



Excavators Quarries & Mines



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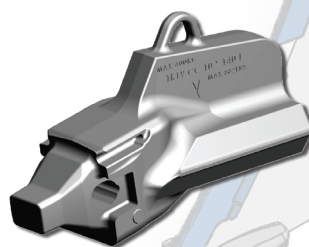
Adapters



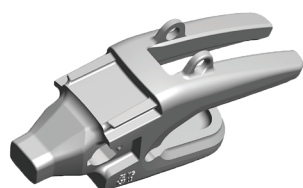
Abrasion A10° : Excavator adaptor. A wear cap is fixed to the upper leg. Nose angle is 10°. Excellent abrasion resistance.



Standard : Adaptor for excavators and loaders. Good tooth continuity shape. Adaptor without wear cap for low-abrasion applications.



Cast Corner : Specific adaptor for large excavators. This adapter has a blade and wing start, and is fitted into the sides of the bucket. It is most often used in highly abrasive environments.



Straddle : Specific adaptor for excavators and loaders. It fits into the right and left corners on the bucket, without having to cut the wing to install it.



Weld on nose : Adaptor for ripper application, and for adapter restoration.



PA et PA CC : Wear cap to fit A10° and A16° on abrasion adapters and Cast Corner (PA CC).



PA WH : Special wear cap for installation on Cast Corner 17 and 19. The cap protects the top of the Cast Corner and the wing start-up at the connection weld.

Teeth

DPE



Twin Pick : Double vector tooth used on bucket corners to protect the sides from wear.

PE



Pick : Long and sharp tooth ensuring an excellent penetration.

PE-C



Pick Short : Short tooth, accurate shape to be used as rock cutting tooth.

RM-R



Resistance Mining : Mining tooth provides a good balance of abrasion resistance and penetration for tough applications

PR



Rock Chisel : Perfect tooth shape for a strong penetration. Excellent compromise wear material/penetration.

PR-R



Rock Chisel + : Enough material for a correct abrasion resistance perfect shape enabling better penetration.

RM-RR



Resistance Mining + : Reinforced mining excavator tooth offering a good ratio between abrasion resistance and penetration in severe applications.

CP



Coal Penetration : Pointed and penetrating tooth, used to scalp layers of materials in less abrasive environments (such as coal).

