tooth M36 Cranked	125 x 50	13,5
	C	138394	Tooth M36	480 x 100 x 45	17,0
	A	171967	Tooth M36 Penetration	480 x 130 x 45	18,0
	A	174590	Tooth M36 R Cor	480 x 190 x 45	26,0
	A	174591	Tooth M36 L Cor	480 x 190 x 45	26,0
Tooth M48 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	B	131212	Tooth M48 Cranked	600 x 150 x 63	27,0
	A	138619	Tooth M48 STD	600 x 120 x 60	31,5
	A	171830	Tooth M48 Penetration	600 x 150 x 60	36,0
	A	137054	Tooth M48 R Cor	600 x 220 x 60	52,0
	A	137055	Tooth M48 L Cor	600 x 220 x 60	52,0
	A	174756	Tooth M48 Stone	700 x 150 x 60	47,0
	A	174757	Tooth M48 Stone R Cor	700 x 240 x 60	67,0
	A	174758	Tooth M48 Stone L Cor	700 x 240 x 60	67,0

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Overview Teeth - Wheel Loader Single End (SE) **M12-M68**

Tooth M60 Single End (SE) WL	*)	Art.no.	Description	Dimension	Weight
	B	138476	Tooth M60 Stone	775 x 220 x 70	89,0
	B	138475	Tooth M60 Stone 600HB	775 x 250 x 70	106,0
	A	137367	Tooth M60 Penetration	825 x 220 x 70	91,0
	C	174632	Tooth M60 Stone w/Wedge	825 x 250 x 70	110,0
	A	171847	Tooth M60 Penetration	825 x 250 x 70	100,0
	A	171843	Tooth M60 Penetration R Cor	825 x 355 x 70	125,0
	A	171844	Tooth M60 Penetration L Cor	825 x 355 x 70	125,0
Tooth M68 Single End (SE) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	171842	Tooth M68 Penetration	850 x 250 x 80	125,0
	A	171840	Tooth M68 Penetration R Cor	850 x 370 x 80	160,0
	A	171841	Tooth M68 Penetration L Cor	850 x 370 x 80	160,0

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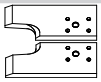
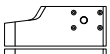
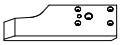
Overview Teeth - Wheel Loader Reversible **M36-M60**

Tooth M36 Reversible (REV) WL	*)	Art.no.	Description	Dimension	Weight
	C	171800	Tooth M36 Cor Rev	720 x 190 x 45	38,0
	C	174592	Tooth M36 Penetration Rev	720 x 130 x 45	29,0
Tooth M48 Reversible (REV) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	171936	Tooth M48 Cor Rev	925 x 220 x 60	73,0
	C	137332	Tooth M48 Stone Rev	925 x 120 x 60	52,0
Tooth M48 Reversible (REV) WL	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	171917	Tooth M60 Stone Rev	1300 x 220 x 70	140,0
	C	171947	Tooth M60 Penetration Rev	1300 x 250 x 70	145,0
	C	171918	Tooth M60 Penetration Cor Rev	1300 x 355 x 70	198,0

Overview Teeth - Wheel Loader 1-bolt **M60-M80**

CAT992G with KVX M68 1-bolt system for wheel loaders.

Tooth M60 Wheel loader 1-bolt	*)	Art.no.	Description	Dimension	Weight
	A	162161	Tooth M60 1bolt Penetration R Cor	870 x 360 x 70	146,0
	A	162162	Tooth M60 1bolt Penetration L Cor	870 x 360 x 70	146,0
Tooth M68 Wheel loader 1-bolt	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	162171	Tooth M68 1bolt Penetration	1001 x 280 x 90	171,5
	A	162172	Tooth M68 1bolt Penetration R Cor	1001 x 390 x 90	232,0
	A	162173	Tooth M68 1bolt Penetration L Cor	1001 x 390 x 90	232,0
Tooth M80 Wheel loader 1-bolt	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	162195	Tooth M80 1bolt Penetration C	1250 x 348 x 100	274,0
	C	162196	Tooth M80 1bolt Penetration R Cor	1250 x 400 x 100	340,0
	C	162197	Tooth M80 1bolt Penetration L Cor	1250 x 400 x 100	340,0

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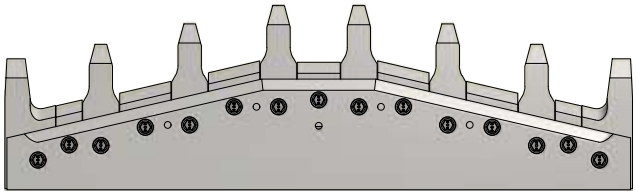
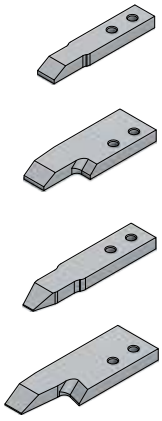
Overview Teeth - Limestone

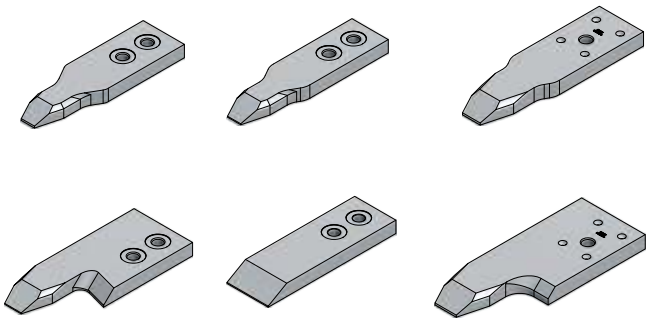
M48-M68



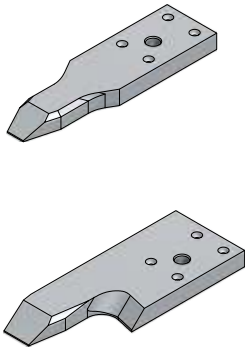
M48



M60



M68



Tooth 1-bolt	*)	Art.no.	Description	Dimension	Weight
	C	440074	Tooth M60 1bolt Limestone	850 x 250 x 70	97,0
	C	440075	Tooth M60 1bolt R Cor Limestone	870 x 360 x 70	135,0
	C	440076	Tooth M60 1bolt L Cor Limestone	870 x 360 x 70	135,0
	A	440056	Tooth M68 1bolt Limestone	1000 x 280 x 80	139,0
	A	440057	Tooth M68 1Bolt R Cor Limestone	1000 x 390 x 80	183,0
	A	440058	Tooth M68 1bolt L Cor Limestone	1000 x 390 x 80	183,0
Tooth 2-bolt	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	440046	Tooth M48 Limestone	600 x 120 x 60	30,0
	C	440047	Tooth M48 R Cor Limestone	600 x 220 x 60	51,0
	C	440048	Tooth M48 L Cor Limestone	600 x 220 x 60	51,0
	C	440049	Tooth M48 Limestone	700 x 150 x 60	44,0
	C	440050	Tooth M48 R Cor Limestone	700 x 240 x 60	64,0
	C	440051	Tooth M48 L Cor Limestone	700 x 245 x 60	63,0
	C	440052	Tooth M60 Limestone	825 x 220 x 70	81,0
	C	440053	Tooth M60 R Cor Limestone	825 x 355 x 70	119,0
	C	440054	Tooth M60 L Cor Limestone	825 x 355 x 70	119,0
	C	440055	Tooth M60 Limestone	825 x 250 x 70	93,0
	C	171846	Tooth M60 Limestone	775 x 250 x 70	97,0

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BOLTS

Dimen-sion	Tool		DOWELLED PARTS		NON-DOWELLED PARTS	
			Angle	*Torque*	*Angle*	*Torque*
M16	Hand power	60°	-	-	-	250 Nm
M20	Sledgehammer 1-2 kg	90°	-	-	-	500 Nm
M27	Sledgehammer 3-4 kg	105°	-	-	60°	1500 Nm
M36	Sledgehammer 8-10 kg/Spanner stand	120°	-	-	60°	3000 Nm
M48	Spanner stand or Hydraulic tool [1]	150°	-	-	90°	7500 Nm
M52	Spanner stand or Hydraulic tool [1]	180°	150°	12000 Nm	105°	10500 Nm
M60	Spanner stand or Hydraulic tool [1]		180°	18000 Nm	120°	15000 Nm
M68	Spanner stand or Hydraulic tool [1]		180°	26500 Nm	120°	22500 Nm
M80	Spanner stand or Hydraulic tool [1]		180°	44000 Nm	150°	37000 Nm
M90	Hydraulic tool [1]		180°	65000 Nm	150°	52000 Nm
M100	Hydraulic tool [1]		180°	89000 Nm	150°	73000 Nm

1) Instructions for KVX's own hydraulic tools available separately.

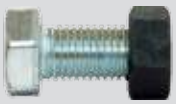
Attention!

In order to reach the right torque when tightening KVX bolts, we always recommend using KVX recommended grease. Apply grease to threads and cones, both on bolts and on the cutting edge. When installing used equipment and when turning teeth/wear plates, it is critical that all surfaces are thoroughly cleaned using wire brush and scraper.

Conversion table, inch to millimeter

1/2	12.7
5/8	15.875
3/4	19.05
7/8	22.225
1	25.4
1 1/4	31.75
1 3/8	34.925
1 1/2	38.1
2	50.8
3	76.2
4	101.6
5	127
6	152.4
10	254
12	304.8

Plowbolts



031855

160075

138601

160076

138602

160090

138690

160025

138695

015939

Bolts

KVX Bolts M16 - M100	*)	Art.no.	Description	Dimension	Weight
	A	035067	Bolt M16 w/nut	M16	0,2
	A	035065	Bolt M20 x 45	M20 x 50	0,1
	A	035068	Bolt M27 x 58	M27 x 58	0,3
	A	035073H	Bolt M36 x 73 Hole	M36 x 73	0,5
	A	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3
	A	035076H	Bolt M48 x 96 Hole	M48 x 96	1,3
	A	138809H	Bolt M48 x 105 Hole	M48 x 105	1,6
	A	035052H	Bolt M52 x 111 Hole	M52 x 111	1,8
	A	035079H	Bolt M60 x 101 Hole	M60 x 101	2,4
	A	035077H	Bolt M60 x 118 Hole	M60 x 118	2,9
	A	035078H	Bolt M60 x 133 Hole	M60 x 133	3,1
	A	135092H	Bolt M68 x 128 Hole.	M68 x 128	3,7
	A	035092H	Bolt M68 x 147 Hole	M68 x 147	4,3
	A	160030H	Bolt M80 x 175 Hole	M80 x 175	8,0
	A	160031H	Bolt M90 x 213 Hole	M90 x 213	11,3
	B	035095	Bolt M100 x 236,5	M100 x 236,5	15,3

Attention!

