





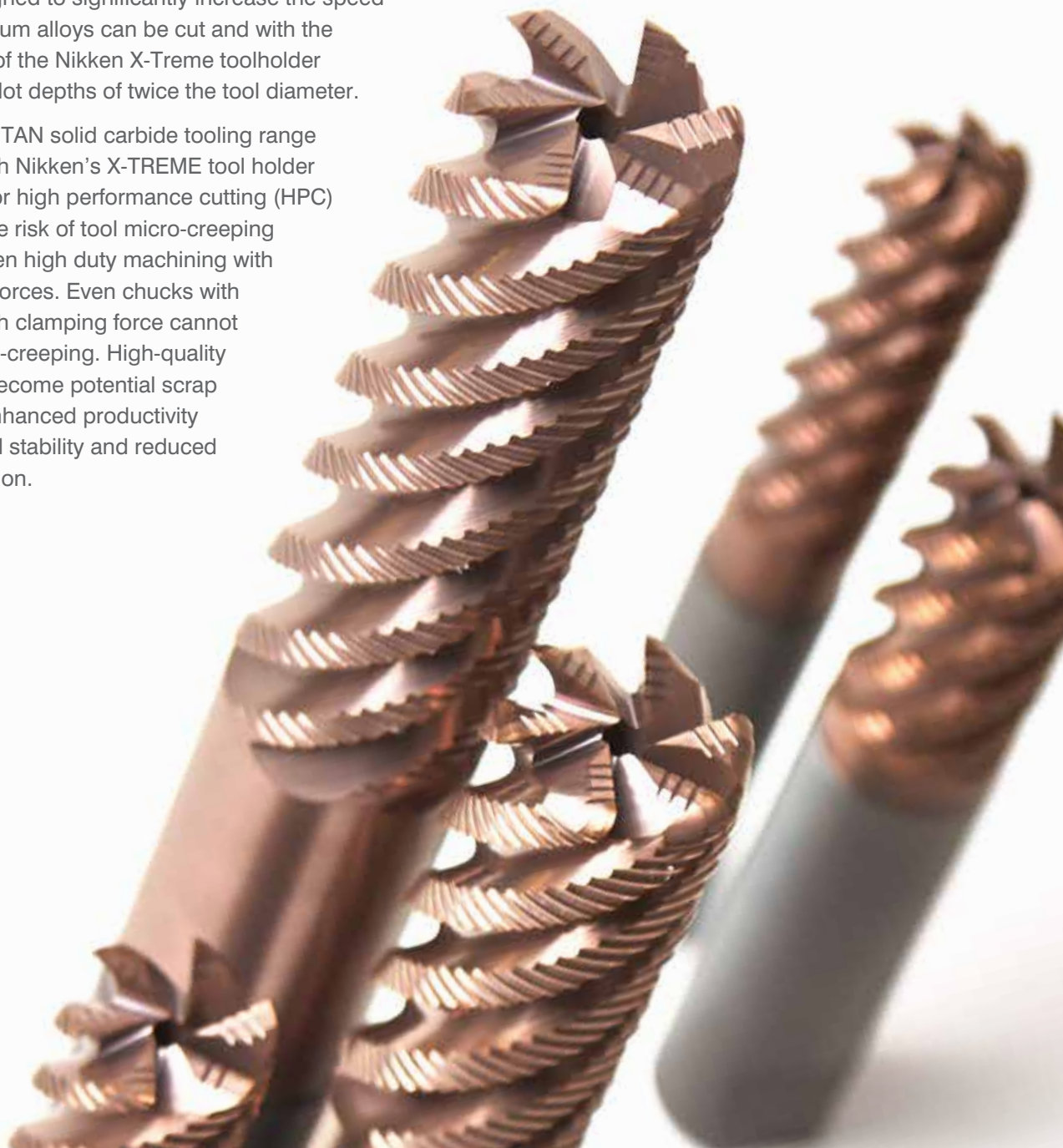
Unrivalled

Titanium Roughing

Optimised carbide cutting technology combines with toolholder to revolutionise aerospace titanium rough milling with added security.

Technicut and toolholding specialist Nikken Kosakusho have worked in partnership to achieve record-breaking rates of metal removal. Technicut's TiTAN Ripper carbide cutter is designed to significantly increase the speed at which titanium alloys can be cut and with the combination of the Nikken X-Treme toolholder allows us to slot depths of twice the tool diameter.

Technicut's TiTAN solid carbide tooling range combined with Nikken's X-TREME tool holder is designed for high performance cutting (HPC) eliminating the risk of tool micro-creeping occurring when high duty machining with high pull out forces. Even chucks with extremely high clamping force cannot prevent micro-creeping. High-quality workpieces become potential scrap as a result. enhanced productivity with improved stability and reduced tool degradation.





