

TITANIUM ALLOY
MILLING

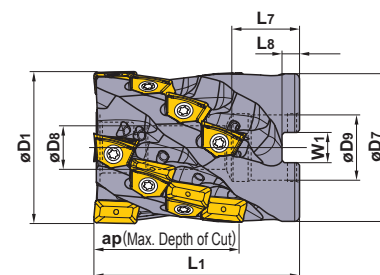
Roughing



VFX6



- High performance titanium alloy milling.
- Vertical inserts with high strength cutting edge.
- Screw-on type.



Right hand tool holder only.

SHELL TYPE

Order Number	Stock	Number of Flutes	Total	Dimensions (mm)									Mass (kg)
	R			D1	L1	D9	L7	D8	D7	W1	L8	ap	
VFX6-063A04A031R	●	4	8	63	60	27	28	12.5	61	12.4	7	31	0.9
-063A04A060R	●	4	16	63	85	27	28	12.5	61	12.4	7	60	1.3
-080A05A031R	●	5	10	80	60	32	28	16.5	77.3	14.4	8	31	1.5
-080A05A075R	●	5	25	80	100	32	28	16.5	77.3	14.4	8	75	2.6
-100A06A031R	●	6	12	100	65	40	30	20.5	96.6	16.4	9	31	2.7
-100A06A090R	●	6	36	100	115	40	30	20.5	96.6	16.4	9	90	4.8

SPARE PARTS

Order Number	 *2				 *3				Number of Insert	
	Clamp Screw	Number	Seal Washer	Wrench	Coolant Nozzle	Number	Anti-seize Lubricant	Set Bolt	End cutting edge	Peripheral cutting edge
										
VFX6-063A04A031R	TS450	8	W12-S1	TKY20T	HSD04004H08	12	MK1KS	HSC12045	4	4
-063A04A060R	TS450	16	W12-S1	TKY20T	HSD04004H08	20	MK1KS	HSC12070	4	12
-080A05A031R	TS450	10	W16-S1	TKY20T	HSD04004H08	15	MK1KS	HSC16040	5	5
-080A05A075R	TS450	25	W16-S1	TKY20T	HSD04004H08	30	MK1KS	HSC16080	5	20
-100A06A031R	TS450	12	W20-S1	TKY20T	HSD04004H08	18	MK1KS	HSC20040	6	6
-100A06A090R	TS450	36	W20-S1	TKY20T	HSD04004H08	42	MK1KS	HSC20090	6	30

★1 Only corner radius R1.2 can be used for the peripheral cutting edges except the end cutting edge.

★2 Clamp Torque (N • m) : TS450=5.0

★3 Coolant nozzles are available with varying diameters for adjusting coolant pressure. Select nozzles as required by the specification.

	≤1Mpa (≤20 l/min.)	←Standard→	≥5Mpa (≥30 l/min.)	≥7Mpa (≥50 l/min.)
Nozzle Dia.	ø0.6mm	ø0.8mm	ø1.2mm	ø1.6mm
Order Number	HSD04004H06	HSD04004H08	HSD04004H12	HSD04004H16

★ Clamp Torque (N • m) : HSD04004H○○=1.5

★4 The part number for a blank screw without a through nozzle is HSS04004.

★5 Note for insert with a corner radius of 3.2 and above, as corner radius increases the L1 dimension increases.

Corner radius 3.2: L1+0.7mm Corner radius 4.0: L1+1.5mm Corner radius 5.0: L1+1.5mm