In order to reach the right torque when tightening KVX bolts, we always recommend using KVX recommended grease. Apply grease to threads and cones, both on bolts and on the cutting edge. When installing used equipment and when turning teeth/wear plates, it is critical that all surfaces are thoroughly cleaned using wire brush and scraper.

Plow bolts ¾" - 1 ¼"	*)	Art.no.	Description	Dimension	Weight
	A	160025	Plow Bolt w/nut - ¾" x 2 ½" - 12.9	3/4" x 2 1/2"	0,2
	A	160038	Plow Bolt w/nut - 7/8" x 3" - 12.9	7/8" x 3"	0,4
	A	138695	Plow Bolt w/nut 1" x 2½" - 12.9	1" x 2 1/2"	0,5
	A	160075	Plow Bolt w/nut 1" x 2 ¾ " - 12.9	1" x 2 3/4"	0,4
	A	138690	Plow Bolt w/nut 1" x 3" - 12.9	1" x 3"	0,5
	A	160090	Plow Bolt w/nut 1" x 3 ¼" - 12.9	1" x 3 1/4"	0,5
	A	310000	Plow Bolt w/nut 1" x 3 ½" - 12.9	1" x 3 1/2"	0,5
	A	160116	Plow Bolt w/nut 1" x 4" - 12.9	1" x 4"	0,6
	A	160076	Plow Bolt w/nut 1 ¼" x 3 ¼" -12.9	1 1/4" x 3 1/4"	0,9
	A	138601	Plow Bolt w/nut 1 ¼" x 3 ¾" - 12.9	1 1/4" x 3 3/4"	1,0
	A	160106	Plow Bolt w/nut 1 ¼" x 5" - 12.9	1 1/4" x 5"	1,2
	A	310004	Nut ¾" 10 UNC	3/4" x 10 UNC x	0,1
	A	310003	Nut 7/8" 9 UNC	7/8" x 9 UNC x	0,1
	A	015939	Nut 1" 8 UNC	1" x 22mm	0,1
	A	310002	Nut 1 ¼" 7 UNC	1,25 x 7 UNC x	0,1

Plow bolts, millimeter	*)	Art.no.	Description	Dimension	Weight
	A	160196	Bolt M16 x 65 - 10.9	M16 x 65 FH	0,1
	C	310010	Bolt M20 x 70	M20 x 70	0,2
	C	310011	Bolt M20 x 75	M20 x 75	0,2
	C	310012	Bolt M24 x 65	M24 x 65	0,3
	C	310013	Bolt M24 x 80	M24 x 70	0,2
	A	310006	Nut M16	M16 x 27 x 15	0,0
	C	310007	Nut M20	M20 x	0,1
	C	310008	Nut M24	M24 x 19	0,1

Grease	*)	Art.no.	Description	Dimension	Weight
	A	010890	Grease 50 gr.		0,1
	A	010891	Grease 1 kg		1,0

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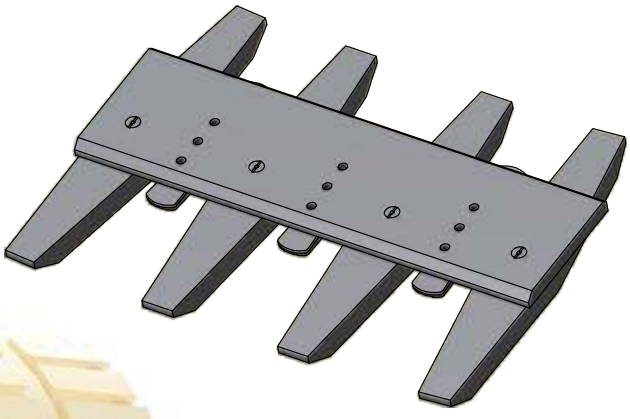
PROTECTORS



"Milk teeth"

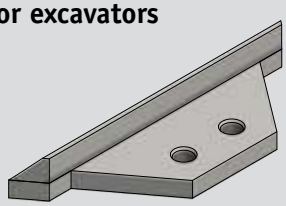
Milk teeth are used as wear protection of the lip edge.

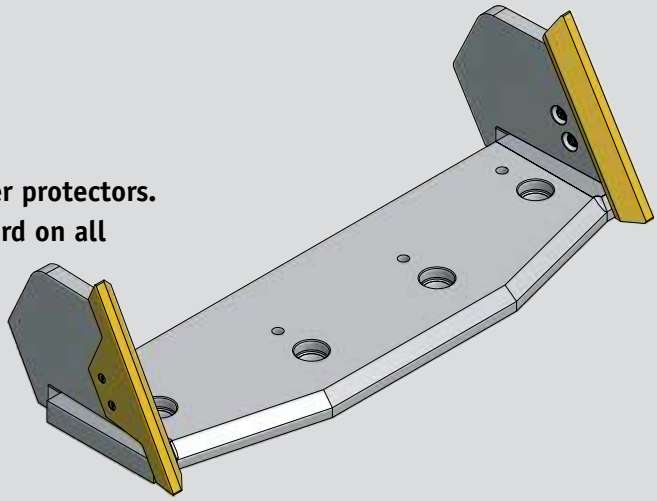
Milk teeth are standard teeth that are two sizes smaller. This means that on a M60 system there may be put on M36 standard teeth as milk teeth. New cutting edges are then made with three holes so that the milk teeth can be moved forward a notch for a maximum utilization of the teeth.

Bucket side corner protection

KVX delivers bucket side protectors and corner protectors. These can be tailor made, but they are standard on all KVX XHD buckets for excavators and wheel loaders.

For more information, please contact KVX.





Sideprotector	*)	Art.no.	Description	Dimension	Weight
	A	167620	Sideprotector M48	696 x 240 x 95	40,4
	C	320000	Sideprotector M48	977 x 270 x 120	72,9
Bolts	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	035075H	Bolt M48 x 84 Hole	M48 x 84	1,3

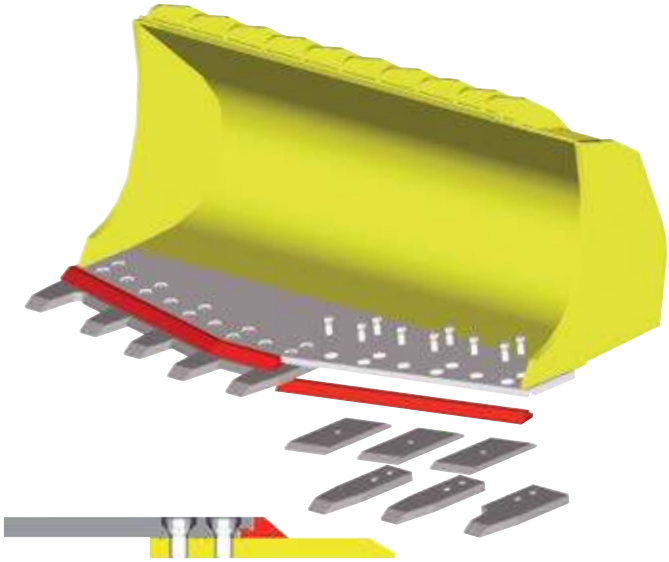
Front protectors

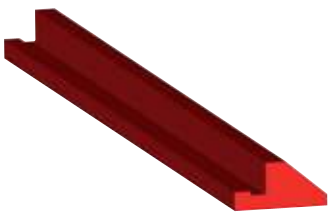
Front Protector system

The Front Protector has become very popular in conditions with high wear.

The Front Protector list is wedged between the lip and the bolt-on GET components (teeth or plate segments). A special bucket lip configuration is required, incorporating a machined “keyway”.

The KVX Front Protector is manufactured from Sagitta® 540 Brinell grade steel. A complex blend of alloying elements, and advanced hardening technology, provide uniform hardness and toughness throughout, resulting in excellent wear resistance, and the ability to withstand severe impact conditions without the risk of cracking.



Frontlist	*)	Art.no.	Description	Dimension	Weight
	A	353050	Front List Basic 50mm	1200 x 95 x 50	27,0
	A	353060	Front List Basic 60mm	1200 x 120 x 60	44,0
	A	353070	Front List Basic 70mm	1200 x 163 x 70	62,5
	A	353080	Front List Basic 80mm	1200 x 171 x 80	71,0
	A	353100	Front List Basic 100mm	1200 x 200 x 100	99,0
	A	353120	Front List Basic 120mm	1200 x 210 x 120	131,0

Note! *Note! All front protectors "mother lists" have a standard length of 1200mm.*

A: In stock | B: In stock, outgoing product | C: Delivery on request

Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

Wear Bars

Still using 500HB bars for wear resistance but 300~400HB bars for impact liners?

No need anymore! Thanks to a unique heat treatment process and special steel properties, KVX is able to harden its steel to a high Brinell (HBW) rating, while still enabling it to withstand high impact conditions *without cracking*.

KVX wear bars are used as protection on buckets, in dump truck bodies, and in a broad range of other applications where wear and impact protection is required. KVX Wear Bars are through hardened to 500 Brinell (HBW).

Turn the page for more info and product range!

