

Thread Mills - For Aluminum Alloy

Full Thread



Applicable table of machinable materials

P		H				M	K	N		S	
Carbon steel	Alloy steel	Prehardened steel, Hardened steel				Stainless steel	Cast iron, Ductile cast iron ~350HB	Copper alloy	Aluminum alloy	Titanium alloy	Heat-resistant alloy
Pre hardened steel	Tool steel										
~40HRC		~45HRC	~55HRC	~60HRC	~65HRC	~35HRC					
○		○	○			○		●	●	○	○

● Highly Suitable ○ Suitable

Product specifications

Unit: mm

Item Code	Specification * Pitch P	Shank Diameter D	Cutter Diameter d1	Effective Length L1	Number of Flutes	Overall Length L	Number of Threads	Threaded Hole
THRC/AL-001	M3.0*0.5	4	2.4	6	3	50	12	2.5
THRC/AL-002	M4.0*0.7	4	3.15	8	3	50	12	3.3
THRC/AL-003	M4.5*0.75	4	3.6	9	3	50	12	3.8
THRC/AL-004	M5.0*0.8	4	3.9	10	3	50	13	4.2
THRC/AL-005	M6.0*1.0	6	4.8	12	3	50	12	5
THRC/AL-006	M8.0*1.25	8	6.5	16.25	4	60	13	6.8
THRC/AL-007	M10*1.5	10	8.2	21	4	75	14	8.5
THRC/AL-008	M12*1.75	10	9.9	24.5	4	75	14	10.2
THRC/AL-009	M14*2.0	12	11.6	28	4	75	14	12
THRC/AL-010	M16*2.0	14	13.6	32	4	80	16	14
THRC/AL-011	M18*2.5	16	14.8	36	4	100	14	15.5
THRC/AL-012	M20*2.5	18	17.1	40	4	100	16	17.5
THRC/AL-013	M24*3.0	20	19.9	50	4	100	16	21
THRC/AL-014	M6.0*1.0	4	3.9	12	3	50	12	5

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d1 (Cutter Diameter)	Tolerance
$\Phi < 3$	0 ~ -0.01
$3 \leq \Phi \leq 10$	0 ~ -0.01
$\Phi > 10$	0 ~ -0.015

Product specifications

Unit: mm

Item Code	Specification * Pitch P	Shank Diameter D	Cutter Diameter d1	Effective Length L1	Number of Flutes	Overall Length L	Number of Threads	Threaded Hole
THRC/AL-015	M8.0*1.25	6	5.8	16.25	3	60	13	6.8
THRC/AL-016	M10*1.5	8	7.7	21	3	60	14	8.5
THRC/AL-017	M12*1.75	10	8.7	24.5	4	75	14	10.2
THRC/AL-018	M14*2.0	10	9.9	28	4	75	14	12
THRC/AL-019	M16*2.0	12	11.9	32	4	83	16	14
THRC/AL-020	M18*2.5	12	11.9	36	4	83	14	15.5
THRC/AL-021	M20*2.5	16	15.9	40	4	92	16	17.5
THRC/AL-022	M24*3.0	16	15.9	50	4	92	16	21
THRC/AL-023	M4.0*0.5	4	3	8	3	50	16	3.5
THRC/AL-024	M5.0*0.5	4	3.9	10	3	50	20	4.5
THRC/AL-025	M6.0*0.75	4	3.9	12	3	50	16	5.3
THRC/AL-026	M8.0*1.0	6	5.9	16	3	60	16	7
THRC/AL-027	M10*1.0	8	7.9	20	3	60	20	9
THRC/AL-028	M12*1.0	10	9.9	24	4	75	24	11
THRC/AL-029	M10*1.25	8	7.7	20	3	60	16	8.8
THRC/AL-030	M12*1.5	10	9.4	24	4	75	16	10.5
THRC/AL-031	M14*1.5	12	11.2	28.5	4	83	19	12.5
THRC/AL-032	M16*1.5	12	11.9	33	4	83	22	14.5
THRC/AL-033	M20*2.0	12	11.9	32	4	83	16	18