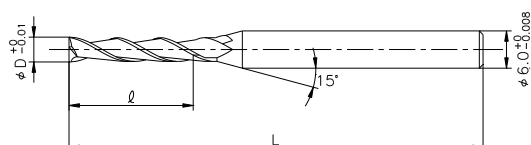


KSE-2

超硬ソリッド2枚刃エンドミル Tungsten Carbide Miniature Endmill

- 刃径をφ3~φ6まで0.01とびにラインナップ
Line-upped φ3~φ6 at pitch 0.01



被削材 Workpiece					
一般構造鋼 General Structural Steel	炭素鋼 Carbon Steel	合金鋼・工具鋼 Alloy Steel Tool Steel	プリハードン鋼 Pre-Harden Steel	鋳鉄 Cast Iron	アルミ合金 Aluminum Alloy
○	○	○	○	○	○

- 切削条件表はP172に記載

- Cutting conditions are recommended on page 172.

単位 [寸法: mm]

Unit [size: mm]

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2300	3	10	50	6
KSE-2301	3.01	10	50	6
KSE-2302	3.02	10	50	6
KSE-2303	3.03	10	50	6
KSE-2304	3.04	10	50	6
KSE-2305	3.05	10	50	6
KSE-2306	3.06	10	50	6
KSE-2307	3.07	10	50	6
KSE-2308	3.08	10	50	6
KSE-2309	3.09	10	50	6
KSE-2310	3.1	10	50	6
KSE-2311	3.11	10	50	6
KSE-2312	3.12	10	50	6
KSE-2313	3.13	10	50	6
KSE-2314	3.14	10	50	6
KSE-2315	3.15	10	50	6
KSE-2316	3.16	10	50	6
KSE-2317	3.17	10	50	6
KSE-2318	3.18	10	50	6
KSE-2319	3.19	10	50	6
KSE-2320	3.2	10	50	6
KSE-2321	3.21	10	50	6
KSE-2322	3.22	10	50	6
KSE-2323	3.23	10	50	6
KSE-2324	3.24	10	50	6
KSE-2325	3.25	10	50	6
KSE-2326	3.26	10	50	6
KSE-2327	3.27	10	50	6
KSE-2328	3.28	10	50	6
KSE-2329	3.29	10	50	6

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2330	3.3	10	50	6
KSE-2331	3.31	10	50	6
KSE-2332	3.32	10	50	6
KSE-2333	3.33	10	50	6
KSE-2334	3.34	10	50	6
KSE-2335	3.35	10	50	6
KSE-2336	3.36	10	50	6
KSE-2337	3.37	10	50	6
KSE-2338	3.38	10	50	6
KSE-2339	3.39	10	50	6
KSE-2340	3.4	10	50	6
KSE-2341	3.41	10	50	6
KSE-2342	3.42	10	50	6
KSE-2343	3.43	10	50	6
KSE-2344	3.44	10	50	6
KSE-2345	3.45	10	50	6
KSE-2346	3.46	10	50	6
KSE-2347	3.47	10	50	6
KSE-2348	3.48	10	50	6
KSE-2349	3.49	10	50	6
KSE-2350	3.5	10	50	6
KSE-2351	3.51	10	50	6
KSE-2352	3.52	10	50	6
KSE-2353	3.53	10	50	6
KSE-2354	3.54	10	50	6
KSE-2355	3.55	10	50	6
KSE-2356	3.56	10	50	6
KSE-2357	3.57	10	50	6
KSE-2358	3.58	10	50	6
KSE-2359	3.59	10	50	6