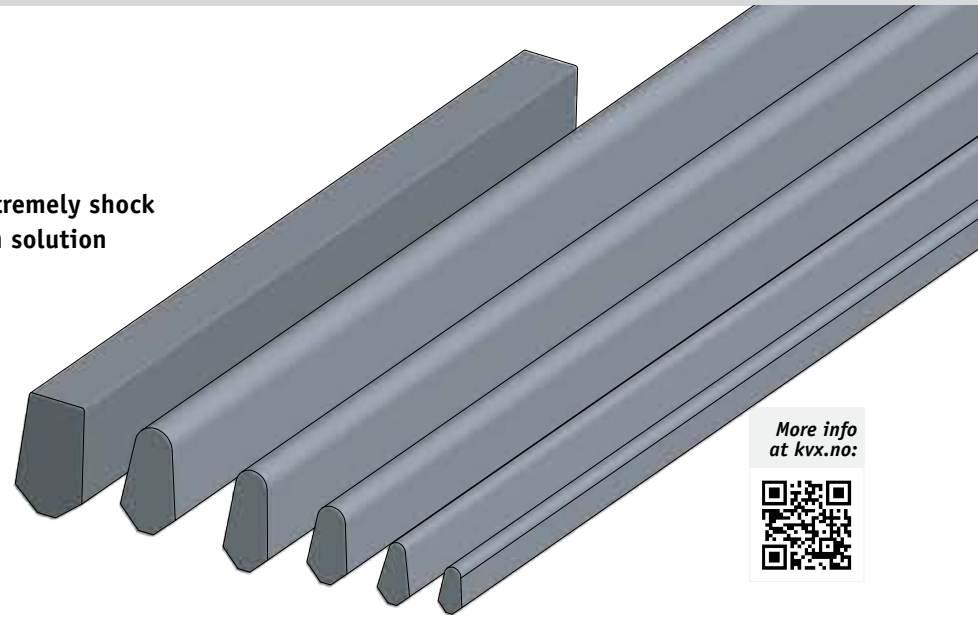
KVX Wear Bars are made in numerous dimensions:
Thickness from 10mm to 50mm and a large variety of widths.

More info at kvx.no:

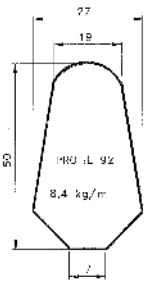
Grouser Bars

KVX Grouser Bars are 500 HBW quality, extremely shock and wear resistant; providing the optimum solution for Crawler Tractors working on hard and abrasive rock surfaces.

Their special design will ensure easy, quick and economical welding and provide superior penetration capabilities; restoring traction and improving fuel economy. KVX Grouser Bars are available in the length of 3 meters and can be cut to requested size upon request.



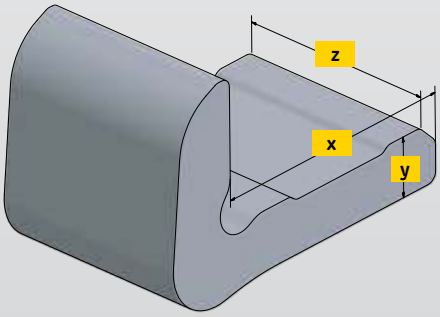
More info at kvx.no:

Grouser bars	*)	Art.no.	Description	Dimension	Weight unit	PC in Package
	C	167670	Grouser Bar 96	3000 x 30 x 65	36	25
	A	167690	Grouser Bar 98	3000 x 37 x 68	47,1	25
	A	167691	Grouser Bar 92	3000 x 27 x 50	25,2	25
	A	167692	Grouser Bar 78	3000 x 22 x 40	15,6	25
	A	167693	Grouser Bar 46	3000 x 16 x 30	8,4	25
	C	167695	Grouser Bar 100	3000 x 45 x 75	66	10

Heel Shrouds

KVX Heel shrouds are designed to protect high wear areas, such as the corner edges on excavator, loader, face shovel and LHD scoop tram buckets.

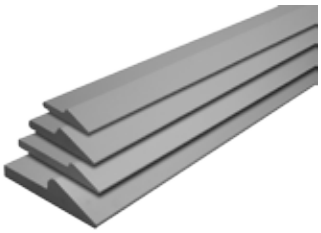
The Shrouds are made of original KVX Sagitta plate steel and through hardened to 500 Brinell. This provides a long wear life and superior wear protection when placed on the outside radius of the bucket. At 500HB, they are significantly harder than most cast welded alternatives.



Heel shrouds	*)	Art.no.	Description	Dimension	Weight unit
	A	167638	Heel Shroud 80mm	130 x 30 x 80	4,4
	A	167639	Heel Shroud 90mm	90 x 130 x 30	4,9
	A	167640	Heel Shroud 100mm	30 x 130 x 100	5,4
	A	167642	Heel Shroud 120mm	120 x 130 x 30	6,5
	C	330001	Heel Shroud 150mm (500064/65)	200 x 150 x 140	17,5

Note! *Heel Schrouds are subject to bulk pricing.*
Special conditions are given on orders of 100 pieces and more.

Half Arrow Profile

Half Arrow profiles	*)	Art.no.	Description	Dimension	Weight unit	PC in Package
	A	160230	Half Arrow Profile	3660 x 203 x 32	112,5	10
	A	177156	Half Arrow Profile	3000 x 101 x 21	29	10
	A	177166	Half Arrow Profile	3000 x 151 x 32	61	10
	A	177198	Half Arrow Profile	3660 x 254 x 68	325	5
	A	177199	Half Arrow Profile	3660 x 254 x 57	240	5

White iron

Laminite is designed to protect your equipment from high abrasion damage.

Laminite is a Combination of high chromium white iron metallurgically bonded to a mild steel backing plate. The white iron has a hardness that exceeds 600 Brinell providing incredible abrasion resistance protection to your equipment.

Chocky bars	*)	Art.no.	Description	Dimension	Weight unit
	C	160200	Chocky bar CB40	240 x 40 x 23	1,5
	C	160201	Chocky Bar CB65	240 x 65 x 23	2,4
Wear buttons	***)**	**Art.no.**	**Description**	**Dimension**	**Weight unit**
	C	160210	Wear Button WB75	Ø75 x 30	0,9
	C	160211	Wear Button WB90	Ø90 x 30	1,2

WEAR BARS

500 HBW

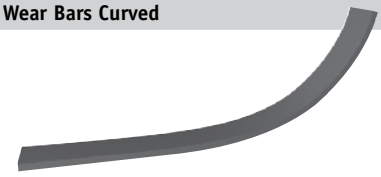
KVX wear bars are used as protection on buckets, in crushers, in dump truck bodies, and in a broad range of other applications where wear and impact protection is required. KVX Wear Bars are through hardened to 500 Brinell (HBW).

How we make the KVX Wear Bars

All KVX wear bars are made from quality Sagitta® steel and are completely through hardened to 500 Brinell. But that's not all. Two unique factors contribute to the unusually high balance of both "hardness" and "toughness":

The steel is the basic secret. Sagitta® features a complex blend of alloying elements which enhance it's structural properties after hardening. The hardening process itself is another. Over a century of experience, research and development has given KVX a leading position in hardening technology.

Sliteribber

Wear Bars Straight	*)	Art.no.	Description	Dimension	Weight
	A	135110	Wear Bar Straight	3100 x 70 x 10	17,0
	A	135115	Wear Bar Straight	3000 x 80 x 10	19,0
	A	135108	Wear Bar Straight	3000 x 100 x 10	24,0
	A	135097	Wear Bar Straight	1500 x 100 x 12	14,0
	A	135111	Wear Bar Straight	3000 x 100 x 12	28,5
	B	135100	Wear Bar Straight	6000 x 100 x 12	57,0
	A	135131	Wear Bar Straight	3000 x 120 x 15	42,0
	A	135112	Wear Bar Straight	3000 x 80 x 16	30,2
	A	135801	Wear Bar Straight	5800 x 80 x 16	58,0
	A	135101	Wear Bar Straight	6000 x 80 x 16	60,3
	A	135020	Wear Bar Straight	3000 x 110 x 16	41,0
	A	135117	Wear Bar Straight	3000 x 150 x 16	56,5
NOTE:	A	170047	Wear Bar Straight	3250 x 50 x 20	25,0
Other dimensions can be produced	A	135116	Wear Bar Straight	3000 x 80 x 20	37,5
on request.	A	135805	Wear Bar Straight	5800 x 80 x 20	72,5
	A	135113	Wear Bar Straight	3000 x 100 x 20	47,1
	A	135803	Wear Bar Straight	5800 x 100 x 20	91,0
	B	135082	Wear Bar Straight	6000 x 130 x 20	122,0
	A	135139	Wear Bar Straight	3000 x 153 x 20	72,0
	A	135118	Wear Bar Straight	3000 x 200 x 20	94,2
	C	167596	Wear Bar Straight	3000 x 50 x 25	30,0
	A	135114	Wear Bar Straight	3000 x 100 x 25	58,9
	A	135802	Wear Bar Straight	5800 x 100 x 25	114,0
	A	135102	Wear Bar Straight	6000 x 100 x 25	118,0
	A	135027	Wear Bar Straight	3000 x 130 x 25	77,0
	A	135122	Wear Bar Straight	6000 x 130 x 25	153,0
	A	135119	Wear Bar Straight	3000 x 150 x 25	88,4
	A	135127	Wear Bar Straight	3000 x 100 x 30	68,0
	A	135129	Wear Bar Straight	3000 x 130 x 30	92,0
	C	135123	Wear Bar Straight	6000 x 130 x 30	184,0
	A	135061	Wear Bar Straight	5000 x 100 x 40	157,0
	A	177330	Wear Bar Straight	5000 x 100 x 45	177,0
Cut to length	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	177354	Wear Bar Straight	1000 x 80 x 10	6,3
	C	330394	Wear bar straight	750 x 100 x 12	7,1
	C	330395	Wear bar straight	830 x 80 x 16	8,4
	A	135086	Wear Bar Straight	1000 x 80 x 16	9,2
	A	135084	Wear Bar Straight	1200 x 80 x 16	12,0
	C	330396	Wear bar straight	950 x 100 x 20	14,9
	A	135088	Wear Bar Straight	1000 x 100 x 20	15,7
	A	135089	Wear Bar Straight	1200 x 100 x 20	19,0
	A	135087	Wear Bar Straight	1000 x 100 x 25	19,6
	C	330397	Wear bar straight	1100 x 100 x 25	21,6
	A	135085	Wear Bar Straight	1200 x 100 x 25	23,5
	A	177113	Wear Bar Straight	1100 x 250 x 30	65,0
	C	135154	Wear Bar Straight	1000 x 100 x 50	38,0
Wear Bars Curved	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	138011	Wear Bar Curved	910 x 80 x 16	9,1
	A	137454	Wear Bar Curved	910 x 100 x 20	14,3
	A	138010	Wear Bar Curved	910 x 100 x 25	17,8
	A	177267	Wear Bar Curved	980 x 100 x 25	19,0
	A	138459	Wear Bar Curved	1000 x 100 x 25	19,6

Note! Most bars are delivered in bundles of 10 pieces.

