



Technical Catalogue

- › Catalogo Tecnico
- › Technischer Katalog
- › Catalogue Technique
- › Технический Каталог
- › Catálogo Técnico



**20
22**



Technical **Catalogue**

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Bofors	50 → 56	JCB	14 → 15
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Caterpillar	19 → 31	Kubota	17
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Bofors	50 → 56	JCB	14 → 15
Case/New Holland	16	Komatsu	32 → 36
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	ADAPTER / Portapunta / Zahnhalter / Porte-dent / Адаптер / Adaptador
	BOLT AND NUT / Vite e dado / Schraube und Mutter / Vis et écrou / Болт и гайка / Tornillo y tuerca
	BREAKOUT WEIGHT / Forza di strappo / Zugfestigkeit / Force d'arrachement / Усилие отрыва / Fuerza de rotura
	EXCAVATOR WEIGHT / Peso escavatore / Bagger Gewicht / Poids excavateur / Вес экскаватора / Peso excavadora
	PICTURE / Immagine / Bild / Image / Рисунок / Imagen
	LENGTH / Lunghezza / Länge / Longueur / Длина / Largo
	LOCK / Bloccaggio / Sicherung / Fixation / Фиксатор / Fijación
	QUANTITY OF HOLES / Numero di fori / Anzahl der Löcher / Numéro de trous / Количество отверстий / Número de agujeros
	OUR REFERENCE / Nostro riferimento / Unsere Referenznummer / Notre référence / Наш код / Nuestro código
	ORIGINAL PART NUMBER / Riferimento originale / Originale Referenznummer / Référence originelle / Каталожный номер / Código original
	PIN / Perno / Sicherungsbolzen / Axe de fixation / Крепёжный палец / Pasador
	RETAINER / Rondella / Ring / Rondelle / Шайба / Arandela
	TIP / Punta / Spitze / Dent / Коронка / Punta
	TOOTH / Dente / Zahn / Dent / Зуб / Diente
	TYPE OF CUTTING / Tipo di taglio / Schneidenart / Type de découpe / Вид резки / Tipo de corte
	WEIGHT / Peso / Gewicht / Poids / Bec / Peso

► The parts illustrated in this catalogue are all manufactured in high-quality steel suitable to uses requiring high wear-resistance. All the parts are interchangeable with the original ones. The original number has been given only for reference, in order to make the identification easier. **All dimensions are stated in millimetres (mm).**

► I particolari indicati in questo catalogo sono tutti prodotti in acciaio di alta qualità idoneo ad impieghi ove sia richiesta un'alta resistenza all'usura. Tutti i particolari sono intercambiabili con quelli originali. Il numero originale è stato indicato unicamente a titolo di riferimento per facilitarne l'identificazione. **Tutte le misure indicate sono in millimetri (mm).**

► Die in diesem Katalog gezeigten Artikel werden aus Stahl von hervorragender Qualität hergestellt, speziell geeignet für Verwendungen, die einen hohen Verschleißwiderstand verlangen. Alle Teile sind mit den Originalteilen austauschbar. Die Originalnummer wurde nur genannt, um die Identifikation zu erleichtern. **Alle Abmessungen sind in Millimeter (mm) angegeben.**

► Les détails indiqués dans ce catalogue sont tous produits en acier de toute première qualité indiqué pour des emplois qui requièrent une résistance à l'usure très élevée. Tous les détails sont interchangeables avec ceux originaux. Le numéro original a été indiqué seulement pour référence afin d'en faciliter l'identification. **Toutes les dimensions indiquées sont en millimètres (mm).**

► Все изделия указанные в этом каталоге производятся из высококачественной стали подходящей к использованию где нужна высокая стойкость к износу. Все изделия взаимозаменяемы с оригинальными. Каталожный номер указан в качестве ссылки для облегчения идентификации. **Все размеры указываются в миллиметрах (mm).**

► Las piezas que figuran en este catálogo están producidas en acero de alta calidad adecuado a utilizaciones donde se requiera una alta resistencia al desgaste. Todas las piezas son intercambiables con las marcas originales. El código original ha sido indicado solamente como referencia para facilitar la identificación. **Todas las dimensiones indicadas están en milímetros (mm).**

Technical Catalogue **Teeth**

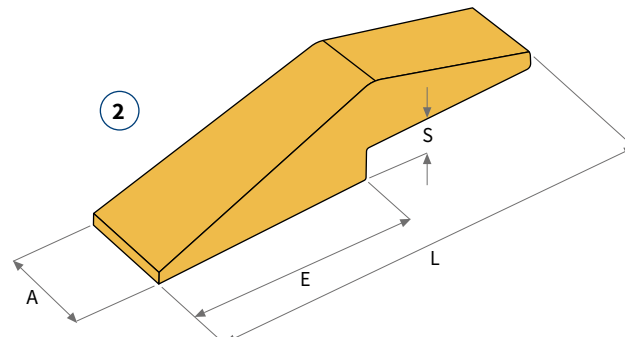
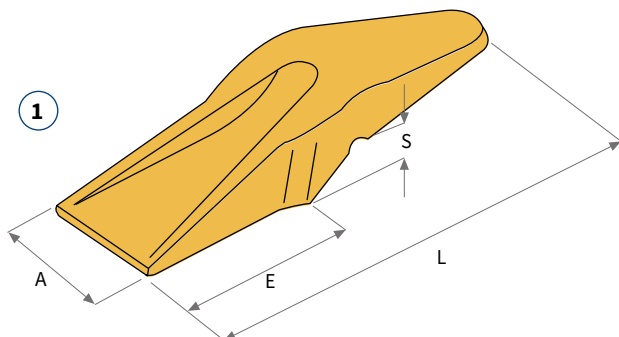
- › Catalogo Tecnico **Denti**
- › Technischer Katalog **Zähne**
- › Catalogue Technique **Dents**
- › Технический Каталог **Зубья**
- › Catálogo Técnico **Dientes**





Weld-on mini teeth

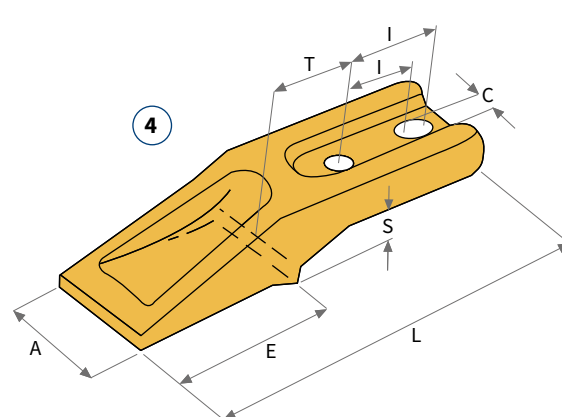
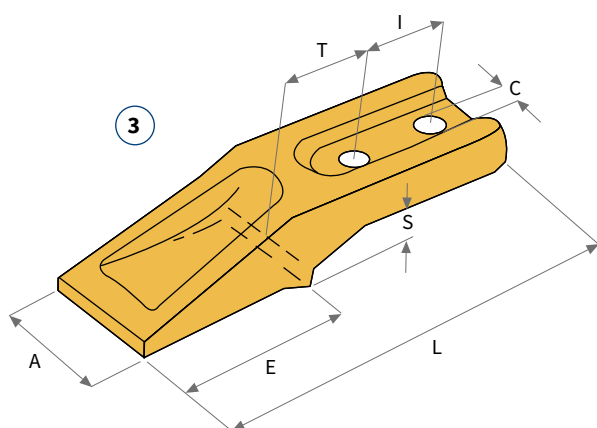
- › Mini denti a saldare
- › Mini Zähne zum Anschweißen
- › Mini dents à souder
- › Привариваемые мини-зубья
- › Minidientes a soldar



	OUR REF.	L	A	E	S	KG
1	E 1	180	50	85	15	1,0
2	E 2	132	40	67	10	0,6

Mini Z type teeth

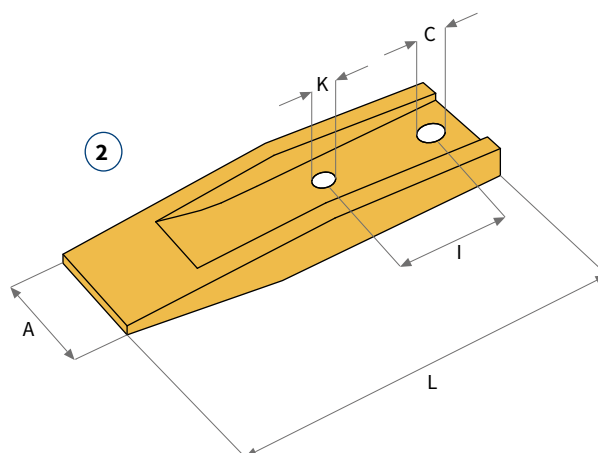
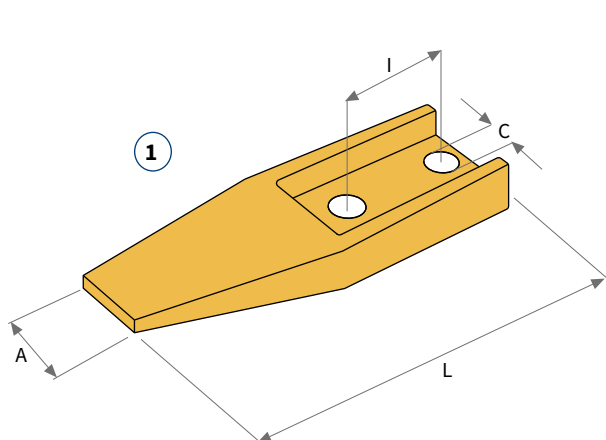
- › Denti tipo **Mini Z**
- › Zähne Typ **Mini Z**
- › Dents type **Mini Z**
- › Зубья **Mini Z**
- › Dientes tipo **Mini Z**



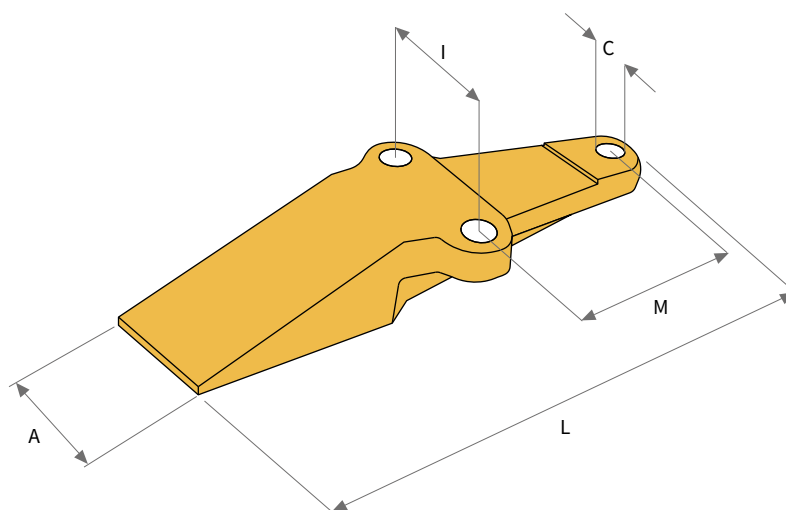
	OUR REF.	# PART NO.	L	A	E	T	I	S	C	KG	BOLT / NUT
3	E 3	MINI Z - I	184	50	84	40	40	15	13	1,0	E 615 B / E 600 N
4	E 3.1	MINI Z - I 522/00102	184	50	84	40	40-45	15	13	1,0	E 615 B / E 600 N
3	E 5	MINI Z - II	212	57	96	42	55	20	17	1,3	E 616 B / E 605 N

Grab teeth

- › Denti per benne mordenti
- › Greiferzähne
- › Dents pour pelles preneuses
- › Зубья для грейферных ковшей
- › Dientes para bivalvas



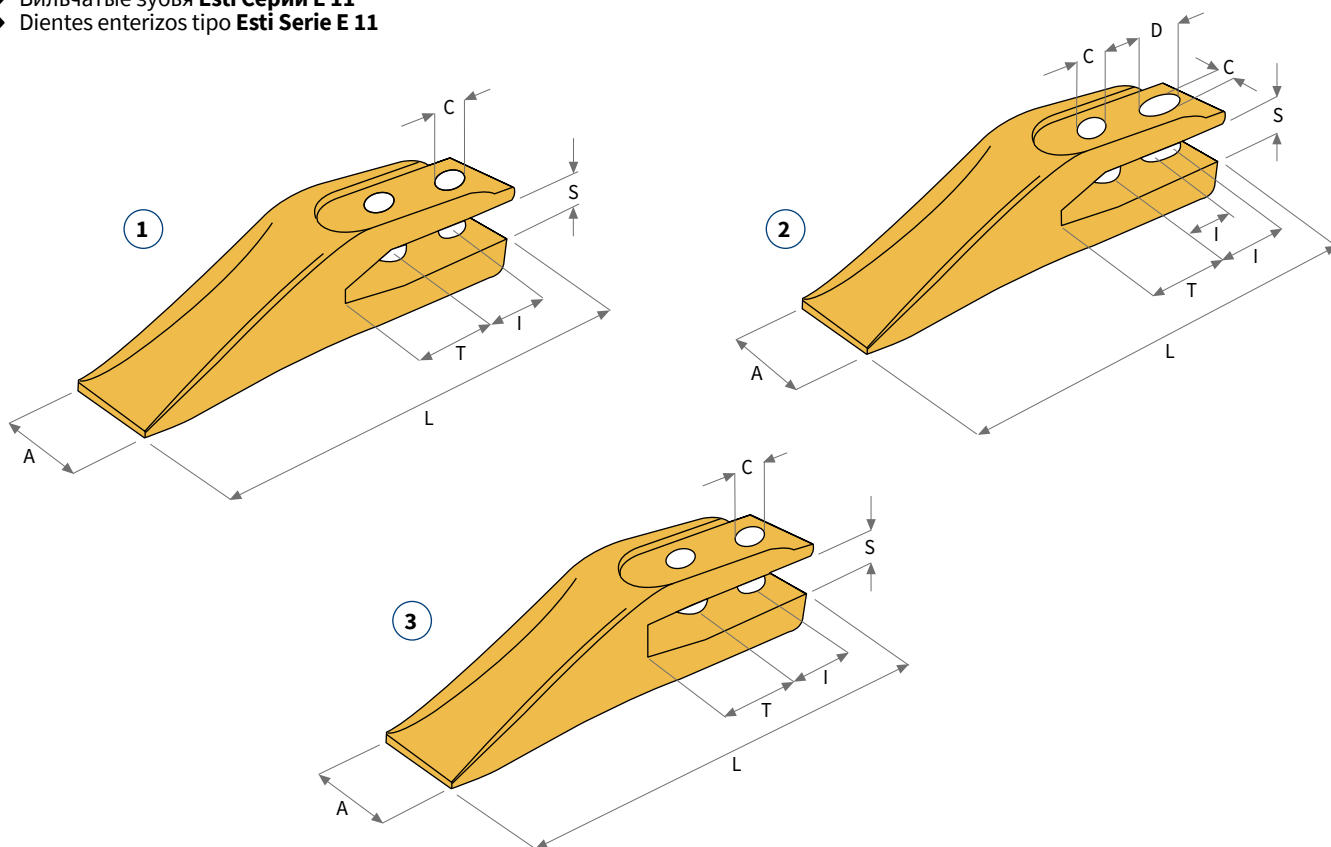
	 OUR REF.	L	A	I	K	C	 KG
1	E 560	190	30	56	-	16,5	1,6
2	E 563	210	62	68	16	18	1,7



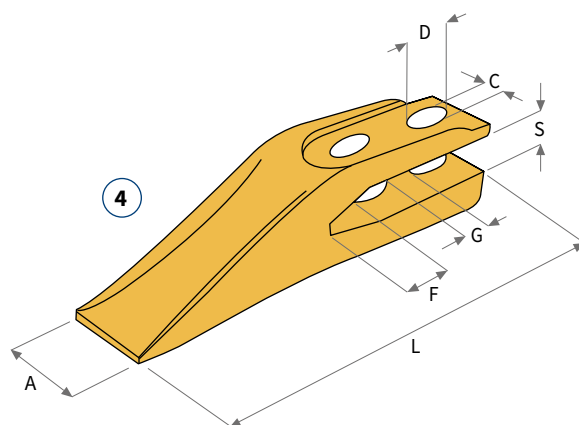
 OUR REF.	# PART NO.	L	A	I	M	C	 KG
E 570	3390181 - 9169430	330	75	80	140	18	5,5

Esti type fork teeth Range E 11

- › Denti a forcella tipo **Esti Serie E 11**
- › Gabelzähne Typ **Esti Serie E 11**
- › Dents à fourche type **Esti Série E 11**
- › Вильчатые зубы **Esti Серия E 11**
- › Dientes enterizos tipo **Esti Serie E 11**



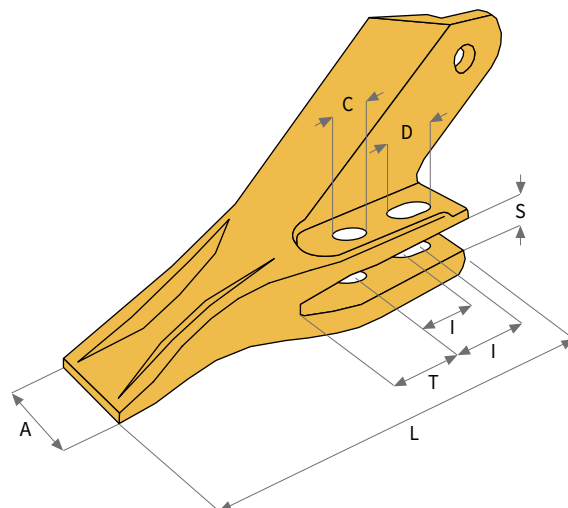
	OUR REF.	L	A	T	I	S	C	D	KG	BOLT / NUT
1	E 11.1	190	50	37	45	17	13	-	1,2	E 600 B / E 600 N
1	E 11.2	190	50	27	45	17	13	-	1,2	E 600 B / E 600 N
2	E 11.4	190	50	37	40-45	17	13	18	1,2	E 600 B / E 600 N
1	E 11.5	190	50	40	45	15	13	-	1,2	E 600 B / E 600 N
3	E 11.7	190	50	21	55	13	13	-	1,2	E 600 B / E 600 N



	OUR REF.	L	A	F	G	S	C	D	KG	BOLT / NUT
4	E 11.10	190	50	30	22,5	17	13	20	1,2	E 600 B / E 600 N

Esti type sidecutters Range E 11

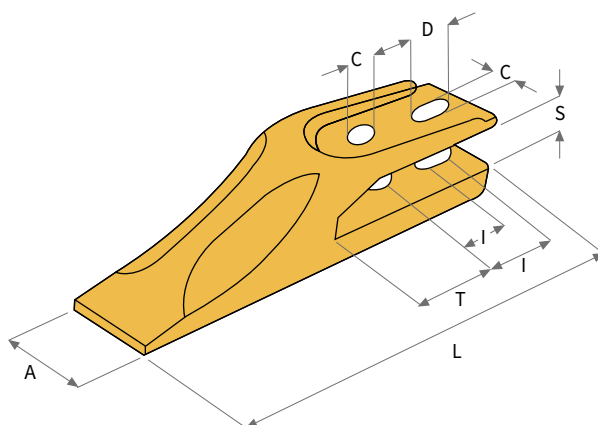
- › Angolari tipo **Esti Serie E 11**
- › Eckzähne Typ **Esti Serie E 11**
- › Coins type **Esti Série E 11**
- › бокорезы **Esti Серии E 11**
- › Cantoneras tipo **Esti Serie E 11**



 OUR REF.	L	A	T	I	S	C	D	 KG	 BOLT / NUT
E 11 R	190	50	37	40-45	17	13	18	1,9	E 600 B / E 600 N
E 11 L	190	50	37	40-45	17	13	18	1,9	E 600 B / E 600 N

Esti type fork teeth Range E 12

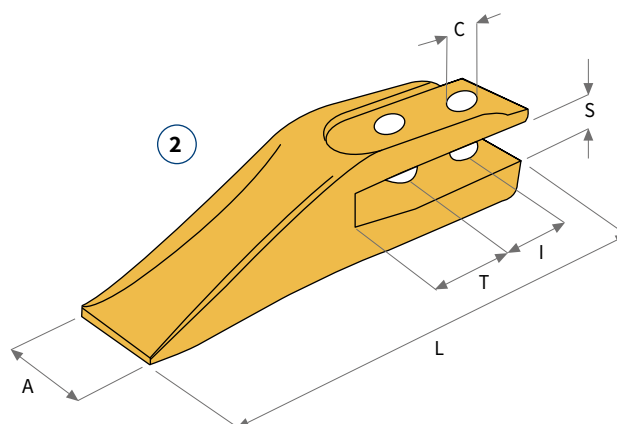
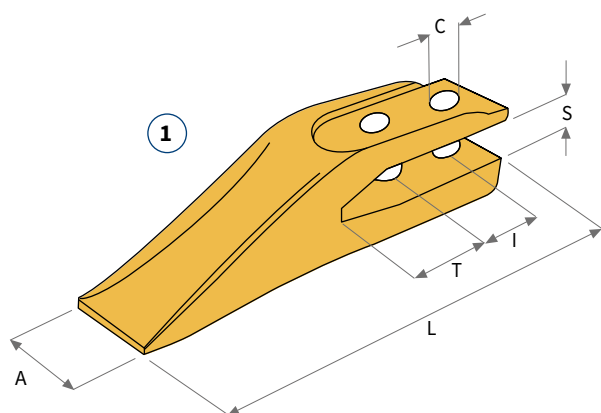
- › Denti a forcella tipo **Esti Serie E 12**
- › Gabelzähne Typ **Esti Serie E 12**
- › Dents à fourche type **Esti Série E 12**
- › Вильчатые зубья **Esti Серии E 12**
- › Dientes enterizos tipo **Esti Serie E 12**



 OUR REF.	L	A	T	I	S	C	D	 KG	 BOLT / NUT
E 12.4	190	43	37	40-45	17	13	18	1,2	E 600 B / E 600 N

Esti type fork teeth Range E 20

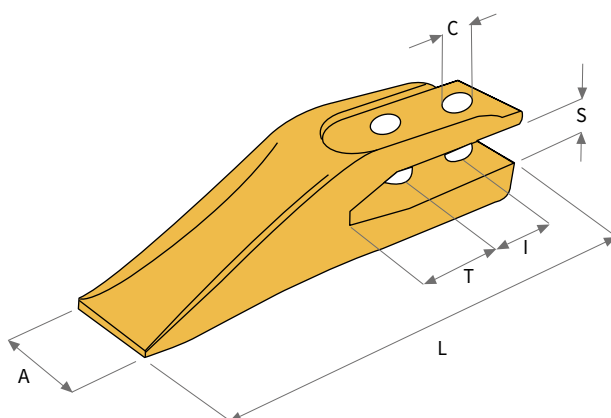
- › Denti a forcella tipo **Esti Serie E 20**
- › Gabelzähne Typ **Esti Serie E 20**
- › Dents à fourche type **Esti Série E 20**
- › Вильчатые зубы **Esti Серии E 20**
- › Dientes enterizos tipo **Esti Serie E 20**



	OUR REF.	L	A	T	I	S	C	KG	BOLT / NUT
1	E 20.1	222	53	48	50	17	15	1,7	E 603 B / E 603 N
1	E 20.2	222	53	48	50	22	15	1,7	E 603 B / E 603 N
1	E 20.4	222	53	37	45	22	13	1,7	E 600.1 B / E 600 N
1	E 20.5	222	53	51	60	17	13	1,7	E 600.1 B / E 600 N
2	E 20.7	222	53	36	55	17	16,5	1,7	E 603 B / E 603 N E 605 B / E 605 N
1	E 20.10	222	53	42	55	22	16,5	1,7	E 603 B / E 603 N E 605 B / E 605 N

Esti type fork teeth Range E 30

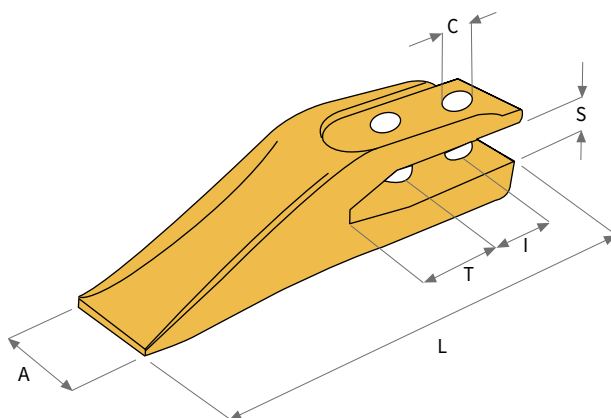
- › Denti a forcella tipo **Esti Serie E 30**
- › Gabelzähne Typ **Esti Serie E 30**
- › Dents à fourche type **Esti Série E 30**
- › Вильчатые зубья **Esti Серии E 30**
- › Dientes enterizos tipo **Esti Serie E 30**



 OUR REF.	L	A	T	I	S	C	 KG	 BOLT / NUT
E 30.1	275	61	66	65	22	13	2,7	E 600.1 B / E 600 N
E 30.2	275	61	67	65	22	15	2,7	E 603 B / E 603 N
E 30.3	275	61	51	80	22	15	2,7	E 603 B / E 603 N
E 30.6	275	61	62	45	22	15	2,7	E 603 B / E 603 N

Esti type fork teeth Range E 40

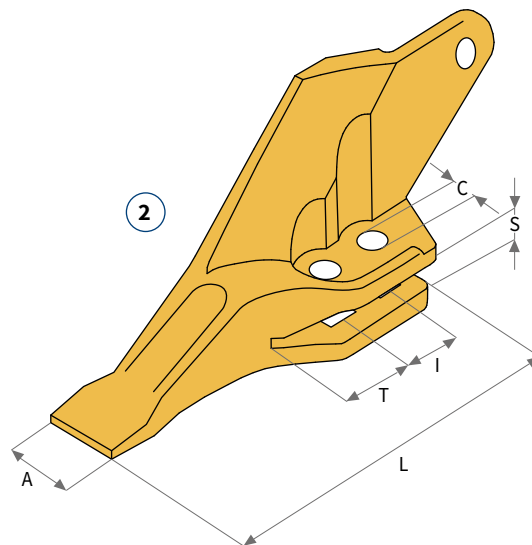
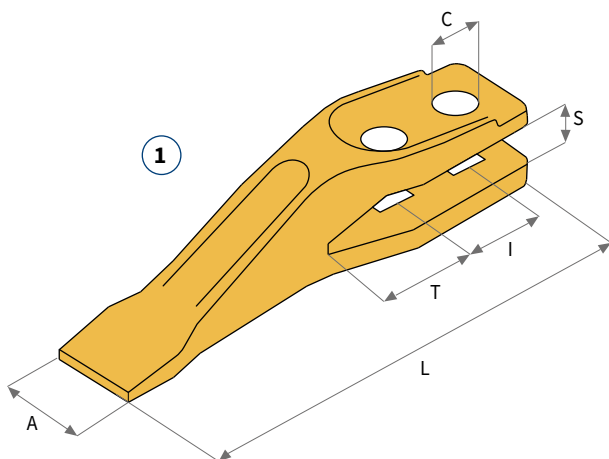
- › Denti a forcella tipo **Esti Serie E 40**
- › Gabelzähne Typ **Esti Serie E 40**
- › Dents à fourche type **Esti Série E 40**
- › Вильчатые зубья **Esti Серии E 40**
- › Dientes enterizos tipo **Esti Serie E 40**



 OUR REF.	L	A	T	I	S	C	 KG	 BOLT / NUT
E 40.1	300	66	75	70	27	17	3,7	E 605.2 B / E 605 N

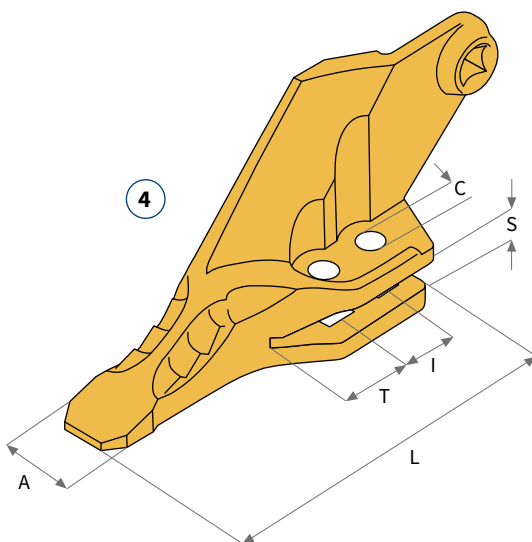
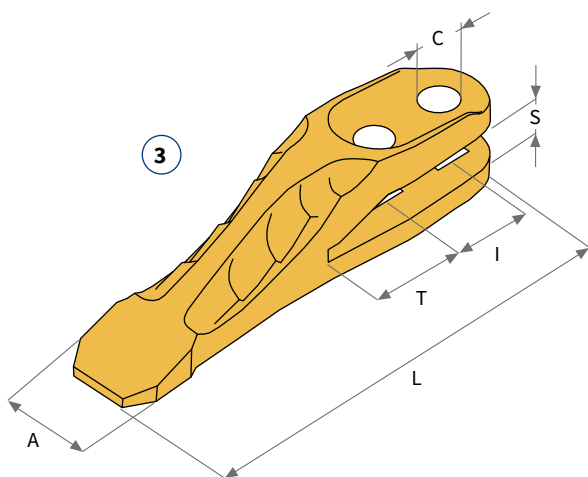
JCB type fork teeth

- › Denti a forcella tipo **JCB**
- › Gabelzähne Typ **JCB**
- › Dents à fourche type **JCB**
- › Вильчатые зубы **JCB**
- › Dientes enterizos tipo **JCB**



Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
1	E 25	531.03205	250	50	51	44,5	22	20,5	2,2	E 622 B / E 622 N
2	E 25 R	531.03208	260	50	51	44,5	22	20,5	4,7	E 622 B / E 622 N
2	E 25 L	531.03209	260	50	51	44,5	22	20,5	4,7	E 622 B / E 622 N



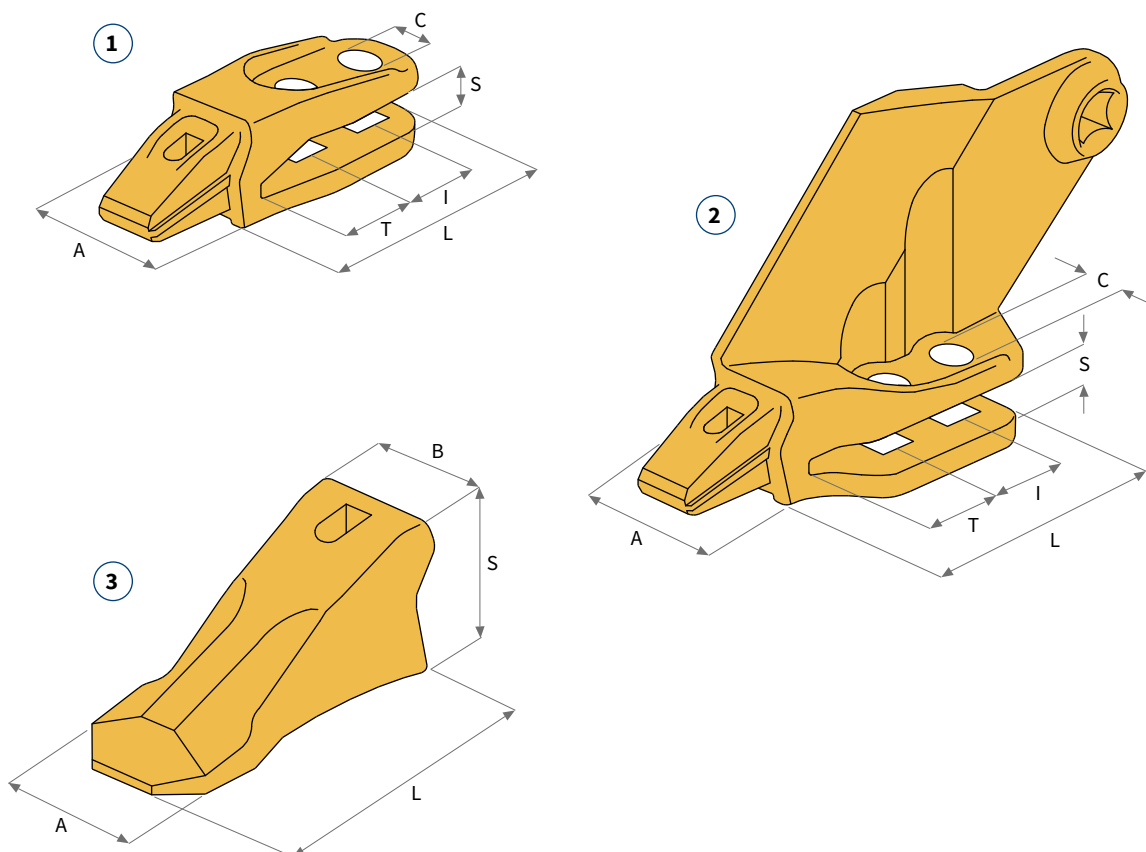
Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
3	E 26	332/C4388 333/D8455 400/F0341	258	54	54	44,5	22	20,5	2,5	E 622 B / E 622 N
4	E 26 R	332/C4390 333/D8457 400/F0345	260	54	54	44,5	22	20,5	4,8	E 622 B / E 622 N
4	E 26 L	332/C4389 333/D8456 400/F0343	260	54	54	44,5	22	20,5	4,8	E 622 B / E 622 N



Silver JCB system

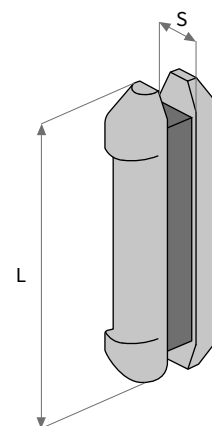
- › Sistema Silver **JCB**
- › System Silver **JCB**
- › Système Silver **JCB**
- › Система Silver **JCB**
- › Conjunto Silver **JCB**



Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

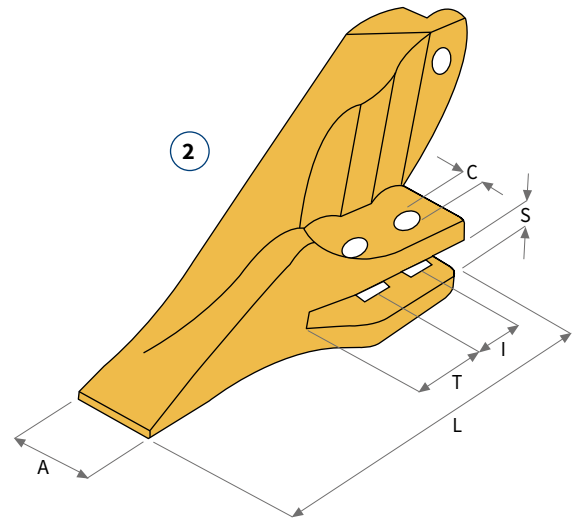
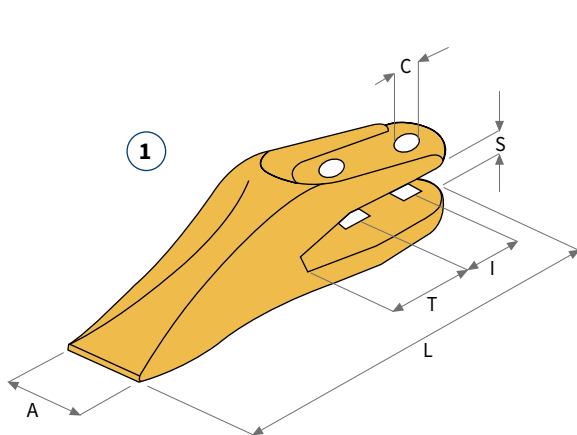
	OUR REF.	L	A	B	T	I	S	C	KG	BOLT / NUT	LOCK
1	E 704	133	56	-	51	44,5	22	21	2,1	E 622 B / E 622 N	E 745
2	E 704 R	133	56	-	51	44,5	22	21	4,4	E 622 B / E 622 N	E 745
2	E 704 L	133	56	-	51	44,5	22	21	4,4	E 622 B / E 622 N	E 745
3	E 724	127	57	56	-	-	61	-	1,1	-	E 745

OUR REF.	L	S	KG
E 745	56	10	0,05



Case - New Holland type fork teeth

- › Denti a forcella tipo **Case - New Holland**
- › Gabelzähne Typ **Case - New Holland**
- › Dents à fourche type **Case - New Holland**
- › Вильчатые зубья **Case - New Holland**
- › Dientes enterizos tipo **Case - New Holland**

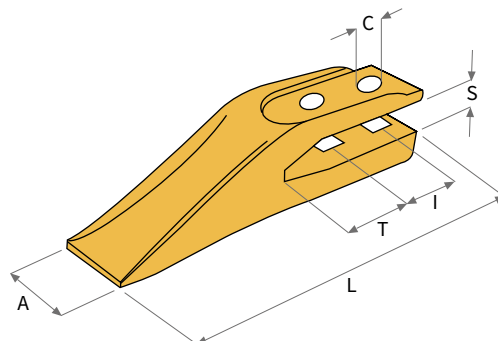


Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

		#	L	A	T	I	S	C		
OUR REF.	PART NO.								KG	BOLT / NUT
1	E 29	85801109 85811440	270	62	51	75	22	17	3,3	E 620.1 B E 620 N
2	E 29 R	85801377 85824017	270	52	51	75	22	17	5,0	E 620.1 B E 620 N
2	E 29 L	85801376 85824016	270	52	51	75	22	17	5,0	E 620.1 B E 620 N

Terex - Fermec - MF type fork teeth

- › Denti a forcella tipo **Terex - Fermec - MF**
- › Gabelzähne Typ **Terex - Fermec - MF**
- › Dents à fourche type **Terex - Fermec - MF**
- › Вильчатые зубья **Terex - Fermec - MF**
- › Dientes enterizos tipo **Terex - Fermec - MF**

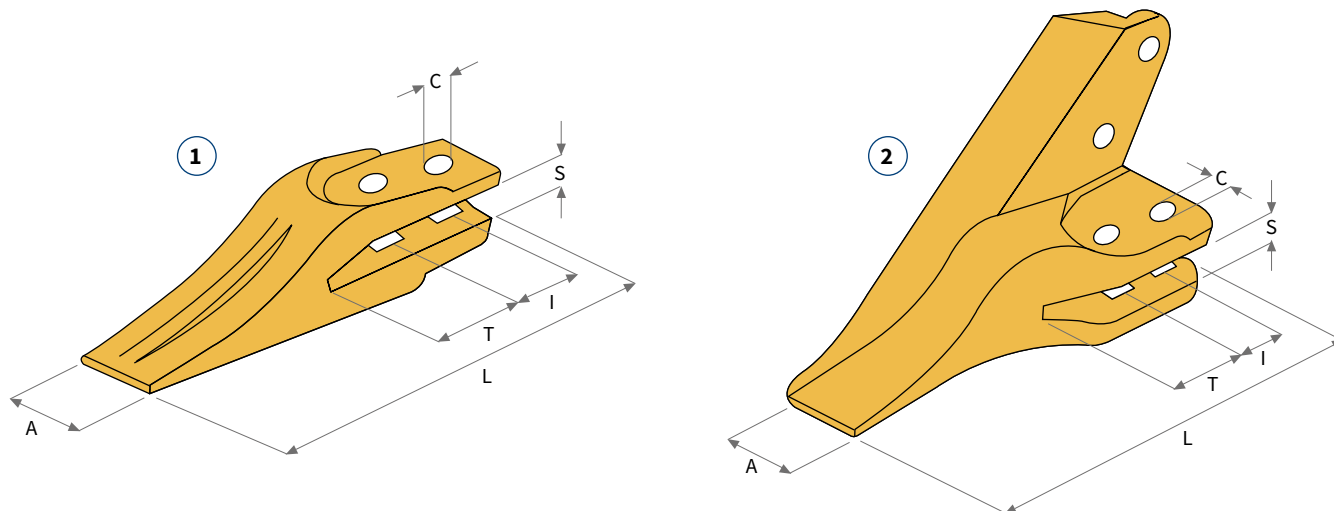


Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

	#	L	A	T	I	S	C		
OUR REF.	PART NO.							KG	BOLT / NUT
E 23	846602M1 1462200M1	255	60	-	51	29	17,5	2,7	E 620 B / E 620 N
E 24	842740M1 1462201M2	240	58	-	53	27	17,5	2,5	E 620 B / E 620 N

Komatsu type fork teeth

- › Denti a forcella tipo **Komatsu**
- › Gabelzähne Typ **Komatsu**
- › Dents à fourche type **Komatsu**
- › Вильчатые зубья **Komatsu**
- › Dientes enterizos tipo **Komatsu**

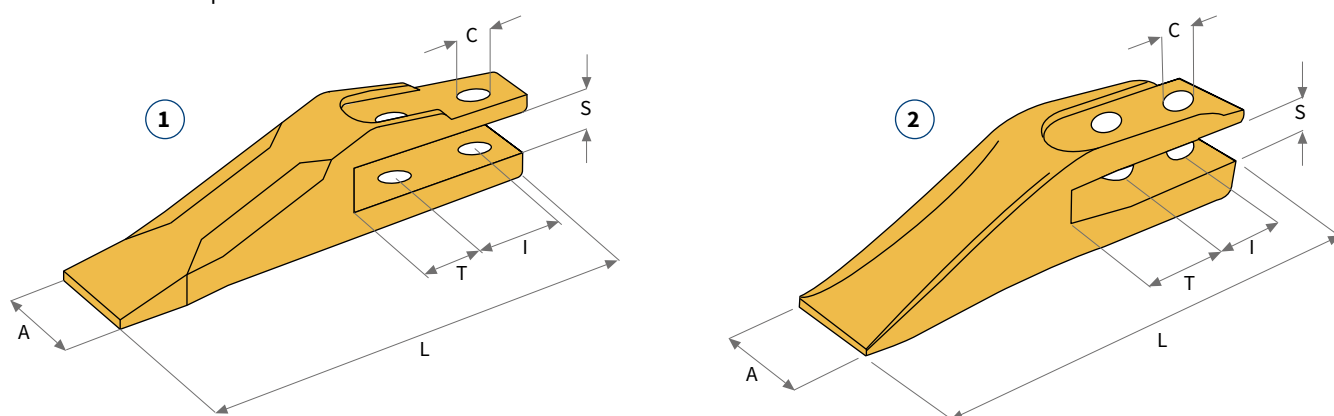


Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
1	E 27	312204054 42N-883-1390	285	50	51	80	22	18	3,7	E 620 B / E 620 N
2	E 27 R	312204052 42N-812-1230	300	50	47,5	80	22	18	6,7	E 620 B / E 620 N
2	E 27 L	312204053 42N-812-1220	300	50	47,5	80	22	18	6,7	E 620 B / E 620 N

Kubota type fork teeth

- › Denti a forcella tipo **Kubota**
- › Gabelzähne Typ **Kubota**
- › Dents à fourche type **Kubota**
- › Вильчатые зубья **Kubota**
- › Dientes enterizos tipo **Kubota**

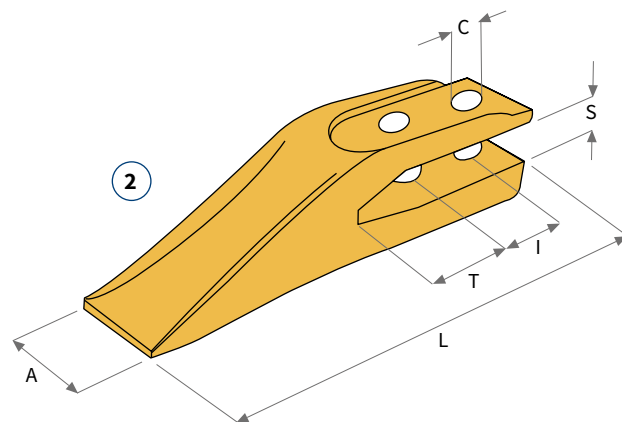
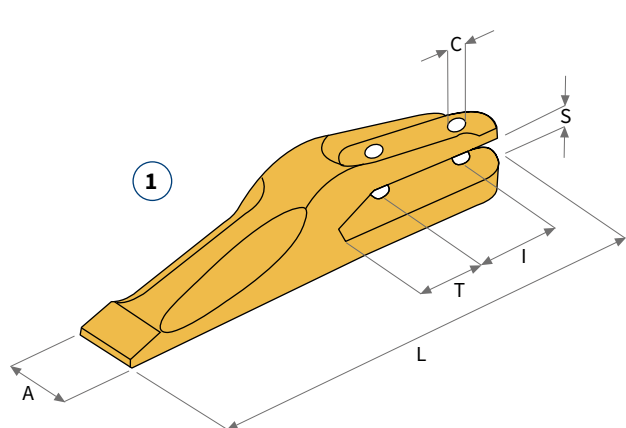


Mini excavators | Mini escavatori | Minibagger | Mini excavateurs | Мини экскаваторы | Miniexcavadoras

	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
1	E 19	68131-6691-2	213	40	36	55	17	16	1,9	E 603 B / E 603 N E 605 B / E 605 N
2	E 20.7	-	222	53	36	55	17	16	1,8	E 603 B / E 603 N E 605 B / E 605 N

Fiat type fork teeth

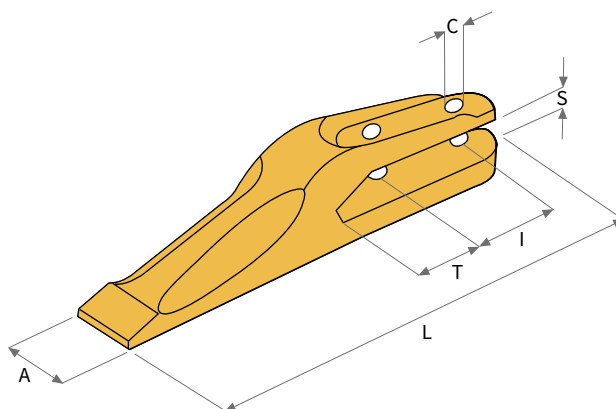
- › Denti a forcella tipo **Fiat**
- › Gabelzähne Typ **Fiat**
- › Dents à fourche type **Fiat**
- › Вильчатые зубья **Fiat**
- › Dientes enterizos tipo **Fiat**



	MODEL	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
2	FL 4	E 30.1	8269750	275	61	66	65	22	13	2,7	E 600.1 B / E 600 N
1	FL 5 - 7 FB 7 FR 5-7-9	E 34	8289503 79051858 79055215	350	65	62	110	22	19	4,8	E 609 B / E 609 N
1	FL 10 B - C FR 10 B - 12 B - 130	E 35	8290419 79050862 79089168	400	68	80	120	27	21	6,5	E 608 B / E 608 N
1	FL 14 B - C FR 15 B - 160	E 37	8288589 79050856 79050866	460	80	86	145	34	25	10,5	E 610 B / E 610 N

Hanomag type fork teeth

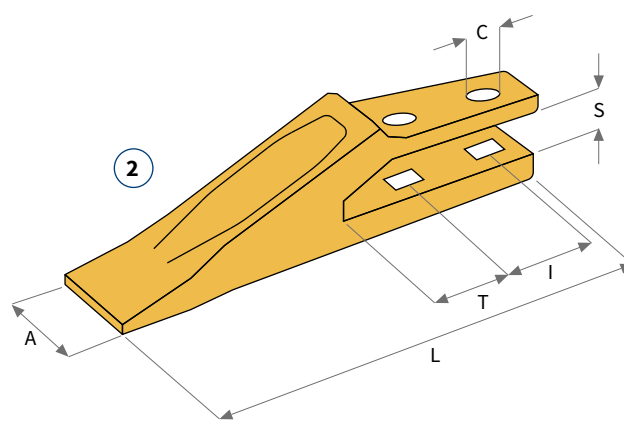
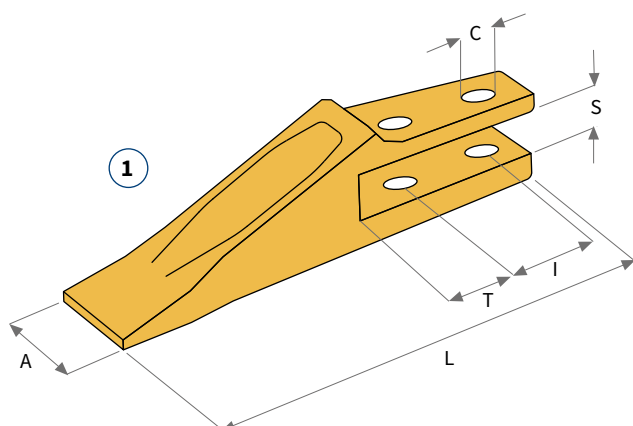
- › Denti a forcella tipo **Hanomag**
- › Gabelzähne Typ **Hanomag**
- › Dents à fourche type **Hanomag**
- › Вильчатые зубья **Hanomag**
- › Dientes enterizos tipo **Hanomag**



MODEL	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
44 C - 55 C 55 D - 55 E	E 41	2952086 M1 773956731 777956706	435	75	95	135	32	17	7,7	E 605.1 B / E 605 N

Caterpillar type fork teeth for mini excavators and backhoe loaders

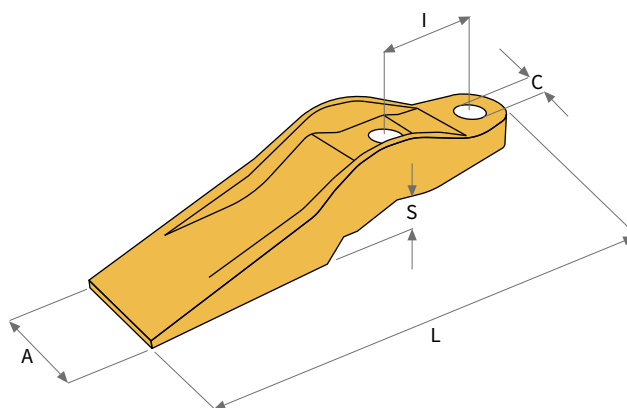
- › Denti a forcella tipo **Caterpillar** per mini escavatori e terne
- › Gabelzähne Typ **Caterpillar** für Minibagger und Baggerlader
- › Dents à fourche type **Caterpillar** pour mini excavateurs et tracto-pelles
- › Вильчатые зубья для мини экскаваторов и экскаваторов-погрузчиков **Caterpillar**
- › Dientes enterizos tipo **Caterpillar** para miniexcavadoras y retroexcavadoras



	MODEL	 OUR REF.	# PART NO.	L	A	T	I	S	C	 KG	 BOLT / NUT
1	301.5	E 14	138-6410	185	41	30	45	11	13	1,1	-
2	302.5 - 303.5	E 16	135-9390	236	44	45	50	17	17	1,8	E 616.2 B / E 605 N
2	304.5 - 416 - 426 428 - 438	E 32	135-8203 - 6Y6335 9W1879	280	52	51	75	22	17	2,8	E 620 B / E 620 N

Caterpillar type bolt-on teeth for mini loaders

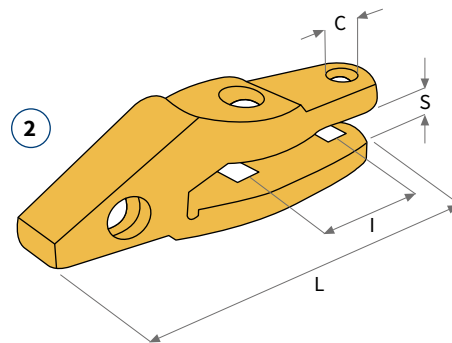
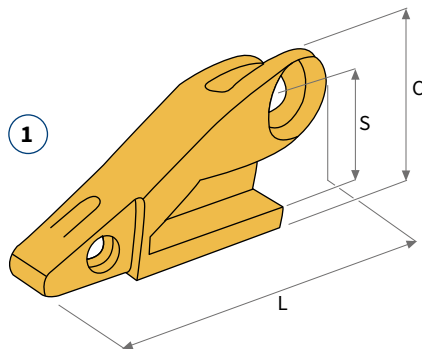
- › Denti ad imbullonare tipo **Caterpillar** per mini pale
- › Zähne zum Anschrauben Typ **Caterpillar** für Minilader
- › Dents à boulonner type **Caterpillar** pour mini pelleschargeuses
- › Прикручиваемые зубья для мини погрузчиков **Caterpillar**
- › Dientes atornillables tipo **Caterpillar** para minipalas



MODEL	 OUR REF.	# PART NO.	L	A	I	S	C	 KG	 BOLT / NUT
216 - 226 - 236 - 246 902 - 906 - 908	E 8	132-4720	236	61	60	20	17	2,0	E 616.1 B / E 605 N

Caterpillar type bolt-on adapters for loaders

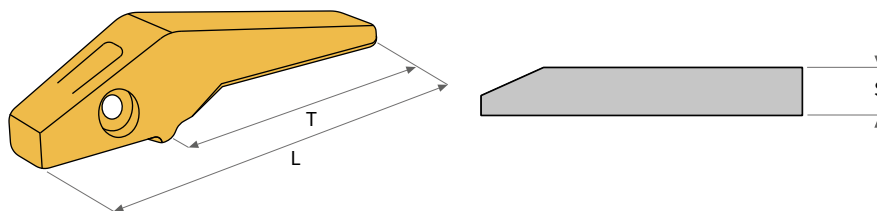
- › Portapunta ad imbullonare tipo **Caterpillar** per pale
- › Zahnhalter zum Anschrauben Typ **Caterpillar** für Lader
- › Porte-dent à boulonner type **Caterpillar** pour pelleschargeuses
- › Прикручиваемые адаптеры **Caterpillar** для погрузчиков
- › Adaptadores atornillables tipo **Caterpillar** para palas



	MODEL	OUR REF.	# PART NO.	SIZE	L	I	S	C	KG	TIP
2	916 - 920 - 926 930 - 936 - 941 943 - 951 - 953	E 303	8J6656 - 1U0257	J 250	341	124	27	27	8,3	E 352 C - HDL
1		E 303 R	3G4259	J 250	293	-	105	179	9,5	E 352 C - HDL
1		E 303 L	3G4258	J 250	293	-	105	179	9,5	E 352 C - HDL
2	944 - 950 - 953 B	E 304	8J6587 - 1U0307	J 300	355	124	27	27	10,1	E 353 C - HDA - HDL - R - S
1		E 304 R	3G4309	J 300	339	-	118	199	14,0	E 353 C - HDA - HDL - R - S
1		E 304 L	3G4308	J 300	339	-	118	199	14,0	E 353 C - HDA - HDL - R - S

Caterpillar type weld-on adapters for loaders

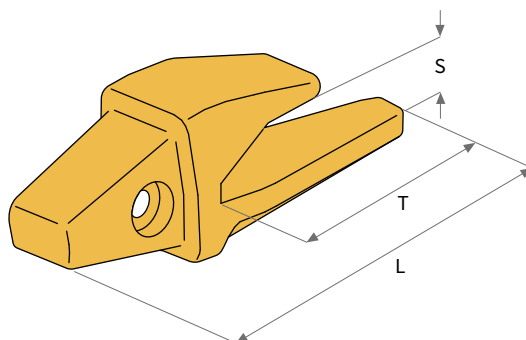
- › Portapunta a saldare tipo **Caterpillar** per pale
- › Zahnhalter zum Anschweißen Typ **Caterpillar** für Lader
- › Porte-dent à souder type **Caterpillar** pour pelleschargeuses
- › Привариваемые адаптеры **Caterpillar** для погрузчиков
- › Adaptadores a soldar tipo **Caterpillar** para palas



MODEL	OUR REF.	# PART NO.	SIZE	L	T	S	KG	TIP	KG
416 - 426 - 428 910 - 931 - 935	E 310	4T1204	J 200	233	138	15-20	1,9	E 350	6000
916 - 920 - 926 930 - 936 - 941 943 - 951 - 953	E 311	1U1254 9J4254	J 250	340	230	20-30	5,3	E 352 C - HDL	10000
944 - 950 - 955 963 - 966 C	E 312	1U1304 9J4304	J 300	355	235	25-35	7,7	E 353 C - HDL - R - S	13000
966 D - 973 977 - 980	E 313	1U1354 9J4354	J 350	425	286	35-40	14,0	E 354 C - HDA - HDL - R - S	16000
983 - 988	E 314.1	8E0464	J 460	485	291	45-50	19,7	E 356 C - HDL - R - S	25000

Caterpillar type weld-on adapters for excavators

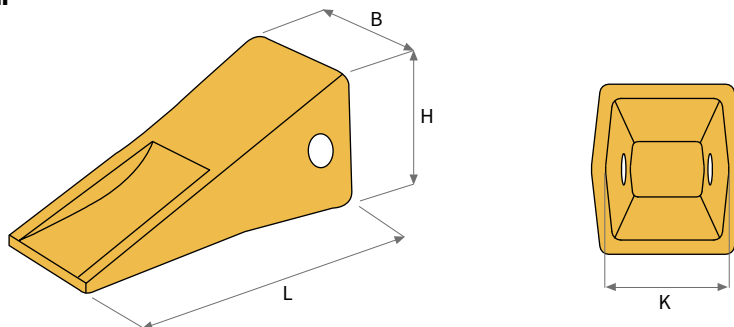
- › Portapunta a saldare tipo **Caterpillar** per escavatori
- › Zahnhalter zum Anschweißen Typ **Caterpillar** für Bagger
- › Porte-dent à souder type **Caterpillar** pour excavateurs
- › Привариваемые адаптеры **Caterpillar** для экскаваторов
- › Adaptadores a soldar tipo **Caterpillar** para excavadoras



MODEL	 OUR REF.	# PART NO.	SIZE	L	T	S	 KG	 TIP	 KG	 TON
416-426-428-436	E 320	119-3205 8J7525	J 200	180	100	22	1,6	E 350	6000	4,0 → 6,0
E 70-307-308 446	E 321	195-7224	J 225	226	136	27	2,8	E 351	8000	7,0 → 10,0
E 200-205-213 214-311-312	E 322	6Y3254	J 250	255	152	27	3,8	E 352 C - HDL	10000	11,0 → 15,0
E 180-200-215 315-320	E 323	3G6304 9W1304	J 300	304	183	33	6,7	E 353 C - HDL - PR - RC - S - SP - T	13000	16,0 → 20,0
E 180-200-215 315-320	E 323.1	8E9490	J 300	304	183	37	7,2	E 353 C - HDL - PR - RC - S - SP - T	13000	16,0 → 20,0
E 240-225-320 321	E 324	6I6354	J 350	345	206	43	8,5	E 354 C - HDL - PR - RC - S - SP - T	16000	21,0 → 23,0
E 240-225-320 321	E 324.1	-	J 350	345	206	37	10,1	E 354 C - HDL - PR - RC - S - SP - T	16000	21,0 → 23,0
231-322-325	E 325	6I6404 7T3404	J 400	385	230	47	13,3	E 355 HDL - S	20000	24,0 → 29,0
E 300-235-325 330	E 326.1	159-0464 8E6464 6I6464	J 460	440	283	52	20,3	E 356 C - HDL - PR - S	25000	30,0 → 39,0
245-330	E 327	6I6554 1U1553 9J0174	J 550	513	340	63	32,4	E 357 C - HDL - PR - S	40000	40,0 → 60,0

Caterpillar type long tips

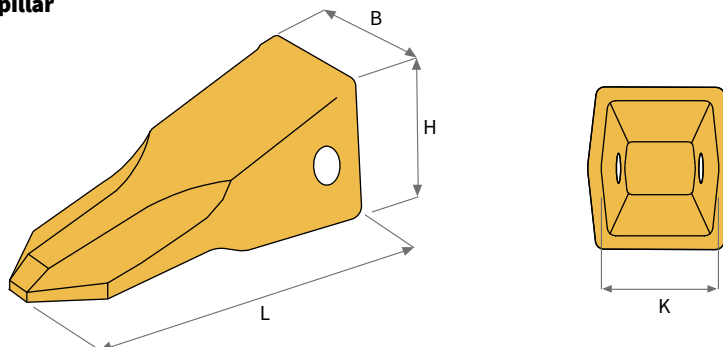
- › Punte lunghe tipo **Caterpillar**
- › Lange Zahnspitzen Typ **Caterpillar**
- › Dents longues type **Caterpillar**
- › Длинные коронки **Caterpillar**
- › Puntas largas tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 350	1U3202	J 200	148	55	63	40	1,3	E 310 - E 320	E 370	E 380 E 380.1
E 351	6Y3222	J 225	171	60	79	49	1,9	E 321	E 371	E 381
E 352	1U3252	J 250	193	65	85	55	2,5	E 303 - E 311 E 322	E 372	E 381 E 381.1 / E 381.2
E 353	1U3302	J 300	220	88	96	67	4,1	E 304 - E 312 E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354	1U3352	J 350	243	90	105	75	5,5	E 313 - E 324 E 324.1	E 374	E 382 E 382.1 / E 382.2
E 355	7T3402	J 400	273	105	127	88	9,3	E 325	E 375	E 383 E 383.2
E 356	9W8452 1U3452	J 460	300	116	125	98	11,0	E 314.1 E 326.1	E 377	E 384 E 384.2
E 357	9W8552 1U3552	J 550	333	140	142	120	17,8	E 327	E 378	E 385 E 385.1

Caterpillar type rock chisel tips

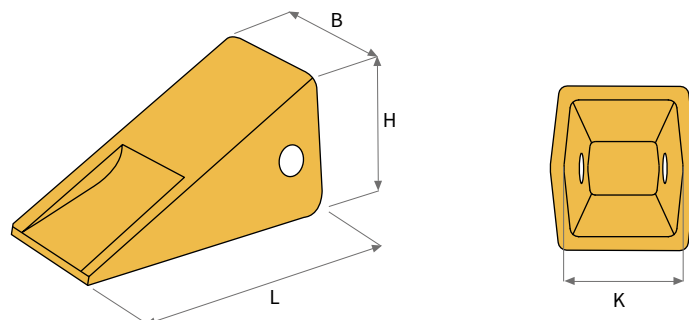
- › Punte rock chisel tipo **Caterpillar**
- › Rock chisel Zahnspitzen Typ **Caterpillar**
- › Dents rock chisel type **Caterpillar**
- › Коронки rock chisel **Caterpillar**
- › Puntas rock chisel tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 RC	1U3302 RC	J 300	245	92	104	67	5,2	E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 RC	1U3352 RC	J 350	271	105	121	75	7,5	E 324 - E 324.1	E 374	E 382 E 381.1 / E 382.2

Caterpillar type short tips

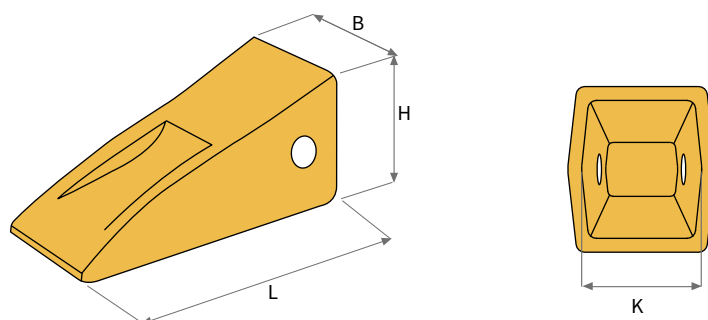
- › Punte corte tipo **Caterpillar**
- › Kurze Zahnspitzen Typ **Caterpillar**
- › Dents courtes type **Caterpillar**
- › Короткие коронки **Caterpillar**
- › Puntas cortas tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 352 C	1U3251	J 250	167	65	86	55	2,3	E 303 - E 311 E 322	E 372	E 381 E 381.1 / E 381.2
E 353 C	1U3301	J 300	190	84	97	67	3,6	E 304 - E 312 E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 C	1U3351	J 350	213	95	109	75	5,2	E 313 - E 324 E 324.1	E 374	E 382 E 382.1 / E 382.2
E 356 C	9W8451 1U3451	J 460	272	120	133	98	10,8	E 314.1 E 326.1	E 377	E 384 E 384.2

Caterpillar type heavy duty long tips

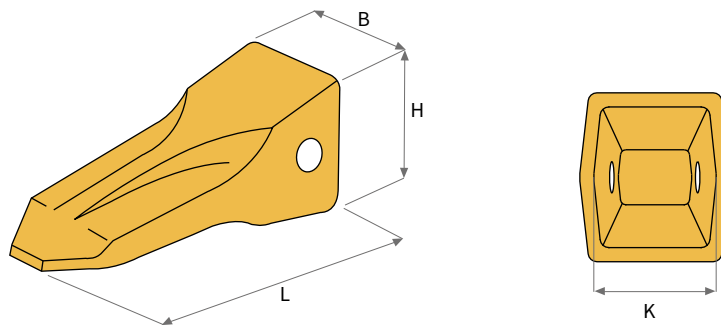
- › Punte heavy duty lunghe tipo **Caterpillar**
- › Lange heavy duty Zahnspitzen Typ **Caterpillar**
- › Dents heavy duty longues type **Caterpillar**
- › Длинные коронки heavy duty **Caterpillar**
- › Puntas largas heavy duty tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 352 HDL	9N4252	J 250	200	66	92	55	3,4	E 303 - E 311 E 322	E 372	E 381 E 381.1 / E 381.2
E 353 HDL	9N4302	J 300	226	81	105	67	5,1	E 304 - E 312 E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 HDL	9N4352	J 350	260	94	115	75	7,5	E 313 - E 324 E 324.1	E 374	E 382 E 382.1 / E 382.2
E 355 HDL	8E4402	J 400	287	110	131	88	10,8	E 325	E 375	E 383 E 383.2
E 356 HDL	9N4452	J 460	325	125	145	98	17,1	E 314.1 E 326.1	E 377	E 384 E 384.2
E 357 HDL	9N4552	J 550	360	140	160	120	24,3	E 327	E 378	E 385 E 385.1

Caterpillar type penetration plus tips

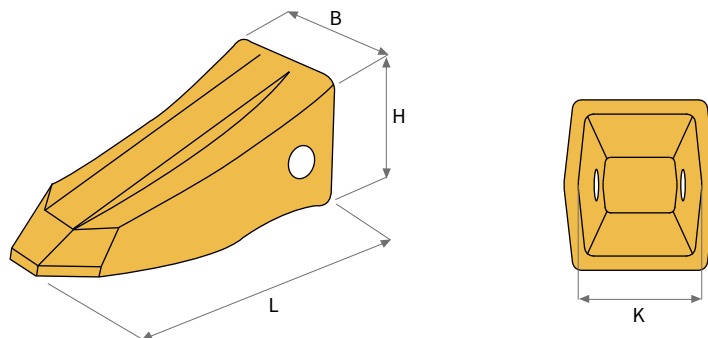
- › Punte penetrazione plus tipo **Caterpillar**
- › Penetration plus Zahnsitzen Typ **Caterpillar**
- › Dents penetration plus type **Caterpillar**
- › Коронки penetration plus **Caterpillar**
- › Puntas penetración plus tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 PR	183-5300	J 300	238	80	105	67	5,2	E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 PR	168-1359	J 350	260	93	120	75	7,1	E 324 - E 324.1	E 374	E 382 E 382.1 / E 382.2
E 356 PR	159-0459	J 460	330	126	140	98	14,5	E 326.1	E 377	E 384 E 384.2
E 357 PR	159-0559	J 550	370	167	164	120	23,0	E 327	E 378	E 385

Caterpillar type reinforced tips for loaders

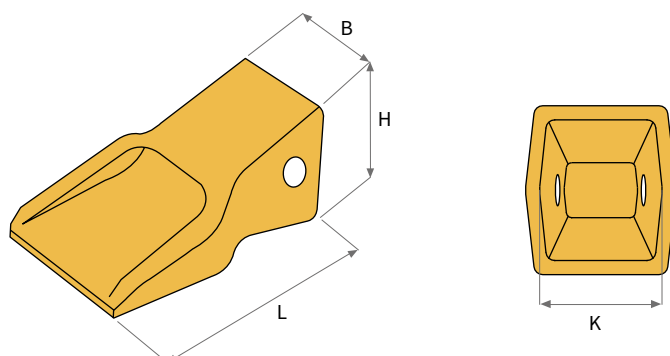
- › Punte rinforzate tipo **Caterpillar** per pale
- › Verstärkte Zahnsitzen Typ **Caterpillar** für Lader
- › Dents renforcées type **Caterpillar** pour pelleschargeuses
- › Коронки усиленные **Caterpillar** для погрузчиков
- › Puntas reforzadas tipo **Caterpillar** para palas