TITAN[®] X-TREME RIPPA

Features & Benefits

- Serrated technology for roughing applications
- 2x diameter slotting
- 7 degree ramping capability
- Extended tool life due to utilisation of the full flute length
- Variable geometry for ultra stable cutting
- Full slotting, profile & shoulder milling
- Highly heat resistant with TX coating
- RE-LIFE™ Solution

Range

- Solid Carbide
- Diameters 12mm to 42mm
- TX coated
- Internal Coolant

Corner Radius

helps protect cutting ends against chipping

Advanced TX coated

for improved heat protection and longer tool life.

Neck Relief

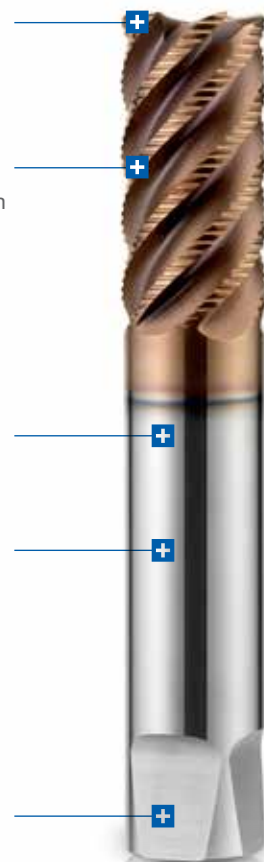
improves stability by maximising flute length, maximising reach

Tough Carbide Grade

with high transverse rupture strength (TRS) for durability in hard-to-machine metals

X-TREME Shank

- High performance & heavy duty cutting
- Highly accurate clamping technology
- No loss of accuracy
- 'Zero' tool pull out & tool slippage
- No damages to workpiece or machine



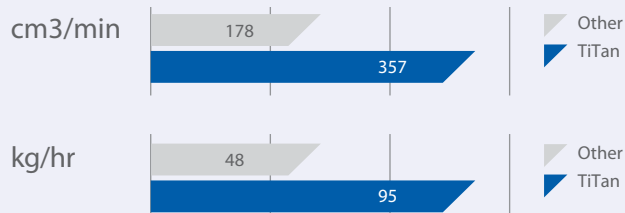
Performance by numbers

The TiTAN rippers advances in carbide grades, cutting geometries and coatings can make a significant difference in your productivity. All other variables being equal, Technicut's TiTAN ripper can remove double the metal removal rate than our competitors.

Metal Removal Rate (MRR)

Titanium Full Slotting

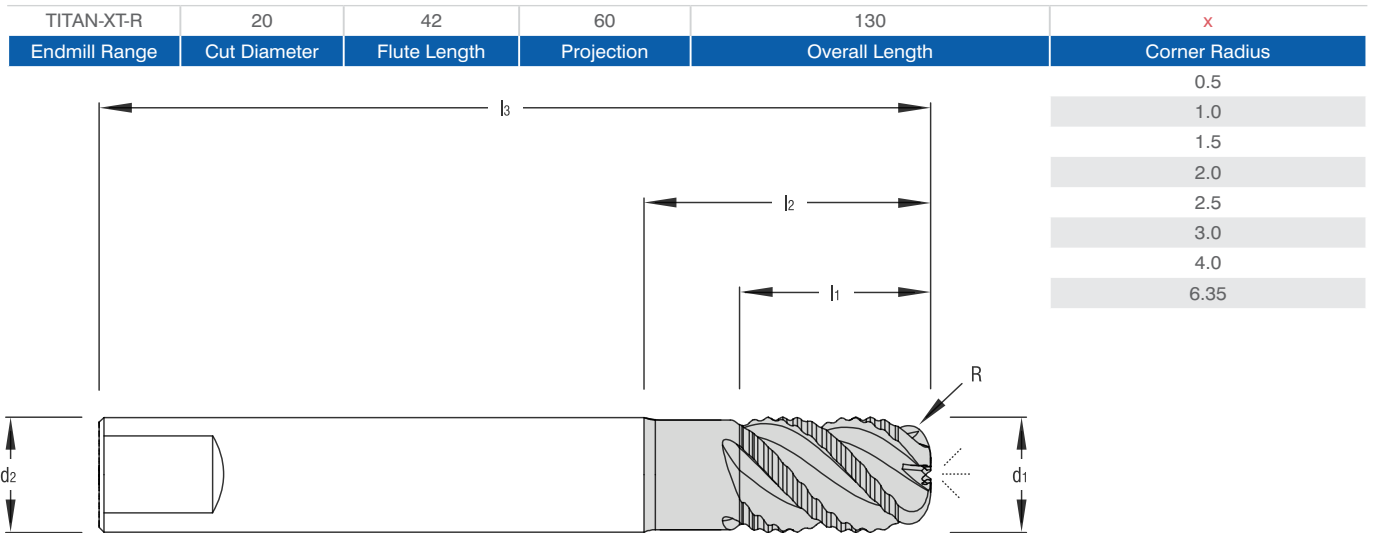
	Material	Ap	Ae
TiTan	Ti6-4	50mm	25mm
Other	Ti6-4	25mm	25mm