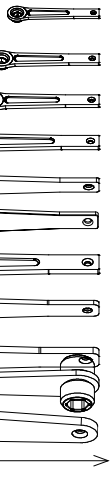
A: In stock | B: In stock, outgoing product | C: Delivery on request

Order: order@kvx.no or phone.: +47 51 78 50 80, fax: +47 51 78 50 81

TOOLS

Spanner stand

Hydraulic Torque Tool

Spanner and Spanner Stand	*)	Art.no.	Description	Dimension	Weight
	A	131400	Spanner Stand M36/M60	1200 x M36/M60 x	13,15
	A	131414	Spanner Stand M68/M80	1510 x	14,65
	A	010318	Bolt for Spanner Stand	125 x 35/25 x 35/25	0,48
	A	010700	Ring Pin	64 x 11 x	0,06
	A	010670	Spanner M20	M20 x 320 x	1,20
	A	010636	Spanner M27	M27 x 405	2,60
	A	010637	Spanner M36	M36 x 500	5,40
	A	010638	Spanner M48	600 x 120 x 63	9,10
	A	010677	Spanner M48 + M52 Double socket	M48 x 20	12,40
	A	010652	Spanner M52	M52 x 600	10,00
	A	010639	Spanner M60 Single (wear plates, tooth <80mm)	M60 x 727	15,20
	A	010676	Spanner M60 Double socket (tooth >80mm)	M60 x 140 x 20	18,00
	A	160035	Spanner M68 Single socket	745 x 140 x 25	17,00
	A	136994	Spanner M68 Double socket - for WL only	M68 x 745	20,00
	A	138936	Spanner M80 Single socket	785 x 170 x 177	21,90
	A	450010	Spanner Retainer Plate	333 x 112,5 x 125	1,50

Power Pack, Torque Tool and Sockets	*)	Art.no.	Description	Dimension	Weight
	A	160250	Hydraulic pump unit LHU-40M/A		29,00
*) Contact local KVX representative for	A	KIT179050	Hydraulic Torque Tool M36 - M68 incl. hoses and react. pin		35,00
preferred Powerpack	C	179058	Pawl for Torque Tool 179050	48 x 16 x 33	0,12
specifications and sizing.	C	179055	Pawl Offset f/179050	16 x 32,5 x 48	0,12
	A	179074	Socket M36	59 x 59 x 135	2,80
These sockets only fit to	A	179063	Reaction Socket M36 Offset	158 x 59 x 135	4,10
179050 - Hydraulic Torque Tool	A	179072	Socket M48	84 x 84 x 170	3,90
1-BOLT SYSTEM DO NOT	A	179073	Reaction Socket M48	78 x 78 x 120	4,00
USE REACTION SOCKETS	A	179070	Socket M60	110 x 110 x 170	4,75
	A	179071	Reaction Socket M60	100 x 100 x 124	5,00
	A	179059	Socket M68	118 x 118 x 168	6,00
	A	179060	Reaction Socket M68	118 x 118 x 133	5,00
	A	160093	Reaction Pin M52-M90	250 x 55	4,00

A: In stock | B: In stock, outgoing product | C: Delivery on request

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Tools

	A	KIT179032	Hydraulic Torque Tool M48 - M80 incl. hoses and react. pin		58,00
	C	179037	Pawl for Torque Tool 179032	72 x 16 x 36	0,19
	C	179038	Pawl offset Torque Tool f/179032	72 x 16 x 36	0,19
These sockets only fit to	A	179066	Socket M48 for 179032	84 x 84 x 190	6,60
179032 and 179080	A	179067	Reaction Socket M48	78 x 78 x 165	2,70
Hydraulic Torque Tool	A	179094	Socket M60 , Large	110 x 110 x 205	7,40
1-BOLT SYSTEM DO NOT	A	179096	Reaction Socket M60, Large	100 x 100 x 164	3,50
USE REACTION SOCKETS	A	179095	Socket M68 , Large	118 x 118 x 208	8,00
	A	179097	Reaction Socket M68	118 x 118 x 173	4,50
	A	179090	Socket M80 / M90 , Large	146 x 146 x 225	11,80
	A	179091	Reaction Socket M80 / M90 , Large	144 x 144 x 195	8,00
	A	160093	Reaction Pin M52-M90	250 x 55	4,00
Sockets M100 to be used with	A	KIT179080	Hydraulic Torque Tool M60 - M100 incl. hoses and react. pin		75,00
179080 Hydraulic Torque Tool	A	179092	Socket M100 , Large	184 x 184 x 220	16,00
1-BOLT SYSTEM DO NOT	A	179093	Reaction Socket M100 , Large	184 x 184 x 195	13,00
USE REACTION SOCKETS	A	160093	Reaction Pin M52-M90	250 x 55	4,00
Thread pin	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010680	Thread pin M20	120 x 25 x 25	0,15
	A	010681	Thread pin M27	140 x 30 x 30	0,30
	A	010682	Thread pin M36	160 x 40 x 40	0,70
	A	010683	Thread pin M48	200 x 60 x 60	1,50
	A	010685	Thread pin M52	210 x 50 x 50	1,50
	A	010684	Thread pin M60	210 x 80 x 80	2,30
	A	010686	Thread pin M68	250 x 70 x 70	4,80
	A	010687	Thread pin M80	290 x 100 x 100	4,50
Tooth Turn Shaft	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	160083	Tooth Turn Shaft M52	350 x	2,50
	A	160084	Tooth Turn Shaft M60	390 x 63 x	4,85
	A	160085	Tooth Turn Shaft M68	390 x 71 x	7,00
	A	160086	Tooth Turn Shaft M80	400 x 100 x 100	8,00
Rupper Plugs	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	132008	Rubber Plug M27 (Type A), HEX bolt head	55 x 55 x 8	0,02
	A	132009	Rubber Plug M36 (Type A), HEX bolt head	68 x 68 x 10	0,04
	A	131426	Rubber Plug M48/M52 (Type A), HEX bolt head	86 x 86 x 12	0,10
	A	131427	Rubber Plug M60 (Type A), HEX bolt head	114 x 114 x 15	0,16
	A	131428	Rubber Plug M68 (Type A), HEX bolt head	120 x 120 x 14	0,20
	A	131407	Rubber Plug M80/90 (Type A), HEX bolt head	150 x 150 x 40	0,20
	A	160050	Rubber Plug (Type B), solid blank M36	68 x 68 x 14	0,03
	A	160051	Rubber Plug (Type B), solid blank M48	88 x 88 x 12	0,05
	A	160052	Rubber Plug (Type B), solid blank M60	114 x 114 x 15	0,10
PVC Plugs	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010969	PVC Plug M20 Threaded	220 x 22 x 18	0,00
	A	010970	PVC Plug M27 Threaded	29 x 29 x 22	0,01
	A	010971	PVC Plug M36 Threaded	38 x 38 x 32	0,02
	A	010972	PVC Plug M48 Threaded	50 x 50 x 42	0,03
	A	010973	PVC Plug M60 Threaded	62 x 62 x 47	0,05
Grease	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	010890	Grease 50 gr.		0,10
	A	010891	Grease 1 kg		1,00

A: In stock | B: In stock, outgoing product | C: Delivery on request

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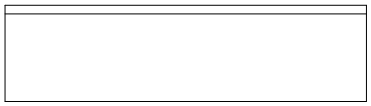
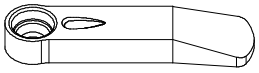
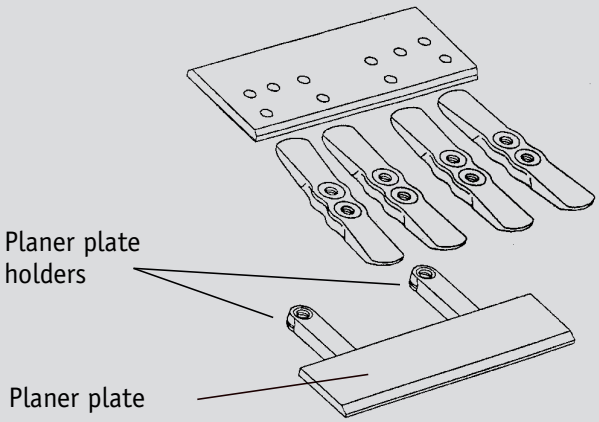
ACCESSORIES