Shrouds



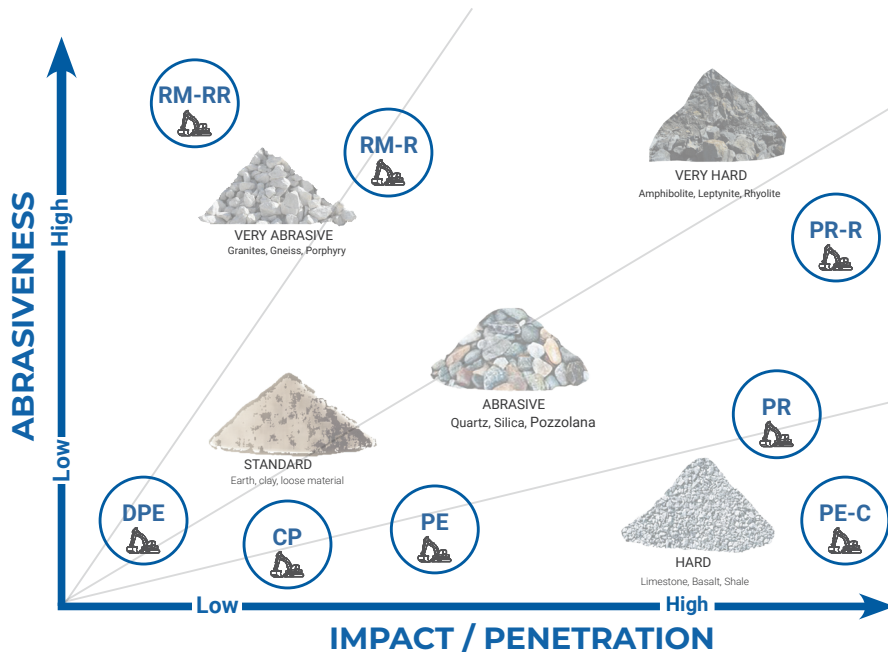
60mm to 140mm

30mm to 90mm



Recommended TURNKEY® Rhino according to machines

SIZE	Poids Machine / Machine Weight	Epaisseur de lame / Blade Thickness	VOLVO	HITACHI	CAT	LIEBHERR	KOMATSU
TKN 10	30T - 41T	50mm / 60mm	EC 300 EC 380	ZX 300 ZX350	329 336	R 934 R 936	PC 290
TKN 11	40T - 53T	60mm / 70mm	EC 380 (HD) EC 480	ZX 350 (HD) ZX 490 ZX 520	345 349	R 944 - R 946 R 950 - R954	
TKN 13	50T - 87T	70mm / 80mm / 90mm	EC 480 (HD) EC 700- EC 750	ZX 490 (HD) ZX 670 ZX 870	349 (HD) 352 374	R956-R 960 R 964-R966	PC 490 (HD) PC 700
TKN 15	85T - 150T	90mm / 100mm	EC 950	ZX 870 (HD) EX 1200	385 390 6015	R 974 - R970 HD R976 - R980 R984C - R9100 R9150	PC 800 PC 1200
TKN 17	T - T	100mm /120mm		EX1 1900	RH90 6018	R994	PC 1800 PC 2000
TKN 19	T - T	120mm / 140mm		EX 2600 EX 3600 (STD)	RH 120 6030 6040 (STD)	R9250 R9350 (STD)	PC 3000 PC 4000 (STD)



◆ Performance & Safety in service

- *Innovative and secure locking devices*
- *Perfect fitting*
- *No loss of teeth*
- *Better soil penetration*
- *Driver comfort*
- *Very easy assembly and disassembly*
- *Bucket loading optimization*

◆ Reduction of operating costs (T.C.O*)

- *Optimized shape tooth wear ratio*
 - Less change over
- *Bucket life time adapters & wear caps*
 - Less downtime
- *Bucket loading optimization*
 - Better productivity

up to
75%

Adapters Dimensions

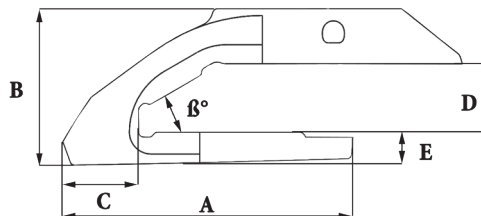
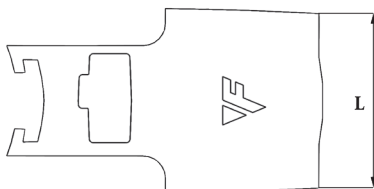
SIZE	PART NO.	WEIGHT KG	Blade Thickness [mm]	DIMENSIONS [mm]					
				A	B	C	L	θ°	β°
10	TKN10 1550 A10°	31	50	52	137	240	150	30°	10°
10	TKN10 1560 A10°	31	60	62	137	240	150	30°	10°
10	TKN10 1550 STD	28,5	50	51	142	240	148	30°	10°
10	TKN10 1560 STD	27,5	60	62	142	240	149	30°	10°
10	TKN10 1565 STD	28	65	67	142	240	149	30°	10°
10	TKN10 1560 A10° STR								
10	TKN10 NS	19.5	-	-	-	-	150	-	-
10	TKN10 PA	3	-	168	98	43	-	-	-
11	TKN11 1560 A 10°	46	60	62	178	275	170	30°	10°
11	TKN11 1570 A 10°	45.5	70	72	178	275	170	30°	10°
11	TKN11 1560 STD	40.5	60	63	190	280	167	30°	10°
11	TKN11 1565 STD	40.5	65	67	190	280	167	30°	10°
11	TKN11 1570 STD	40.5	70	72	190	283	167	30°	10°
11	TKN11 1570 A10° STR								
11	TKN11 NS	26.3	-	-	-	-	168	-	0°
11	TKN11 PA	5.26	-	201	11	51	-	-	-
13	TKN13 1570 A 10°	70.5	70	73	193	330	190	30°	10°
13	TKN13 1580 A 10°	70	80	83	193	330	190	30°	10°
13	TKN13 1590 A 10°	70.5	90	93	193	330	190	30°	10°
13	TKN13 1570 STD	59	70	75	190	330	182	30°	10°
13	TKN13 1590 STD	59	90	95	200	330	182	30°	10°
13	TKN13 1880 A16° STR	72	80	82	243	363	190	30°	16°
13	TKN13 NS	33.2	-	-	-	-	183	-	0°
13	TKN13 PA	6.6	-	278	124	55	-	-	-
15	TKN15 1590 A 10°	102.5	90	93	236	410	210	30°	10°
15	TKN15 15100 A 10°	104	100	103	236	410	210	30°	10°
15	TKN15 NS	46.8	-	-	-	-	207	-	0°
15	TKN15 CC10° 100								
15	TKN15 15100 A10° STR	92	100	102	245	386	77	210	10°
15	TKN15 PA	9.3	-	236	151	62	-	-	-
15	TKN15 PA WH 60								
17	TKN17 15100 A 10°	146	100	104	236	420	240	30°	10°
17	TKN17 15120 A 10°	143	120	126	236	420	240	30°	10°
17	TKN17 NS	67	100	-	-	-	239	-	0°
17	TKN17 CC10° 120 L								
17	TKN17 CC10° 120 R								
17	TKN17 15120 A10° STR								
17	TKN17 PA	17	-	276	172	74	-	-	-
17	TKN17 PA WH70								
19	TKN19 15120 A 10°	188	120	122	300	510	272	30°	10°
19	TKN19 15140 A 10°	187	140	142	300	510	273	30°	10°
19	TKN19 CC10° 140 R	380	140	913	566	558	277	30°	10°
19	TKN19 CC10° 140 L	380	140	913	566	558	277	30°	10°
19	TKN19 15140 A10° STR								
19	TKN19 NS	91.25	-	-	-	-	270	-	0°
19	TKN19 PA	27	-	345	215	97	-	-	-
19	TKN19 PA CC								
19	TKN19 PA WH 90								