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 R	135-9300	J 300	235	82	105	67	5,6	E 304 - E 312	E 373	E 381 E 381.1 / E 381.2
E 354 R	144-1358	J 350	275	98	118	75	9,0	E 313	E 374	E 382 E 382.1 / E 382.2
E 356 R	138-6451	J 460	350	132	144	98	18,4	E 314.1	E 377	E 384 E 384.2

Caterpillar type heavy duty abrasion tips

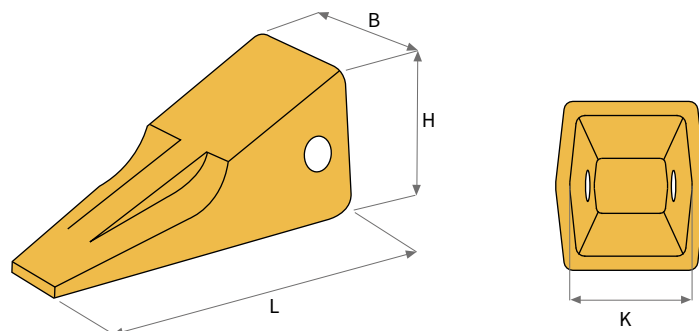
- › Punte heavy duty abrasive tipo **Caterpillar**
- › Abschleifende heavy duty Zahnspitzen Typ **Caterpillar**
- › Dents heavy duty abrasives type **Caterpillar**
- › Коронки абразивные heavy duty **Caterpillar**
- › Puntas de abrasión heavy duty tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 HDA	9N4303	J 300	225	80	104	67	7,2	E 304 - E 312	E 373	E 381 E 381.1 / E 381.2
E 354 HDA	9N4353	J 350	253	95	113	75	10,8	E 313	E 374	E 382 E 382.1 / E 382.2

Caterpillar type penetration tips

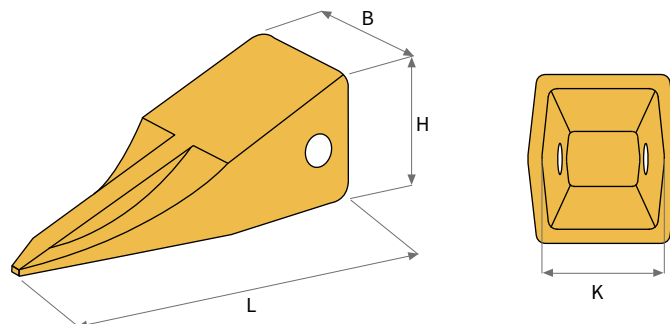
- › Punte penetrazione tipo **Caterpillar**
- › Scharfe Zahnspitzen Typ **Caterpillar**
- › Dents penetration type **Caterpillar**
- › Коронки для проникновения **Caterpillar**
- › Puntas penetración tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 S	9J4309	J 300	220	90	99	67	3,8	E 304 - E 312 E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 S	9J4359	J 350	250	98	108	75	5,4	E 313 - E 324 E 324.1	E 374	E 382 E 382.1 / E 382.2
E 355 S	6Y7409	J 400	275	110	130	88	8,0	E 325	E 375	E 383 E 383.2
E 356 S	9W8459 9J4459	J 460	300	120	132	98	9,8	E 314.1 E 326.1	E 377	E 384 E 384.2
E 357 S	9W8559 9J4559	J 550	344	144	150	120	14,3	E 327	E 378	E 385 E 385.1

Caterpillar type sharp tips

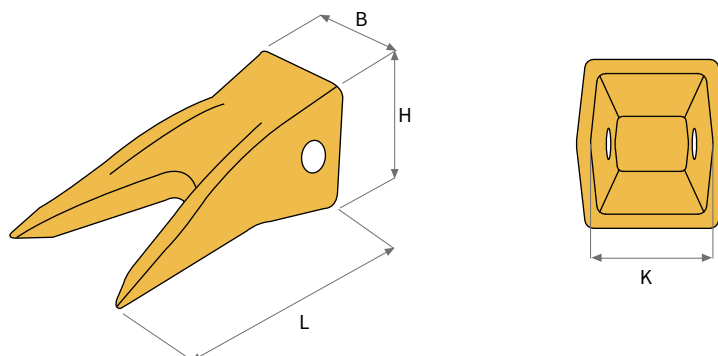
- › Punta a punta tipo **Caterpillar**
- › Konische Zahnsitzen Typ **Caterpillar**
- › Dents effilées type **Caterpillar**
- › Заостренные коронки **Caterpillar**
- › Puntas a punta tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 SP	9W8309	J 300	225	80	96	67	3,2	E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 SP	9W2359	J 350	255	92	109	75	5,3	E 324 - E 324.1	E 374	E 382 E 382.1 / E 382.2

Caterpillar type twin sharp tips

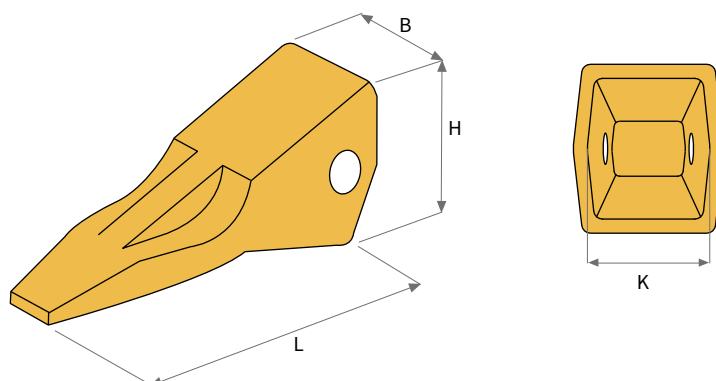
- › Punta a doppia punta tipo **Caterpillar**
- › V - Zahnsitzen Typ **Caterpillar**
- › Dents à deux pointes type **Caterpillar**
- › Двойные заостренные коронки **Caterpillar**
- › Puntas doble vector tipo **Caterpillar**



OUR REF.	# PART NO.	SIZE	L	B	H	K	KG	ADAPTER	PIN	RETAINER
E 353 T	135-9308	J 300	233	80	103	67	4,7	E 323 - E 323.1	E 373	E 381 E 381.1 / E 381.2
E 354 T	135-9357	J 350	272	92	110	75	6,6	E 324 - E 324.1	E 374	E 382 E 382.1 / E 382.2

Caterpillar type ripper tips

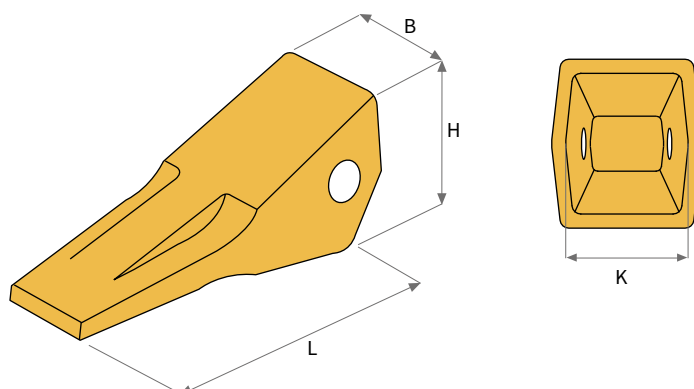
- › Punte ripper tipo **Caterpillar**
- › Ripper Zahnsitzen Typ **Caterpillar**
- › Dents ripper type **Caterpillar**
- › Коронки рыхлителя **Caterpillar**
- › Puntas ripper tipo **Caterpillar**



MODEL	 OUR REF.	# PART NO.	L	B	H	K	 KG	 PIN
D4 963 - 12 - 14	E 360	6Y0309 9J8910	295	75	107	60	4,5	E 365 + E 366
D5 - D6 - D7 973 - 16	E 361	6Y0359 9J8920	355	90	145	80	11,4	E 367 + E 366
D9L - D9RHD D10 - D10N - D10R	E 364 M	4T5502	435	130	230	106	27,5	E 369 E 369.1 + E 369.2

Caterpillar type ripper tips

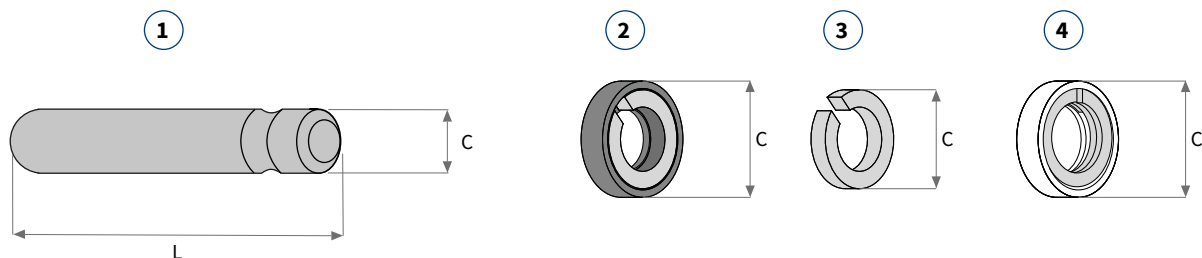
- › Punte ripper tipo **Caterpillar**
- › Ripper Zahnsitzen Typ **Caterpillar**
- › Dents ripper type **Caterpillar**
- › Коронки рыхлителя **Caterpillar**
- › Puntas ripper tipo **Caterpillar**



MODEL	 OUR REF.	# PART NO.	L	B	H	K	 KG	 PIN
D8 - D8C - D8L D8H - D8K - D8N D9H - D9N - D9R	E 362 C	9W2451	325	115	168	85	14,2	E 368 E 368.1 + E 368.2

Pins and retainers for Caterpillar type tips

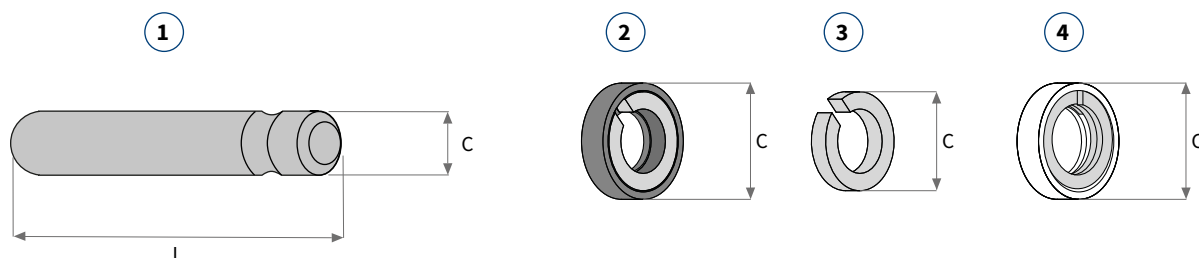
- › Perni e rondelle per punte tipo **Caterpillar**
- › Bolzen und Ringe für Zahnsitzen Typ **Caterpillar**
- › Axes et rondelles pour dents type **Caterpillar**
- › Пальцы и шайбы для коронок **Caterpillar**
- › Pasadores y arandelas para puntas tipo **Caterpillar**



	OUR REF.	# PART NO.	SIZE	L	C	ADAPTER	TIP
1	E 370	8E6208 / 1U4208 / 9W7112	J 200	57	11	E 310 - E 320	E 350
2	E 380	8E6209	J 200	-	22	E 310 - E 320	E 350
3	E 380.1	4T0001	J 200	-	18	E 310 - E 320	E 350
1	E 371	6Y3228 / 132-4762	J 225	65	14	E 321	E 351
2	E 381	8E6259	J 225	-	30	E 321	E 351
3	E 381.1	3G9609 / 8J5309	J 225	-	27	E 321	E 351
4	E 381.2	149-5733	J 225	-	30	E 321	E 351
1	E 372	8E6258 / 9J2258	J 250	77	14	E 303 - E311 E 322	E 352 C - HDL
2	E 381	8E6259	J 250	-	30	E 303 - E311 E 322	E 352 C - HDL
3	E 381.1	3G9609 / 8J5309	J 250	-	27	E 303 - E311 E 322	E 352 C - HDL
4	E 381.2	149-5733	J 250	-	30	E 303 - E311 E 322	E 352 C - HDL
1	E 373	9J2308 / 8J5308 / 107-3308	J 300	92	14	E 304 - E 312 E 323 - E 323.1	E 353 C - HDA - HDL PR - R - RC - S - SP - T
2	E 381	8E6259	J 300	-	30	E 304 - E 312 E 323 - E 323.1	E 353 C - HDA - HDL PR - R - RC - S - SP - T
3	E 381.1	3G9609 / 8J5309	J 300	-	27	E 304 - E 312 E 323 - E 323.1	E 353 C - HDA - HDL PR - R - RC - S - SP - T
4	E 381.2	149-5733	J 300	-	30	E 304 - E 312 E 323 - E 323.1	E 353 C - HDA - HDL PR - R - RC - S - SP - T

Pins and retainers for Caterpillar type tips

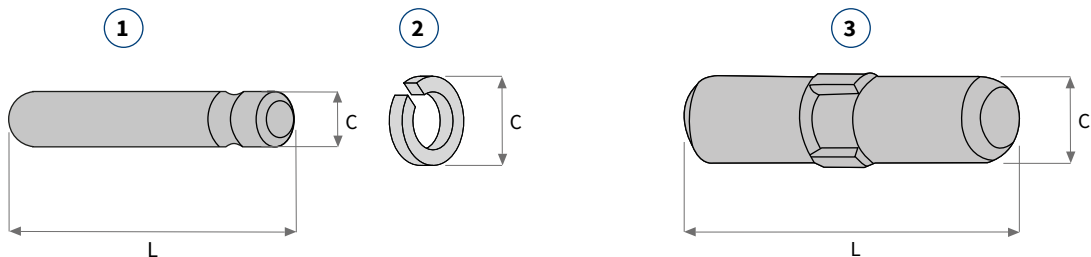
- › Perni e rondelle per punte tipo **Caterpillar**
- › Bolzen und Ringe für Zahnsitzen Typ **Caterpillar**
- › Axes et rondelles pour dents type **Caterpillar**
- › Пальцы и шайбы для коронок **Caterpillar**
- › Pasadores y arandelas para puntas tipo **Caterpillar**



	 OUR REF.	# PART NO.	SIZE	L	C	 ADAPTER	 TIP
1	E 374	8E6358 / 9J2358	J 350	105	19	E 313 - E 324 E 324.1	E 354 C - HDA - HDL PR - R - RC - S - SP - T
2	E 382	8E6359	J 350	-	39	E 313 - E 324 E 324.1	E 354 C - HDA - HDL PR - R - RC - S - SP - T
3	E 382.1	3G9549	J 350	-	32	E 313 - E 324 E 324.1	E 354 C - HDA - HDL PR - R - RC - S - SP - T
4	E 382.2	114-0359	J 350	-	39	E 313 - E 324 E 324.1	E 354 C - HDA - HDL PR - R - RC - S - SP - T
1	E 375	7T3408 / 116-7408	J 400	118	22	E 325	E 355 HDL - S
2	E 383	8E8409	J 400	-	43	E 325	E 355 HDL - S
4	E 383.2	116-7409	J 400	-	43	E 325	E 355 HDL - S
1	E 376	6Y2527 / 1U1458 / 4T1458	J 450	130	19	(7T8454) (1U1454)	E 356 C - HDL PR - R - S
2	E 382	8E6359	J 450	-	39	(7T8454) (1U1454)	E 356 C - HDL PR - R - S
3	E 382.1	3G9549 / 7J6845	J 450	-	32	(7T8454) (1U1454)	E 356 C - HDL PR - R - S
4	E 382.2	114-0359	J 450	-	39	(7T8454) (1U1454)	E 356 C - HDL PR - R - S
1	E 377	8E0468 / 114-0468	J 460	133	24	E 314.1 - E 326.1	E 356 C - HDL PR - R - S
2	E 384	8E8469	J 460	-	44	E 314.1 - E 326.1	E 356 C - HDL PR - R - S
4	E 384.2	107-3469	J 460	-	44	E 314.1 - E 326.1	E 356 C - HDL PR - R - S
1	E 378	6Y8558 / 107-3378	J 550	163	25	E 327	E 357 HDL - PR - S
2	E 385	8E5559	J 550	-	52	E 327	E 357 HDL - PR - S
3	E 385.1	3G9559 / 7J9559	J 550	-	48	E 327	E 357 HDL - PR - S
1	E 379	6I6608 / 113-9608	J 600	192	30	(6I6604)	(6I6602)
2	E 386	6I6609	J 600	-	59	(6I6604)	(6I6602)

Pins and retainers for Caterpillar type ripper tips

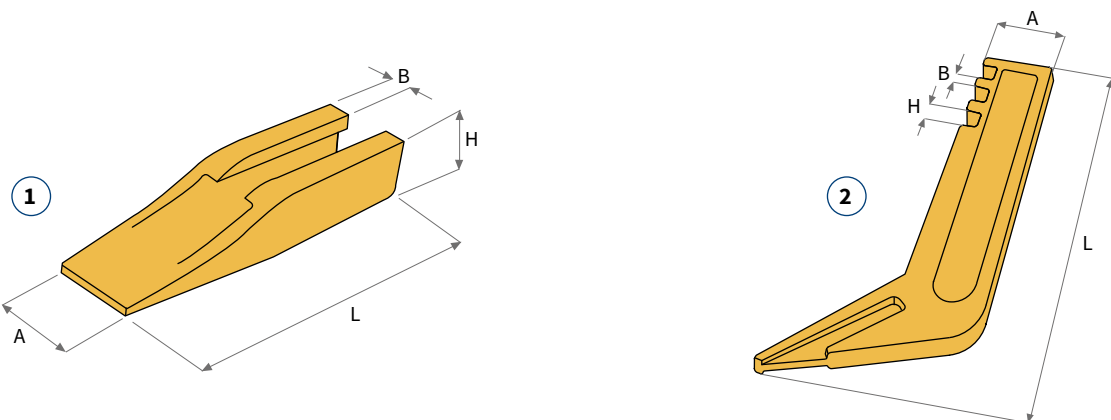
- › Perni e rondelle per punte **ripper** tipo **Caterpillar**
- › Bolzen und Ringe für **Ripper** Zahnsitzen Typ **Caterpillar**
- › Axes et rondelles pour dents **ripper** type **Caterpillar**
- › Пальцы и шайбы для коронок **рыхлителей** **Caterpillar**
- › Pasadores y arandelas para puntas **ripper** tipo **Caterpillar**



	OUR REF.	# PART NO.	L	C	TIP
1	E 365	9W2668	85	19	E 360
2	E 366	1U2405	-	38	E 360
1	E 367	9W2678	105	19	E 361
2	E 366	1U2405	-	38	E 361
3	E 368	7J9600 (4T2479)	120	25	E 362 C
1	E 368.1	6Y3394	125	25	E 362 C
2	E 368.2	8E4743	-	48	E 362 C
3	E 369	3G0500	152	32	E 364 M
1	E 369.1	6Y3909	143	32	E 364 M
2	E 369.2	4T4707	-	64	E 364 M

Caterpillar type grader parts

- › Particolari grader tipo **Caterpillar**
- › Grader Teile Typ **Caterpillar**
- › Pièces pour grader type **Caterpillar**
- › Компоненты для грейдеров **Caterpillar**
- › Piezas para grader tipo **Caterpillar**

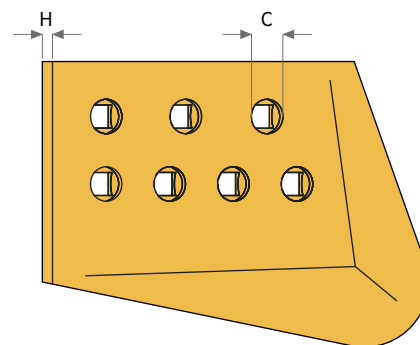


	OUR REF.	# PART NO.	L	A	B	H	KG
1	E 390	2D5572 - 6Y5230	184	45	14	33	1,2
2	E 391	9F5124	425	76	20	20	5,1

Caterpillar type end bits for dozer

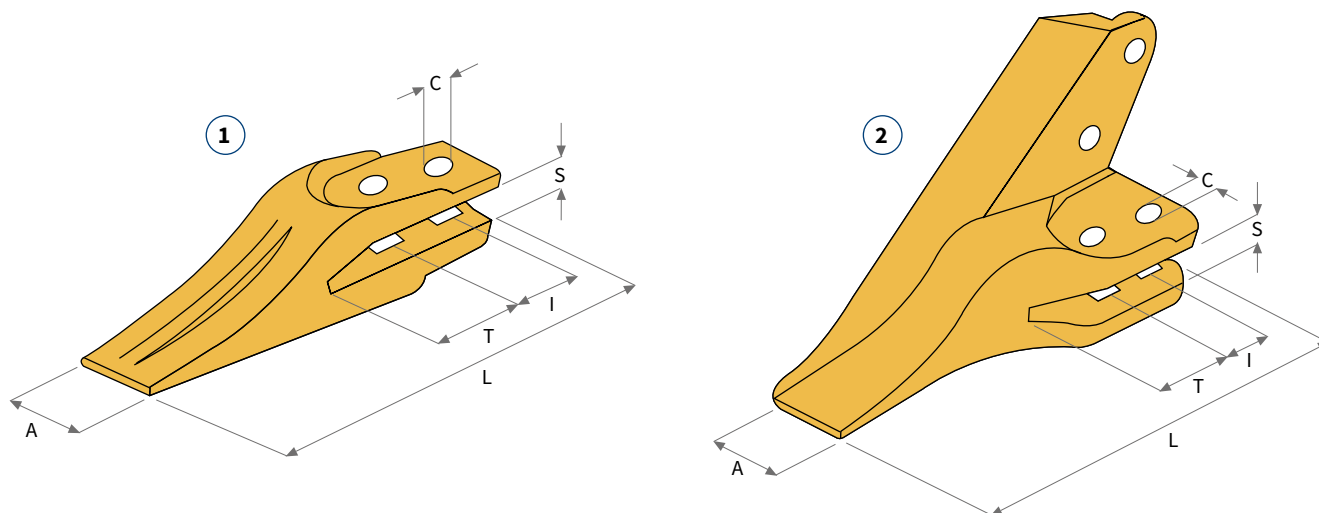
- › Angolari per dozer tipo **Caterpillar**
- › Dozer-Ecken Typ **Caterpillar**
- › Coins pour dozer type **Caterpillar**
- › Угловые ножи для бульдозеров **Caterpillar**
- › Cantoneras para dozer tipo **Caterpillar**

# PART NO.	C (")	H	 Quantity	 KG
3G8293	7/8	25	7	22,1
3G8294	7/8	25	7	22,1
3G8301	1	30	7	25,9
3G8302	1	30	7	25,9
3G8315	7/8	30	7	26,4
3G8316	7/8	30	7	26,4
8E4193	1	35	7	43,0
8E4194	1	35	7	43,0
8E4196	1	50	7	68,4
8E4197	1	50	7	68,4
8E4198	1 ¼	45	7	94,0
8E4199	1 ¼	45	7	94,0
8E4541 - 7T4097	1 ¼	50	7	105,0
8E4542 - 7T4096	1 ¼	50	7	105,0
8E4545 - 9W4491	1 ¼	50	9	128,0
8E4546 - 9W4492	1 ¼	50	9	128,0
9W1875	3/4	30	6	25,3
9W1876	3/4	30	6	25,3



Komatsu type fork teeth

- › Denti a forcella tipo **Komatsu**
- › Gabelzähne Typ **Komatsu**
- › Dents à fourche type **Komatsu**
- › Вильчатые зубы **Komatsu**
- › Dientes enterizos tipo **Komatsu**

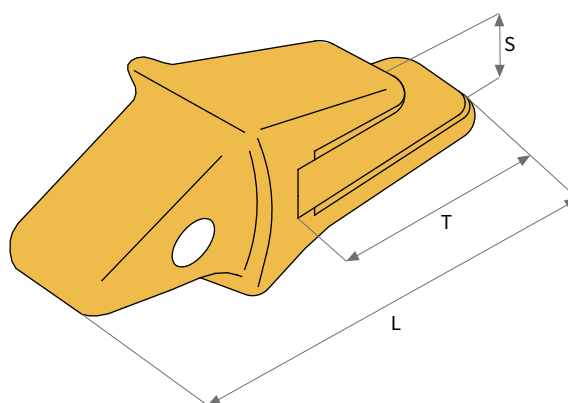


Back-hoe loaders | Terne | Baggerlader | Tracto-pelles | Экскаватор погрузчик | Retroexcavadoras

	OUR REF.	# PART NO.	L	A	T	I	S	C	KG	BOLT / NUT
1	E 27	312204054 42N-883-1390	285	50	51	80	22	18	3,7	E 620 B / E 620 N
2	E 27 R	312204052 42N-812-1230	300	50	47,5	80	22	18	6,7	E 620 B / E 620 N
2	E 27 L	312204053 42N-812-1220	300	50	47,5	80	22	18	6,7	E 620 B / E 620 N

Komatsu type weld-on adapters for excavators

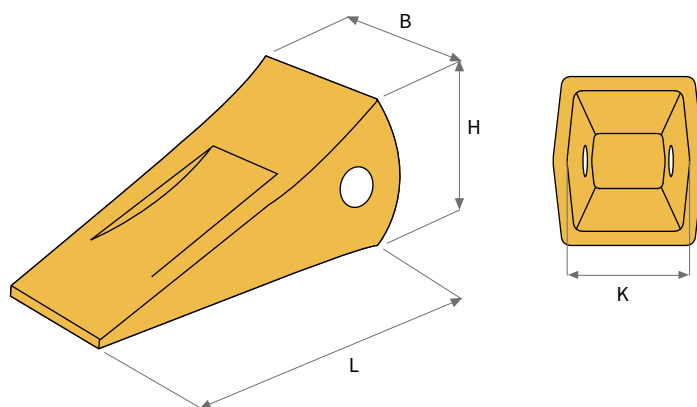
- › Portapunta a saldare tipo **Komatsu** per escavatori
- › Zahnhalter zum Anschweißen Typ **Komatsu** für Bagger
- › Porte-dent à souder type **Komatsu** pour excavateurs
- › Привариваемые адаптеры **Komatsu** для экскаваторов
- › Adaptadores a soldar tipo **Komatsu** para excavadoras



MODEL	OUR REF.	# PART NO.	L	T	S	KG	TIP	KG
PC200 - PC220 PW 210	E 484	205-939-7120	305	185	33	6,2	E 494 E 494 RC	15500
PC300 - PC360	E 485	207-939-3120	340	200	43	12,2	E 495 E 495 RC	22500

Komatsu type tips

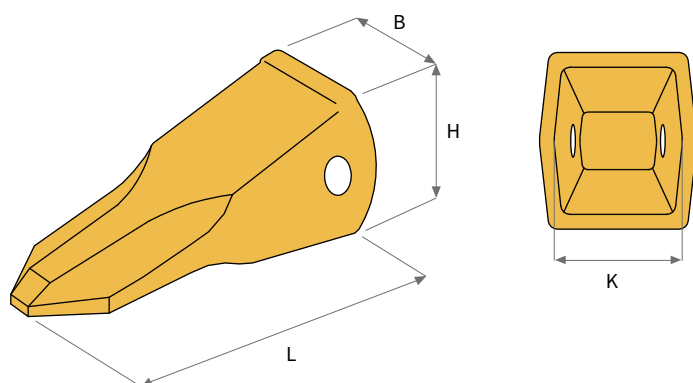
- › Punte tipo **Komatsu**
- › Zahnspitzen Typ **Komatsu**
- › Dents type **Komatsu**
- › Коронки **Komatsu**
- › Puntas tipo **Komatsu**



 OUR REF.	# PART NO.	L	B	H	K	 KG	 ADAPTER	 PIN
E 494	205-70-19570	220	85	100	76	3,9	E 484	E 490
E 495	207-70-14151	238	107	113	93	5,6	E 485	E 491
E 496	208-70-14152	280	140	121	110	9,7	-	E 492

Komatsu type reinforced tips

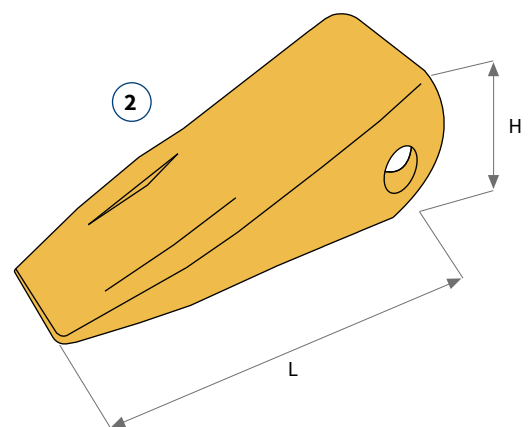
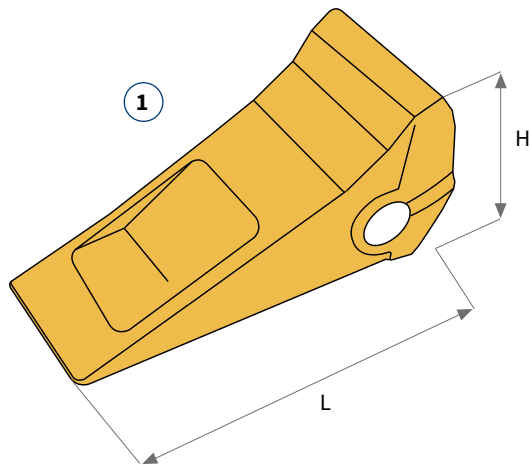
- › Punte rinforzate tipo **Komatsu**
- › Verstärkte Zahnspitzen Typ **Komatsu**
- › Dents renforcées type **Komatsu**
- › Усиленные коронки **Komatsu**
- › Puntas reforzadas tipo **Komatsu**



 OUR REF.	# PART NO.	L	B	H	K	 KG	 ADAPTER	 PIN
E 494 RC	205-70-19570 RC	260	100	112	76	5,7	E 484	E 490
E 495 RC	207-70-14151 RC	292	127	123	93	8,4	E 485	E 491
E 496 RC	208-70-14152 RC	335	152	127	110	13,3	-	E 492

Komatsu type ripper tips

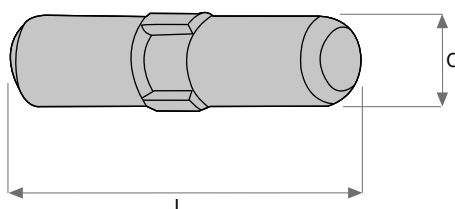
- › Punte ripper tipo **Komatsu**
- › Ripper Zahnsitzen Typ **Komatsu**
- › Dents ripper type **Komatsu**
- › Коронки рыхлителя **Komatsu**
- › Puntas ripper tipo **Komatsu**



	MODEL	OUR REF.	# PART NO.	L	H	KG	PIN
1	D60 - D56-7 - D65-8 D65-12 - D75A-1 D75S-3 - D75S-5	E 497	141-78-11253	278	125	11,6	E 493
2	D275A-2 - D355A-3 D455-1	E 499	195-78-21331	365	205	16,9	E 493
1	D375	E 488	195-78-71320	425	216	24,6	E 487

Pins for Komatsu type tips

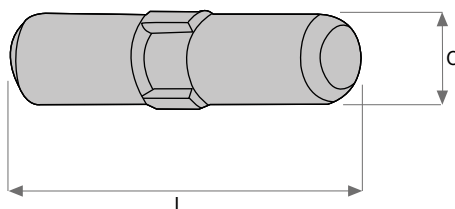
- › Perni per punte tipo **Komatsu**
- › Bolzen für Zahnsitzen Typ **Komatsu**
- › Axes pour dents type **Komatsu**
- › Пальцы для коронок **Komatsu**
- › Pasadores para puntas tipo **Komatsu**



OUR REF.	# PART NO.	L	C	ADAPTER	TIP
E 489	09244-02489	100	25	-	-
E 490	09244-02496	96	25	E 484	E 494 - E 494 RC
E 491	09244-02516	117	25	E 485	E 495 - E 495 RC
E 492	09244-03036	136	30	-	E 496 - E 496 RC

Pins for Komatsu type ripper tips

- › Perni per punte **ripper** tipo **Komatsu**
- › Bolzen für **Ripper** Zahnsitzen Typ **Komatsu**
- › Axes pour dents **ripper** type **Komatsu**
- › Пальцы для коронок **рыхлителей** **Komatsu**
- › Pasadores para puntas **ripper** tipo **Komatsu**

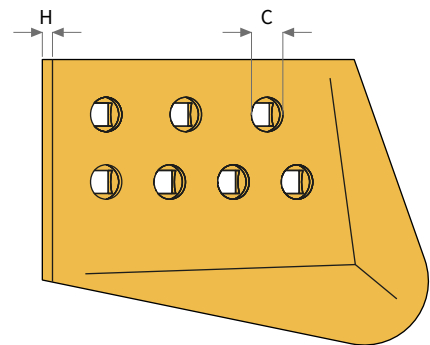


OUR REF.	# PART NO.	L	C	TIP
E 493	09244-02508 175-78-21740	112	25	E 497 - E 499
E 487	195-78-71360	126	29,6	E 488

Komatsu type end bits for dozer

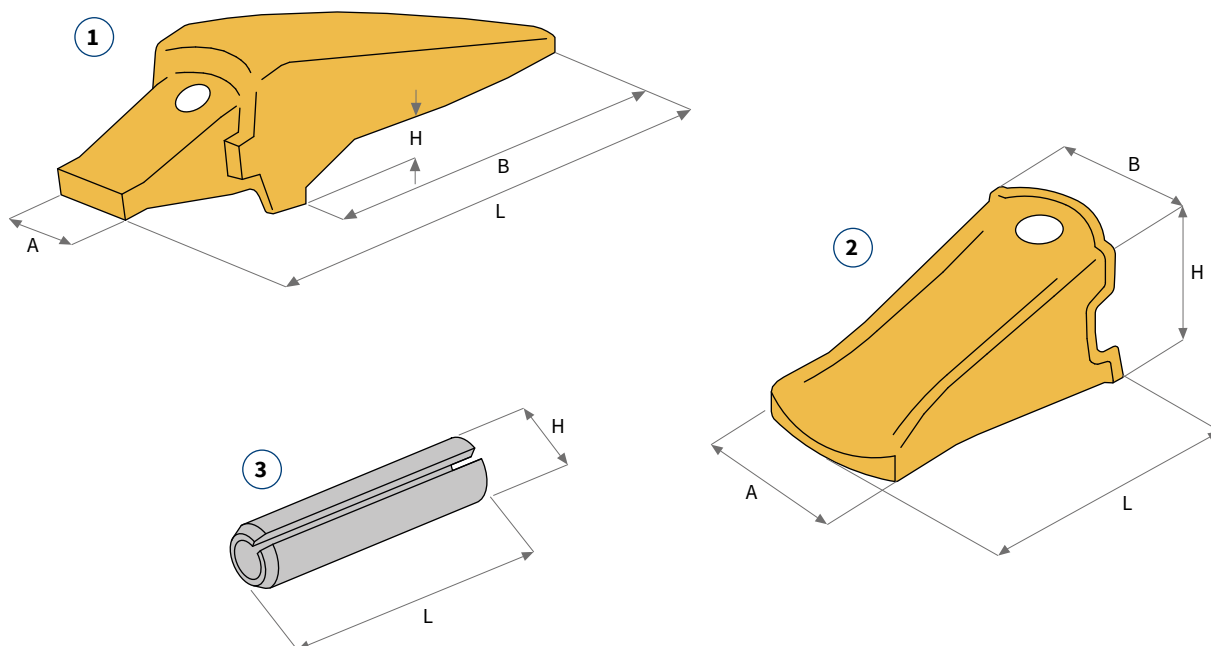
- › Angolari per dozer tipo **Komatsu**
- › Dozer-Ecken Typ **Komatsu**
- › Coins pour dozer type **Komatsu**
- › Угловые ножи для бульдозеров **Komatsu**
- › Cantoneras para dozer tipo **Komatsu**