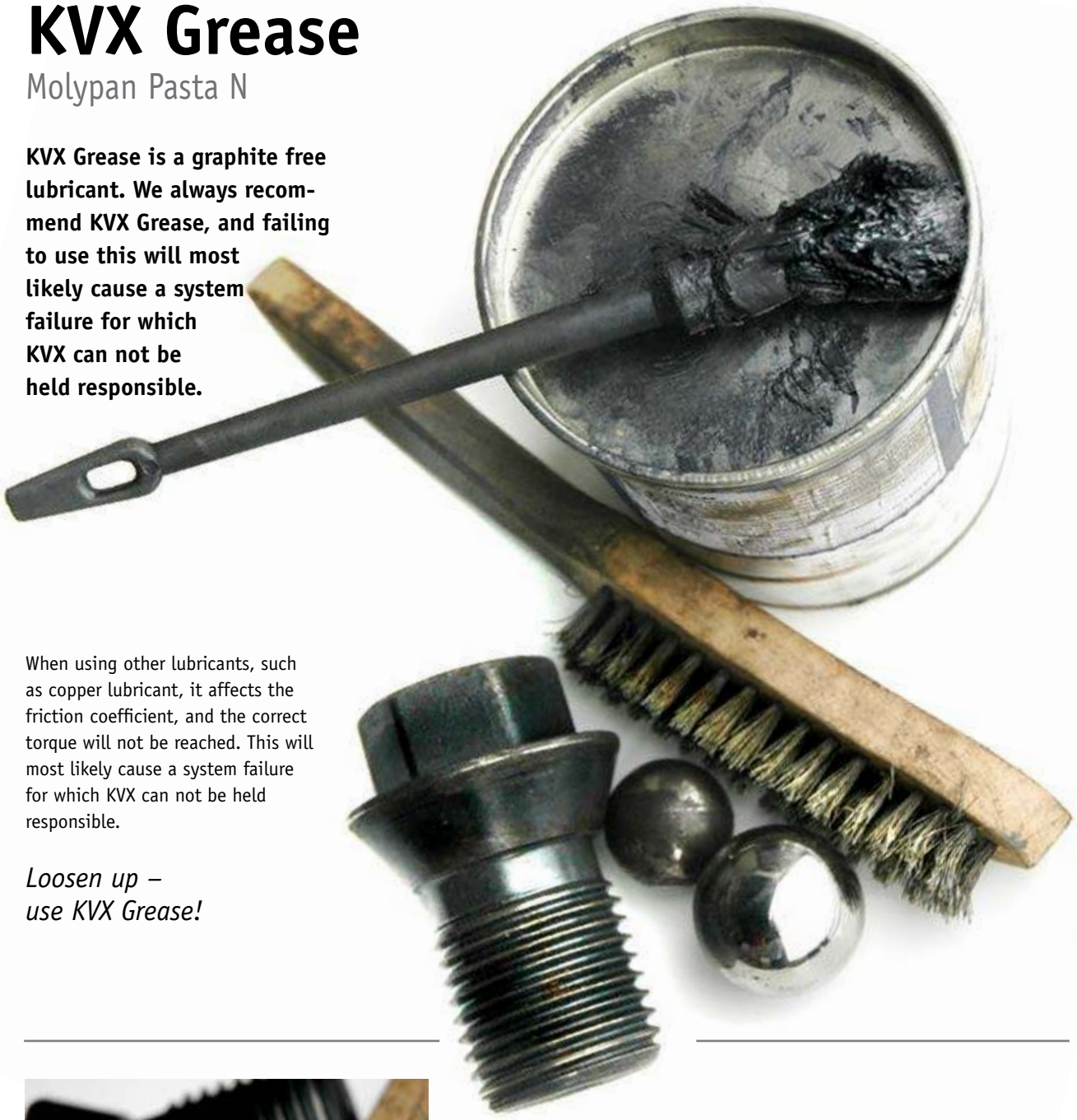
Lifting Hooks	*)	Art.no.	Description	Dimension	Weight
	B	131432	Lifting Hook 2 Tons	85 x 83 x 38	0,5
	B	131431	Lifting Hook 4 Tons	123 x 118 x 58	1,8
Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	C	131456	Planer Plate without hole ref. M16	480 x 125 x 15	7,0
	A	131455	Planer Plate without hole ref. M16	550 x 125 x 15	8,0
	A	131457	Planer Plate without hole ref. M16	720 x 125 x 15	10,0
	A	131458	Planer Plate without hole ref. M20	545 x 150 x 15	9,5
	A	131459	Planer Plate without hole ref.M20	850 x 150 x 16	15,0
	A	131453	Planer Plate without hole ref. M27	510 x 200 x 25	20,4
	B	131460	Planer Plate without hole ref. M27	650 x 200 x 25	26,5
	C	131467	Planer Plate without hole ref.M27	800 x 200 x 25	31,0
	A	131461	Planer Plate without hole ref. M27	920 x 200 x 25	34,0
	A	131454	Planer Plate without hole ref. M36	1000 x 250 x 30	59,0
	A	131462	Planer Plate without hole ref. M36	1200 x 250 x 30	71,0
	A	131463	Planer Plate without hole ref. M48/52	1130 x 300 x 35	93,0
	A	171634	Planer Plate without hole ref. M48/52	1300 x 400 x 35	140,0
	A	131464	Planer Plate without hole ref. M48/52	1400 x 300 x 35	114,0
	A	171635	Planer Plate without hole ref. M48/52	1400 x 400 x 35	152,0
Bracket for Planer Plate	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	131228	Bracket for Planer Plate M16	225 x 70 x 23	1,2
	A	131229	Bracket for Planer Plate M20	203 x 66 x 30	1,8
	A	131230	Bracket for Planer Plate M27	320 x 80 x 35	4,1
	A	131231	Bracket for Planer Plate M36	400 x 100 x 50	10,0
	A	131232	Bracket for Planer Plate M48	490 x 120 x 60	18,0
	A	131233	Bracket for Planer Plate M60	620 x 140 x 70	38,0
Ball Dowels	***)**	**Art.no.**	**Description**	**Dimension**	**Weight**
	A	179165	Ball Dowel Ø35 M52, M60 1bolt	35 x 35 x 35	0,2
	A	160089	Ball Dowel Ø45 M68 1bolt	45 x 45 x 45	0,4
	A	160115	Ball Dowel Ø60 M80 1bolt	60 x 60 x 60	1,0
	A	160114	Ball Dowel Ø80 M90 1bolt	80 x 80 x 80	2,1



KVX Grease

Molypan Pasta N

KVX Grease is a graphite free lubricant. We always recommend KVX Grease, and failing to use this will most likely cause a system failure for which KVX can not be held responsible.



When using other lubricants, such as copper lubricant, it affects the friction coefficient, and the correct torque will not be reached. This will most likely cause a system failure for which KVX can not be held responsible.

Loosen up –
use KVX Grease!

How to apply KVX Grease:

Clean the surfaces using tools required and apply a covering but thin layer of KVX Grease to all surfaces – do not forget the cones. Use a hard brush or a lint-free cloth when applying.

The picture shows the correct application of grease on the threads and cone before assembly.

Grease		*)	Art.no.	Description	Dimension	Weight
		A	010890	Grease 50 gr.		0,10
		A	010891	Grease 1 kg		1,00

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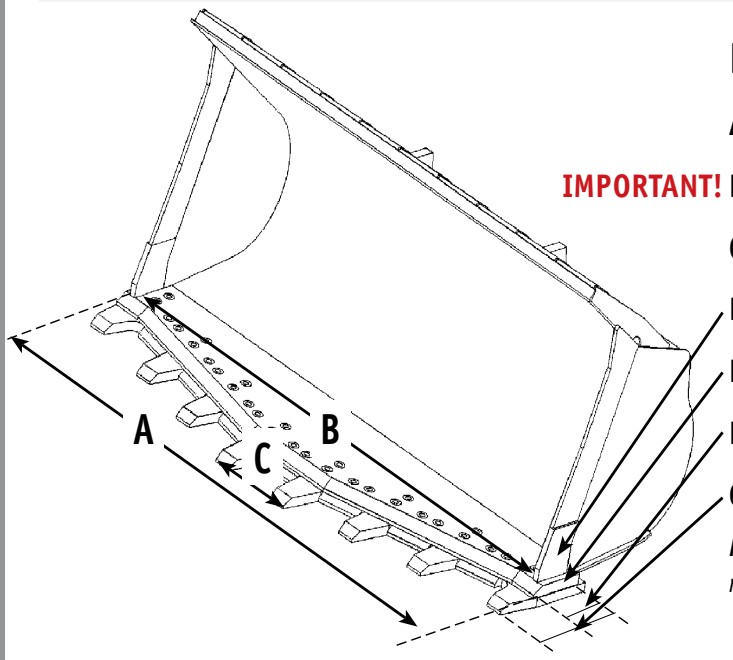
MORE BITE FOR YOUR MONEY

G.E.T INQUIRY FORM – WHEEL LOADER

* *User entry required*

Dealer: *		Client: *	
Date:		Location:	
Contact:		Contact:	
Phone:		Phone:	
Fax:		Fax:	
Machine * Manufacturer:		Machine Model:*	
Current Hrs:		Serial No M/C:	
Bucket * Manufacturer:		Serial No Buck:	



Bucket capacity _____ m´SAE

A: Overall width base plate _____ mm

IMPORTANT! **B: Inside width base plate** _____ mm

C: Width front of base plate _____ mm

D: Thickness of Side plates _____ mm

E: Thickness of Base Plate _____ mm

F: Depth of base plate (sides) _____ mm

G: Depth of base plate (centre) _____ mm

Note: *Should lower side plates (incorporated by KVX) be required, include separate sketch of shape and size needed.*

Operating Conditions Describe:
(material, density, abrasiveness, moisture, etc.)

Lip data:

Lip type* *(Straight/Semi-Delta/Pointed)*

Teeth brand* *(KVX, Kmax, Hensley)*

Teeth system *(1-bolt, 2-bolts, Intruder)*

Type of teeth *(Stone teeth, penetration, ripper/reversible, Single end)*

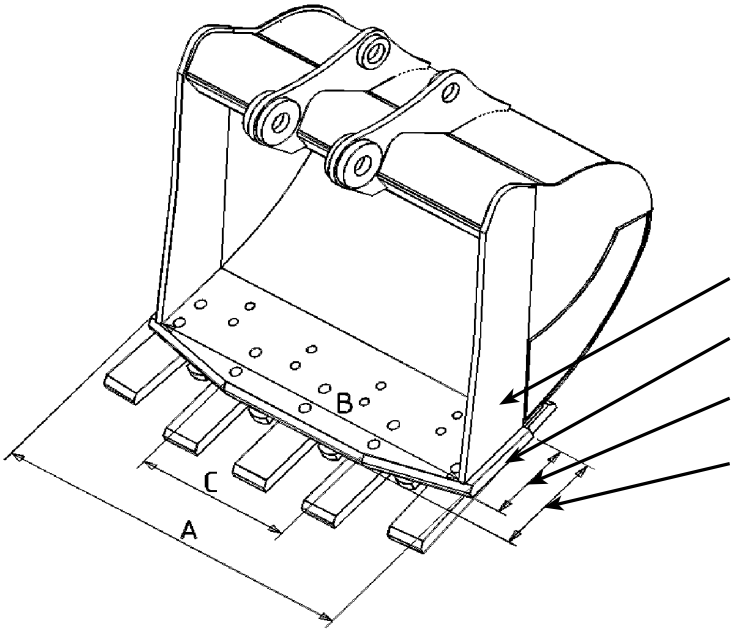
Lip protection
(Shrouds/wear plates, front protector list)

Date *	Place *	Person filling out this form *	Phone *

G.E.T INQUIRY FORM – EXCAVATOR

* *User entry required*

Dealer: *		Client: *	
Date:		Location:	
Contact:		Contact:	
Phone:		Phone:	
Fax:		Fax:	
Machine * Manufacturer:		Machine Model:*	
Current Hrs:		Serial No M/C:	
Bucket * Manufacturer:		Serial No Buck:	



Bucket capacity _____ m´SAE

A: Overall width base plate _____ mm

B: Inside width base plate _____ mm

C: Width front of base plate _____ mm

D: Thickness of Side plates _____ mm

E: Thickness of Base Plate _____ mm

F: Depth of base plate (sides) _____ mm

G: Depth of base plate (centre) _____ mm

Note: *Should lower side plates (incorporated by KVX) be required, include separate sketch of shape and size needed.*

Operating Conditions Describe:
(material, density, abrasiveness, moisture, etc.)