KSE-2

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2360	3.6	10	50	6
KSE-2361	3.61	10	50	6
KSE-2362	3.62	10	50	6
KSE-2363	3.63	10	50	6
KSE-2364	3.64	10	50	6
KSE-2365	3.65	10	50	6
KSE-2366	3.66	10	50	6
KSE-2367	3.67	10	50	6
KSE-2368	3.68	10	50	6
KSE-2369	3.69	10	50	6
KSE-2370	3.7	10	50	6
KSE-2371	3.71	10	50	6
KSE-2372	3.72	10	50	6
KSE-2373	3.73	10	50	6
KSE-2374	3.74	10	50	6
KSE-2375	3.75	10	50	6
KSE-2376	3.76	10	50	6
KSE-2377	3.77	10	50	6
KSE-2378	3.78	10	50	6
KSE-2379	3.79	10	50	6
KSE-2380	3.8	10	50	6
KSE-2381	3.81	10	50	6
KSE-2382	3.82	10	50	6
KSE-2383	3.83	10	50	6
KSE-2384	3.84	10	50	6
KSE-2385	3.85	10	50	6
KSE-2386	3.86	10	50	6
KSE-2387	3.87	10	50	6
KSE-2388	3.88	10	50	6
KSE-2389	3.89	10	50	6
KSE-2390	3.9	10	50	6
KSE-2391	3.91	10	50	6
KSE-2392	3.92	10	50	6
KSE-2393	3.93	10	50	6
KSE-2394	3.94	10	50	6
KSE-2395	3.95	10	50	6
KSE-2396	3.96	10	50	6
KSE-2397	3.97	10	50	6
KSE-2398	3.98	10	50	6
KSE-2399	3.99	10	50	6
KSE-2400	4	12	50	6
KSE-2401	4.01	12	50	6
KSE-2402	4.02	12	50	6
KSE-2403	4.03	12	50	6
KSE-2404	4.04	12	50	6
KSE-2405	4.05	12	50	6
KSE-2406	4.06	12	50	6
KSE-2407	4.07	12	50	6

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2408	4.08	12	50	6
KSE-2409	4.09	12	50	6
KSE-2410	4.1	12	50	6
KSE-2411	4.11	12	50	6
KSE-2412	4.12	12	50	6
KSE-2413	4.13	12	50	6
KSE-2414	4.14	12	50	6
KSE-2415	4.15	12	50	6
KSE-2416	4.16	12	50	6
KSE-2417	4.17	12	50	6
KSE-2418	4.18	12	50	6
KSE-2419	4.19	12	50	6
KSE-2420	4.2	12	50	6
KSE-2421	4.21	12	50	6
KSE-2422	4.22	12	50	6
KSE-2423	4.23	12	50	6
KSE-2424	4.24	12	50	6
KSE-2425	4.25	12	50	6
KSE-2426	4.26	12	50	6
KSE-2427	4.27	12	50	6
KSE-2428	4.28	12	50	6
KSE-2429	4.29	12	50	6
KSE-2430	4.3	12	50	6
KSE-2431	4.31	12	50	6
KSE-2432	4.32	12	50	6
KSE-2433	4.33	12	50	6
KSE-2434	4.34	12	50	6
KSE-2435	4.35	12	50	6
KSE-2436	4.36	12	50	6
KSE-2437	4.37	12	50	6
KSE-2438	4.38	12	50	6
KSE-2439	4.39	12	50	6
KSE-2440	4.4	12	50	6
KSE-2441	4.41	12	50	6
KSE-2442	4.42	12	50	6
KSE-2443	4.43	12	50	6
KSE-2444	4.44	12	50	6
KSE-2445	4.45	12	50	6
KSE-2446	4.46	12	50	6
KSE-2447	4.47	12	50	6
KSE-2448	4.48	12	50	6
KSE-2449	4.49	12	50	6
KSE-2450	4.5	12	50	6
KSE-2451	4.51	12	50	6
KSE-2452	4.52	12	50	6
KSE-2453	4.53	12	50	6
KSE-2454	4.54	12	50	6
KSE-2455	4.55	12	50	6