# PART NO.	C (")	H	 Quantity	 KG
14X-71-11330	3/4	25	5	12,9
14X-71-11340	3/4	25	5	12,9
14Y-71-11330	3/4	19	5	9,2
14Y-71-11340	3/4	19	5	9,2
144-70-11251	3/4	30	5	17,6
144-70-11261	3/4	30	5	17,6
150-70-21346	3/4	30	6	26,5
150-70-21356	3/4	30	6	26,5
17M-71-21930	1	35	7	56,0
17M-71-21940	1	35	7	56,0
175-70-21126	7/8	30	7	28,2
175-70-21136	7/8	30	7	28,2
175-71-22272	7/8	30	7	28,5
175-71-22282	7/8	30	7	28,5
195-70-12610	1	40	7	61,0
195-70-12620	1	40	7	61,0
195-71-11173	1	40	7	62,2
195-71-11183	1	40	7	62,2
195-71-61930	1 1/4	50	8	108,0
195-71-61940	1 1/4	50	8	108,0
198-71-31520	1 3/8	50	8	108,3
198-71-31530	1 3/8	50	8	108,3



Uni-Z type adapters and tips

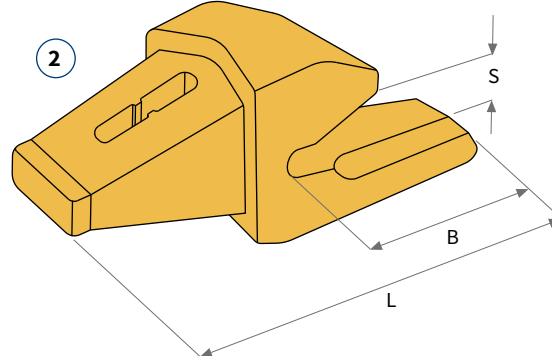
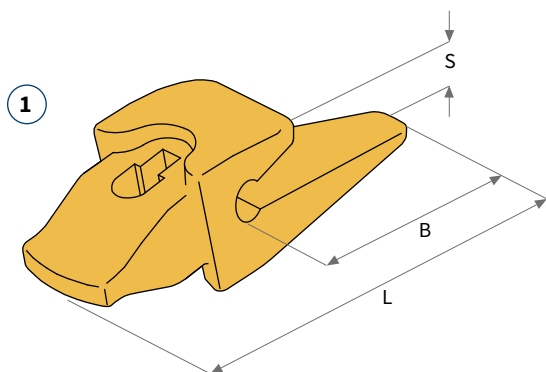
- › Portapunta e punte tipo **Uni-Z**
- › Zahnhalter und Zahnspitzen Typ **Uni-Z**
- › Porte-dent et dents type **Uni-Z**
- › Адаптеры и коронки **Uni-Z**
- › Adaptadores y puntas tipo **Uni-Z**



	 OUR REF.	# PART NO.	L	A	B	H	 KG
1	E 430	UNI - Z I	213	35	138	19	1,6
2	E 431	UNI - Z I	112	63	58	58	1,0
3	E 630	-	50	-	-	14	0,04
1	E 435	UNI - Z II	265	41	168	23	2,9
2	E 436	UNI - Z II	145	73	67	73	1,6
3	E 632	-	65	-	-	16	0,06
1	E 438	UNI - Z III	320	46	210	32	4,4
2	E 439	UNI - Z III	190	91	74	79	3,1
3	E 635	-	80	-	-	18	0,10

Esco type weld-on adapters

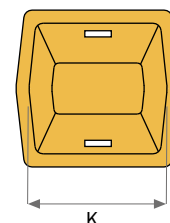
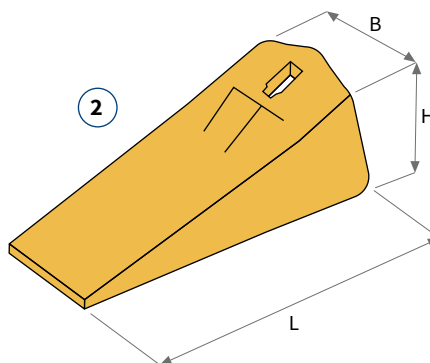
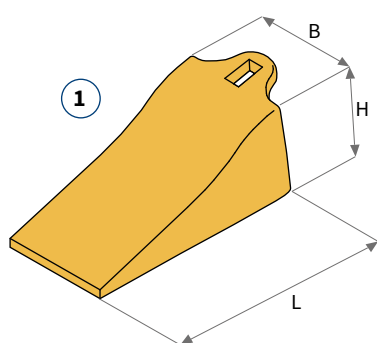
- › Portapunta a saldare tipo **Esco**
- › Zahnhalter zum Anschweißen Typ **Esco**
- › Porte-dent à souder type **Esco**
- › Привариваемые адаптеры **Esco**
- › Adaptadores a soldar tipo **Esco**



	OUR REF.	# PART NO.	L	B	S	KG	TIP
1	E 445	833-18	170	95	19	1,4	E 450
2	E 446	855-25	215	131	28	3,3	E 451

Esco type conical tips Range S

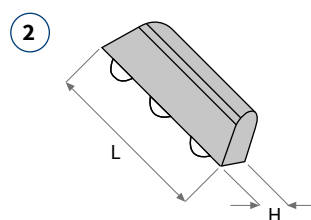
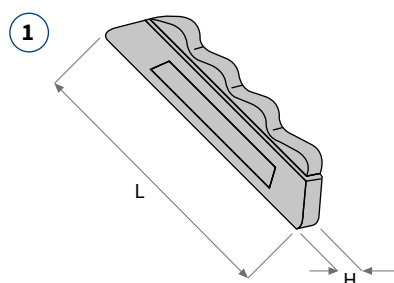
- › Punte coniche tipo **Esco** Serie S
- › Konische Zahnspitzen Typ **Esco** Serie S
- › Dents coniques type **Esco** Série S
- › Конические коронки **Esco** Серии S
- › Puntas cónicas tipo **Esco** Serie S



	OUR REF.	# PART NO.	L	B	H	K	KG	ADAPTER	LOCK
1	E 450	18 TL	120	56	52	45	1,1	E 445	E 460 + E 465
2	E 451	25 S	165	79	61	64	2,1	E 446	E 461 + E 466
2	E 452	30 S	165	93	68	75	2,8	-	E 461 + E 466
2	E 453	35 S	191	107	68	89	3,5	-	E 462 + E 467
2	E 454	40 S	220	122	82	101	5,4	-	E 463 + E 467

Locks for Esco type conical tips

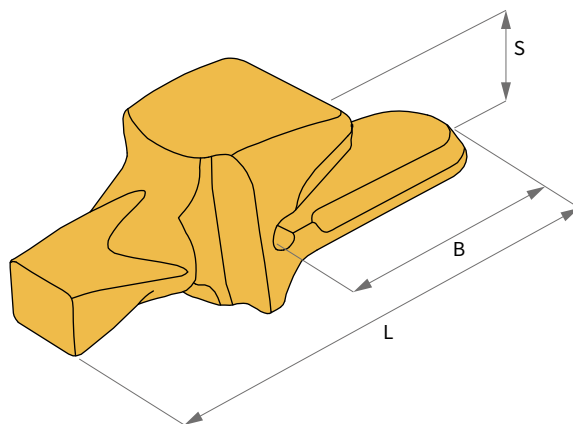
- › Bloccaggi per punte coniche tipo **Esco**
- › Sicherungen für konische Zahnsitzen Typ **Esco**
- › Clavettes pour dents coniques type **Esco**
- › Фиксаторы для конических коронок **Esco**
- › Fijaciones para puntas cónica tipo **Esco**



	 OUR REF.	# PART NO.	L	H	 ADAPTER	 TIP
1	E 460	18 PN	53	6	E 445	E 450
2	E 465	18 LK	36	12	E 445	E 450
1	E 461	25-30 PN	73	9	E 446	E 451 - E 452
2	E 466	25-30 LK	39	11	E 446	E 451 - E 452
1	E 462	35 PN	86	11	-	E 453
2	E 467	35-40 LK	48	15	-	E 453
1	E 463	40 PN	92	13	-	E 454
2	E 467	35-40 LK	48	15	-	E 454

Super V Esco type weld-on adapters

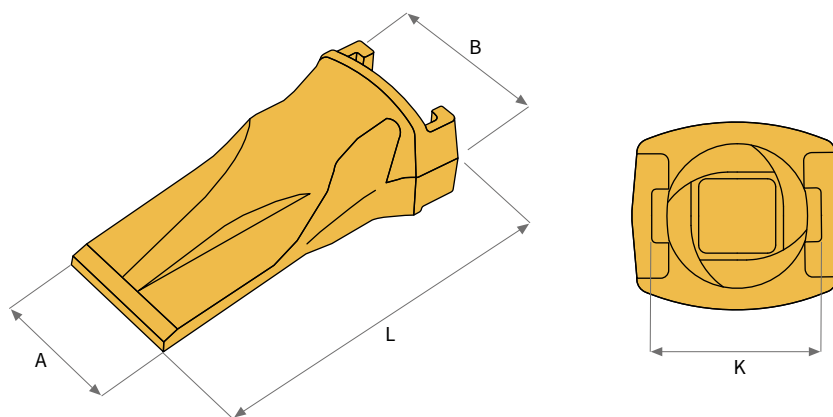
- › Portapunta a saldare Super V tipo **Esco**
- › Super V Zahnhalter zum Anschweißen Typ **Esco**
- › Porte-dent à souder Super V type **Esco**
- › Привариваемые адаптеры **Esco** Super V
- › Adaptadores a soldar Super V tipo **Esco**



OUR REF.	# PART NO.	L	B	S	KG	TIP
E 801	833-V13	145	78	15	1,0	E 831
E 803	833-V17	176	96	22	1,7	E 833
E 805	833-V19	227	130	31	3,2	E 835

Super V Esco type tips Range SYL

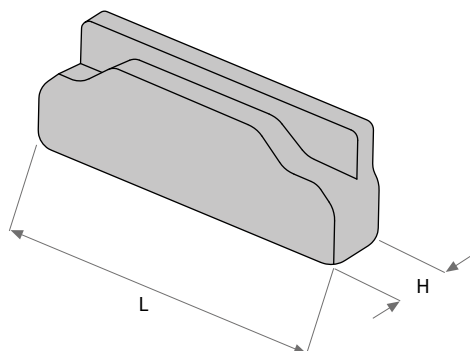
- › Punta Super V tipo **Esco** Serie SYL
- › Super V Zahnsitzen Typ **Esco** Serie SYL
- › Dents Super V type **Esco** Série SYL
- › Коронки **Esco** Super V Серии SYL
- › Puntas Super V tipo **Esco** Serie SYL



OUR REF.	# PART NO.	L	B	H	K	KG	LOCK
E 831	V 13 SYL	118	46	56	43	0,7	E 851
E 833	V 17 TYL	156	51	65	53	1,2	E 851
E 835	V 19 SYL	185	62	80	64	2,2	E 853
E 837	V 23 SYL	206	75	89	72	3,1	E 853
E 839	V 29 SYL	235	91	97	76	4,3	E 855
E 841	V 33 SYL	262	101	109	86	6,4	E 857

Locks for Super V Esco type tips

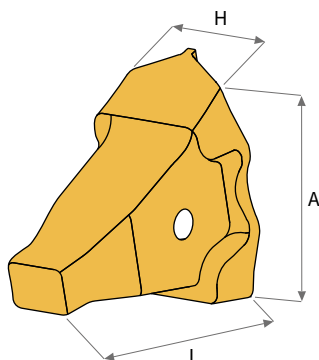
- › Bloccaggi per punte Super V tipo **Esco**
- › Sicherungen für Super V Zahnspitzen Typ **Esco**
- › Clavettes pour dents Super V type **Esco**
- › Фиксаторы для коронок Super V **Esco**
- › Fijaciones para puntas Super V tipo **Esco**



 OUR REF.	# PART NO.	L	H	 TIP
E 851	V 13-17 PN	48	10	E 831 - E 833
E 853	V 23 PN	52	11	E 835 - E 837
E 855	V 29 PN	78	14	E 839
E 857	V 33 PN	86	16	E 841

Esco type weld-on ripper nose

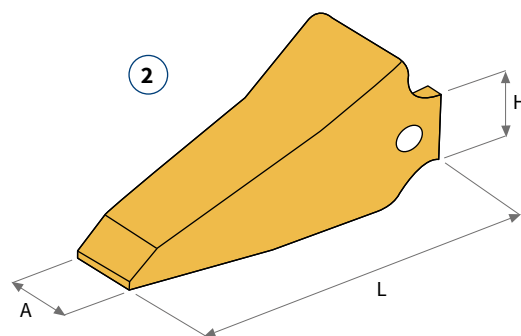
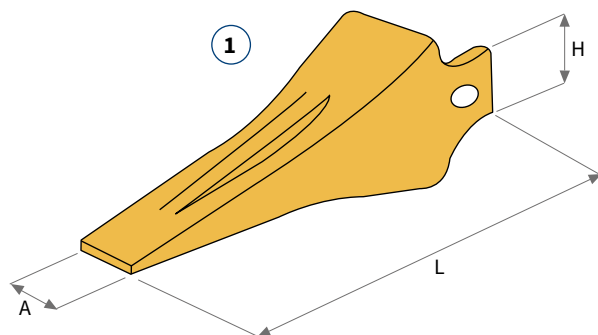
- › Nasello ripper a saldare tipo **Esco**
- › Ripper Nase zum Anschweißen Typ **Esco**
- › Ripper nez à souder type **Esco**
- › Привариваемый адаптер рыхлителя **Esco**
- › Nariz soldable ripper tipo **Esco**



OUR REF.	# PART NO.	L	A	H	KG	TIP
E 449	35-RN	215	190	105	15,1	E 457

Esco type ripper tips

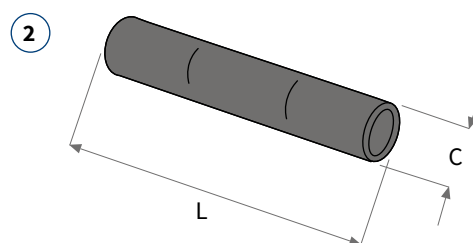
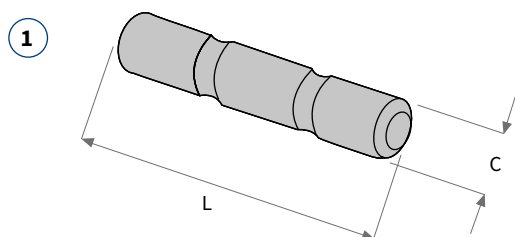
- › Punte ripper tipo **Esco**
- › Ripper Zahnsitzen Typ **Esco**
- › Dents ripper type **Esco**
- › Коронки рыхлителя **Esco**
- › Puntas ripper tipo **Esco**



	OUR REF.	# PART NO.	L	A	H	KG	PIN
1	E 456	25 R-12	310	52	48	5,0	E 458 + E 458.1
2	E 457	35 R-14 A	360	72	75	11,9	E 459 + E 459.1

Locks for Esco type ripper tips

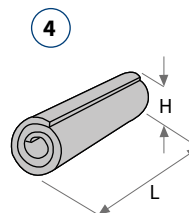
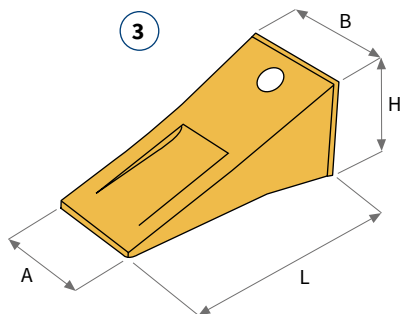
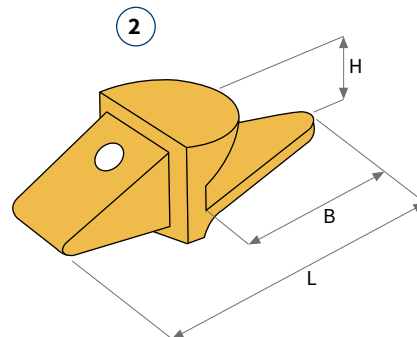
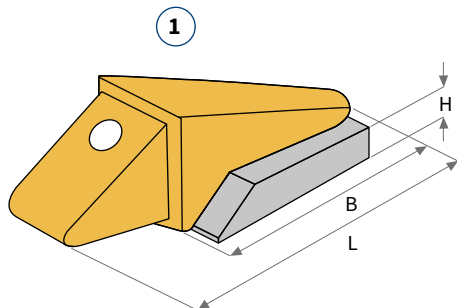
- › Bloccaggi per punte ripper tipo **Esco**
- › Sicherungen für Ripper Zahnsitzen Typ **Esco**
- › Clavettes pour dents ripper type **Esco**
- › Фиксаторы для коронок рыхлителей **Esco**
- › Fijaciones para puntas ripper tipo **Esco**



	 OUR REF.	# PART NO.	L	C	 TIP
1	E 458	25 RPG	95	13	E 456
2	E 458.1	25 RBG	67	21	E 456
1	E 459	35-RPG	121	13	E 457
2	E 459.1	35 RBG	83	23	E 457

Esti type adapters and tips for mini excavators

- › Portapunta e punte tipo **Esti** per mini escavatori
- › Zahnhalter und Zahnsitzen Typ **Esti** für Minibagger
- › Porte-dent et dents type **Esti** pour mini excavateurs
- › Адаптеры и коронки **Esti** для мини экскаваторов
- › Adaptadores y puntas tipo **Esti** para minieexcavadoras



	OUR REF.	L	A	B	H	KG	KG	TON
1	E 510	152	-	95	12 - 16	0,9	3000	1,0 → 2,5
3	E 501	97	40	46	45	0,5	3000	1,0 → 2,5
4	E 502	40	-	-	8	0,01	3000	1,0 → 2,5
2	E 500	141	-	86	18	0,8	3000	1,0 → 2,5
3	E 501	97	40	46	45	0,5	3000	1,0 → 2,5
4	E 502	40	-	-	8	0,01	3000	1,0 → 2,5
2	E 520	156	-	94	22	1,2	4000	3,0 → 4,0
3	E 521	114	50	53	54	0,9	4000	3,0 → 4,0
4	E 522	50	-	-	10	0,02	4000	3,0 → 4,0
2	E 503	171	-	100	22	1,7	6000	4,5 → 6,0
3	E 504	139	55	62	64	1,3	6000	4,5 → 6,0
4	E 505	60	-	-	12	0,03	6000	4,5 → 6,0
2	E 530	211	-	129	26	2,8	9000	6,5 → 9,0
3	E 531	152	59	70	68	1,9	9000	6,5 → 9,0
4	E 532	65	-	-	14	0,04	9000	6,5 → 9,0



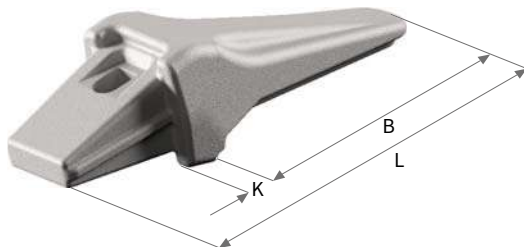
Size couplings for Silver Range parts

- › Abbinamenti per particolari Serie **Silver**
- › Kupplungen für Teile Serie **Silver**
- › Accouplements pour pièces Série **Silver**
- › Комбинации для изделий Серии **Silver**
- › Acoplamientos para piezas Serie **Silver**

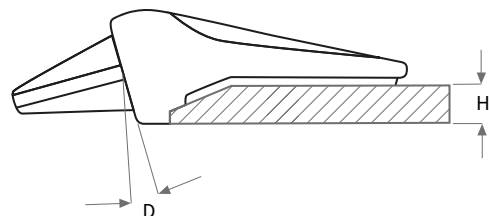
								
SIZE	1	2	3	4	5	6	7	8
K1	E 761	E 781	E 701	-	E 721 L	E 721 R	-	E 741
K3	E 763	E 783	E 703	-	E 723 L	E 723 R	-	E 741
K5	E 765	E 785	E 705	-	E 725 L	E 725 R	-	E 745
K6	-	-	-	E 706	-	E 726 R	E 726 S	E 746
K7	E 767	-	E 707	-	E 727 L	E 727 R	-	E 747
K8	-	-	-	E 708	-	E 728 R	E 728 S	E 748
K9	E 769	-	E 709	-	E 729 L	E 729 R	-	E 747
K11	-	E 791	-	E 711	-	E 731 R	E 731 S	E 751
K13	-	-	-	E 713	-	E 733 R	E 733 S	E 753
K15	-	-	-	E 715	-	E 735 R	E 735 S	E 755

Silver type weld-on adapters for loaders

- › Portapunta a saldare tipo **Silver** per pale
- › Zahnhalter zum Anschweißen Typ **Silver** für Lader
- › Porte-dent à souder type **Silver** pour pelles-chargeuses
- › Привариваемые адаптеры **Silver** для погрузчиков
- › Adaptadores a soldar tipo **Silver** para palas



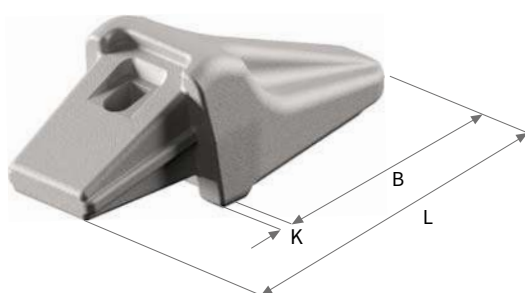
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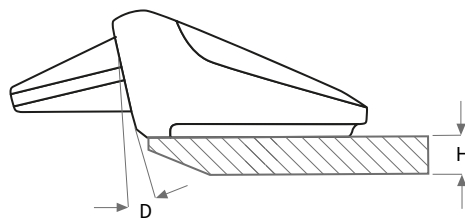
SIZE	OUR REF.	L	B	K	H	D	KG	KG	TIP
K1	E 761	163	100	13	12-16	14°	0,9	2400	E 721 L - R
K3	E 763	181	111	13	16	14°	1,3	3500	E 723 L - R
K5	E 765	212	127	18	20	14°	2,1	5000	E 725 L - R
K7	E 767	268	164	18	25	15°	3,1	7000	E 727 L - R
K9	E 769	318	208	20	25	15°	4,4	9000	E 729 L - R

Silver type weld-on adapters for clamshell buckets

- › Portapunta a saldare tipo **Silver** per benne mordenti
- › Zahnhalter zum Anschweißen Typ **Silver** für Greifer.
- › Porte-dent à souder type **Silver** pour pelles preneuses
- › Свариваемые адаптеры **Silver** для грейферных ковшей
- › Adaptadores a soldar tipo **Silver** para bivalvas



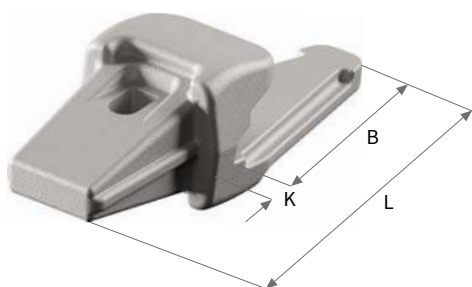
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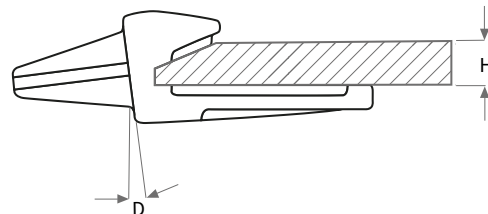
SIZE	OUR REF.	L	B	K	H	D	KG	KG	TIP
K1	E 781	146	91	5	12-16	12°	1,1	2400	E 721 R
K3	E 783	170	104	6	12-16	12°	1,4	3700	E 723 L - R
K5	E 785	188	116	4	20	13°	2,5	5500	E 725 L - R
K11	E 791	265	160	9	25-30	14°	6,4	10500	E 731 R - S

Silver type weld-on adapters for mini excavators

- › Portapunta a saldare tipo **Silver** per mini escavatori
- › Zahnhalter zum Anschweißen Typ **Silver** für Minibagger
- › Porte-dent à souder type **Silver** pour mini excavateurs
- › Свариваемые адаптеры **Silver** для мини экскаваторов
- › Adaptadores a soldar tipo **Silver** para miniexcavadoras



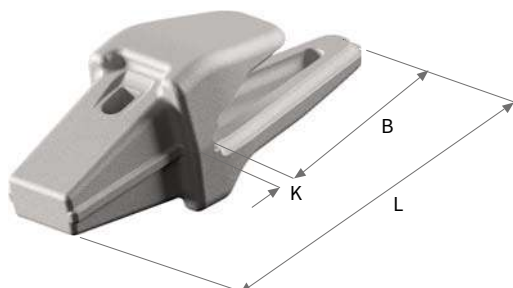
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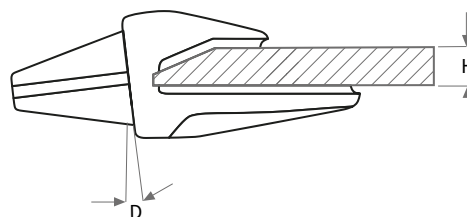
SIZE	 OUR REF.	L	B	K	H	D	 KG	 KG	 TIP
K1	E 701	143	86	11	12-16	7°	0,8	2400	E 721 R
K3	E 703	156	91	12	16-20	7°	1,1	3500	E 723 R
K5	E 705	173	100	12	20	7°	1,6	5000	E 725 R
K7	E 707	223	130	16	25	7°	2,6	7000	E 727 R
K9	E 709	244	143	19	30	7°	3,5	9000	E 729 R

Silver type weld-on adapters for excavators

- › Portapunta a saldare tipo **Silver** per escavatori
- › Zahnhalter zum Anschweißen Typ **Silver** für Bagger
- › Porte-dent à souder type **Silver** pour excavateurs
- › Свариваемые адаптеры **Silver** для экскаваторов
- › Adaptadores a soldar tipo **Silver** para excavadoras



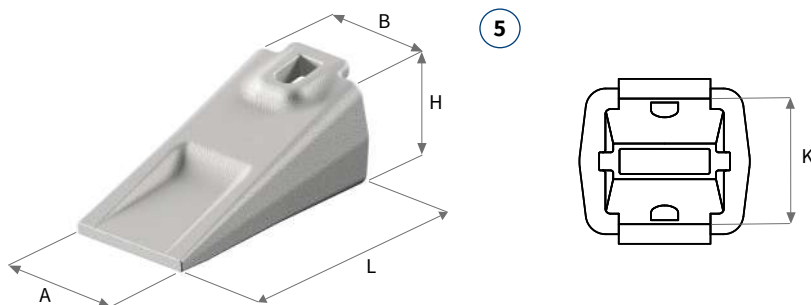
4



SIZE	 OUR REF.	L	B	K	H	D	 KG	 KG	 TIP
K6	E 706	179	105	12	20	7°	2,0	6400	E 726 R - S
K8	E 708	227	131	15	25	7°	3,1	8300	E 728 R - S
K11	E 711	250	149	16	25	7°	4,2	10200	E 731 R - S
K13	E 713	300	180	23	30	7°	7,8	13500	E 733 R - S
K15	E 715	340	204	26	40	7°	9,3	16600	E 735 R - S

Silver type tips Range L

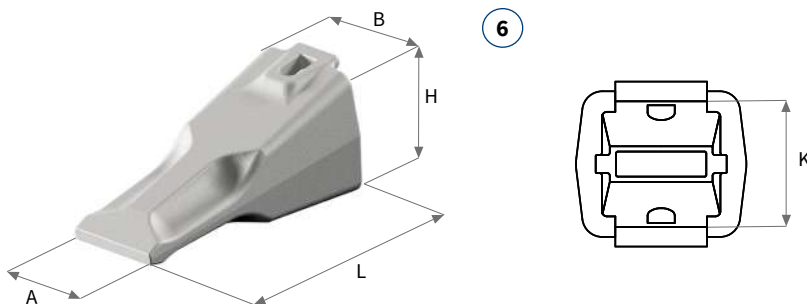
- › Punta tipo **Silver** Serie L
- › Zahnsitzen Typ **Silver** Serie L
- › Dents type **Silver** Série L
- › Коронки **Silver** Серии L
- › Puntas tipo **Silver** Serie L



SIZE	OUR REF.	L	A	B	H	K	KG	ADAPTER	LOCK
K1	E 721 L	100	44	50	41	33	0,6	E 761	E 741
K3	E 723 L	117	52	57	45	37	0,9	E 763 - E 783	E 741
K5	E 725 L	143	56	67	56	45	1,4	E 765 - E 785	E 745
K7	E 727 L	160	61	73	62	49	1,9	E 767	E 747
K9	E 729 L	178	68	79	67	54	2,6	E 769	E 747

Silver type tips Range R

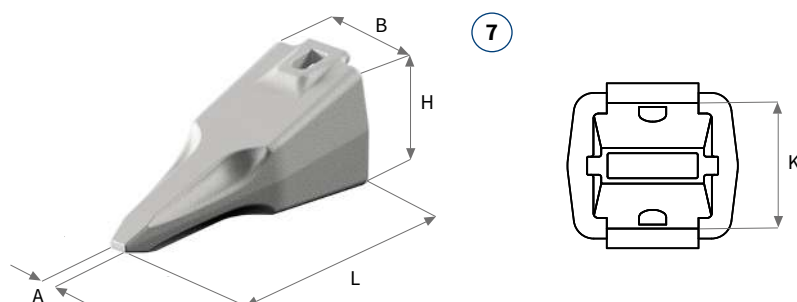
- › Punta tipo **Silver** Serie R
- › Zahnsitzen Typ **Silver** Serie R
- › Dents type **Silver** Série R
- › Коронки **Silver** Серии R
- › Puntas tipo **Silver** Serie R



SIZE	OUR REF.	L	A	B	H	K	KG	ADAPTER	LOCK
K1	E 721 R	98	42	50	41	33	0,5	E 701 - E 761 - E 781	E 741
K3	E 723 R	115	50	57	45	37	0,8	E 703 - E 763 - E 783	E 741
K5	E 725 R	138	54	67	56	45	1,3	E 705 - E 765 - E 785	E 745
K6	E 726 R	138	53	67	65	54	1,5	E 706	E 746
K7	E 727 R	155	59	73	62	49	1,6	E 707 - E 767	E 747
K8	E 728 R	155	58	73	73	60	1,8	E 708	E 748
K9	E 729 R	173	65	79	67	54	2,3	E 709 - E 769	E 747
K11	E 731 R	191	64	79	85	72	3,2	E 711 - E 791	E 751
K13	E 733 R	220	74	95	100	86	5,0	E 713	E 753
K15	E 735 R	247	86	103	109	92	6,6	E 715	E 755

Silver type tips Range S

- › Punta tipo **Silver** Serie S
- › Zahnspitzen Typ **Silver** Serie S
- › Dents type **Silver** Série S
- › Коронки **Silver** Серии S
- › Puntas tipo **Silver** Serie S



SIZE	 OUR REF.	L	A	B	H	K	 KG	 ADAPTER	 LOCK
K6	E 726 S	148	11	67	65	54	1,4	E 706	E 746
K8	E 728 S	165	12	73	73	60	1,8	E 708	E 748
K11	E 731 S	206	14	79	85	72	3,0	E 711	E 751
K13	E 733 S	238	16	95	100	86	4,9	E 713	E 753
K15	E 735 S	265	18	103	109	92	6,3	E 715	E 755

Silver type locks

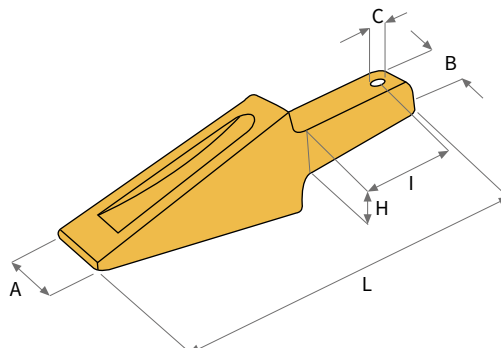
- › Bloccaggi tipo **Silver**
- › Sicherungen Typ **Silver**
- › Clavettes type **Silver**
- › Фиксаторы **Silver**
- › Fijaciones tipo **Silver**



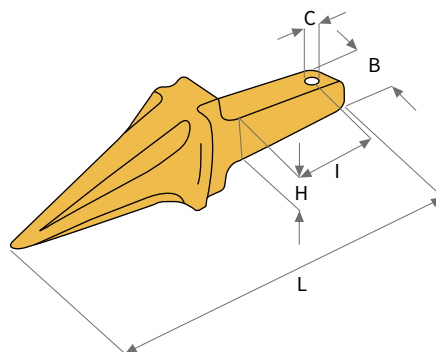
SIZE	 OUR REF.	L	H	 ADAPTER	 TIP
K1 - K3	E 741	43	8	E 701 / E 761 / E 781 E 703 / E 763 / E 783	E 721 L / E 721 R E 723 L / E 723 R
K5	E 745	56	10	E 705 / E 765 / E 785	E 725 L / E 725 R
K6	E 746	64	10	E 706	E 726 R / E 726 S
K7 - K9	E 747	65	12	E 707 / E 709 E 767 / E 769	E 727 L / E 727 R E 729 L / E 729 R
K8	E 748	75	12	E 708	E 728 R / E 728 S
K11	E 751	84	12	E 711 / E 791	E 731 R / E 731 S
K13	E 753	102	13	E 713	E 733 R / E 733 S
K15	E 755	108	15	E 715	E 735 R / E 735 S