Ripper Endmill

for Titanium Roughing

Identification



Cutter Dia d1 (mm)	Shank Dia d2 (mm)	Length of Cut l1 (mm)	Projection l2 (mm)	Overall Length l3 (mm)	Flutes	Coating	Shank Type	Chuck	Series	Corner Radius R (mm)	ID Number
12	12	20	24	81	4	TX	X-TREME	C12EX	Short	X	TITAN-XT-R-12-20-24-81-X
12	12	26	36	93	4	TX	X-TREME	C12EX	Standard	X	TITAN-XT-R-12-26-36-93-X
12	12	38	48	105	4	TX	X-TREME	C12EX	Long	X	TITAN-XT-R-12-38-48-105-X
12	12	38	60	117	4	TX	X-TREME	C12EX	Extra Long	X	TITAN-XT-R-12-38-60-117-X
16	16	26	32	95	5	TX	X-TREME	C16EX	Short	X	TITAN-XT-R-16-26-32-95-X
16	16	34	48	111	5	TX	X-TREME	C16EX	Standard	X	TITAN-XT-R-16-34-48-111-X
16	16	50	64	127	5	TX	X-TREME	C16EX	Long	X	TITAN-XT-R-16-50-64-127-X
16	16	50	80	143	5	TX	X-TREME	C16EX	Extra Long	X	TITAN-XT-R-16-50-80-143-X
20	20	32	40	110	5	TX	X-TREME	C20EX	Short	X	TITAN-XT-R-20-32-40-110-X
20	20	42	60	130	5	TX	X-TREME	C20EX	Standard	X	TITAN-XT-R-20-42-60-130-X
20	20	62	80	150	5	TX	X-TREME	C20EX	Long	X	TITAN-XT-R-20-62-80-150-X
20	20	62	100	170	5	TX	X-TREME	C20EX	Extra Long	X	TITAN-XT-R-20-62-100-170-X
25	25	40	50	126	6	TX	X-TREME	C25EX	Short	X	TITAN-XT-R-25-40-50-126-X
25	25	52	75	151	6	TX	X-TREME	C25EX	Standard	X	TITAN-XT-R-25-52-75-151-X
25	25	77	100	176	6	TX	X-TREME	C25EX	Long	X	TITAN-XT-R-25-77-100-176-X
25	25	77	125	201	6	TX	X-TREME	C25EX	Extra Long	X	TITAN-XT-R-25-77-125-201-X
32	32	50	64	147	6	TX	X-TREME	C32EX	Short	X	TITAN-XT-R-32-50-64-147-X
32	32	66	96	179	6	TX	X-TREME	C32EX	Standard	X	TITAN-XT-R-32-66-96-179-X
32	32	98	128	211	6	TX	X-TREME	C32EX	Long	X	TITAN-XT-R-32-98-128-211-X
32	32	98	160	243	6	TX	X-TREME	C32EX	Extra Long	X	TITAN-XT-R-32-98-160-243-X
42	42	40	55	140	8	TX	X-TREME	C42EX	Short	X	TITAN-XT-R-42-40-55-140-X
42	42	50	85	170	8	TX	X-TREME	C42EX	Standard	X	TITAN-XT-R-42-50-85-170-X
42	42	100	115	200	8	TX	X-TREME	C42EX	Long	X	TITAN-XT-R-42-100-115-200-X

Optimed tooling tailored to your requirements

If you do not find what you require in our range, contact your nearest Technicut sales representative or contact us through the website.



TITAN[®] X-TREME RIPPA

Peace of mind
machining and
ultimate workpiece
security for titanium
roughing.

Technicut and toolholding
specialist Nikken Kosakusho
have worked in partnership to
achieve record-breaking rates
of metal removal while ensuring
workpiece security.



TITAN X-TREME Finisher
Also available is Technicut's
TITAN finisher for improved
side wall straightness and
accuracy with an unmatched
quality of finish for titanium.



NIKKEN

Nikken Kosakusho's X-TREME holder
features a patented 'Sure-Lock' quad
clamp system to provide positive locking
& restraint of the tool shank even under
the most extreme of cutting conditions
when direct chucking.



Optimised Geometry
Patent pending geometry
for titanium roughing.



609-617 Attercliffe Road
Sheffield
S9 3RD
United Kingdom

T +44 (0) 114 256 0036
F +44 (0) 114 256 0078

www.technicut.ltd.uk

