

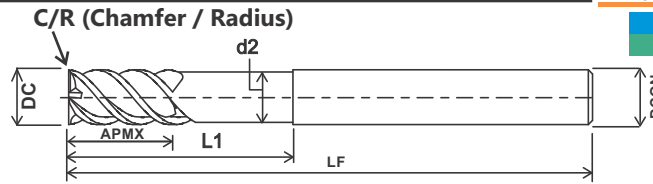
# END MILL FOR EXOTICS AND ROUGHING

## Series 452/4527 Unequal Helix for SUS, Ti & Ni



Super Tough Mills, Metric Sizes

Tolerance for cutter Diameter  
All sizes h10



EDP Number	Mill Dia.	OAL	Length of Cut	Neck Dia.	Neck Length	Shank Dia.
	DC	LF	APMX	d2	L1	DCON
452-039411	1xc0.1	57	2.5	3.7	21	6
452-078711	2xc0.1	57	6	4.7	21	6
452-118111	3xc0.1	57	8	5.7	21	6
452-157511	4xc0.1	57	11	3.7	21	6
452-196911	5xc0.1	57	13	4.7	21	6
452-236211	6xc0.2	57	13	5.7	21	6
452-315011	8xc0.2	63	19	7.7	27	8
452-393711	10xc0.3	72	22	9.5	32	10

EDP Number	Mill Dia.	OAL	Length of Cut	Neck Dia.	Neck Length	Shank Dia.
	DC	LF	APMX	d2	L1	DCON
452-472411	12xc0.3	83	26	11.5	38	12
452-551211	14xc0.3	83	26	13.5	42	14
452-629911	16xc0.4	92	32	15.5	44	16
452-787411	20xc0.5	104	38	19.5	54	20
452-984311	25xc0.5	121	50	24.5	60	25

EDP Number	Mill Dia.	OAL	Length of Cut	Neck Dia.	Neck Length	Shank Dia.
	DC	LF	APMX	d2	L1	DCON
4527030501	3xR0.5	57	8	5.7	21	6
4527040501	4xR0.5	57	11	3.7	21	6
4527050501	5xR0.5	57	13	4.7	21	6
4527051001	5xR1.0	57	13	4.7	21	6
4527060501	6xR0.5	57	13	5.7	21	6
4527061001	6xR1.0	57	13	5.7	21	6
4527080501	8xR0.5	63	19	7.7	27	8
4527081001	8xR1.0	63	19	7.7	27	8

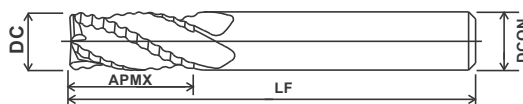
EDP Number	Mill Dia.	OAL	Length of Cut	Neck Dia.	Neck Length	Shank Dia.
	DC	LF	APMX	d2	L1	DCON
4527100501	10xR0.5	72	22	9.5	32	10
4527101001	10xR1.0	72	22	9.5	32	10
4527120501	12xR0.5	83	26	11.5	38	12
4527121001	12xR1.0	83	26	11.5	38	12
4527140501	14xR0.5	83	26	13.5	42	14
4527141001	14xR1.0	83	26	13.5	42	14
4527160501	16xR0.5	92	32	15.5	44	16
4527161001	16xR1.0	92	32	15.5	44	16

## Series 483 Roughing



Roughing Mills, Metric Sizes

Tolerance for cutter Diameter  
All sizes h10



EDP Number	Mill Diameter	OAL	Length of Cut	Shank Diameter	No. of Flutes
	DC	LF	APMX	DCON	
483-118111	3	57	7	6	3
483-157511	4	57	14	6	3
483-196811	5	57	14	6	3
483-236211	6	64	19	6	4
483-315011	8	64	21	8	4

EDP Number	Mill Diameter	OAL	Length of Cut	Shank Diameter	No. of Flutes
	DC	LF	APMX	DCON	
483-393711	10	70	22	10	4
483-472411	12	76	25	12	4
483-551211	14	89	30	14	4
483-629911	16	89	32	16	5
483-787411	20	102	38	20	6
483-984311	25	102	38	25	6

Work Material																
Serial No.	Aluminum		Cast Iron	Low Carbon Steel	Med. Carbon Steel	High Carbon Steel	Alloy Steel	Die Steels	Titanium	High Nickel Alloy	Stainless Steels			Die Steels		
	6061, 7075	Castings		1010, 1018	1035, 1045	1065	4140, 4340	20 Hrc	6AL4V (30Hrc)	20 Hrc	300	400	17-4PH	-35 Hrc	35-45 Hrc	45-50 Hrc
452			⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
483			⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	