Lip data:

Lip type* *(Straight/Semi-Delta/Pointed)*

Teeth brand* *(KVX, Kmax, Hensley)*

Teeth system *(1-bolt, 2-bolts, Intruder)*

Type of teeth *(Stone teeth, penetration, ripper/reversible, Single end)*

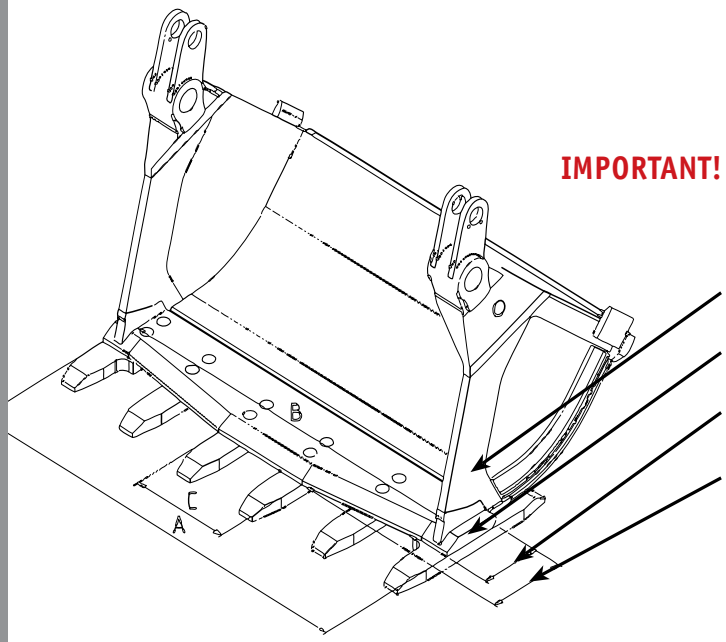
Lip protection
(Shrouds/wear plates, front protector list)

Date *	Place *	Person filling out this form *	Phone *

G.E.T INQUIRY FORM – FRONT SHOVEL

* *User entry required*

Dealer: *		Client: *	
Date:		Location:	
Contact:		Contact:	
Phone:		Phone:	
Fax:		Fax:	
Machine * Manufacturer:		Machine Model:*	
Current Hrs:		Serial No M/C:	
Bucket * Manufacturer:		Serial No Buck:	



IMPORTANT!

Bucket capacity _____ m´SAE

A: Overall width base plate _____ mm

B: Inside width base plate _____ mm

C: Width front of base plate _____ mm

D: Thickness of Side plates _____ mm

E: Thickness of Base Plate _____ mm

F: Depth of base plate (sides) _____ mm

G: Depth of base plate (centre) _____ mm

Note: *Should lower side plates (incorporated by KVX) be required, include separate sketch of shape and size needed.*

Operating Conditions Describe:
(material, density, abrasiveness, moisture, etc.)

Lip data:

Lip type* *(Straight/Semi-Delta/Pointed)*

Teeth brand* *(KVX, Kmax, Hensley)*

Teeth system *(1-bolt, 2-bolts, Intruder)*

Type of teeth *(Stone teeth, penetration, ripper/reversible, Single end)*

Lip protection
(Shrouds/wear plates, front protector list)

Date *	Place *	Person filling out this form *	Phone *

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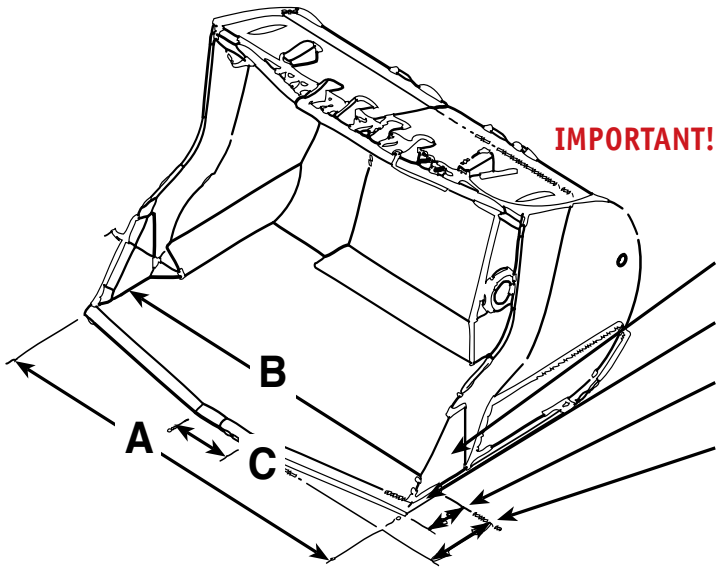
G.E.T INQUIRY FORM – UNDERGROUND

* *User entry required*

Dealer: *		Client: *	
Date:		Location:	
Contact:		Contact:	
Phone:		Phone:	
Fax:		Fax:	
Machine * Manufacturer:		Machine Model:*	
Current Hrs:		Serial No M/C:	
Bucket * Manufacturer:		Serial No Buck:	



IMPORTANT!

Bucket capacity _____ m´SAE

A: Overall width base plate _____ mm

B: Inside width base plate _____ mm

C: Width front of base plate _____ mm

D: Thickness of Side plates _____ mm

E: Thickness of Base Plate _____ mm

F: Depth of base plate (sides) _____ mm

G: Depth of base plate (centre) _____ mm

Note: *Should lower side plates (incorporated by KVX) be required, include separate sketch of shape and size needed.*

Operating Conditions Describe:
(material, density, abrasiveness, moisture, etc.)

Lip data:

Lip type* *(Straight/Semi-Delta/Pointed)*

Teeth brand* *(KVX, Kmax, Hensley)*

Teeth system *(1-bolt, 2-bolts, Intruder)*

Type of teeth *(Stone teeth, penetration, ripper/reversible, Single end)*

Lip protection
(Shrouds/wear plates, front protector list)

Date *	Place *	Person filling out this form *	Phone *

Installation procedure for cutting-edges

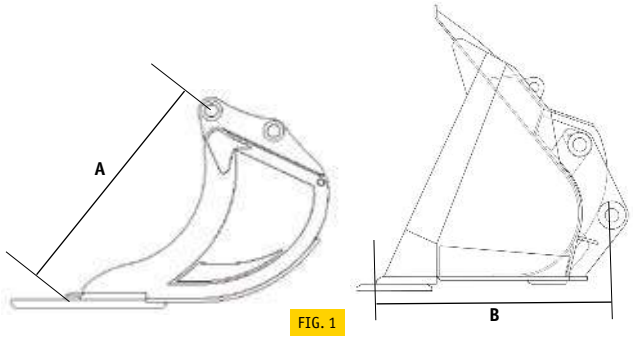


FIG. 1

Preparations

Note measurements A and B as indicated in the figures above for excavator and wheel loader buckets respectively. It is imperative that the bucket tip radius and volume remain unchanged when the new cutting-edge is installed. Remove old edge by flame cutting clear of the existing weld. Cut and grind welding grooves. Remove paint, oil and other impurities as well as any remaining manganese steel from the welding zone. Install new edge to measurements A and B and weld according to these instructions.

Flame Cutting

(also applies to KVX wear bar and wear products)

Any flame cutting of the edge requires the following temperature precautions:

1. Preheat steel thicker than 50 mm to 150°C / 300°F.
2. Condition any cold stored steel 45mm or less to 100°C / 210°F before flame cutting.

Preheating

(also applies to KVX wear bar and wear products)

For good welds use preheating temperatures in table.

Plate thickness, mm

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
Temperature in Celsius	+100 - 150				+150 - 200			+ 200 - 230													
Interpass-Temperature	+80 - 150				+130 - 200			+ 180 - 230													
CEV	0,57				0,66			0,74													
CET	0,42				0,43			0,46													

$$CEV = C + \frac{Mn}{6} + \frac{(Mo + Cr + V)}{5} + \frac{(Ni + Cu)}{15}$$

$$CET = C + \frac{(Mn + Mo)}{10} + \frac{(Cr + Cu)}{20} + \frac{Ni}{40}$$

Heat the parts evenly with a suitable gas torch, minimum 150 mm into the bucket bottom plate. Maintain recommended preheating temperature during the complete welding operation, otherwise cracks can develop in the Heat Affected Zone. Let the welded parts cool slowly.

Check preheating temperature by chromatic temperature crayons. Preheating and interpass temperatures in excess of 230°C / 450°F will reduce the abrasive properties and the strength of the steel. For cutting edges from 80 mm thickness and up, we recommend preheating with electrical blankets. Temperature measuring is best performed with an infrared handheld gun.

Welding rods:

(also applies to KVX wear bars and wear products)

Use only low hydrogen welding rods (H^2O <5ml/100g). Heat welding rods according to manufacturers instructions.