Teeth Dimensions

SIZE	TYPE	PART NO.	WEIGHT [kg]	DIMENSIONS [mm]				
				A	B	C	D	E
10	PE	TKN10 PE	17	440	168	3	18	113
10	PR	TKN10 PR	19	415	167	7	92	113
10	PR-R	TKN10 PR-R	22	445	168	9	100	113
10	DPE	TKN10 DPE	18	430	168	10	210	113
10	DPE - AUS	TKN10 DPE-AUS	21.5	432	171	45	183	113
10	PE-C	TKN10 PE-C	15	370	168	3	25	113
10	RM-R	**TKN10 RM-R	27	415	168	32	100	113
10	RM-RR	**TKN10 RM-RR	29	410	168	38	116	113
10	EL	TKN10 EL	26	420	168	21	250	113
11	PE	TKN11 PE	21	480	184	4	20	123
11	PR	TKN11 PR	21.85	442	182	11	53	123
11	PR-R	TKN11 PR-R	27	500	182	6	114	123
11	DPE	TKN11 DPE	22	450	184	11	232	123
11	DPE - AUS	TKN11 DPE-AUS	25.75	462	185	45	197	123
11	PE-C	TKN11 PE-C	18.5	400	184	4	28	123
11	RM-R	TKN11 RM-R	30.7	450	182	37	109	123
11	RM-RR	TKN11 RM-RR	34.66	440	182	45	127	123
11	EL	TKN11 EL	34.95	460	185	21	280	123
13	PE	TKN13 PE	26.5	500	196	8	20	139
13	PR	TKN13 PR	30.5	485	196	8	105	139
13	PR-R	TKN13 PR-R	37	524	196	8	113	139
13	RM-R	TKN13 RM-R	38.5	475	196	48	110	139
13	RM-RR	TKN13 RM-RR	45	477	198	59	113	139
13	DPE	TKN13 DPE	32	490	196	12	250	139
13	PE-C	TKN13 PE-C	28	435	196	5	32	139
13	CP	TKN13 CP	26	529	198	28	30	139
15	PE	TKN15 PE	40	555	230	5	17	154
15	PR	TKN15 PR	46.5	535	230	9	143	154
15	PR-R	TKN15 PR-R	55	570	230	11	155	154
15	PE-C	TKN15 PE-C	40	490	230	6	39	154
15	RM-R	TKN15 RM-R	60	530	230	68	127	154
15	RM-RR	TKN15 RM-RR	76	560	230	82	113	154
15	CP	TKN15 CP	35.4	575	230	8	38	154
17	PE	TKN17 PE	56.5	605	287	27	30	171
17	PE-C	TKN17 PE-C	58	533	283	7	39	171
17	PR	TKN17 PR	74	600	237	17	144	171
17	PR-R	TKN17 PR-R						
17	RM-R	TKN17 RM-R	75	529	285	54	178	171
17	RM-RR	TKN17 RM-RR	97.5	570	285	85	157	171
19	PE-C	TKN19 PE-C	80.4	600	328	6	52	197
19	PE	TKN19 PE						
19	PR	TKN19 PR	93	635	328	8	160	197
19	PR-R	TKN19 PR-R	99	645	328	30	150	197
19	RM-RR	TKN19 RM-RR	113	600	328	83	138	197
19	RM-R	TKN19 RM-R	95	560	328	74	161	197