Bofors type teeth for excavators (vertical hole)

- › Denti tipo **Bofors** per escavatori (foro verticale)
- › Zähne Typ **Bofors** (vertikales Loch) für Bagger
- › Dents type **Bofors** pour excavateurs (trou vertical)
- › Зубья **Bofors** для экскаваторов (вертикальное отверстие)
- › Dientes tipo **Bofors** para excavadoras (fijación vertical)



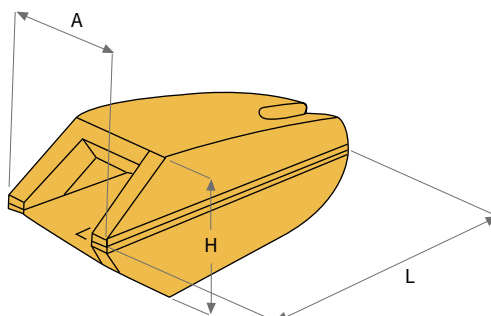
OUR REF.	# PART NO.	L	A	B	H	I	C	KG	PIN	KG
E 105	4046729	357	80	50	50	115	14	6,2	E 98	12300
E 110	4046663	410	90	57	58	132	20	9,6	E 99	17000
E 115	3027689 - 38104	505	95	64	64	172	20	14,7	E 99	19000
E 120	3027512 - 38101	575	110	75	75	211	20	22,0	E 99	27000



OUR REF.	L	B	H	I	C	KG	PIN	KG
E 105 S	400	50	50	115	14	6,5	E 98	11300
E 110 S	450	57	58	132	20	9,6	E 99	14500
E 115 S	550	64	64	172	20	15,1	E 99	17800

Adapters for Bofors type teeth (vertical hole)

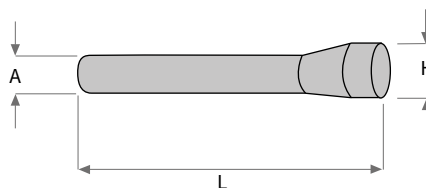
- › Custodie per denti tipo **Bofors** (foro verticale)
- › Zahnhülsen für Zähne Typ **Bofors** (vertikales Loch)
- › Boitiers pour dents type **Bofors** (trou vertical)
- › Адаптеры для зубьев **Bofors** (вертикальное отверстие)
- › Adaptadores tipo **Bofors** (fijación vertical)



 OUR REF.	L	A	H	 KG	 TOOTH
E 106	220	86	95	6,6	E 105 - E 105 S
E 111	240	103	122	11,0	E 110 - E 110 S
E 116	305	108	130	16,0	E 115 - E 115 S
E 121	330	124	150	21,5	E 120

Retaining pins

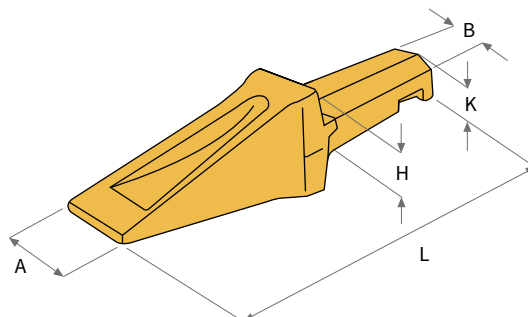
- › Perni di fissaggio
- › Sicherungsbolzen
- › Axes de fixation
- › Крепёжные пальцы
- › Fijaciones



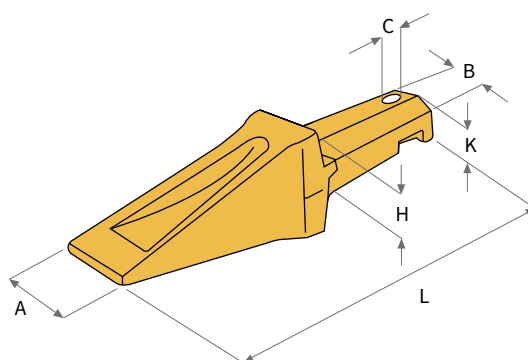
 OUR REF.	L	A	H	 TOOTH
E 98	120	13	19	E 105 - E 105 S
E 99	150	18	28	E 110 - E 110 S - E 115 E 115 S - E 120

Bofors type teeth for excavators

- › Denti tipo **Bofors** per escavatori
- › Zähne Typ **Bofors** für Bagger
- › Dents type **Bofors** pour excavateurs
- › Зубья **Bofors** для экскаваторов
- › Dientes tipo **Bofors** para excavadoras



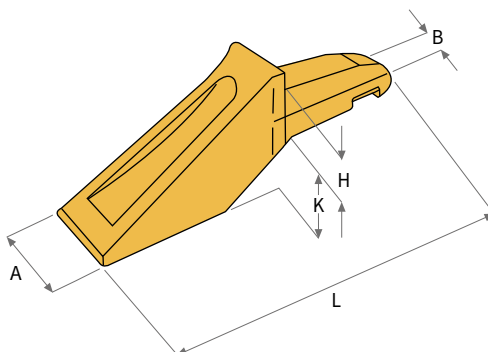
OUR REF.	# PART NO.	L	A	B	H	K	KG	LOCK	KG
E 150	4044336 / 31101	340	80	41	44	28	5,3	E 251	10000
E 155	4044428 / 32102	407	90	49	52	35	8,6	E 252	14000
E 160	3031334 / 33101	483	100	55	58	45	13,8	E 253	16000
E 165	3031335 / 34101	545	110	62	64	50	18,3	E 253	20500
E 170	3031336 / 35101	595	125	73	75	55	26,5	E 254	26000



OUR REF.	# PART NO.	L	A	B	H	K	C	KG	PIN
E 150.1	4044336 / 31101	340	80	41	44	28	15	5,2	E 633
E 155.1	4044428 / 32102	407	90	49	52	35	15	8,5	E 633
E 160.1	3031334 / 33101	483	100	55	58	45	24	13,6	E 638
E 165.1	3031335 / 34101	545	110	62	64	50	24	18,1	E 638
E 170.1	3031336 / 35101	595	125	73	75	55	26	26,3	E 640

Bofors type teeth for loaders

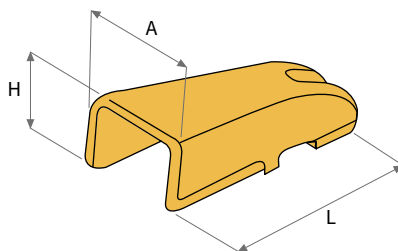
- › Denti tipo **Bofors** per pale
- › Zähne Typ **Bofors** für Lader
- › Dents type **Bofors** pour pelles-chargeuses
- › Зубья **Bofors** для погрузчиков
- › Dientes tipo **Bofors** para palas



OUR REF.	# PART NO.	L	A	B	H	K	KG	LOCK	KG
E 200	4046815 4047166 / 30101	258	62	32	36	25	2,5	E 250	5400
E 205	4046796 4047167 / 31102	308	70	37	44	30	4,5	E 251	7900
E 210	3032680 3031537 / 32101	375	85	48	54	35	8,4	E 252	12500
E 215	3027705 3031539 / 33102	415	110	52	59	40	11,9	E 253	16000

Bofors type adapters

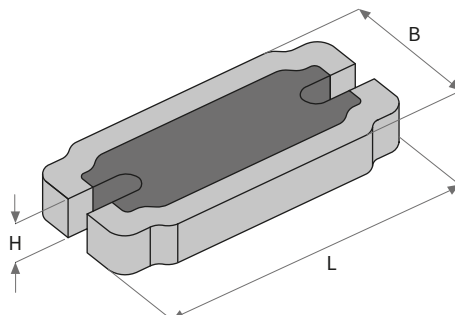
- › Custodie tipo **Bofors**
- › Zahnhülsen Typ **Bofors**
- › Porte-dent type **Bofors**
- › Адаптеры **Bofors**
- › Adaptadores tipo **Bofors**



OUR REF.	# PART NO.	L	A	H	KG	TOOTH
E 201	4046816 / 31006	121	64	50	0,9	E 200
E 206	4046797 / 31004	160	77	61	2,0	E 205
E 211	4046819 / 32004	209	94	74	3,8	E 210
E 216	4046862 / 33004	216	105	83	5,1	E 215

Bofors type locks

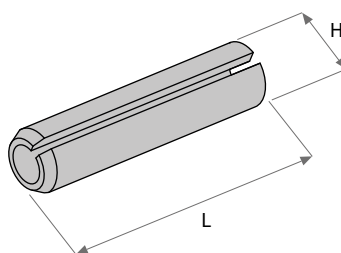
- › Bloccaggi tipo **Bofors**
- › Sicherungen Typ **Bofors**
- › Clavettes type **Bofors**
- › Фиксаторы **Bofors**
- › Fijaciones tipo **Bofors**



OUR REF.	# PART NO.	L	B	H	TOOTH
E 250	6254673 - 30201	59	27	8	E 200
E 251	6254675 - 31201	73	32	10	E 150 - E 205
E 252	6254677 - 32201	87	35	10	E 155 - E 210
E 253	6254682 - 33201	96	40	11	E 160 - E 165 - E 215
E 254	6254679 - 35201	120	50	13	E 170

Retaining pins

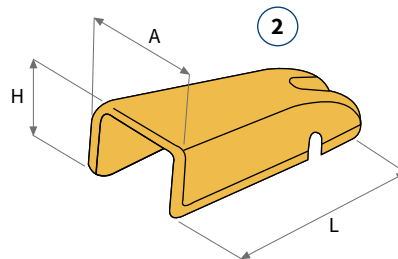
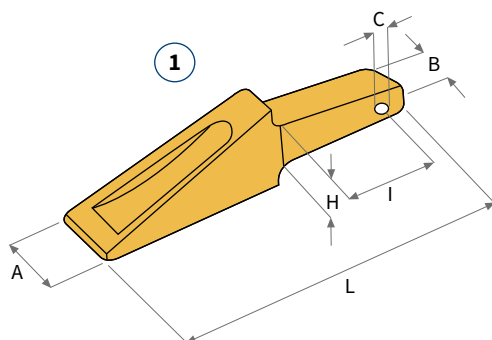
- › Spine di fissaggio
- › Sicherungsbolzen
- › Axes de fixation
- › Крепёжные пальцы
- › Fijaciones



OUR REF.	L	H	TOOTH
E 633	80	15	E 150.1 - E 155.1
E 638	100	25	E 160.1 - E 165.1
E 640	120	27	E 170.1

Bofors type teeth and adapters for excavators (horizontal hole)

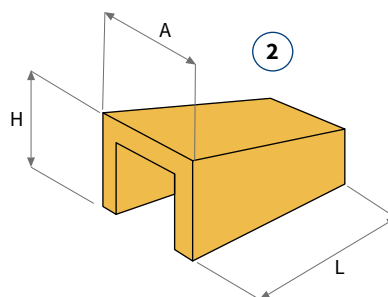
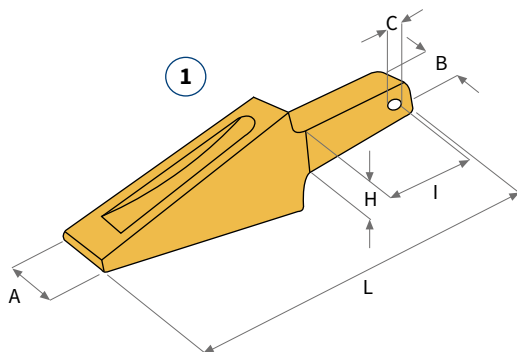
- › Denti e custodie tipo **Bofors** per escavatori (foro orizzontale)
- › Zähne und Zahnhülsen Typ **Bofors** für Bagger (horizontales Loch)
- › Dents et porte-dent type **Bofors** pour excavateurs (trou horizontal)
- › Зуб и адаптер **Bofors** для экскаваторов (горизонтальное отверстие)
- › Dientes y adaptadores tipo **Bofors** para excavadoras (fijación horizontal)



	 OUR REF.	# PART NO.	L	A	B	H	I	C	 KG	 KG
1	E 62	4038279	230	56	34	34	77	11	2,1	5500
2	E 63	4038219	141	60	-	48	-	-	1,2	-

FAI type teeth and adapters for excavators (horizontal hole)

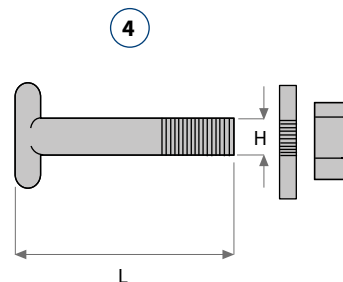
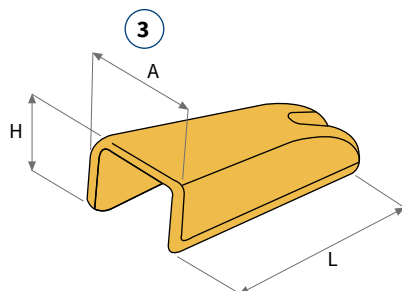
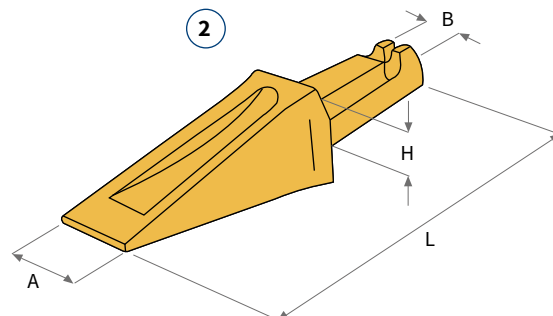
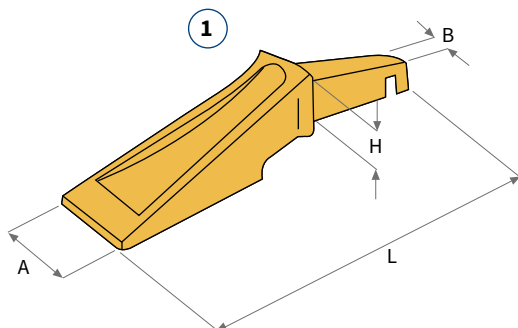
- › Denti e custodie tipo **FAI** per escavatori (foro orizzontale)
- › Zähne und Zahnhülsen Typ **FAI** für Bagger (horizontales Loch)
- › Dents et porte-dent type **FAI** pour excavateurs (trou horizontal)
- › Зуб и адаптер **FAI** для экскаваторов (горизонтальное отверстие)
- › Dientes y adaptadores tipo **FAI** para excavadoras (fijación horizontal)



	 OUR REF.	L	A	B	H	I	C	 KG	 KG
1	E 60	300	61	33	41	125	11	3,2	7000
2	E 61	120	71	-	57	-	-	1,6	-

FN / BT type teeth and adapters

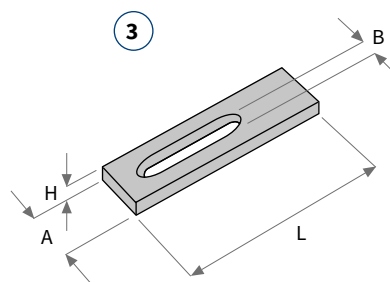
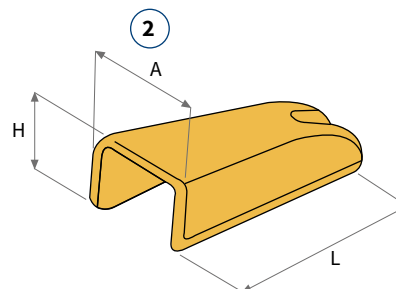
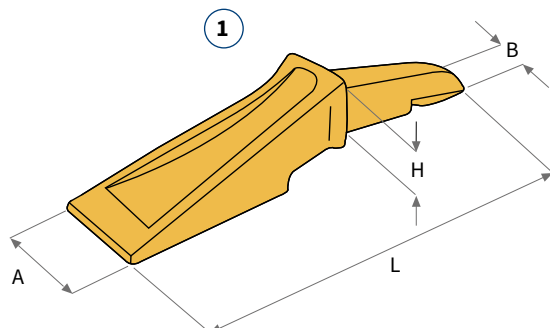
- › Denti e custodie tipo **FN / BT**
- › Zähne und Zahnhülsen Typ **FN / BT**
- › Dents et porte-dent type **FN / BT**
- › Зубья и адаптеры **FN / BT**
- › Dientes y adaptadores tipo **FN / BT**



	OUR REF.	# PART NO.	L	A	B	H	KG	KG
1	E 71	3000 FN	241	65	34	34	2,3	5800
3	E 51	300 H	120	62	-	48	1,2	5800
4	E 52	5 ST	59	-	-	10	0,07	5800
2	E 50	3000 BT	230	62	34	34	2,0	6200
3	E 51	300 H	120	62	-	48	1,2	6200
4	E 52	5 ST	59	-	-	10	0,07	6200

Lehnhoff type teeth and adapters

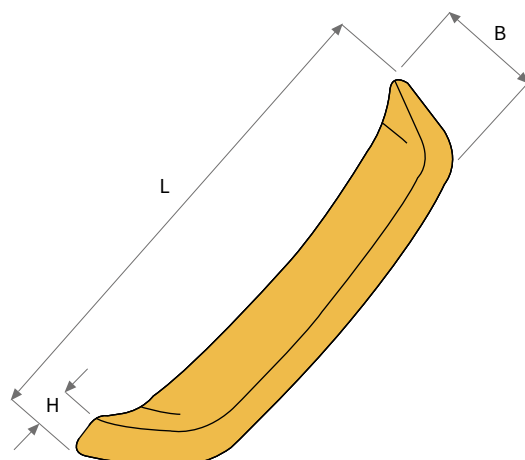
- › Denti e custodie tipo **Lehnhoff**
- › Zähne und Zahnhülsen Typ **Lehnhoff**
- › Dents et porte-dent type **Lehnhoff**
- › Зубья и адаптеры **Lehnhoff**
- › Dientes y adaptadores tipo **Lehnhoff**



		#	L	A	B	H		
OUR REF.	PART NO.						KG	KG
1	E 67	400 F	212	50	34	34	1,6	4500
2	E 69	011 HS	125	56	-	47	1,0	4500
3	E 64	11 S	93	30	10,5	3	0,07	4500
1	E 68	411 F	235	65	34	34	2,1	5500
2	E 69	011 HS	125	56	-	47	1,0	5500
3	E 64	11 S	93	30	10,5	3	0,07	5500

Sidecutters for excavators

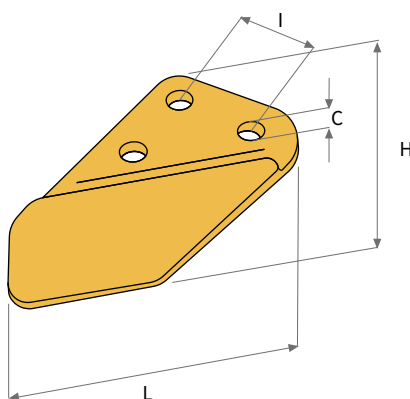
- › Taglienti laterali per escavatori
- › Sichel für Bagger
- › Tranchants latéraux pour excavateurs
- › Боковые режущие кромки для экскаваторов
- › Cuchillas laterales para excavadoras



OUR REF.	L	B	H	KG
E 90	305	58	21	1,3
E 91	450	74	23	4,2
E 92	620	95	38	9,5

Sidecutters for mini excavators

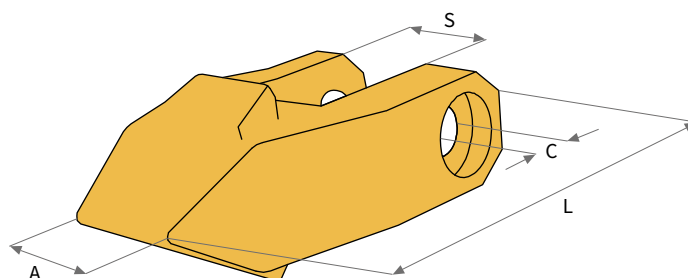
- › Taglienti laterali per mini escavatori
- › Sichel für Minibagger
- › Tranchants latéraux pour mini excavateurs
- › Боковые режущие кромки для мини экскаваторов
- › Cuchillas laterales para minieexcavadoras



OUR REF.	# PART NO.	L	H	I	C	KG
E 7 R	72270910	153	120	42,5	13,5	0,9
E 7 L	72270909	153	120	42,5	13,5	0,9

Teeth for crushers

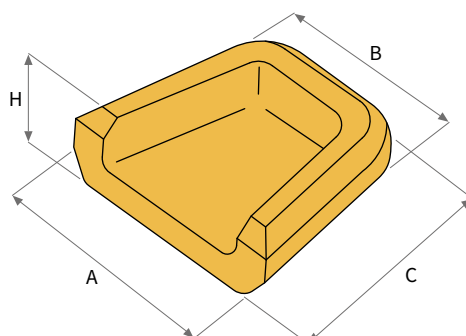
- › Denti per frantumatori
- › Reißzähne
- › Dents pour broyeurs
- › Зубья для дробилок
- › Dientes para trituradoras



 OUR REF.	# PART NO.	L	A	S	C	 KG
E 132	K005	160	47	36	19	2,7
E 133	K007	195	56	41	21	5,0
E 135	K010	250	65	51	26	9,8

Shrouds

- › Custodie protettive
- › Adapterkappen
- › Capsules de protection
- › Защитные капсулы
- › Protectores



 OUR REF.	A	B	C	H	 KG
E 95	106	84	94	36	1,5
E 96	141	105	102	46	2,5
E 97	188	153	131	51	5,9

Production of custom made parts

- › Produzione di particolari speciali con forma a richiesta
- › Herstellung von speziellen Teilen mit Form auf Anfrage
- › Production des pièces spéciales avec forme sur demande
- › Производство специальных изделий с формой на заказ
- › Producción de piezas especiales con forma bajo pedido



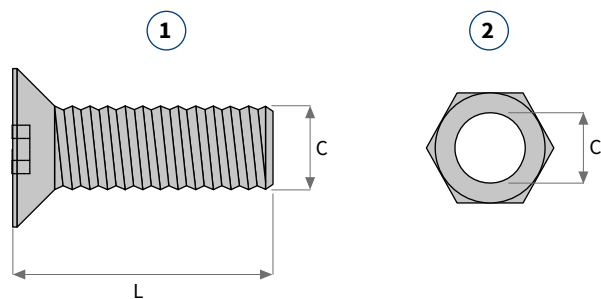


Bolts and nuts

- › Viti e dadi
- › Schrauben und Mutter
- › Vis et écrous
- › Болты и гайки
- › Tornillos y tuercas

Bolts and nuts

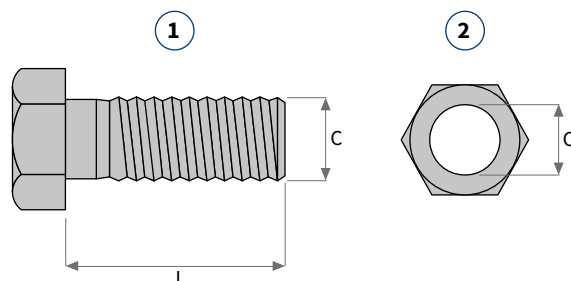
- › Viti e dadi
- › Schrauben und Muttern
- › Vis et écrous
- › Болты и гайки
- › Tornillos y tuercas



	 OUR REF.	C (mm)	L (mm)
1	E 615 B	12	40
2	E 600 N	12	-
1	E 614 B	14	55
2	E 603 N	14	-
1	E 616 B	16	45
1	E 616.1 B	16	50
1	E 616.2 B	16	60
2	E 605 N	16	-

Bolts and nuts

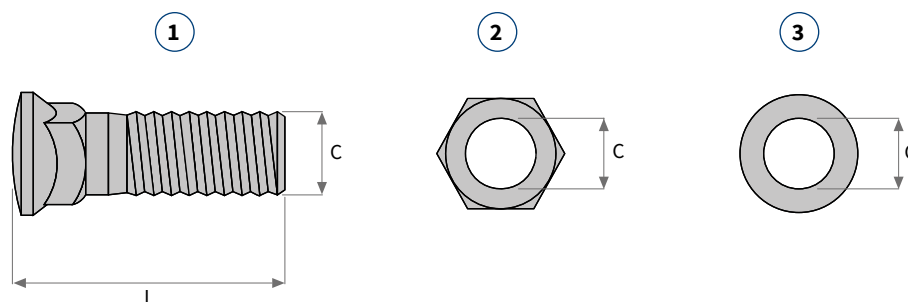
- › Viti e dadi
- › Schrauben und Muttern
- › Vis et écrous
- › Болты и гайки
- › Tornillos y tuercas



	 OUR REF.	C (mm)	L (mm)
1	E 600 B	12	45
1	E 600.1 B	12	50
2	E 600 N	12	-
1	E 603 B	14	50
1	E 603.1 B	14	60
2	E 603 N	14	-
1	E 605 B	16	50
1	E 605.1 B	16	70
1	E 605.2 B	16	60
2	E 605 N	16	-
1	E 609 B	18	70
2	E 609 N	18	-
1	E 608 B	20	70
2	E 608 N	20	-
1	E 610 B	24	90
2	E 610 N	24	-

Bolts and nuts

- › Viti e dadi
- › Schrauben und Muttern
- › Vis et écrous
- › Болты и гайки
- › Tornillos y tuercas

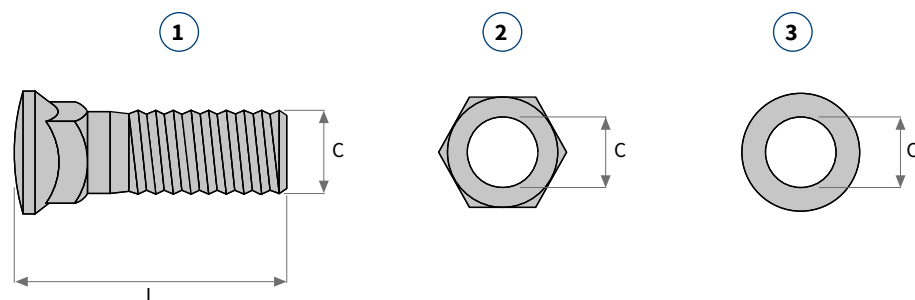


	 OUR REF.	C (")	L (")	# CATERPILLAR	# KOMATSU
1	E 620.3 B	5/8	1-3/4	4F3653	-
1	E 620.2 B	5/8	2	4F3654	02090-11050
1	E 620.1 B	5/8	2-1/4	3F5108	02090-11060 / 801-58-0085
1	E 620 B	5/8	2-1/2	4F3656	232-70-12460
1	E 620.4 B	5/8	2-3/4	4F3657	-
1	E 620.5 B	5/8	3	4F3658	02090-11080
1	E 620.6 B	5/8	3-1/2	4F3665	-
2	E 620 N	5/8	-	4K0367	02290-11016
3	E 620 W	5/8	-	5P8247	-
1	E 622.4 B	3/4	2	4F3672	234-70-32270
1	E 622.1 B	3/4	2-1/4	4F7827	02090-11260
1	E 622 B	3/4	2-1/2	5J4773	02090-11265 / 154-71-41270
1	E 622.5 B	3/4	2-3/4	5J4771	02090-11270 / 234-70-32250
1	E 622.3 B	3/4	3	4F0138	02090-11275 / 234-70-32270
1	E 622.6 B	3/4	3-1/8	1J6762	-
1	E 622.2 B	3/4	3-1/2	-	02090-11290
1	E 622.8 B	3/4	3-3/4	5F8933	-
1	E 622.9 B	3/4	4	-	02091-11200 / 02091-11205
1	E 622.12 B	3/4	5	1J6761	02091-11220
2	E 622 N	3/4	-	2J3506	02090-11219 / 154-70-22270 234-70-32290
3	E 622 W	3/4	-	5P8248	01643-21845

	 OUR REF.	C (")	L (")	# JCB
1	E 622 B	3/4	2-1/2	826/00303

Bolts and nuts

- › Viti e dadi
- › Schrauben und Muttern
- › Vis et écrous
- › Болты и гайки
- › Tornillos y tuercas

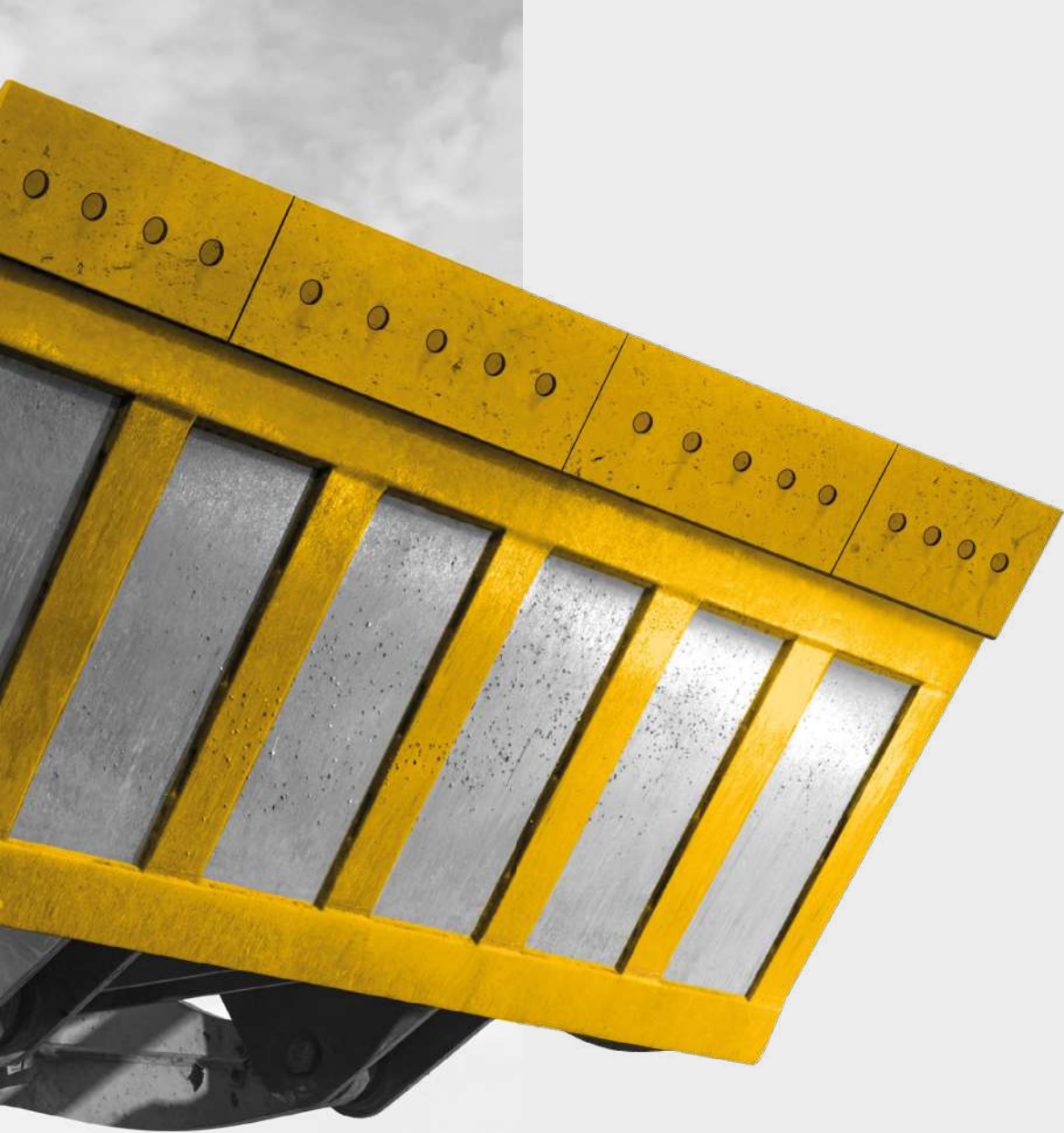


	 OUR REF.	C (")	L (")	# CATERPILLAR	# KOMATSU
1	E 623 B	7/8	2-1/2	5J4772	-
1	E 623.1 B	7/8	2-3/4	6F0196	142-70-12260
1	E 623.2 B	7/8	3	5J2409	175-71-11454
1	E 623.3 B	7/8	3-1/4	8J2935	175-71-11450 4237-70-13180
1	E 623.4 B	7/8	3-1/2	2J2548	02090-11490 175-71-11463
1	E 623.6 B	7/8	4	-	02090-11495 / 09208-12290
2	E 623 N	7/8	-	2J3505	02290-11422 / 09218-12219 175-71-11530
3	E 623 W	7/8	.	5P8249	-
1	E 624.3 B	1	2-3/4	1J5607	-
1	E 624.1 B	1	3	4F4042	-
1	E 624.4 B	1	3-1/4	4J9058	419-70-13150
1	E 624 B	1	3-1/2	4J9208	135-70-34120 17A-71-12451
1	E 624.5 B	1	3-3/4	1J4948 / 8J2928	02091-11610 / 195-71-11452 195-71-52280 / 09208-12595
1	E 624.2 B	1	4	5P8136	02091-11600 / 195-71-11461
1	E 624.6 B	1	4-1/2	1J3527	195-71-21530
2	E 624 N	1	-	2J3507	02290-11625 / 09218-12523 135-70-34130
3	E 624 W	1	-	5P8250	01643-22460
1	E 625.2 B	1-1/4	3-3/8	8T9079	-
1	E 625.3 B	1-1/4	3-3/4	6V6535	-
1	E 625 B	1-1/4	4	5P8823	02091-12010
1	E 625.1 B	1-1/4	4-1/2	6V8360	02091-12020
1	E 625.4 B	1-1/4	5	5P8361	198-71-21710
1	E 625.5 B	1-1/4	5-1/2	198-1092	
2	E 625 N	1-1/4	-	3K9770	02290-12031 / 195-71-61950
3	E 625 W	1-1/4	-	4K0684	198-71-11230