Recommended welding consumables:

(other brands can be used with the same mechanical properties):

MMA (Manual Metal Arc-Electrodes)	GMAW (Mig/Mag Welding-Wire)
ESAB OK 48.15 (AWS: A/SFA 5.1 E 7018-1)	ESAB OK Autrod 12.51 (AWS A5.18-93 ER 70S-6) ESAB OK Autrod 16.95 (AWS A5.9:ER307 mod)
ESAB OK 55.00 (AWS: A/SFA 5.1 E 7018-1)	FILARC PZ6105R (AWS: A5.18-93 E70C-6M H4) HYUNDAI Supercored 70SB (AWS: A5.20 E71T-5C)

**Use recomended polarity and gas as described in welding rod datasheet.*

Welding

(also applies to KVX wear bars and wear products)

Weld single beads alterning on either side of the plate as indicated in Fig. 4. Use only straight beads. Grind or gouge the root string prior to welding from thebackside. Weld with smooth transitions to the parent material and without any welding defects. We recomend using Voltage, Ampere and weldingspeeds according to manufacturer spesifications.

Welding Sequence:

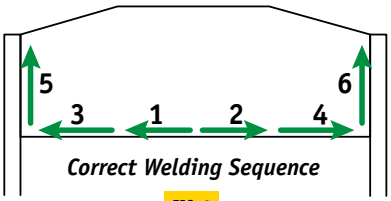


FIG. 2

- Generally a welding sequence is favoured which minimises the restraining forces between the welded parts. This is ensured by giving the parts the freedom of movement during the welding operation.
- When installing a cutting-edge to a bucket the base plate must be welded prior to the sides in order to minimise any tension in the welding zones.

Weld the last bead on each side with a distance of 3 - 5 mm. to the parent material, to anneal its Heat Affected Zone and reduce the risk of cracks.

Grinding: *(also applies to KVX wear bar and wear products)*

Grind the weld as indicated in Fig. 3. and with the grinding marks transverse to the welding direction.

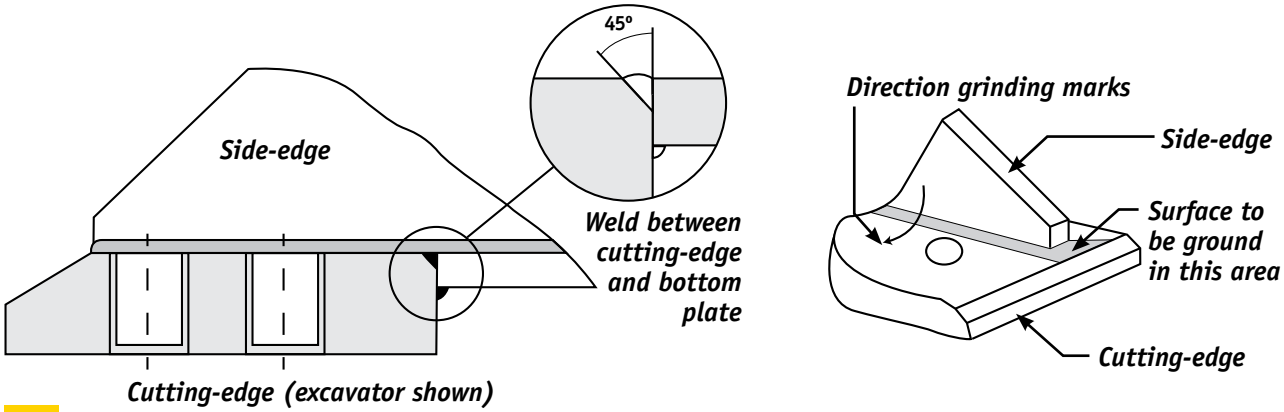


FIG. 3

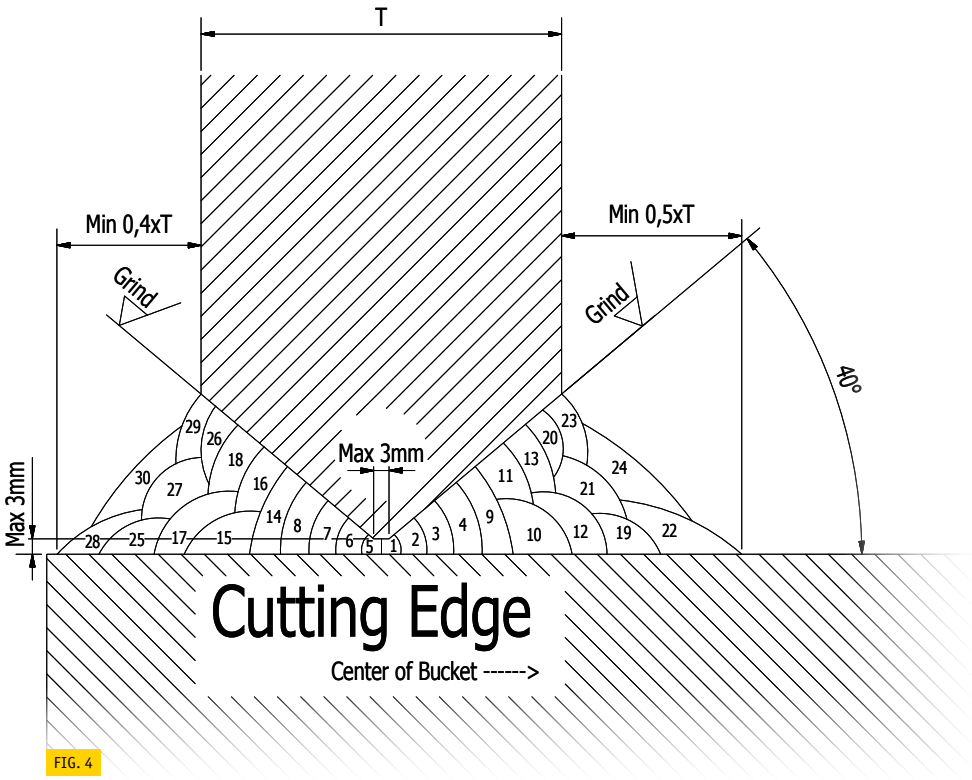


FIG. 4

Typical crack patterns resulting from neglecting procedures for preheating and welding equence.

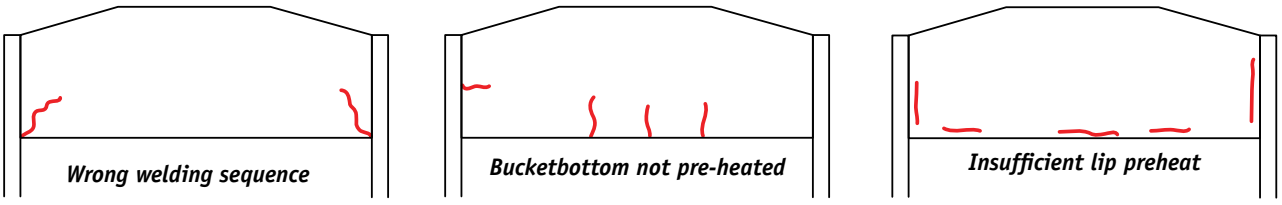


FIG. 5.1

General notes:

1. *All dimensions are min. values*
2. *Number of beads vary according to plate thickness.*
3. *All transitions shall be smooth and without defects, grind if nessary.*

These instructions provide specific guidance on the welding of KVX plates, but assume that welding is carried out by suitably qualified personnel experienced in the welding of hardened plate materials. KVX bear no responsibility for damage to lip or bucket resultant from inexperienced personnel or poor welding practice/ procedures.

Installation of teeth

When these installation procedures are followed, the KVX bolt-on wear parts will stand up to extreme loads without loosening. The procedures are applicable to all types of bolt-on wear parts even though teeth only are specifically mentioned.

All surfaces must be clean and free of debris: Clean the surfaces with a steel brush and remove any burrs. Check that adjoining surfaces are flat and that threads and cones are undamaged.

Use only KVX recommended grease: Apply the recommended grease on threads and cones. Use of other grease may cause bolts to become loose or bolts snapping.

Install teeth: Place the tooth in position on the cutting edge and insert the bolts. To ensure good contact in the cone give the tooth a couple of blows sideways.

Tighten bolts to specified torque: Apply torque listed in table below. Smaller bolts, up to M16, can be tightened by means of any appropriate torque wrench and hand power. Bigger bolts require special KVX spanners. M20 bolts can be tightened by hitting the spanner with a 1,5 kg sledgehammer until it stops. Consult table for bolts bigger than M20. Hit the spanner until it stops, which gives a sufficient pre-torque value. Alternatively, use a torque wrench and apply 5% of final specified torque value as the "pre-torque" value. The specified final torque can be achieved by turning the bolts the additional angle by means of hand tools, spanner stand or hydraulic tool. Various brands of hydraulic torque tools can be adapted for KVX bolts. Always assess procedures with reference to local safety regulations and guidelines.

Spanner stand: When using the KVX spanner stand make sure to consult the KVX Spanner Stand Operating Instruction booklet. Follow safety procedures for the torque-up of KVX bolts where safety regulations permit.

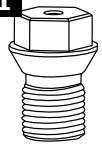
Dimension	Tool	60° 90° 105° 120° 150° 180°	DOWELLED PARTS		NON-DOWELLED PARTS	
			Angle	*Torque*	*Angle*	*Torque*
M16	Hand power		-	-	-	250 Nm
M20	Sledgehammer 1-2 kg		-	-	-	500 Nm
M27	Sledgehammer 3-4 kg		-	-	60°	1500 Nm
M36	Sledgehammer 8-10 kg/Spanner stand		-	-	60°	3000 Nm
M48	Spanner stand or Hydraulic tool [1]		-	-	90°	7500 Nm
M52	Spanner stand or Hydraulic tool [1]		150°	12000 Nm	105°	10500 Nm
M60	Spanner stand or Hydraulic tool [1]		180°	18000 Nm	120°	15000 Nm
M68	Spanner stand or Hydraulic tool [1]		180°	26500 Nm	120°	22500 Nm
M80	Spanner stand or Hydraulic tool [1]		180°	44000 Nm	150°	37000 Nm
M90	Hydraulic tool [1]		180°	65000 Nm	150°	52000 Nm
M100	Hydraulic tool [1]		180°	89000 Nm	150°	73000 Nm

1) Instructions for KVX's own hydraulic tools available separately.