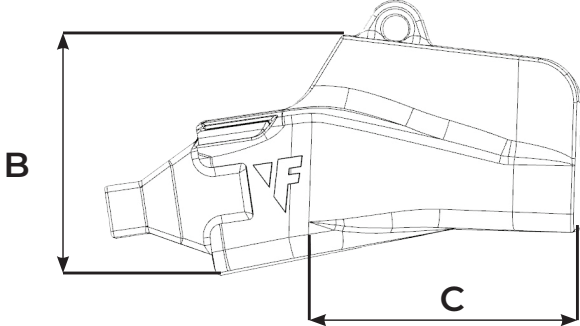
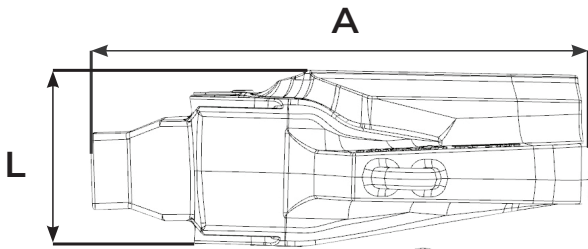
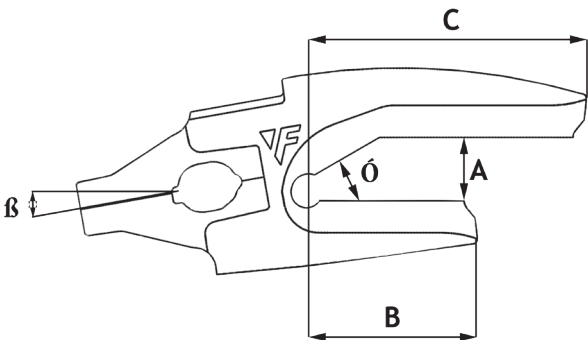
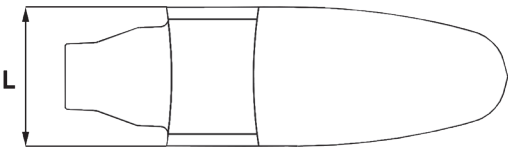
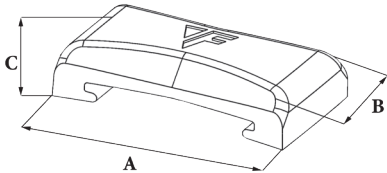
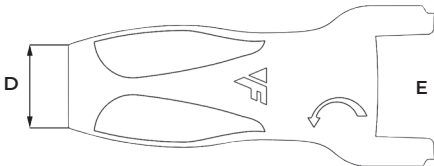
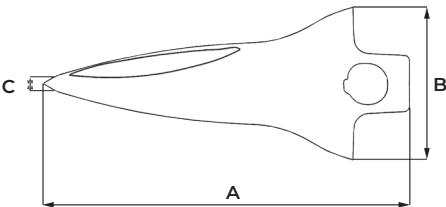
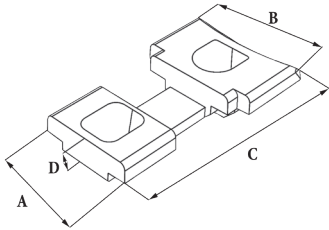
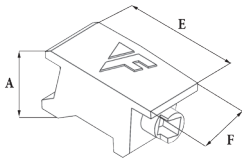
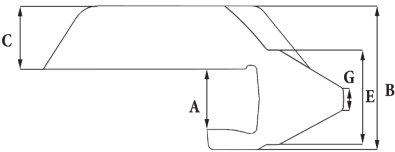
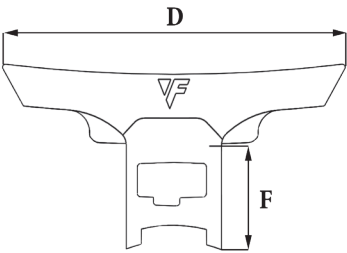
Blade Shrouds Dimensions