Technical Catalogue **ROLLED PROFILES**

- › Catalogo Tecnico **Profili Laminati**
- › Technischer Katalog **Walzprofile**
- › Catalogue Technique **Profils Laminés**
- › Технический Каталог **Катаные Профили**
- › Catálogo Técnico **Perfiles Laminados**



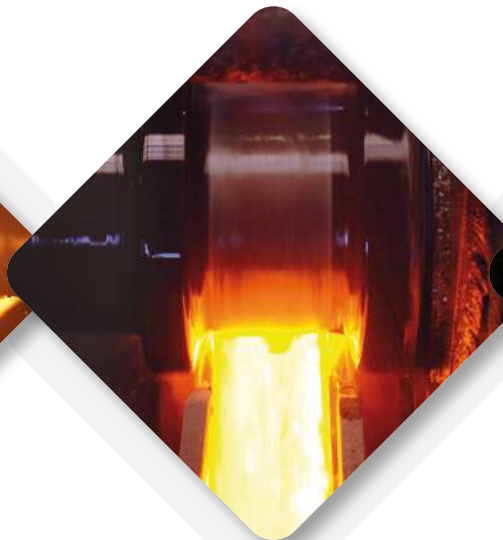


Complete pro

Steel production

Rolling

Heat treatment



Filiera produttiva completa | Komplette Produktionskette | Filière de production

Produzione acciaio
Stahlherstellung
Production Acier
Производство стали
Producción de acero

Laminazione
Walzen
Laminage
Прокат
Laminación

Trattamento termico
Wärmebehandlung
Traitement thermique
Термообработка
Tratamiento térmico

duction chain

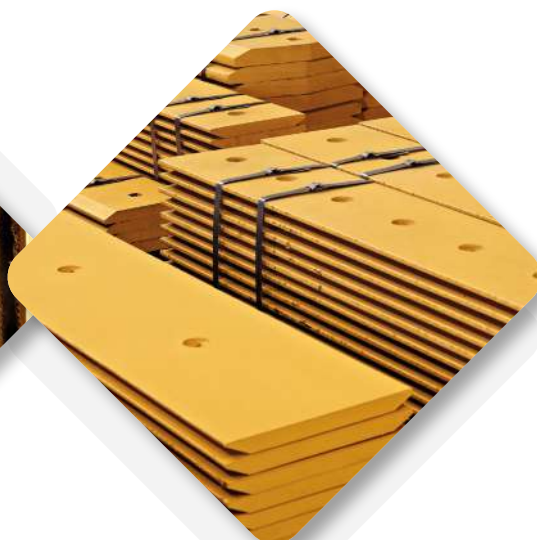
Machining



Painting



Stock



complète | Полная производственная цепочка | Línea de fabricación completa

Lavorazioni meccaniche
Maschinenbearbeitung
Travails mécaniques
Механическая обработка
Trabajos mecánicos

Verniciatura
Lackierung
Peinte
Окраска
Pintura

Magazzino
Lager
Stock
Склад
Almacén

Hardness

Durezza / Härte / Dureté / Твёрдость / Dureza

ESTRONG 250	HB 200 – 250	Natural rolled state Allo stato grezzo di laminazione / Im natürlichen Walzzustand A l'état naturel de laminage / В естественном состоянии катанного профиля / En estado natural de laminación
ESTRONG 400	HB 380 – 440	After the heat treatment Dopo il trattamento termico / Nach Vergütung Après le traitement thermique / После термической обработки Después del tratamiento térmico
ESTRONG 500	HB 470 – 530	After the heat treatment Dopo il trattamento termico / Nach Vergütung Après le traitement thermique / После термической обработки Después del tratamiento térmico
EC 270	HB 250 – 290	Carbon steel Acciaio al carbonio / Kohlenstoffstahl Acier au carbone / Углеродистая сталь / Acero al carbono

Chemical composition

Composizione chimica / Chemische Zusammensetzung
 Composition chimique / Химический состав / Composición química

	C Max	Si Max	Mn Max	P Max	S Max	Cr Max	Ni Max	Mo Max	B Max
ESTRONG 250	0,28 %	0,35 %	1,40 %	0,03 %	0,03 %	0,50 %	0,30 %	0,25 %	0,004 %
ESTRONG 400	0,19 %	0,35 %	1,40 %	0,03 %	0,03 %	0,50 %	0,30 %	0,25 %	0,004 %
ESTRONG 500	0,28 %	0,35 %	1,40 %	0,03 %	0,03 %	0,50 %	0,30 %	0,25 %	0,004 %
EC 270	0,75 %	0,35 %	1,00 %	0,03 %	0,03 %	0,30 %	0,30 %	0,08 %	-

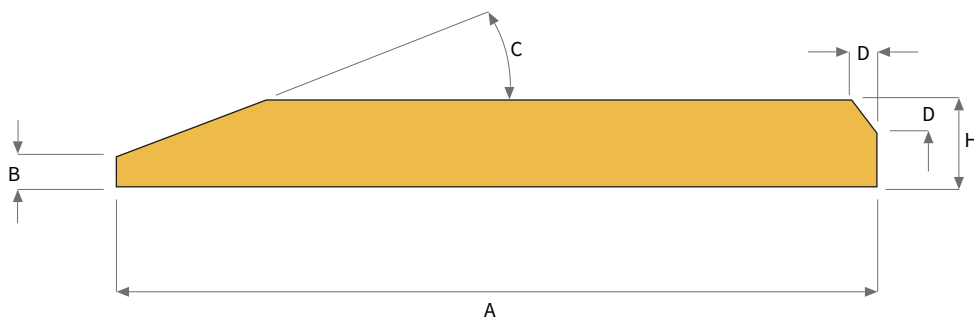
Indicative mechanical features

Caratteristiche meccaniche indicative / Indicative mechanische Eigenschaften / Caractéristiques mécaniques indicatives
Ориентировочные механические характеристики / Características mecánicas indicativas

	Tensile strength Tensione di rottura Zugfestigkeit Résistance à la rupture Прочность на разрыв Tensión de rotura	Yield point Snervamento Streckgrenze Limite d'élasticité Предел текучести Límite de fluencia	Elongation Allungamento Dehnung Allongement Удлинение Elongación	Resilience Resilienza Schlagarbeit Résilience Упругость Resiliencia
	R_m	Re	A₅	-40°C
ESTRONG 250	730 N/mm ²	510 N/mm ²	17%	-
ESTRONG 400	1470 N/mm ²	1100 N/mm ²	11%	35 J
ESTRONG 500	1770 N/mm ²	1330 N/mm ²	9%	30 J
EC 270	900 N/mm ²	500 N/mm ²	12%	-

Single bevel rolled profiles

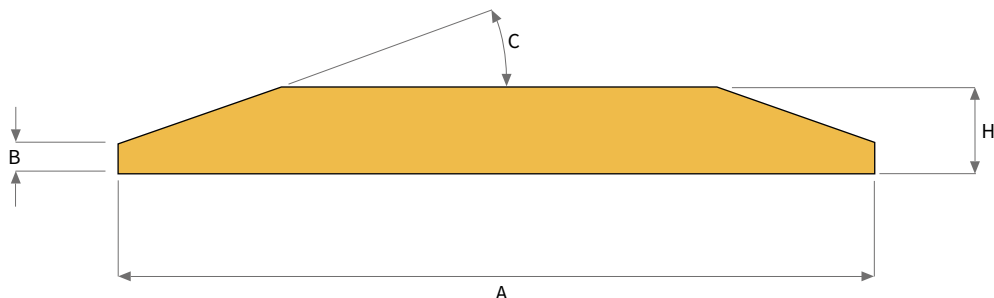
- › Profili laminati a uno smusso
- › Einseitig abgeschrägte Walzprofile
- › Profils laminés à un chanfrein
- › Катаные профили с одним скосом
- › Perfiles laminados a un bisel



A	H	B	D	C	LENGTH	Kg/m
80	12	5	-	20,2°	6300	7,1
110	12	3	R=3	23,9°	6000	9,7
110	16	7	R=3	23,9°	6000	13,1
150	16	7	5	24°	6000	18,0
150	20	5	5	22,6°	6000	21,5
150	20	5	5	26,5°	6000	21,7
200	20	6	8	23°	6000	29,5
200	25	11	8	23°	6000	37,4
250	25	6	10	22,6°	6000	45,6
250	30	11	10	22,6°	6000	55,3
270	32	10	10	23°	6100	63,1
270	35	13	10	23°	6100	69,1
300	30	8	10	23°	6100	66,1
300	35	13	10	23°	6100	77,7
300	40	18	10	23°	6100	89,4
300	50	28	10	23°	6100	112,9
400	40	15	12	24°	6100	119,5
400	45	20	12	24°	6100	135,2
400	50	25	12	24°	6100	150,9

Double bevel rolled profiles

- › Profili laminati a due smussi
- › Zweiseitig abgeschrägte Walzprofile
- › Profils laminés à deux chanfreins
- › Катаные профили с двумя скосами
- › Perfiles laminados a dos biseles

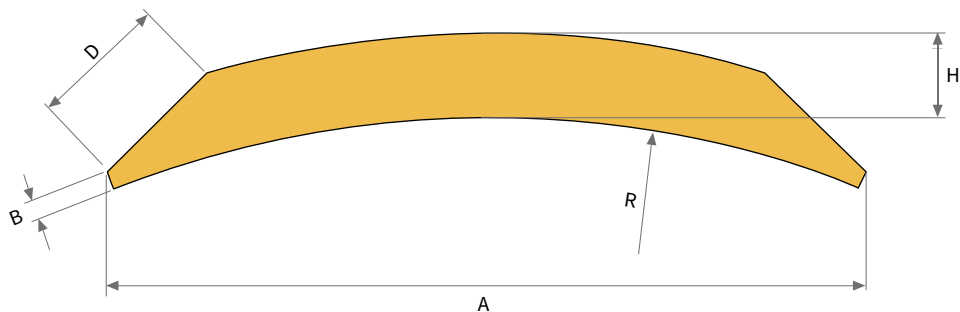


A	H	B	C	 LENGTH	 Kg/m
152,4	15,9	5	25°	6500	17,4
152,4	19,1	8,1	25°	6500	21,0
203,2	15,9	5	25°	6500	23,7
203,2	19,1	8,1	25°	6500	28,5
203,2	25,4	14,4	25°	6500	38,5
254	19,1	7,1	25°	6500	36,0
254	25,4	13,4	25°	6500	48,5
254	32	20	25°	6500	61,4
254	35	23	25°	6500	67,4
254	41	29	25°	6500	79,3
280	25	7	22,5°	6500	48,9
304,8	25,4	9,5	22,5°	6500	56,0
304,8	28,5	12,6	22,5°	6500	63,6
304,8	32	16,1	22,5°	6500	71,8
330	25	11	22,5°	6500	61,0
330	28,5	14,5	22,5°	6500	70,1
330	30	16	22,5°	6500	74,0

A	H	B	C	 LENGTH	 Kg/m
330	32	18	22,5°	6500	79,2
330	35	21	22,5°	6500	87,0
330	38	24	22,5°	6500	94,7
330	41	27	22,5°	6500	102,5
330	50	36	22,5°	6500	126,1
360	30	8	22,5°	6500	75,6
360	35	13	22,5°	6500	89,9
360	40	18	22,5°	6500	103,9
406	25	9	22,5°	6500	74,8
406	28,5	12,5	22,5°	6500	86,0
406	32	16	22,5°	6500	97,1
406	35	19	22,5°	6500	106,7
406	38	22	22,5°	6500	116,0
406	41	25	22,5°	6500	125,8
406	45	29	22,5°	6500	138,6
406	50	34	22,5°	6500	154,5
406	60	44	22,5°	6100	186,2

Curved double bevel rolled profiles

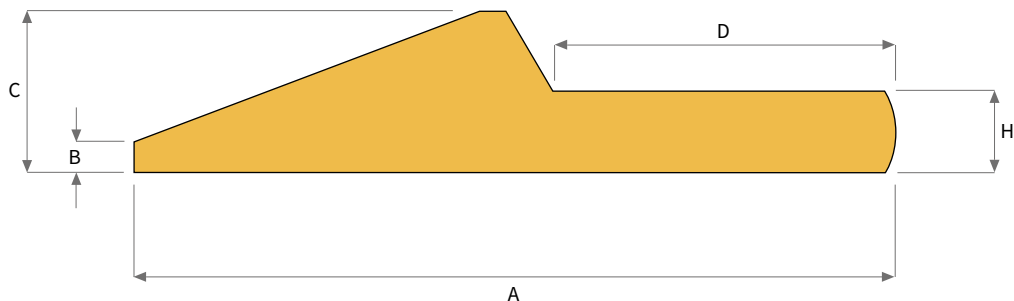
- › Profili laminati a due smussi curvi
- › Zweiseitig abgeschrägte gekrümmte Walzprofile
- › Profils laminés à deux chanfreins courbes
- › Катаные гнутые профили с двумя скосами
- › Perfíles laminados curvos a dos biselés



A	H	B	D	R	 LENGTH	 Kg/m
152,4	15,9	5,5	33,3	273	12900	17,2
152,4	19,1	8,6	33,3	273	12900	20,4
203,2	15,9	5,5	33,3	273	12900	23,3
203,2	19,1	8,6	33,3	273	12900	28,3
203,2	25,4	14,7	33,3	273	12900	38,7

Half arrow rolled profiles

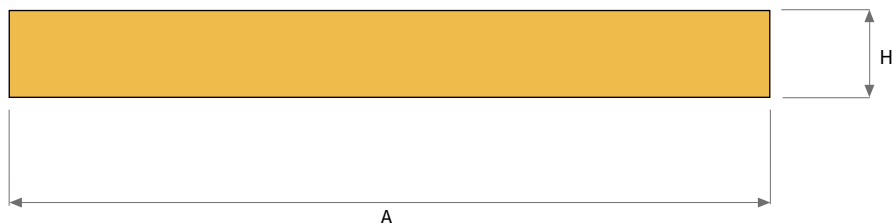
- › Profili laminati a freccia
- › Spezialprofile
- › Profils laminés demi-flèche
- › Полустреловидные катаные профили
- › Perfiles laminados media flecha



A	H	C	B	D	 LENGTH	 Kg/m
101	11	21	3	46	6100	9,8
151	16	32	6	68	6100	21,3
203	19	32	5	127	6100	31,0
203	19	32	5	127	7400	31,0
254	29	58	10	130	7400	66,2
254	40	69	21	130	7400	88,5

Rectangular rolled profiles

- › Profili laminati rettangolari
- › Rechteckige Walzprofile
- › Profils laminés rectangulaires
- › Прямоугольные катанные профили.
- › Perfiles laminados rectangulares



A	H	 LENGTH	 Kg/m
60	8	6000	3,8
60	10	6000	4,7
80	10	6000	6,3
80	15	6000	9,4
100	10	6000	7,8
100	12	6000	9,3
100	15	6000	11,7
120	12	6000	11,2
120	15	6000	14,1
120	20	6000	18,7
130	15	6000	15,2
150	15	6000	17,6
150	20	6000	23,4
160	15	6000	18,7
180	20	6000	28,1
200	15	6000	23,4
200	20	6000	31,2

Rectangular profiles produced with dimensions on request

- › Profili rettangolari prodotti con dimensioni a richiesta
- › Rechteckige Profile mit Abmessungen auf Anfrage
- › Profils rectangulaires réalisés avec dimensions sur demande
- › Прямоугольные профили с размерами на заказ
- › Perfiles rectangulares producidos con dimensiones bajo pedido

A = 60 (mm) → 400 (mm)	H = 8 (mm) → 50 (mm)
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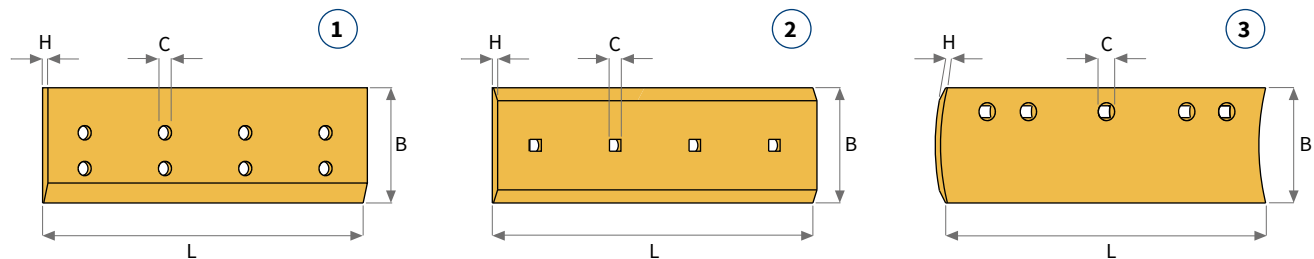
Blades produced as per original part number

- › Lame prodotte da riferimento originale
- › Messerstähle nach Originalnummer hergestellt
- › Lames réalisées à partir de la référence originelle
- › Ножи изготовленные по каталожному номеру
- › Cuchillas producidas según códigos originales

- › **CATERPILLAR**
- › **KOMATSU**
- › **LIEBHERR**

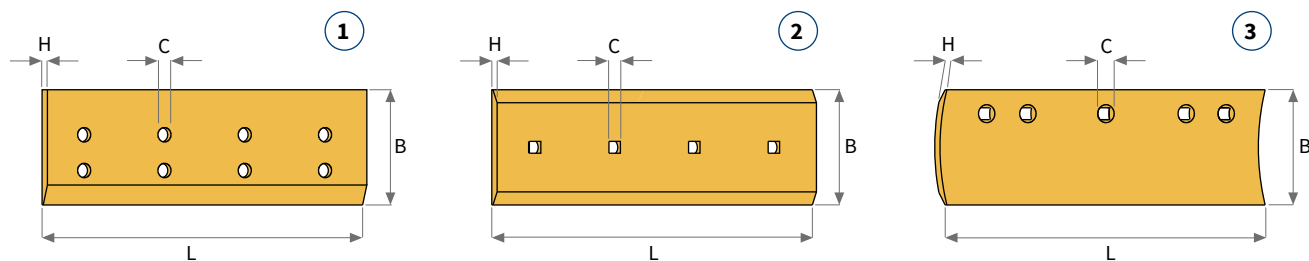
- Blades as per original part number are produced also for many other brands of earth-moving machines
- Le lame da riferimento originale vengono prodotte anche per molte altre marche di macchine movimento terra
- Messerstähle nach Originalnummer werden auch für vielen anderen Marken Erdbewegungsmaschinen produziert
- Les lames par référence originelle sont réalisées aussi pour nombreuses autres marques de machines de terrassement
- Ножи по каталожному номеру производятся также для многих других брендов землеройных машин
- Las cuchillas según códigos originales son producidas también para muchas otras marcas de maquinaria de movimiento de tierras

CATERPILLAR



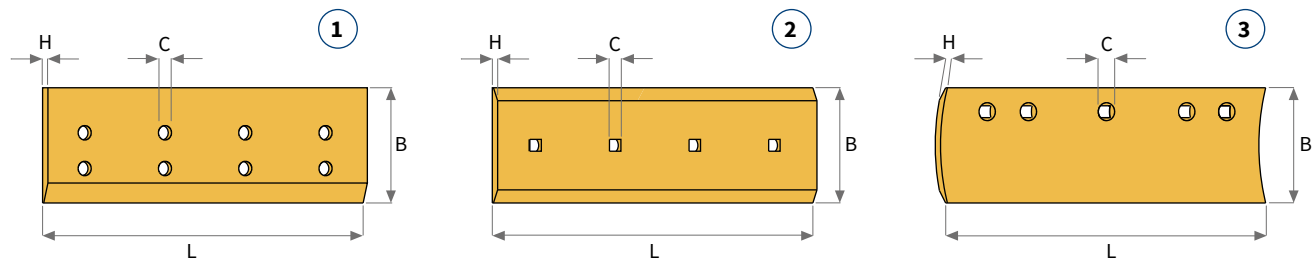
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	100-6666		293	360	30	2 x 36	22,2
2	100-6668		1400	360	30	3 x 36	106,1
2	104-5841		1587	406	35	3 x 36	169,3
2	106-0956	>	1380	254	19	9 x 21	49,7
2	107-3746		1179	280	25	3 x 27	57,7
2	109-9123		635	406	35	5 x 36	67,8
2	109-9212		1451	406	35	3 x 36	154,8
2	109-9230		1451	406	41	3 x 36	182,2
2	110-4711		1203	280	25	3 x 27	58,8
2	110-4782		1060	280	25	3 x 27	51,8
2	112-2471	>	803	330	41	5 x 27	82,4
2	112-2472		1353	330	41	9 x 27	138,8
2	118-7110		1200	203	19	4 x 18	34,2
2	122-9227		895	254	25	6 x 24	43,0
1	128-3094	//	606	150	20	8 x 18	13,2
1	131-2117	//	758	150	20	10 x 18	16,4
2	132-1026		778	280	25	3 x 27	38,0
2	132-1027		819	280	25	3 x 27	40,0
2	132-1029		841	360	30	3 x 27	63,7
2	132-4715		278	305	32	2 x 27	20,0
2	132-4724(152)		1890	152	16	13 x 18	32,9
2	132-4725(152)		2080	152	16	13 x 18	36,2
2	135-6537		1108	280	25	7 x 24	54,2
2	135-9294		300	330	41	2 x 36	30,8
2	135-9295/6	//	315	330	41	2 x 36	32,3
2	135-9394(152)		1588	152	16	8 x 18	27,6
2	135-9668		1067	406	50	7 x 36	165,0
2	139-9230		1283	360	30	3 x 27	97,3
2	140-6823		1400	360	35	3 x 36	125,7
2	140-6870		293	360	35	2 x 36	26,3
2	140-7601		290	360	30	2 x 27	22,0
1	141-4847		2886	270	32	30 x 27	182,1
2	161-8573	∪	565	254	35	4 x 21	38,1
2	177-4550		1496	203	19	9 x 21	42,6
2	177-4551	∖	525	203	19	4 x 21	15,0
2	177-4552	∖	525	203	19	4 x 21	15,0
1	199-7722		2036	150	20	26 x 18	44,2
2	1U0292		1162	280	25	3 x 27	56,8
2	1U0293		941	280	25	3 x 27	46,0
2	1U0294		878	280	25	3 x 27	42,9
2	1U0295		1025	280	25	3 x 27	50,1
2	1U0591		1106	360	30	3 x 36	83,8
2	1U0593		1318	360	30	3 x 36	99,9

CATERPILLAR



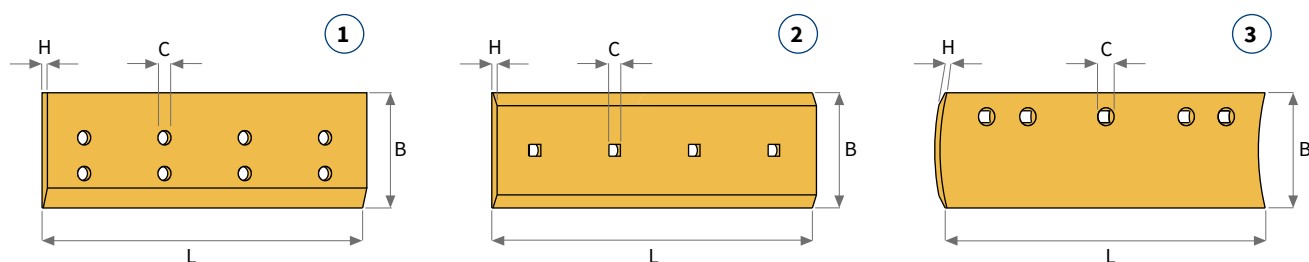
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	1U0599		976	360	30	3 x 27	74,0
2	1U0600		1079	360	30	3 x 27	81,8
2	1U0601		1210	360	30	3 x 27	91,7
2	1U0605		851	280	25	3 x 27	41,6
2	1U0607		1044	280	25	3 x 27	51,1
2	1U0762		1406	406	35	3 x 36	150,0
2	1U1464		819	280	25	3 x 27	40,0
2	1U1465		788	280	25	3 x 27	38,5
2	1U1467		1035	280	25	4 x 27	50,6
2	1U1469		841	360	30	3 x 27	63,7
2	1U1470		991	360	30	4 x 27	75,1
2	1U1473		1140	360	30	4 x 27	86,4
2	1U1475		756	360	30	4 x 27	57,3
2	1U1476		1404	360	30	8 x 27	106,4
2	1U1535		1041	280	25	7 x 18	50,9
2	1U1539		1117	280	25	7 x 18	54,6
2	1U1909		1260	360	30	3 x 36	95,5
2	1U2207		961	203	19	6 x 21	27,4
2	1U2211		1394	203	19	9 x 21	39,7
2	1U2357		1308	254	19	3 x 21	47,1
2	1U2406		1230	360	30	3 x 36	93,2
2	1U2407		1222	360	30	3 x 36	92,6
2	1U2408		1017	360	30	3 x 36	77,1
2	1U2409		1205	360	30	3 x 36	91,3
2	1U2410		960	360	30	3 x 27	72,8
2	1U2411		1056	360	30	3 x 27	80,0
2	1U2414		1044	360	30	3 x 27	79,1
2	1U4929	>	809	254	32	5 x 27	49,4
2	1U4941		1041	330	35	7 x 27	90,6
1	220-4671		2434	150	20	16 x 17	52,8
2	220-4691		1210	203	19	4 x 18	34,5
2	229-6958		1606	254	19	11 x 21	57,8
2	257-0265	//	877	203	19	6 x 21	25,0
2	278-2170		922	203	19	6 x 21	26,3
2	331-0162		930	203	16	6 x 21	22,1
3	3G2165		609	203	19	5 x 21	17,2
2	3G4282		1152	203	19	7 x 21	32,8
2	3G4285		425	203	19	4 x 21	12,1
2	3G6062		1044	203	19	7 x 21	29,8
2	3G6289	>	810	254	25	5 x 27	38,9
3	3G7966		1524	152	19	11 x 18	31,2
2	3G9264		1352	330	28,5	9 x 27	94,8
2	3G9306		884	203	16	6 x 21	21,0

CATERPILLAR



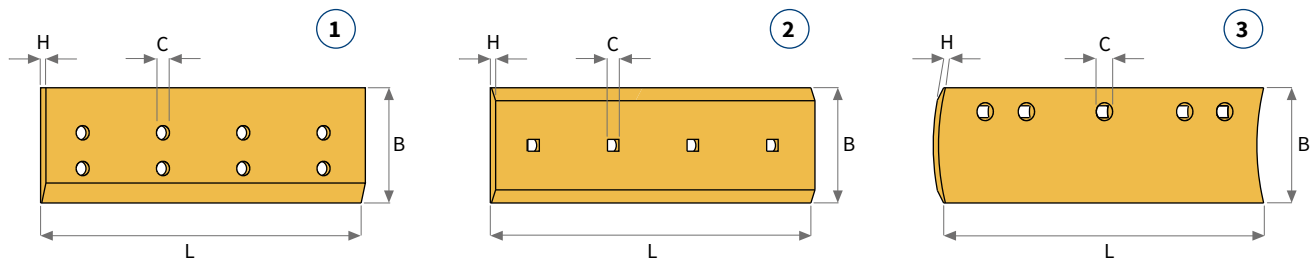
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	436-9689		2401	254	19	8 x 21	86,4
2	472-1463		836	280	25	3 x 27	40,9
2	472-1464		836	280	25	4 x 27	40,9
2	472-1466		896	280	25	3 x 27	43,8
2	472-1467		910	280	25	4 x 27	44,5
2	472-1469		1016	360	30	3 x 36	77,0
2	472-1470		984	360	30	4 x 36	74,6
2	4T0731		816	203	19	5 x 21	23,3
3	4T2231		1828	203	25	13 x 21	70,4
3	4T2233		2133	203	25	15 x 21	82,1
3	4T2236		2438	203	25	17 x 21	93,9
3	4T2237		2438	203	25	17 x 18	93,9
3	4T2240		1524	203	25	11 x 18	58,7
3	4T2242		2133	203	25	15 x 18	82,1
3	4T2244		1828	203	25	13 x 18	70,4
2	4T2315		1556	203	19	10 x 21	44,3
2	4T2324		1518	330	41	10 x 27	155,7
2	4T2334		1041	330	41	7 x 27	106,8
2	4T2630		870	152	16	6 x 18	15,1
2	4T2860		1316	254	25	13 x 21	63,2
2	4T2863		1519	254	25	15 x 21	72,9
2	4T2888		1622	254	25	16 x 21	77,9
2	4T2913		1308	254	19	3 x 21	47,1
2	4T2914		433	254	19	2 x 21	15,6
2	4T2917	>	1357	254	19	9 x 24	48,9
2	4T2918		590	254	19	2 x 21	21,2
2	4T2919		946	254	19	3 x 21	34,1
2	4T2922		758	254	19	5 x 24	27,3
2	4T2923		1028	254	19	7 x 24	37,0
2	4T2943		1621	254	19	16 x 21	58,4
2	4T2945		707	254	19	5 x 21	25,5
2	4T2946		1112	254	19	7 x 21	40,0
2	4T2948		1063	254	19	7 x 21	38,3
2	4T2949		1521	254	19	15 x 21	54,8
2	4T2950		1561	254	19	10 x 21	56,2
2	4T2952		800	254	19	5 x 21	28,8
2	4T2967		1524	203	16	11 x 18	36,3
2	4T2969		2133	203	16	15 x 18	50,8
2	4T2970		2133	203	16	15 x 21	50,8
2	4T2973		857	203	16	6 x 18	20,4
2	4T2974		809	203	16	5 x 18	19,3
2	4T2977		1825	203	16	18 x 18	43,4
2	4T2978		2435	203	16	24 x 18	58,0

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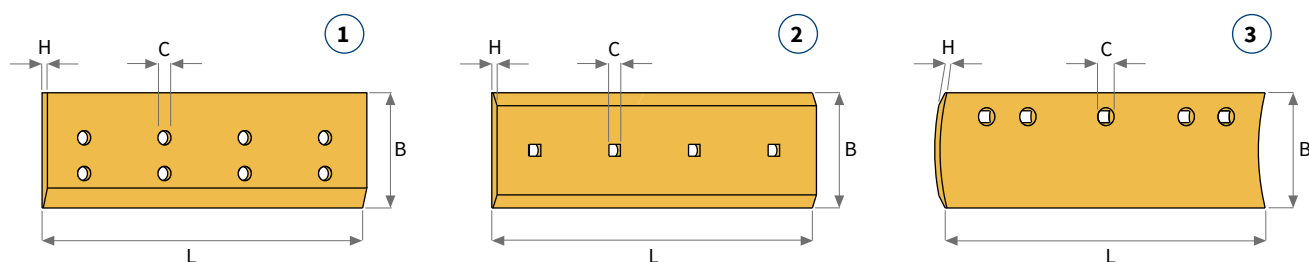
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	4T2982		992	203	16	7 x 18	23,6
2	4T2985		800	254	25	5 x 21	38,4
2	4T2986	>	779	254	25	5 x 27	37,4
2	4T2987		923	254	25	6 x 27	44,3
2	4T2988		1035	254	25	7 x 27	49,7
2	4T2989		1063	254	25	7 x 21	51,0
2	4T2992		759	254	25	5 x 24	36,4
2	4T2993		1063	254	25	7 x 24	51,0
2	4T2994		1214	254	25	8 x 27	58,3
2	4T3004		1441	203	19	9 x 21	41,1
2	4T3005		859	203	19	6 x 18	24,5
2	4T3007		1828	203	19	13 x 18	52,1
2	4T3008		1165	203	19	11 x 18	33,2
2	4T3009		1521	203	19	10 x 21	43,3
2	4T3010		657	203	19	4 x 21	18,7
2	4T3011		1619	203	19	11 x 21	46,1
2	4T3013		1012	203	19	7 x 21	28,8
2	4T3015		258	360	30	2 x 36	19,6
2	4T3020		860	203	19	9 x 18	24,5
2	4T3021		1824	203	19	18 x 18	52,0
2	4T3023		2231	203	19	22 x 18	63,6
2	4T3024		2815	203	19	28 x 18	80,2
2	4T3028		673	203	19	4 x 18	19,2
2	4T3029		990	203	19	7 x 18	28,2
2	4T3032		2133	203	19	15 x 21	60,8
2	4T3051	\	344	203	19	6 x 18	9,8
2	4T3052	\	344	203	19	6 x 18	9,8
2	4T3417	>	810	254	25	5 x 27	38,9
2	4T3418		1530	254	25	10 x 24	73,4
2	4T3420		816	254	25	5 x 24	39,2
2	4T3423		857	254	25	6 x 27	41,1
2	4T3720		858	203	16	6 x 21	20,4
2	4T4435	\	406	203	25	6 x 21	15,5
2	4T4436	\	406	203	25	6 x 21	15,5
2	4T5273		1337	406	35	3 x 36	142,7
2	4T5318		894	254	19	6 x 24	32,2
2	4T6229		330	152	16	3 x 18	5,7
2	4T6230		869	152	16	6 x 18	15,1
2	4T6238		1200	254	25	8 x 27	57,6
2	4T6241		409	254	25	7 x 24	19,6
2	4T6242		409	254	25	7 x 24	19,6
2	4T6252		1267	152	16	8 x 18	22,0
2	4T6262		1019	203	19	7 x 21	29,0