Attention!

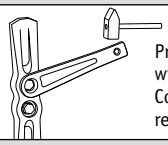
In order to reach the right torque when tightening KVX bolts, we always recommend using KVX recommended grease. Apply grease to threads and cones, both on bolts and on the cutting edge. When installing used equipment and when turning teeth/wear plates, it is critical that all surfaces are thoroughly cleaned using wire brush and scraper.

1



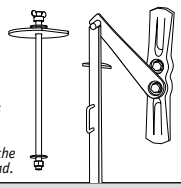
All contact surfaces must be clean and free of debris. Always use KVX recommended grease. Failing to use this will most likely cause a system failure for which KVX can not be held responsible.

2



Pre-torque with hammer. Copper mallet is recommended.

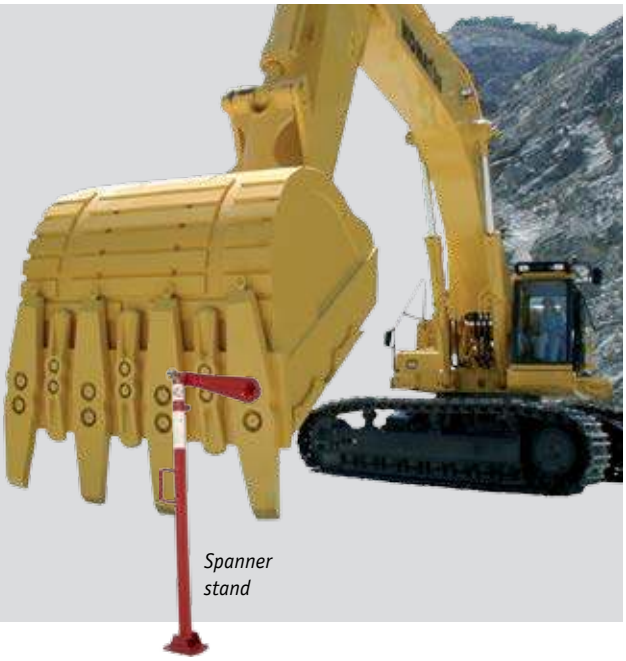
3



**) Spanner Retainer Plate (450010) must always be used to secure the spanner to the bolt hex head.*

Tighten all bolts to the specified torque (see table).

Hydraulic tools



Spanner stand

Welding

Recommended procedure for Welding of Highly Constrained Joints, welding thicknesses > 100 mm and/or welding across the plate thickness.

When welding Highly Constrained Joints, welding thicknesses > 100 mm and/or welding across the plate thickness (fig 6.1), it is best to cover the surfaces to be welded with weld deposit (butter beeading) prior to welding the actual joint. In doing so, the HAZ (Heat Affected Zone) of the base material will be annealed during the welding of the joint. This will reduce the hardness and the stresses in the coarse-grained HAZ, thereby reducing the risk of hydrogen-induced cracks (cold craks), (see fig. 6.2) It is generally beneficial to use a welding technique that involves first placing the weld bead on the base material prior to filling up with weld deposit (see fig 6.3). It is also beneficial here to hammer the weld using, for instance, a pneumatic slag pick, in order to reduce the shrinkage stresses in the welded joints. For butter beeading applications EASB OK Autrod 16.95 is particulary well suited.

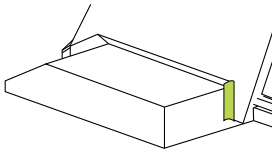


FIG. 6.1

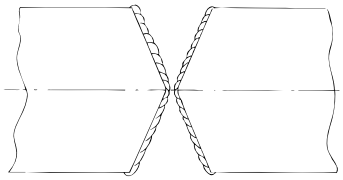


FIG. 6.2

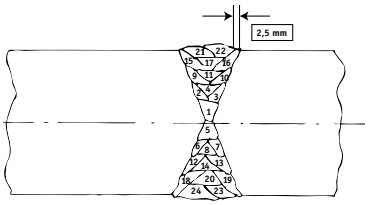


FIG. 6.3

Welding of Wear Bars

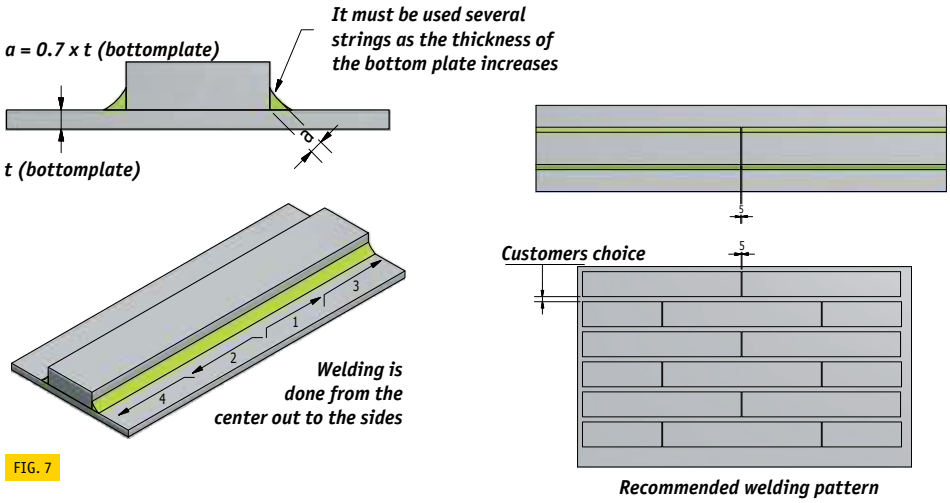


FIG. 7

KVX wear bars welded into wheel loader bucket.

Installation of KVX Front Plates (Lips)

Minimum Measurements Near Bolt Holes

"Rule(s) of Thumb":
When installing KVX Front Plates (Bucket Lips), ALWAYS refer to KVX's **"Installation Procedure For Cutting Edges"** document (available from your KVX distributor) for specific instructions relating to KVX. Welding should be performed in accordance with best practice and only by those fully qualified and experienced in the welding of hardened steel plates.

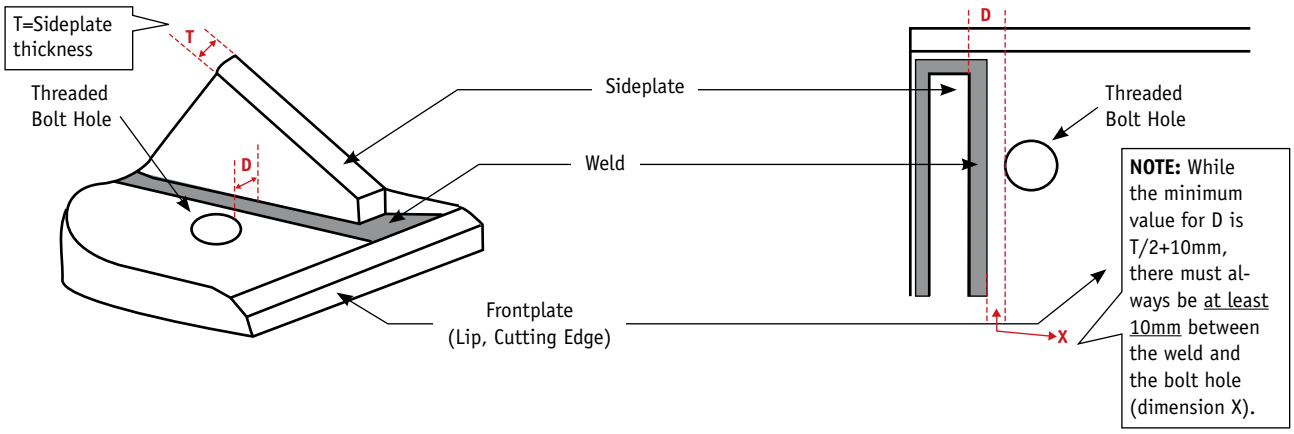
The following Guidelines should also be followed wherever possible to:

1. minimise the risk of cracks developing between the Heat Effected Zone and KVX Bolt Holes.
2. ensure sufficient clearance between Bolts and Bucket Side-plates to enable use of KVX Tooling

Excavators

On excavators where the Front Plate (Lip) is threaded for KVX Teeth:

Minimum distance "**D**" from sideplate to circumference of threaded hole: **D =T/2 + 10 mm, and X > 10mm**

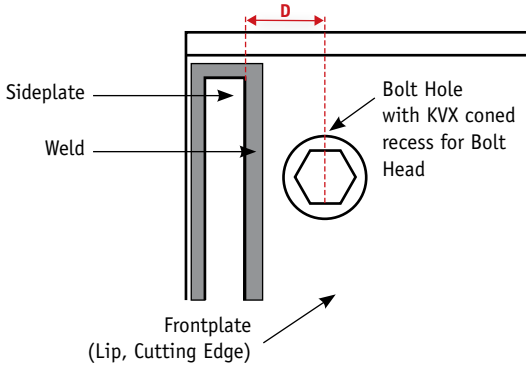


Wheel Loaders, Shovels (& some larger excavators)

For KVX systems with Teeth Bolt Heads inside the bucket (threaded Teeth)

Minimum Distance **"D"** from Bucket internal sideplate to center of nearest KVX Bolt Hole:

A) When utilising KVX Spanners only, D=:
M27: 50 mm
M36: 60 mm
M48: 70 mm
M60: 85mm
M68: 80 mm
M80: 95 mm



B) When utilising KVX's own Hydraulic Tooling, D=:

179050 Tool:	95 mm
179032 Tool:	105 mm
179080 Tool:	111 mm

C) When utilising alternative Hydraulic Tooling methods, ensure sufficient clearance "D" is provided to allow safe operation of selected Tooling in accordance with manufacturer's instructions

Note: *The above guidelines are useful for installation of most KVX Front Plates (Lips/ Cutting Edges).*
Where it is not possible to meet the above minimum recommendations, consult your KVX distributor for further instructions.

501502 06/2017

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