DÉSIGNATION	POIDS [kg]	Ep. Lame [mm]	DIMENSIONS [mm]						
L	A	B	C	D	E	β°			
TKSH EXC 240 60 C	30.5	60	240	275	156	64	66	30	30°
TKSH EXC 240 60 R	30.5	60	240	275	156	64	66	30	30°
TKSH EXC 240 60 L	30	60	240	275	153	68	66	30	30°
TKSH EXC 245 70 C	35.33	70	245	300	162	74	72	32	30°
TKSH EXC 250 70 R	35.83	70	245	300	162	74	72	32	30°
TKSH EXC 250 70 L	35.33	70	245	300	162	74	72	32	30°
TKSH EXC 280 70 C	38.25	70	280	300	164	74	73	33	30°
TKSH EXC 280 70 R	37.87	70	280	300	164	73	73	33	30°
TKSH EXC 280 70 L	38	70	280	300	164	73	73	33	30°
TKSH EXC 320 70 C	41.83	70	320	300	163	73	73	33	30°
TKSH EXC 320 70 R	42.16	70	320	300	163	73	73	33	30°
TKSH EXC 320 70 L	42.16	70	320	300	163	73	73	33	30°
TKSH LOAD 370 70 C	81	70	370	375	200	158	73	69	30°
TKSH LOAD 370 70 R	81.75	70	370	380	205	170	73	71	30°
TKSH LOAD 370 70 L	82.25	70	370	380	205	170	73	71	30°
TKSH EXC 245 90 C	49.66	90	245	358	200	106	93	47	30°
TKSH EXC 245 90 R	50.66	90	245	365	200	116	93	47	30°
TKSH EXC 245 90 L	50.16	90	245	365	200	116	93	45	30°
TKSH EXC 280 90 C	54.5	90	280	350	200	105	93	44	30°
TKSH EXC 280 90 R	56.25	90	280	360	200	110	93	47	30°
TKSH EXC 280 90 L	55	90	280	360	200	110	93	47	30°
TKSH EXC 320 90 C	60	90	320	350	202	205	93	47	30°
TKSH EXC 320 90 R	61.75	90	320	350	200	110	93	48	30°
TKSH EXC 320 90 L	61.25	90	320	360	202	113	93	47	30°
TKSH EXC 360 90 C	65.75	90	360	360	200	110	93	48	30°
TKSH EXC 360 90 R	67.50	90	360	355	200	114	93	48	30°
TKSH EXC 360 90 L	66.25	90	360	355	200	114	93	48	30°
TKSH LOAD 370 90 C	106	90	370	420	225	170	93	77	30°
TKSH LOAD 370 90 R	109	90	370	420	225	170	93	78	30°
TKSH LOAD 370 90 L	109	90	370	420	225	170	93	78	30°
TKSH EXC 345 100 C	109	100	345	400	236	137	103	56	30°
TKSH EXC 345 100 R	111	100	345	410	236	134	103	56	30°
TKSH EXC 345 100 L	111	100	345	403	236	134	103	56	30°
TKSH EXC 380 120 C	122	120	380	425	257	150	124	55	30°
TKSH EXC 380 120 R	122	120	380	430	257	144	124	55	30°
TKSH EXC 380 120 L	122	120	380	430	257	144	124	55	30°
TKSH EXC 420 140 C	148	140	420	425	282	150	146	53	30°
TKSH EXC 420 140 R	146	140	420	437	286	152	146	55	30°
TKSH EXC 420 140 L	146	140	420	437	286	152	146	55	30°



Wing Shrouds Dimensions

DÉSIGNATION	POIDS [kg]	ÉPAISSEUR DE FLANC [mm]	DIMENSIONS [mm]							APPLICATIONS
A	B	C	D	E	F	G				
TKWH 30	21	30	36	116	58	570	68	213	10	E / C
TKWH 50	24.3	55	57.6	132	58	590	82	213	17	E / C
TKWH 70	52.5	70	77	178	90	545	140	350	19	E / C
TKWH 90	81.04	90	95	210	80	610	-	315	45	E / C
TKSH 60-90 AD	2.05	-	87	110	207	36.3	-	-	-	E / C
TKSH 60-90 CL	1.4	-	56.3	-	-	-	109	51	-	E / C
TKSH 100-140 AD	5.26	-	116	147	285	44	-	-	-	E / C
TKSH 100-140 CL	3.47	-	75	-	-	-	164	66	-	E / C





TURNKEY®
RHINO

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configurator*



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