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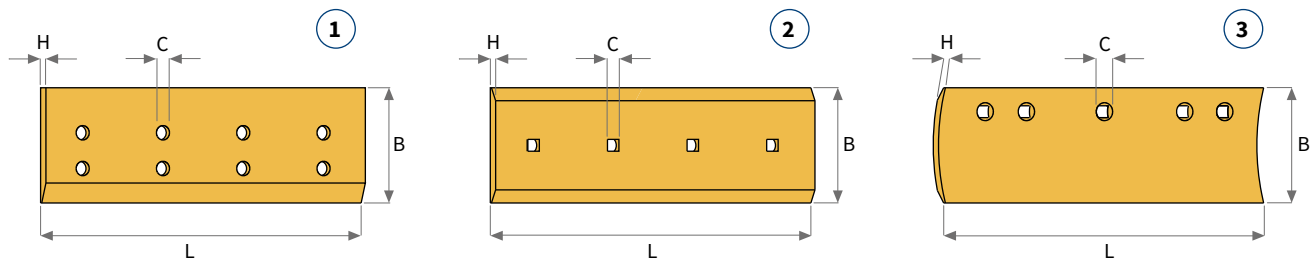
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	4T6378		901	330	28,5	6 x 27	63,2
2	4T6381		1352	330	28,5	9 x 27	94,8
2	4T6386		1041	330	28,5	7 x 27	73,0
2	4T6388		1062	330	28,5	7 x 27	74,4
2	4T6448		1518	330	28,5	10 x 27	106,4
2	4T6456		949	330	28,5	6 x 27	66,5
2	4T6459		1327	330	28,5	9 x 27	93,0
2	4T6508		2133	254	25	15 x 21	102,4
2	4T6511		2437	254	25	17 x 21	117,0
2	4T6514		1562	254	25	10 x 24	75,0
2	4T6531		1521	254	25	10 x 24	73,0
2	4T6532		911	254	25	6 x 24	43,7
2	4T6588		1211	406	35	6 x 27	129,2
2	4T6589		1667	406	35	8 x 27	177,9
2	4T6594		1540	406	35	8 x 27	164,3
2	4T6659		1054	203	19	7 x 21	30,0
2	4T6691		175	280	25	2 x 27	8,6
2	4T6692		195	280	25	2 x 27	9,5
2	4T6693		210	280	25	2 x 27	10,3
2	4T6694		225	280	25	2 x 27	11,0
2	4T6695		265	280	25	2 x 27	13,0
2	4T6696		190	360	30	2 x 36	14,4
2	4T6697		210	360	30	2 x 36	15,9
2	4T6699		270	360	30	2 x 36	20,5
2	4T6700		290	360	30	2 x 36	22,0
2	4T8077		2381	203	16	15 x 18	56,7
2	4T8082		349	203	16	3 x 18	8,3
2	4T8317		2437	254	32	17 x 21	148,9
2	4T8797	>	990	254	25	6 x 24	47,5
2	4T8799		997	254	25	7 x 24	47,9
2	4T8940		1193	203	16	8 x 21	28,4
2	4T9123	//	265	360	30	2 x 27	20,1
2	4T9124	//	265	360	30	2 x 27	20,1
2	4T9185		572	360	30	4 x 36	43,4
2	4T9548		1518	330	41	10 x 27	155,7
2	4T9561		1041	330	41	7 x 27	106,8
2	4T9563		967	280	25	3 x 27	47,3
2	4T9586		1694	330	28,5	11 x 27	118,7
2	4T9587	>	800	330	28,5	5 x 27	56,1
2	4T9836		1692	330	35	11 x 27	147,2
2	4T9838	>	800	330	35	5 x 27	69,6
2	512-6333(152)		1890	152	16	7 x 18	32,9
1	517-7949		1880	150	20	14 x 18	40,8

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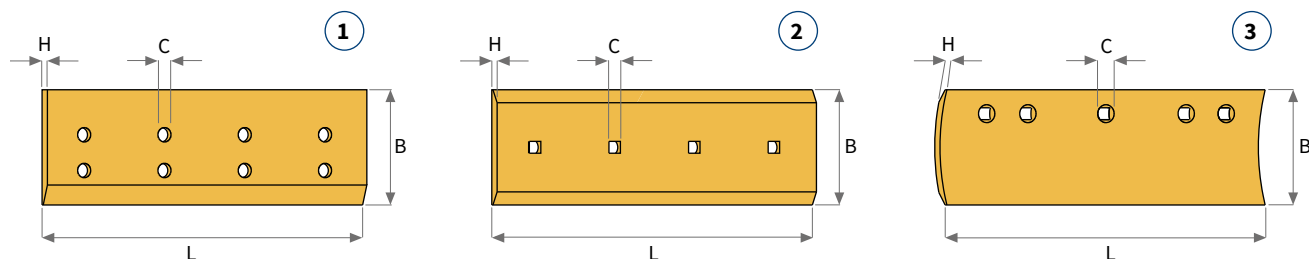
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	521-8053		2320	254	19	8 x 21	83,5
2	573-9485(152)		2045	152	16	9 x 18	35,6
1	573-9486(150)		2036	150	20	18 x 18	44,2
1	581-8833		2060	200	20	14 x 18	60,6
3	5B5561		2133	152	16	9 x 18	36,9
3	5B5564		1828	152	16	8 x 18	31,6
3	5B5567		1524	152	16	7 x 18	26,4
3	5D9553		1828	152	16	13 x 18	31,6
3	5D9554		2133	152	16	15 x 18	36,9
3	5D9556		1828	152	19	13 x 18	37,5
3	5D9557		2133	152	19	15 x 18	43,7
3	5D9558		1828	203	19	13 x 18	51,7
3	5D9559		2133	203	19	15 x 18	60,4
3	5D9561		2133	203	16	15 x 18	50,1
3	5D9562		1828	203	16	13 x 18	43,0
3	5D9731		2438	203	16	17 x 18	57,3
3	5D9732		2438	203	19	17 x 18	69,0
1	5G8342(200)		2366	200	20	28 x 21	69,6
2	5J6803		1518	330	28,5	10 x 27	106,4
2	5J6805		1062	330	28,5	7 x 27	74,4
2	5J6811		1562	254	25	10 x 24	75,0
2	5J6812		800	254	25	5 x 21	38,4
2	5J6831		1521	254	25	10 x 24	73,0
2	5J6832		911	254	25	6 x 24	43,7
2	5J6839		800	254	19	5 x 21	28,8
2	5J6851		1622	254	25	16 x 21	77,9
2	5J6861		2435	203	16	24 x 18	58,0
2	5J6862		1825	203	16	18 x 18	43,4
2	5J6888		1063	254	19	7 x 21	38,3
2	6J1406		1521	203	19	10 x 21	43,3
2	6J2084		1041	330	28,5	7 x 27	73,0
2	6J2349		1521	254	19	15 x 21	54,8
2	6J5340		758	254	19	5 x 24	27,3
2	6J5945		901	330	28,5	6 x 27	63,2
2	6J7116		1530	254	25	10 x 24	73,4
2	6Y0017	>	1024	406	45	9 x 36	141,9
2	6Y3609(32)		680	254	32	4 x 27	41,5
2	6Y3840	>	1227	254	25	8 x 21	58,9
2	6Y4277	\	592	330	41	7 x 27	60,7
2	6Y4278	\	592	330	41	7 x 27	60,7
2	6Y5538		2264	330	28,5	15 x 27	158,7
2	6Y5539		1787	330	28,5	12 x 27	125,3
2	6Y5540	>	803	330	28,5	5 x 27	56,3

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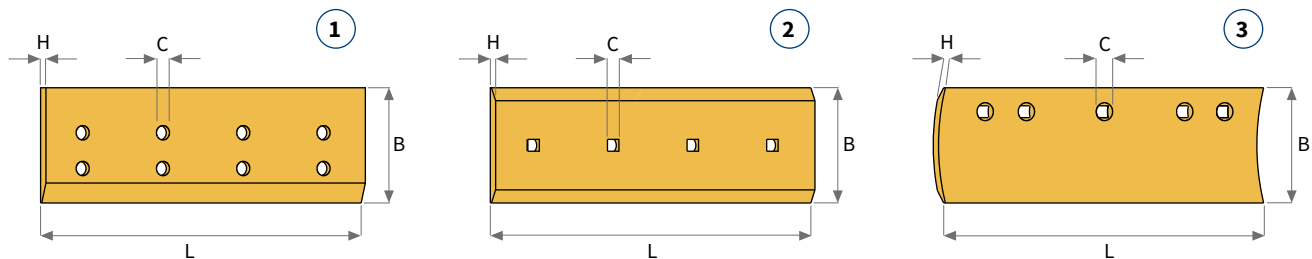
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	6Y5839	\	355	152	16	3 x 18	6,2
2	6Y5840	\	355	152	16	3 x 18	6,2
2	6Y5842		1267	152	16	8 x 18	22,0
3	7D1158		2133	203	16	15 x 21	50,1
3	7D1576		1828	203	19	13 x 21	51,7
3	7D1577		2133	203	19	15 x 21	60,4
3	7D1949		2438	203	19	17 x 21	69,0
3	7D4508		1524	152	16	11 x 18	26,4
3	7D4509		1524	203	16	11 x 18	35,8
1	7I3015		3193	300	40	30 x 35	286,1
2	7J2847		759	254	25	5 x 24	36,4
2	7J2960		952	330	41	6 x 27	97,7
2	7J2962		1518	330	41	10 x 27	155,7
2	7J2980		1041	330	41	7 x 27	106,8
2	7J5228		1028	254	19	7 x 24	37,0
2	7J9475		1165	203	19	11 x 18	33,2
2	7J9476		860	203	19	9 x 18	24,5
2	7J9477		1012	203	19	7 x 21	28,8
2	7J9478		657	203	19	4 x 21	18,7
2	7J9481		1063	254	25	7 x 24	51,0
3	7T1623		2133	203	19	9 x 18	60,4
3	7T1624		2133	203	16	9 x 21	50,1
3	7T1625		2133	203	19	9 x 21	60,4
3	7T1628		2438	203	16	10 x 21	57,3
3	7T1634		1828	203	19	8 x 18	51,7
3	7T1635		1828	152	19	8 x 18	37,5
3	7T1640		1524	152	16	7 x 18	26,4
3	7T1642		1524	152	19	7 x 18	31,2
3	7T1644		2133	152	19	9 x 18	43,7
2	7T4351		1213	330	41	8 x 27	124,5
2	7T4353		1035	330	41	7 x 27	106,2
2	7T5701		2261	330	35	15 x 27	196,7
2	7T5702		1788	330	35	12 x 27	155,6
2	7T5962		530	360	30	4 x 36	40,2
2	7T6589		1094	280	25	7 x 24	53,5
2	7T6591	>	983	280	25	6 x 24	48,1
2	7T6592		567	280	25	4 x 24	27,7
2	7T6678		894	280	25	6 x 24	43,7
2	7T6936	>	908	280	25	6 x 24	44,4
2	7T9125	>	803	330	35	5 x 27	69,9
2	7T9126		1353	330	35	9 x 27	117,7
2	7T9779	>	832	406	35	5 x 36	88,8
2	7T9782		909	406	35	6 x 36	97,0

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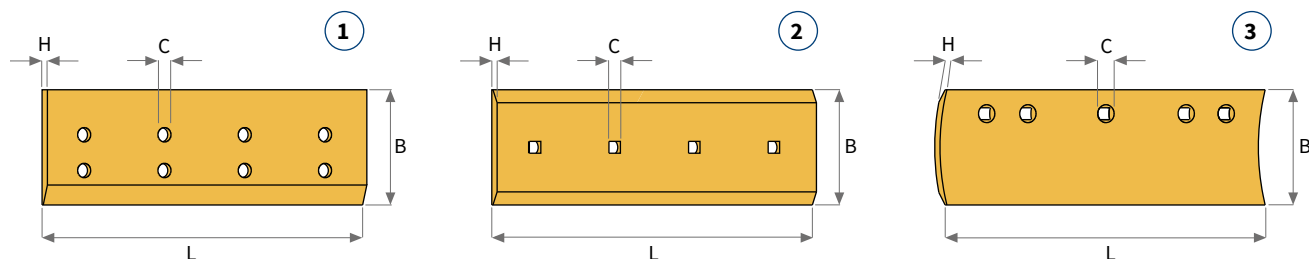
	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	7T9976		1054	203	25	7 x 21	40,3
2	7T9977		1019	203	25	7 x 21	38,9
2	8A8444		1128	280	25	3 x 27	55,2
2	8E4567		1102	280	25	3 x 27	53,9
2	8E4569		247	280	25	2 x 27	12,1
2	8E7078		454	203	19	4 x 21	12,9
2	8E7079		454	203	19	4 x 21	12,9
2	8E7245		1357	203	16	9 x 21	32,3
2	8E9377		1054	203	16	7 x 21	25,1
2	8E9378(19)	\\	476	203	19	4 x 21	13,6
2	8E9379(19)	\\	476	203	19	4 x 21	13,6
2	8J1488		673	203	19	4 x 18	19,2
2	8J1489		809	203	16	5 x 18	19,3
2	8J1490		857	203	16	6 x 18	20,4
3	8J4043		2438	152	16	17 x 18	42,2
2	8J7144		870	152	16	6 x 18	15,1
2	8J7156		1619	203	19	11 x 21	46,1
2	8J8118		1035	254	25	7 x 27	49,7
2	8J8119		1200	254	25	8 x 27	57,6
2	8J9668		1214	254	25	8 x 27	58,3
3	9J3657		1828	152	16	13 x 21	31,6
3	9J3658		2133	152	16	15 x 21	36,9
2	9J6853		1441	203	19	9 x 21	41,1
3	9J7701		1828	203	16	13 x 21	43,0
2	9J9606		857	254	25	6 x 27	41,1
1	9R4672		2262	150	20	16 x 17	49,1
1	9R5313		2406	150	20	16 x 17	52,2
2	9U8057	>	627	203	19	4 x 21	17,9
1	9V6571		2078	250	25	28 x 27	94,5
1	9V6573(270)		2736	270	32	30 x 27	172,6
1	9V6575		3032	300	40	30 x 36	271,7
2	9W0775		757	406	35	5 x 36	80,8
2	9W1375		1525	406	35	3 x 36	162,7
2	9W1878	>	1226	254	19	8 x 21	44,1
3	9W2326		1219	152	16	6 x 21	21,1
3	9W2330		1524	203	16	7 x 21	35,8
3	9W2333		1524	152	19	7 x 21	31,2
3	9W2340		1524	203	19	7 x 18	43,1
2	9W2424	>	1023	406	45	9 x 36	141,8
2	9W2425	>	1020	406	45	9 x 36	141,4
2	9W3927	>	800	330	41	5 x 27	82,1
2	9W4396		1692	330	35	11 x 27	147,2
2	9W4397		2164	330	35	14 x 27	188,3

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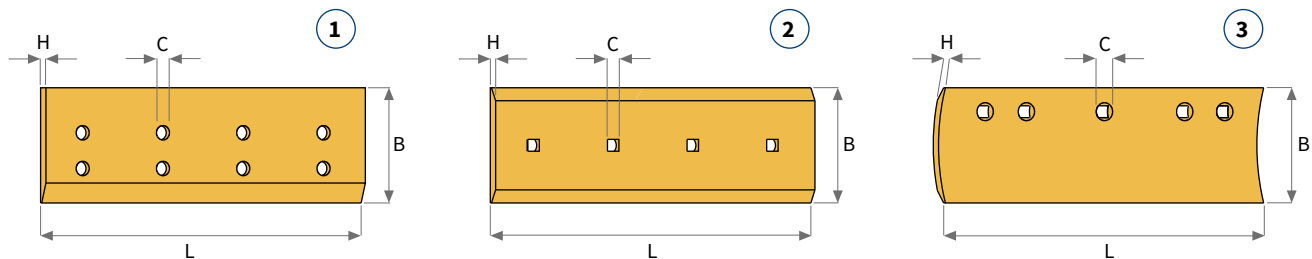


	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	9W4398	>	800	330	35	5 x 27	69,6
2	9W4494(45)	>	1020	406	45	9 x 36	141,4
2	9W4494(50)	>	1020	406	50	9 x 36	157,7
2	9W4495(45)		1098	406	45	9 x 36	152,2
2	9W4495(50)		1098	406	50	9 x 36	169,8
2	9W4500		1039	330	35	7 x 27	90,4
2	9W4502	>	1223	330	35	8 x 27	106,4
2	9W4506	>	633	330	41	6 x 27	64,9
2	9W4507		1353	330	41	9 x 27	138,8
2	9W5232	>	824	330	28,5	5 x 27	57,8
2	9W5432		1238	330	28,5	8 x 27	86,8
2	9W6092		900	330	35	6 x 27	78,3
3	9W6252		1524	203	19	11 x 18	43,1
2	9W6608	>	859	406	35	5 x 36	91,7
2	9W6609		992	406	35	6 x 36	105,8
2	9W6615		848	406	35	5 x 36	90,5
2	9W6656		992	406	45	6 x 36	137,5
2	9W6656(41)		992	406	41	6 x 36	124,6
2	9W6657	>	859	406	45	6 x 36	119,1
2	9W6657(41)	>	859	406	41	6 x 36	107,9
2	9W6658		841	406	45	5 x 36	116,6
2	9W6658(41)		841	406	41	5 x 36	105,6
2	9W6747		527	254	25	4 x 21	25,3
2	9W6748		534	254	25	4 x 21	25,6
2	9W7043(41)		1785	330	41	12 x 27	183,1
2	9W8215		1130	203	19	4 x 18	32,2
2	9W8620		1524	254	19	4 x 21	54,9
2	9W8874		465	254	25	6 x 21	22,3
2	9W8875		465	254	25	6 x 21	22,3
2	9W9772		817	280	25	5 x 24	40,0
2	9W9794		1062	280	25	7 x 24	51,9
2	9W9795		758	280	25	5 x 24	37,1
2	9W9796		1062	280	25	7 x 21	51,9

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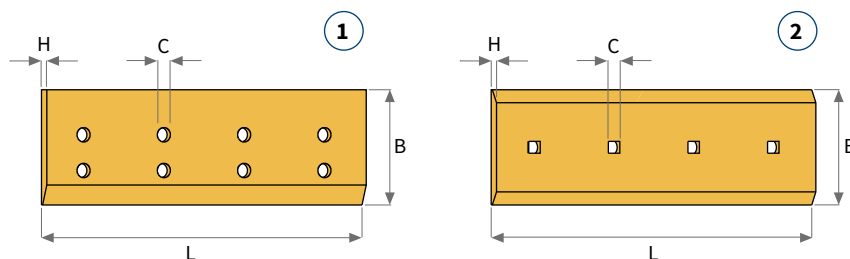


	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	11G-71-31170		378	152	16	4 x 18	6,6
2	12F-70-31251		759	152	16	5 x 18	13,2
2	12F-70-31261		911	152	16	6 x 18	15,9
2	12F-70-31281		1216	152	16	8 x 18	21,2
2	12Y-72-11210		380	203	19	4 x 21	10,8
2	12Y-72-11220		759	203	19	5 x 21	21,6
2	12Y-72-11230		914	203	19	6 x 21	26,0
2	130-70-41130		1347	203	19	9 x 21	38,4
2	130-70-51130		1423	203	19	9 x 21	40,6
2	130-920-2180		1197	203	19	8 x 21	34,1
2	130-Z20-1510		1254	203	19	8 x 21	35,7
2	134-72-61410		1350	203	19	9 x 21	38,5
2	134-72-61420		1255	203	19	8 x 21	35,8
2	13G-72-61410		1430	203	19	10 x 21	40,8
2	13G-72-61420		890	203	19	6 x 21	25,4
2	13G-72-63250		765	203	19	5 x 21	21,8
2	13G-72-63260		448	203	19	3 x 21	12,8
2	144-70-11131		1659	203	19	11 x 21	47,3
2	144-920-1120		1381	203	19	9 x 21	39,4
2	14X-71-11310		1381	203	19	9 x 21	39,4
2	14X-952-1130		1276	203	19	8 x 21	36,4
2	14Y-71-11210		1659	203	19	11 x 21	47,3
2	154-70-11314		1158	254	25	8 x 21	55,6
2	154-70-16591		1308	254	25	9 x 21	62,8
2	154-72-11122		1384	254	25	9 x 21	66,4
2	154-72-11151		907	254	25	6 x 21	43,5
2	154-81-11191		835	254	25	6 x 21	40,1
2	175-70-21114		1975	254	25	13 x 24	94,8
2	175-70-21115		1397	254	25	9 x 24	67,1
2	175-70-26310		1064	254	25	7 x 24	51,1
2	175-71-11242	>	1509	254	25	10 x 24	72,4
2	175-72-21120		1670	254	25	11 x 24	80,2
2	175-72-21122	<>	1670	254	25	11 x 24	80,2
2	175-72-21123	>	902	254	25	6 x 24	43,3
2	175-72-21131		876	254	25	7 x 24	42,0
2	175-72-21133		876	254	25	6 x 24	42,0
2	17A-71-11351	>	762	330	32	5 x 27	60,4
2	17A-71-45210		1064	330	32	7 x 27	84,3
2	17A-71-45220	//	435	330	32	3 x 27	34,5
2	17A-71-45230	//	435	330	32	3 x 27	34,5
2	17M-71-21550	>	1086	330	32	7 x 27	86,0
2	17M-72-21160	>	781	330	32	5 x 27	61,9
2	195-70-12492		1327	330	32	9 x 27	105,1

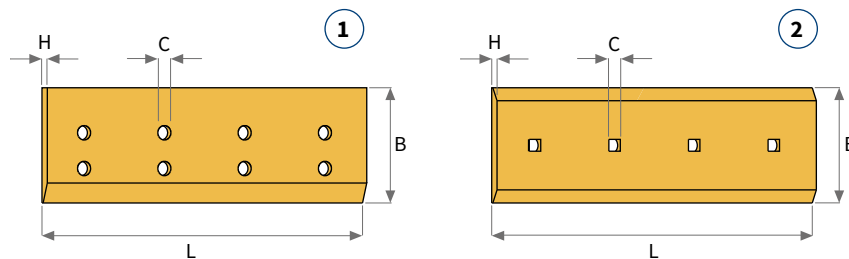


	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	195-71-11654		1060	330	32	7 x 27	84,0
2	195-71-37450		911	330	32	6 x 27	72,2
2	195-71-51120	>	711	330	32	5 x 27	56,3
2	195-71-61550		887	406	41	6 x 36	111,4
2	195-72-11144	>	877	330	32	6 x 27	69,5
2	198-71-11181		1193	406	41	8 x 36	149,8
2	198-72-11181	>	858	406	41	5 x 36	107,8
3	232-70-12143		1828	152	16	13 x 18	31,6
3	232-70-52850		1828	203	19	13 x 18	51,7
3	234-70-12710		2133	203	16	15 x 21	50,1
2	235-70-12320		2437	254	25	17 x 21	117,0
1	312-60-4605		2320	200	20	16 x 18	68,2
1	37A-70-12A11		1550	150	16	12 x 13	27,9
2	419-70-H2C80		1605	330	32	4 x 24	127,1
2	41E-70-15221		1365	254	25	9 x 24	65,5
2	421-815-1111		1951	330	32	8 x 24	154,5
2	421-815-1121		547	330	32	4 x 24	43,3
2	423-70-H2C50		1622	330	30	4 x 24	120,0
2	424-70-H2C30		570	330	32	4 x 24	45,1
2	424-70-H2D50		1697	330	30	4 x 24	125,6
2	424-70-H2D60		649	330	30	4 x 24	48,0
2	424-70-H2D80		1868	330	30	5 x 24	138,2
2	424-75-H2010		599	330	30	4 x 24	44,3
2	424-75-H2020		1797	330	30	5 x 24	133,0
2	425-71-H2510		2036	330	30	6 x 24	150,7
2	425-71-H2520		700	330	30	4 x 24	51,8
2	425-838-1110		285	406	41	2 x 36	35,8
1	42N-810-1D50		2320	200	20	16 x 18	68,2
1	42N-833-1C40A		2340	200	20	16 x 18	68,8
1	42N-833-1J40A		2440	200	20	16 x 18	71,7
1	42N-833-2B30		2340	200	20	16 x 18	68,8
1	42N-833-2E90		2440	200	20	16 x 18	71,7
2	42W-70-22100		2200	203	19	8 x 18	62,7
2	42Y-70-H2N60		1397	254	25	4 x 24	67,1
2	42Y-70-H2N70		569	254	25	4 x 24	27,3

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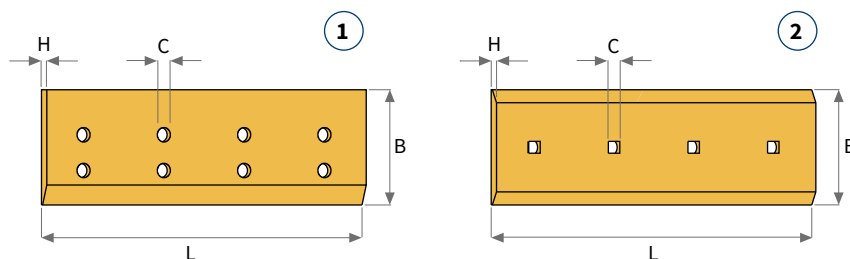


	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	5716012		1210	360	30	3 x 27	91,7
2	5716013		1318	360	30	3 x 36	99,9
2	5716016		1230	360	30	3 x 36	93,2
2	5716101		270	360	30	2 x 36	20,5
2	7413233		225	280	25	2 x 27	11,0
2	7414220		1017	360	30	3 x 36	77,1
2	7414221		190	360	30	2 x 36	14,4
2	8920443		520	152	19	3 x 18	10,9
2	9032134		963	203	19	6 x 21	27,4
2	9032135		1159	203	19	8 x 21	33,0
2	9032136		1009	203	19	7 x 21	28,8
2	9032137		656	203	19	4 x 21	18,7
2	9032138		646	203	25	4 x 21	24,7
2	9032142		908	203	19	6 x 21	25,9
2	9032143		646	203	19	4 x 21	18,4
2	9032144		1018	203	19	7 x 21	29,0
2	9032280		1011	203	16	7 x 21	24,1
2	9032837		841	203	19	6 x 21	24,0
2	9032838		1128	203	19	7 x 21	32,1
2	9033395		969	203	19	7 x 21	27,6
2	9033803		915	203	19	6 x 21	26,1
2	9033804		598	203	19	4 x 21	17,0
2	9033958		1167	254	25	8 x 27	56,0
2	9033959	>	1328	254	25	9 x 27	63,7
2	9034321		905	254	25	6 x 24	43,4
2	9034322		760	254	25	5 x 24	36,5
2	9035362		743	203	19	5 x 21	21,2
2	9036915		845	203	19	5 x 21	24,1
2	9038314		863	254	25	6 x 24	41,4
2	9039944		1159	203	25	8 x 21	44,3
2	9040420	\\	415	203	19	6 x 21	11,8
2	9040421	\\	415	203	19	6 x 21	11,8
2	9041016		887	203	25	6 x 21	33,9
2	9043587		858	203	19	6 x 21	24,5
2	9043588		907	203	25	6 x 21	34,6
2	9043940		930	203	16	6 x 21	22,1
2	9044481		786	203	19	5 x 21	22,4
2	9045078		614	203	16	4 x 21	14,6
2	9050645		330	203	19	6 x 21	9,4
2	9067095		880	330	28,5	6 x 27	61,7
2	9067096		1233	330	28,5	9 x 27	86,4
2	9067181		790	280	25	6 x 21	38,6
2	9067182		1115	280	25	9 x 21	54,5

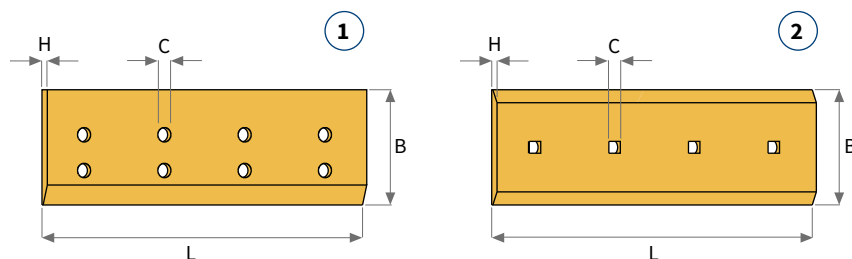


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2	9068411		715	152	19	3 x 18	14,9
2	9068413		565	152	19	3 x 18	11,8
2	9068421		640	152	19	3 x 18	13,4
2	9068424		665	152	19	3 x 18	13,9
2	9068429		780	152	19	3 x 18	16,3
1	9068431		2328	150	20	10 x 18	50,5
2	9069493		459	330	41	2 x 27	47,1
2	9069494		885	330	41	3 x 27	90,8
2	9092312		743	203	25	5 x 21	28,4
2	9092313		841	203	25	6 x 21	32,1
2	9118299		1065	254	25	7 x 24	51,1
2	9134397		459	280	25	2 x 27	22,4
2	9134398		782	280	25	3 x 27	38,2
2	9134452		885	280	25	3 x 27	43,3
2	9183109		385	203	25	6 x 21	14,7
2	9183110		385	203	25	6 x 21	14,7
2	9183810	>	735	203	19	5 x 21	20,9
2	9183811	\	415	203	25	6 x 21	15,9
2	9183812	\	415	203	25	6 x 21	15,9
2	9400254	\	575	330	35	7 x 27	50,0
2	9400255	\	575	330	35	7 x 27	50,0
2	9400982	>	1011	330	28,5	6 x 27	70,9
2	9401586	>	1062	203	25	7 x 21	40,6
2	9409631	>	735	203	25	5 x 21	28,1
2	9409667	>	692	203	25	5 x 21	26,4
2	9413950	>	1011	330	35	6 x 27	88,0
2	9416117		878	330	41	6 x 27	90,1
2	9503644		1064	330	41	7 x 27	109,2
2	9504100		354	203	19	2 x 21	10,1
2	9504346		842	203	19	5 x 21	24,0
2	9504409		583	330	41	2 x 36	59,8
2	9504411		911	330	41	3 x 36	93,5
2	9506559		665	152	19	3 x 18	13,9
2	9507720		814	152	19	4 x 18	17,0
2	9509258		831	203	19	2 x 21	23,7
2	9509333		782	203	19	2 x 21	22,3
2	9509371		1032	203	19	3 x 21	29,4
1	9509833		1800	150	20	12 x 18	39,1
2	9509973		1034	152	19	3 x 18	21,6
2	9509974		380	152	19	2 x 18	7,9
2	9541013		583	280	25	2 x 27	28,5
2	9605781		1161	330	41	4 x 36	119,1
2	9605782		582	330	41	2 x 36	59,7

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	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	9607719		732	203	19	2 x 21	20,9
2	9608661		420	203	25	2 x 27	16,0
2	9608746		1062	330	41	3 x 36	109,0
2	9609501		533	330	41	2 x 36	54,7
2	9742662		726	254	32	4 x 27	44,4
2	9743820	>	878	203	25	6 x 21	33,5
2	9780054	>	1111	254	25	7 x 24	53,3
2	9782542	>	1111	203	19	7 x 21	31,7
2	9786492		656	203	25	4 x 21	25,1
2	9786813		1128	203	25	7 x 21	43,1
2	9787273		918	254	25	6 x 24	44,1
2	9788131		863	254	32	6 x 24	52,7
2	9790891		1098	330	28,5	7 x 27	77,0
2	9793230	\\	409	203	25	6 x 21	15,6
2	9793231	\\	409	203	25	6 x 21	15,6
2	9798554		1037	330	28,5	7 x 27	72,7
2	9798555	>	798	330	28,5	5 x 27	55,9
2	9799210		1098	330	35	7 x 27	95,5
2	9799821		1037	330	35	7 x 27	90,2
2	9799822	>	798	330	35	5 x 27	69,4
2	9814052	>	1083	330	28,5	7 x 27	75,9
2	9814070	>	1083	330	35	7 x 27	94,2
2	9818106		1256	330	41	8 x 27	128,9
2	9818107	>	1083	330	41	7 x 27	111,1
2	9818127	>	978	254	25	6 x 24	46,9
2	9818384	>	978	254	32	6 x 24	59,8
2	9930971		385	203	19	6 x 21	11,0
2	9930972		385	203	19	6 x 21	11,0
2	9931620		1115	152	16	7 x 21	19,4
2	10019161		247	280	25	2 x 27	12,1
2	10027232		265	280	25	2 x 27	13,0
2	10287173		210	280	25	2 x 27	10,3
2	10303796	>	1064	330	41	7 x 27	109,2
2	10304385		878	330	35	6 x 27	76,4
2	10311513		990	406	45	6 x 36	137,2
2	10311516	>	857	406	45	5 x 36	118,8
2	10313610		890	254	19	4 x 21	32,0
2	10313611		803	254	19	3 x 21	28,9
2	10424977		1451	406	35	3 x 36	154,8
2	11393887		1194	203	16	8 x 21	28,4
2	12428469		319	406	35	2 x 36	34,0
2	12429257		1557	406	35	3 x 36	166,1
2	12445624		150	254	35	4 x 27	10,1



	# PART NO.	 CUTTING	L	B	H	 Q.ty x C	 Kg
2	12457732		936	203	19	6 x 21	26,7
2	12457733		1102	203	19	7 x 21	31,4
2	12457866		218	203	19	2 x 21	6,2
2	12463044		584	330	41	2 x 36	59,9
2	12487751		1033	203	19	7 x 21	29,4
2	12847324		459	330	35	2 x 27	39,9
2	12847327		960	330	35	3 x 27	83,5
2	12965934		844	330	35	4 x 27	73,4
2	12965937		1185	330	35	6 x 27	103,1
1	12993652		2500	200	20	6 x 21	73,5
2	13491917		385	203	19	3 x 21	11,0
2	13491966		395	203	25	3 x 21	15,1
2	13492040		385	203	25	3 x 21	14,7
2	13492068		608	203	25	5 x 21	23,2
2	90506456		330	203	19	6 x 21	9,4
2	93502268		121	203	25	2 x 21	4,6
2	93506238		777	203	16	5 x 21	18,5
2	93506239	\	640	203	16	4 x 21	15,2
2	93506464		1260	330	28,5	8 x 27	88,3
2	93509914	>	857	406	35	5 x 36	91,4
2	93509922		849	406	35	5 x 36	90,6
2	93509953		1017	330	35	6 x 27	88,5
2	93509954		1017	330	28,5	6 x 27	71,3
2	93511716		849	406	45	5 x 36	117,7
2	93512736		907	203	16	6 x 21	21,6
2	93512887		786	203	16	5 x 21	18,7
2	934188816		1061	330	41	3 x 36	108,9



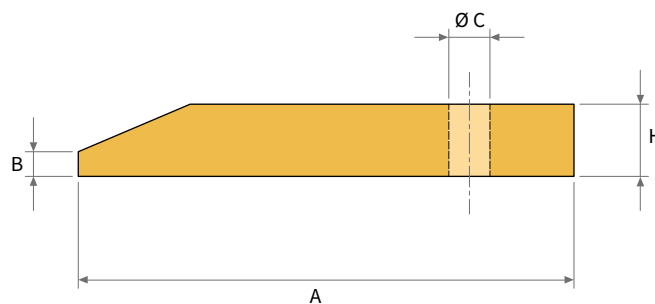
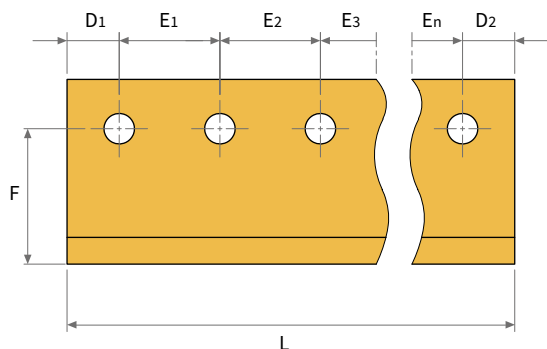
Blades manufactured with length and drilling on request

