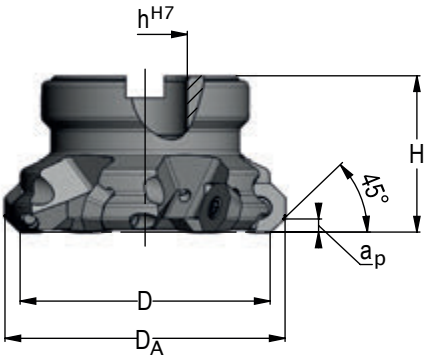
Rediscover **heavy duty machining** with our....

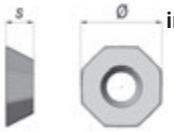
Face milling cutter **OE45**

< optimal chip removal through improved cutting edge geometry
< especially qualified to machine difficult materials
< all diameters with internal coolant



Face milling cutter OE45

article	D	D_A	H	d^{H7}	z_{eff}	a_p	wedge	ic	Kg	insert
03O.6340.400	63	73,2	40	22	5	4,5	no	yes	0,55	OE.1606..
03O.8050.400	80	90,0	50	27	6	4,5	no	yes	1,08	OE.1606..
03O.1050.400	100	110,1	50	32	8	4,5	no	yes	1,78	OE.1606..
03O.1263.400	125	135,1	63	40	10	4,5	no	yes	3,41	OE.1606..



insert	incircle diameter	insert thickness
	ø 16 = 16,50	S 06 = 6,00

allocation from machining parameters of AV material group*

					cast iron			steel					
	article	AS	grade		D20	D18	D17	A22	A20	A18	A16	B15	B14
OE.1606..	OE.1606.002.02 SN25	8	SKY77	h_{max}	0,6	0,5	0,4	0,6	0,5	0,45	0,4	0,35	0,35
				v_c	180-240	180-220	100-200	220-250	180-230	180-230	160-210	160-200	160-200
			AV1077	h_{max}				0,6	0,5	0,45	0,4	0,35	0,35
				v_c				220-250	180-230	180-230	160-210	160-200	160-200
	OE.1606.031.01 SN23		SKY77	h_{max}	0,5	0,45	0,35	0,65	0,55	0,5	0,45	0,4	0,35
				v_c	180-240	180-220	100-200	220-250	180-230	180-230	160-210	160-200	160-200
			AV1077	h_{max}				0,65	0,55	0,5	0,45	0,4	0,35
				v_c				220-250	180-230	180-230	160-210	160-200	160-200
	OE.1606.031.03 SN28		AV1077	h_{max}				0,5	0,45	0,4	0,4	0,35	0,3
				v_c				220-250	180-230	180-230	160-210	160-200	160-200
			AV1055	h_{max}				0,5	0,45	0,4	0,4	0,35	0,3
				v_c				220-250	180-230	180-230	160-210	160-200	160-200

* machining parameters only with cooling fluid

					stainless steel			titanium
	article	AS	grade		C11	C10	C09	C08
OE.1606..	OE.1606.002.02 SN25	8	SKY77	h_{max}				
				v_c				
			AV1077	h_{max}				
				v_c				
	OE.1606.031.01 SN23		SKY77	h_{max}				
				v_c				
			AV1077	h_{max}				
				v_c				
	OE.1606.031.03 SN28		AV1077	h_{max}				
				v_c				
			AV1055	h_{max}	0,3	0,25	0,2	0,25
				v_c	100-140	80-120	60-100	50-100

* machining parameters only with cooling fluid

insert		
OE..1606..	08B.0513.7991	TX220

AVANTEC
MILLING. HIGHLY POSITIVE