- › Lame prodotte con lunghezza e foratura a richiesta
- › Messerstähle mit Länge und Bohrung auf Anfrage hergestellt
- › Lames réalisées avec longueur et perçage sur demande
- › Ножи изготовленные с длиной и отверстиями на заказ
- › Cuchillas producidas con largo y taladros bajo pedido

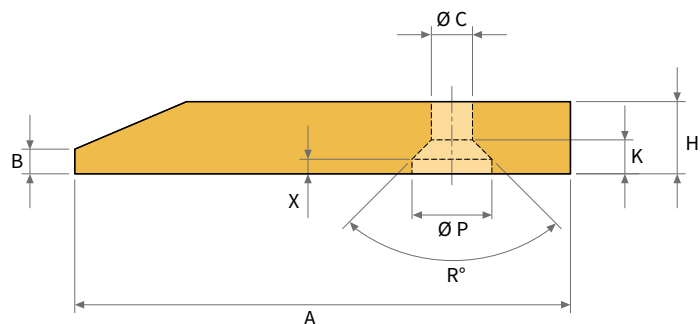
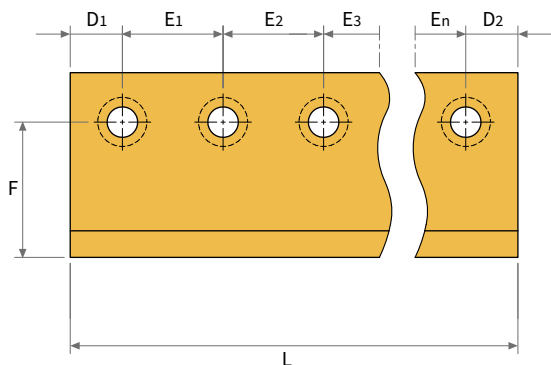
Single bevel blades produced with length and drilling on request

- › Lame ad uno smusso prodotte con lunghezza e foratura a richiesta
- › Einfache Messerstäbe mit Länge und Bohrung auf Anfrage hergestellt
- › Lames à un chanfrein réalisées avec longueur et perçage sur demande
- › Ножи с одним скосом с длиной и отверстиями на заказ
- › Cuchillas a un bisel producidas con largo y taladros bajo pedido

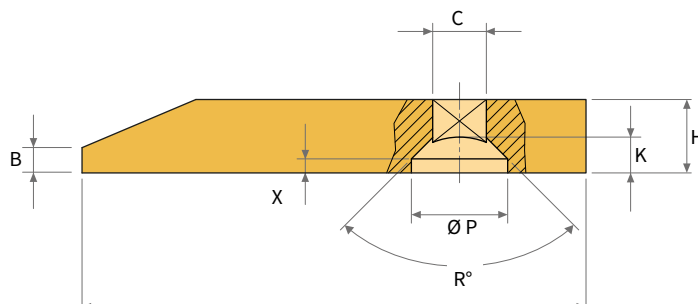
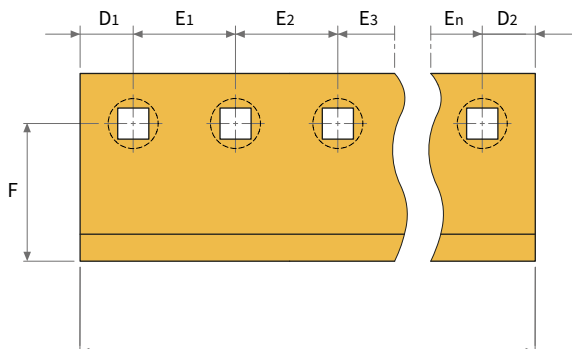
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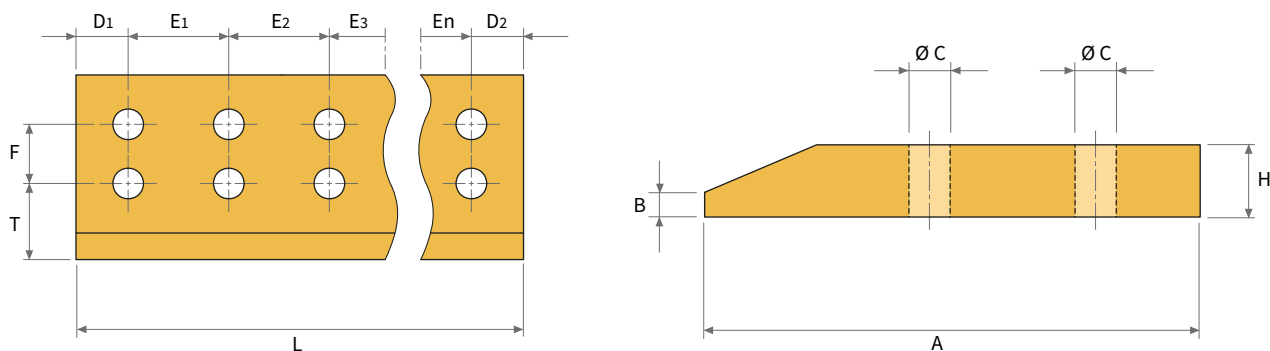
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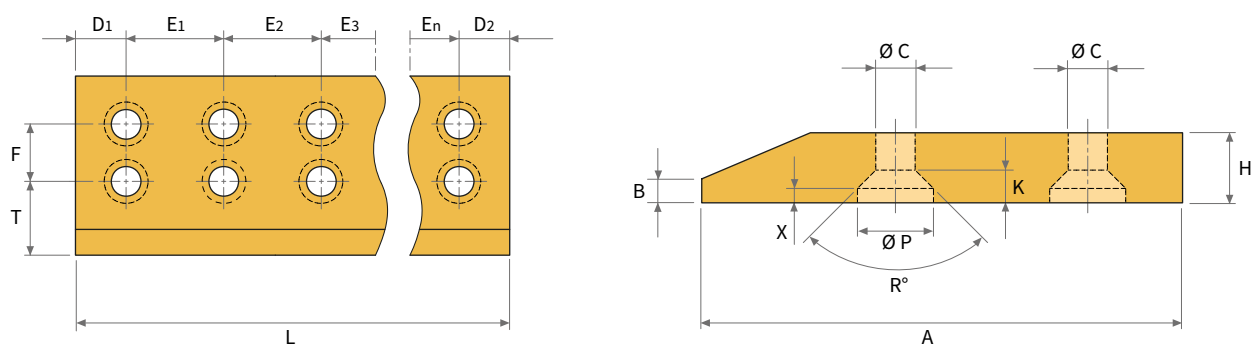
Single bevel blades produced with length and drilling on request

- › Lame ad uno smusso prodotte con lunghezza e foratura a richiesta
- › Einfasige Messerstähe mit Länge und Bohrung auf Anfrage hergestellt
- › Lames à un chanfrein réalisées avec longueur et perçage sur demande
- › Ножи с одним скосом с длиной и отверстиями на заказ
- › Cuchillas a un bisel producidas con largo y taladros bajo pedido

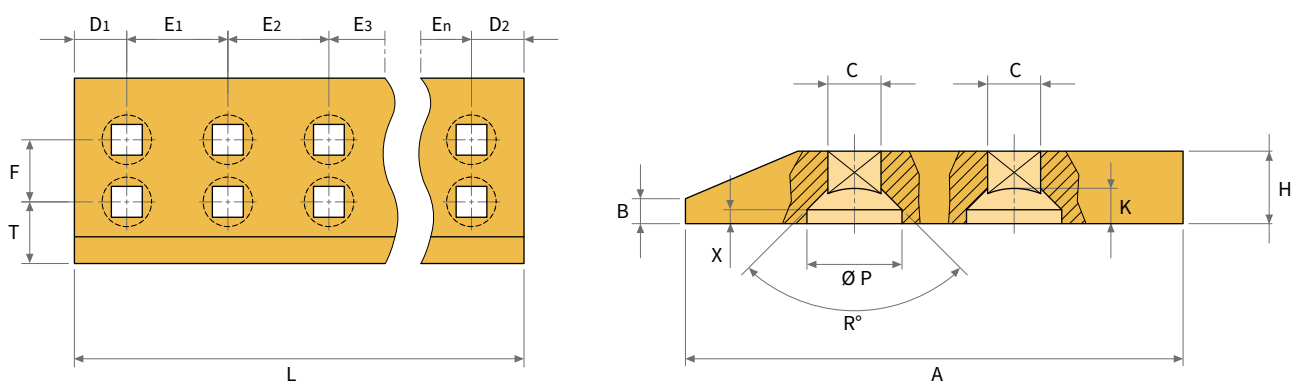
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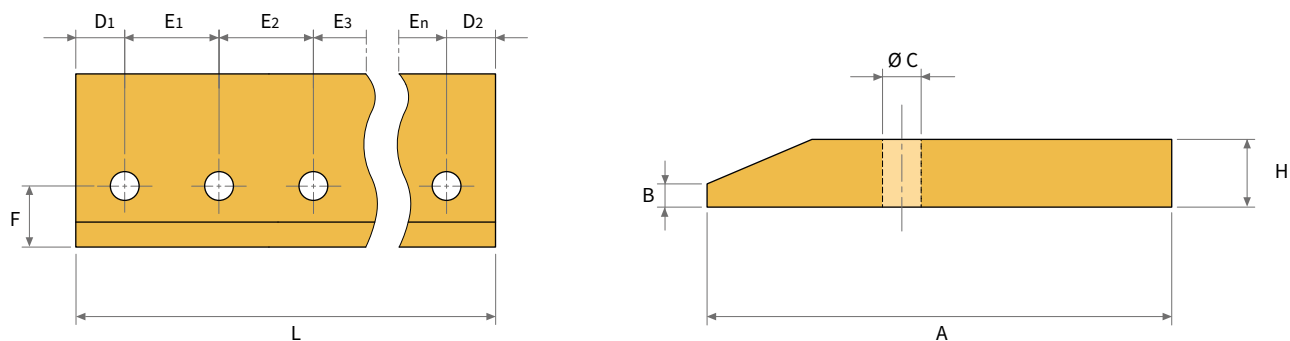
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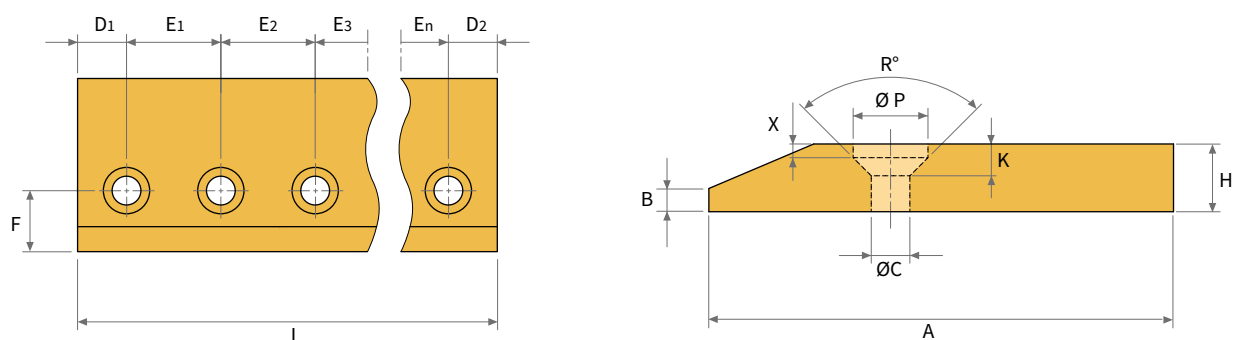
Single bevel blades produced with length and drilling on request

- › Lame ad uno smusso prodotte con lunghezza e foratura a richiesta
- › Einfasige Messerstähe mit Länge und Bohrung auf Anfrage hergestellt
- › Lames à un chanfrein réalisées avec longueur et perçage sur demande
- › Ножи с одним скосом с длиной и отверстиями на заказ
- › Cuchillas a un bisel producidas con largo y taladros bajo pedido

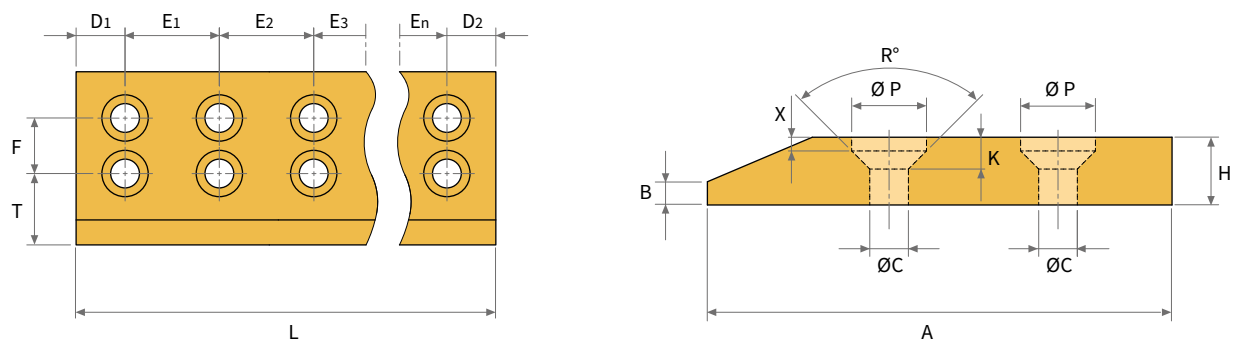
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8



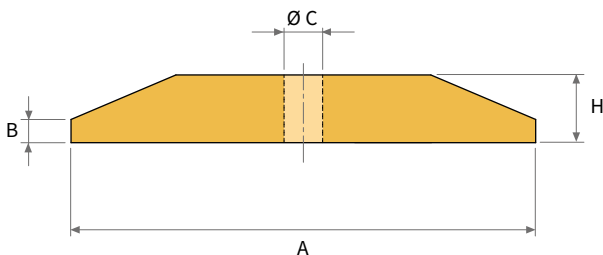
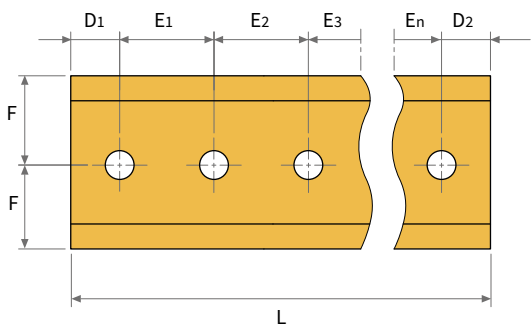
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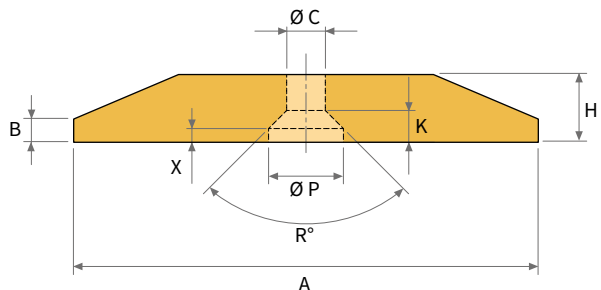
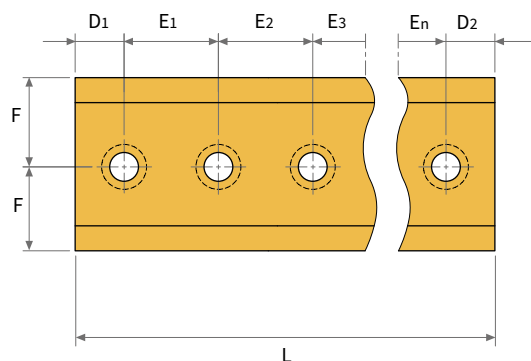
Double bevel blades produced with length and drilling on request

- › Lame a due smussi prodotte con lunghezza e foratura a richiesta
- › Zweifläsige Messerstähe mit Länge und Bohrung auf Anfrage hergestellt
- › Lames à deux chanfreins réalisées avec longueur et perçage sur demande
- › Ножи с двумя скосами с длиной и отверстиями на заказ
- › Cuchillas a dos biseles producidas con largo y taladros bajo pedido

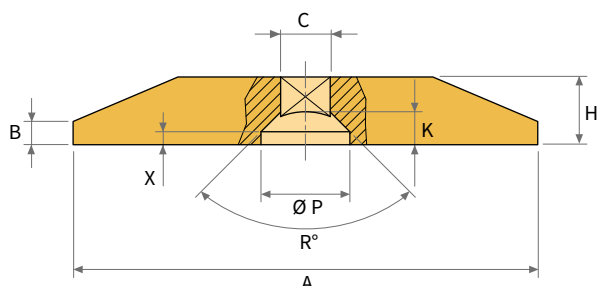
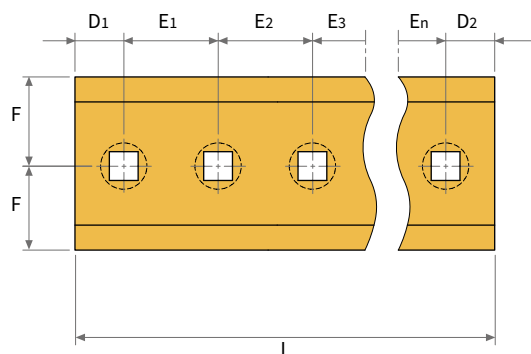
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11



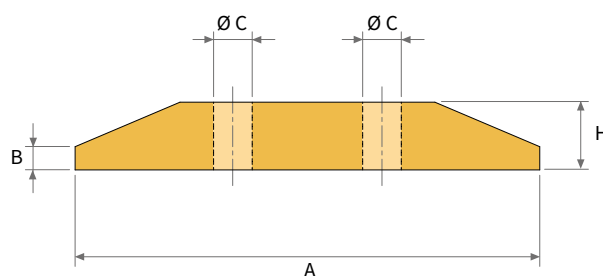
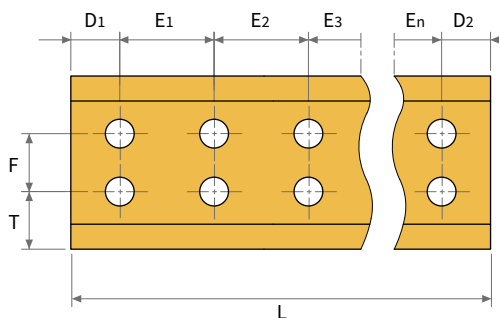
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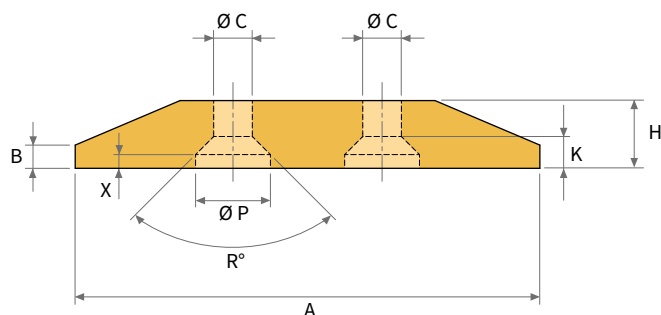
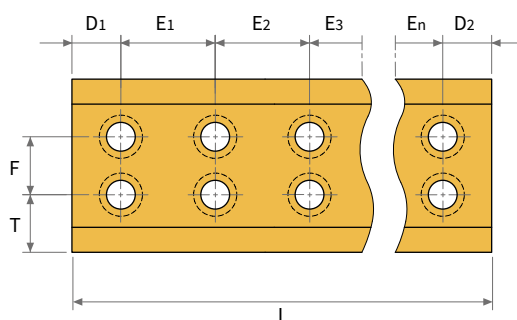
Double bevel blades produced with length and drilling on request

- › Lame a due smussi prodotte con lunghezza e foratura a richiesta
- › Zweifläsige Messerstähe mit Länge und Bohrung auf Anfrage hergestellt
- › Lames à deux chanfreins réalisées avec longueur et perçage sur demande
- › Ножи с двумя скосами с длиной и отверстиями на заказ
- › Cuchillas a dos biseles producidas con largo y taladros bajo pedido

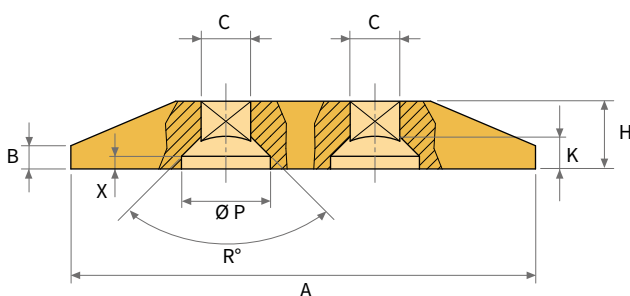
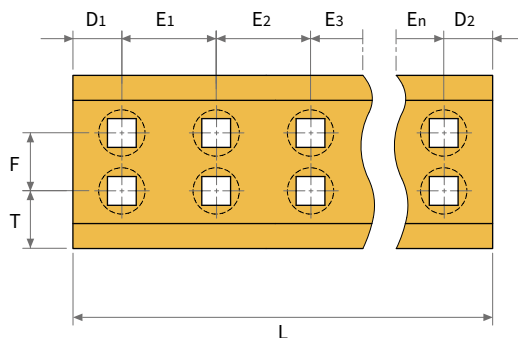
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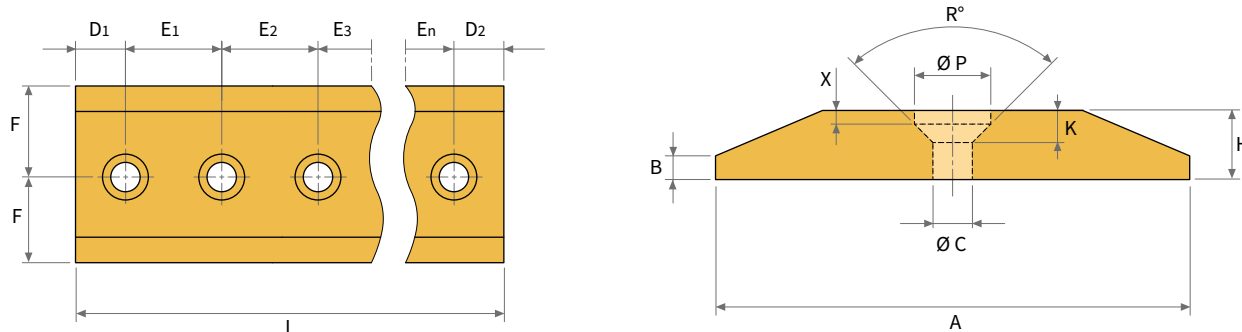
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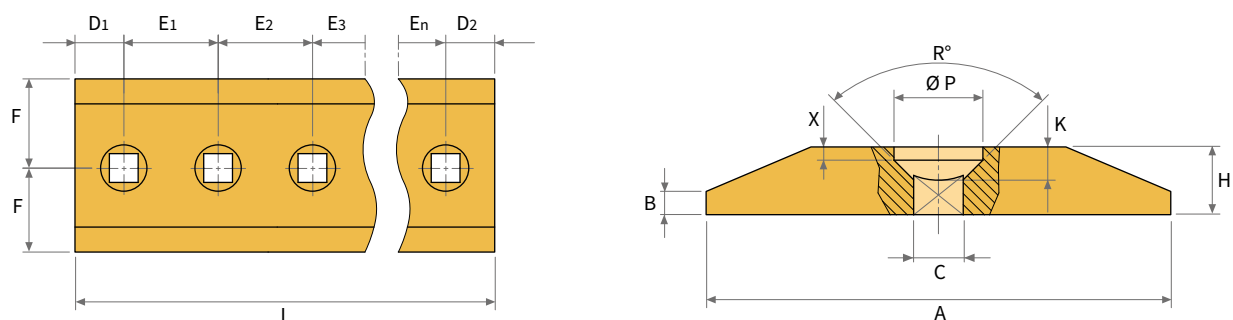
Double bevel blades produced with length and drilling on request

- › Lame a due smussi prodotte con lunghezza e foratura a richiesta
- › Zweifasige Messerstähle mit Länge und Bohrung auf Anfrage hergestellt
- › Lames à deux chanfreins réalisées avec longueur et perçage sur demande
- › Ножи с двумя скосами с длиной и отверстиями на заказ
- › Cuchillas a dos biseles producidas con largo y taladros bajo pedido

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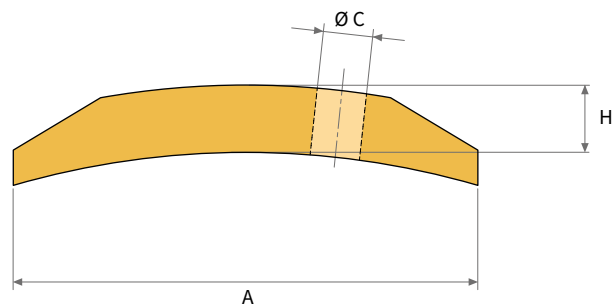
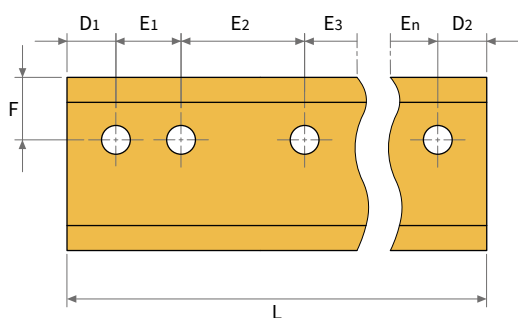
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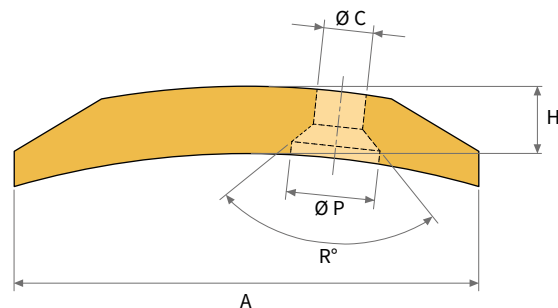
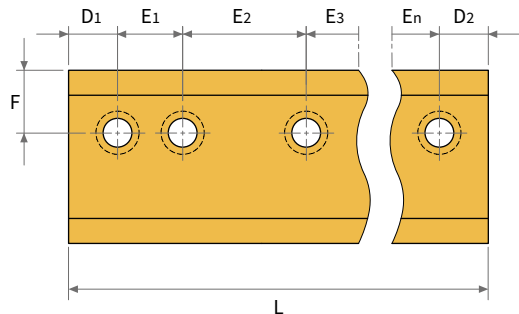
Curved double bevel blades produced with length and drilling on request

- › Lame curva a due smussi prodotte con lunghezza e foratura a richiesta
- › Gekrümmte zweifasige Messerstähle mit Länge und Bohrung auf Anfrage hergestellt
- › Lames courbes à deux chanfreins réalisées avec longueur et perçage sur demande
- › Гнутые ножи с двумя скосами с длиной и отверстиями на заказ
- › Cuchillas curva a dos biseles producidas con largo y taladros bajo pedido

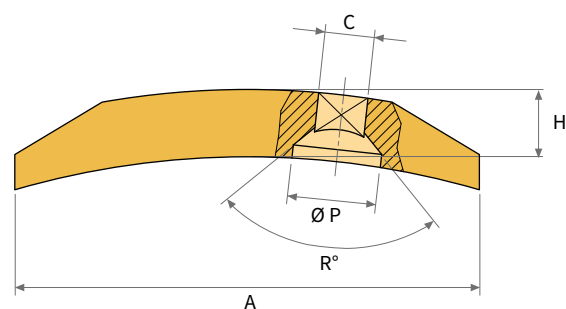
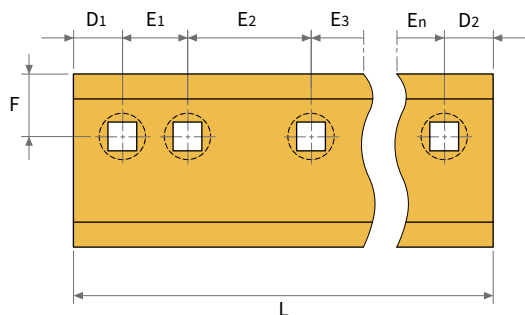
18



19



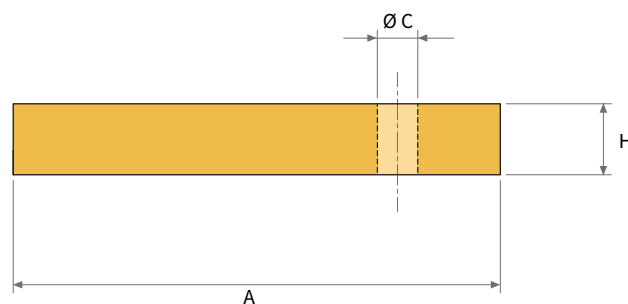
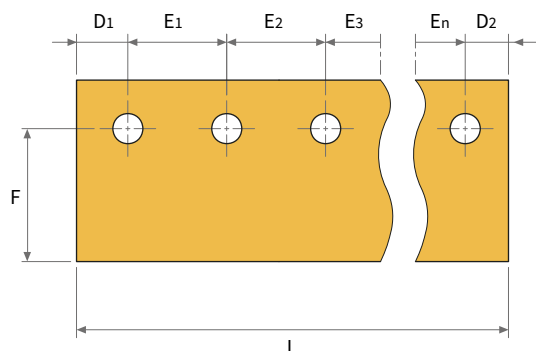
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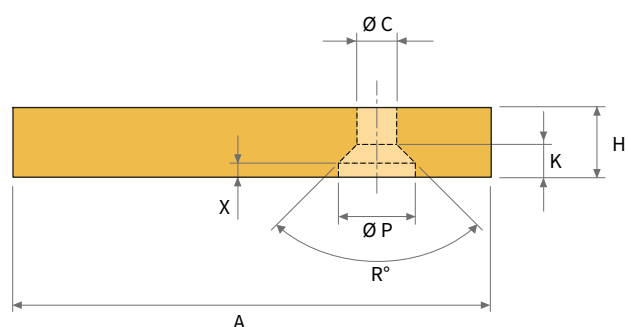
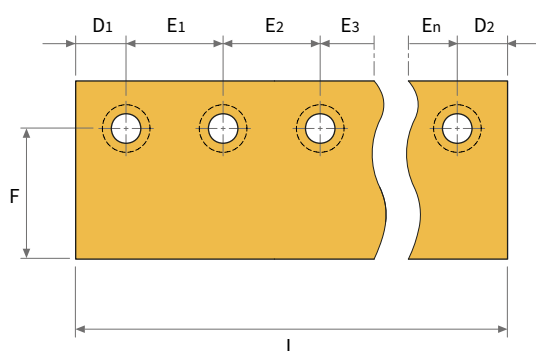
Rectangular profiles produced with length and drilling on request

- › Profili rettangolari prodotti con lunghezza e foratura a richiesta
- › Rechteckige Profile mit Länge und Bohrung auf Anfrage hergestellt
- › Profils rectangulaires réalisées avec longueur et perçage sur demande
- › Прямоугольные профили с длиной и отверстиями на заказ
- › Platos rectangulares producidos con largo y taladros bajo pedido

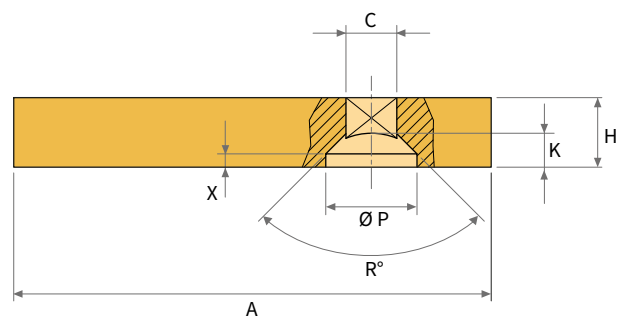
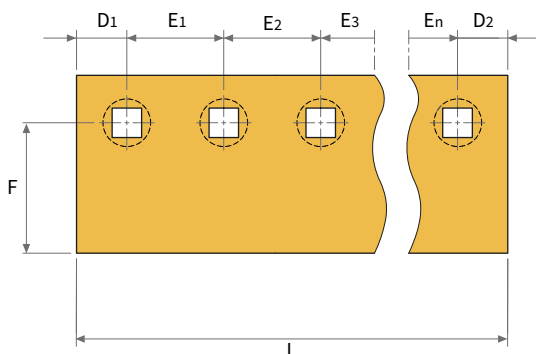
21



22



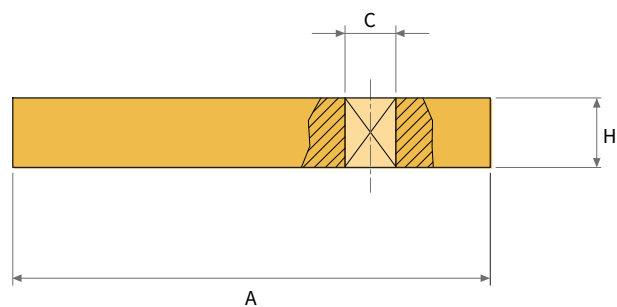
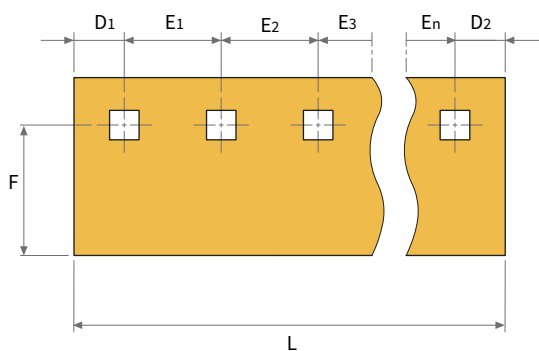
23



Rectangular profiles produced with length and drilling on request

- › Profili rettangolari prodotti con lunghezza e foratura a richiesta
- › Rechteckige Profile mit Länge und Bohrung auf Anfrage hergestellt
- › Profils rectangulaires réalisées avec longueur et perçage sur demande
- › Прямоугольные профили с длиной и отверстиями на заказ
- › Platos rectangulares producidos con largo y taladros bajo pedido

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This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text present.

[illegible]

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