KSE-2

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2456	4.56	12	50	6
KSE-2457	4.57	12	50	6
KSE-2458	4.58	12	50	6
KSE-2459	4.59	12	50	6
KSE-2460	4.6	12	50	6
KSE-2461	4.61	12	50	6
KSE-2462	4.62	12	50	6
KSE-2463	4.63	12	50	6
KSE-2464	4.64	12	50	6
KSE-2465	4.65	12	50	6
KSE-2466	4.66	12	50	6
KSE-2467	4.67	12	50	6
KSE-2468	4.68	12	50	6
KSE-2469	4.69	12	50	6
KSE-2470	4.7	12	50	6
KSE-2471	4.71	12	50	6
KSE-2472	4.72	12	50	6
KSE-2473	4.73	12	50	6
KSE-2474	4.74	12	50	6
KSE-2475	4.75	12	50	6
KSE-2476	4.76	12	50	6
KSE-2477	4.77	12	50	6
KSE-2478	4.78	12	50	6
KSE-2479	4.79	12	50	6
KSE-2480	4.8	12	50	6
KSE-2481	4.81	12	50	6
KSE-2482	4.82	12	50	6
KSE-2483	4.83	12	50	6
KSE-2484	4.84	12	50	6
KSE-2485	4.85	12	50	6
KSE-2486	4.86	12	50	6
KSE-2487	4.87	12	50	6
KSE-2488	4.88	12	50	6
KSE-2489	4.89	12	50	6
KSE-2490	4.9	12	50	6
KSE-2491	4.91	12	50	6
KSE-2492	4.92	12	50	6
KSE-2493	4.93	12	50	6
KSE-2494	4.94	12	50	6
KSE-2495	4.95	12	50	6
KSE-2496	4.96	12	50	6
KSE-2497	4.97	12	50	6
KSE-2498	4.98	12	50	6
KSE-2499	4.99	12	50	6
KSE-2500	5	15	50	6
KSE-2501	5.01	15	50	6
KSE-2502	5.02	15	50	6
KSE-2503	5.03	15	50	6

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2504	5.04	15	50	6
KSE-2505	5.05	15	50	6
KSE-2506	5.06	15	50	6
KSE-2507	5.07	15	50	6
KSE-2508	5.08	15	50	6
KSE-2509	5.09	15	50	6
KSE-2510	5.1	15	50	6
KSE-2511	5.11	15	50	6
KSE-2512	5.12	15	50	6
KSE-2513	5.13	15	50	6
KSE-2514	5.14	15	50	6
KSE-2515	5.15	15	50	6
KSE-2516	5.16	15	50	6
KSE-2517	5.17	15	50	6
KSE-2518	5.18	15	50	6
KSE-2519	5.19	15	50	6
KSE-2520	5.2	15	50	6
KSE-2521	5.21	15	50	6
KSE-2522	5.22	15	50	6
KSE-2523	5.23	15	50	6
KSE-2524	5.24	15	50	6
KSE-2525	5.25	15	50	6
KSE-2526	5.26	15	50	6
KSE-2527	5.27	15	50	6
KSE-2528	5.28	15	50	6
KSE-2529	5.29	15	50	6
KSE-2530	5.3	15	50	6
KSE-2531	5.31	15	50	6
KSE-2532	5.32	15	50	6
KSE-2533	5.33	15	50	6
KSE-2534	5.34	15	50	6
KSE-2535	5.35	15	50	6
KSE-2536	5.36	15	50	6
KSE-2537	5.37	15	50	6
KSE-2538	5.38	15	50	6
KSE-2539	5.39	15	50	6
KSE-2540	5.4	15	50	6
KSE-2541	5.41	15	50	6
KSE-2542	5.42	15	50	6
KSE-2543	5.43	15	50	6
KSE-2544	5.44	15	50	6
KSE-2545	5.45	15	50	6
KSE-2546	5.46	15	50	6
KSE-2547	5.47	15	50	6
KSE-2548	5.48	15	50	6
KSE-2549	5.49	15	50	6
KSE-2550	5.5	15	50	6
KSE-2551	5.51	15	50	6

品番 Code No.	刃径 D Flute Diameter	刃長 ℓ Flute Length	全長 L Total Length	柄径 Shank Diameter
KSE-2552	5.52	15	50	6
KSE-2553	5.53	15	50	6
KSE-2554	5.54	15	50	6
KSE-2555	5.55	15	50	6
KSE-2556	5.56	15	50	6
KSE-2557	5.57	15	50	6
KSE-2558	5.58	15	50	6
KSE-2559	5.59	15	50	6
KSE-2560	5.6	15	50	6
KSE-2561	5.61	15	50	6
KSE-2562	5.62	15	50	6
KSE-2563	5.63	15	50	6
KSE-2564	5.64	15	50	6
KSE-2565	5.65	15	50	6
KSE-2566	5.66	15	50	6
KSE-2567	5.67	15	50	6
KSE-2568	5.68	15	50	6
KSE-2569	5.69	15	50	6
KSE-2570	5.7	15	50	6
KSE-2571	5.71	15	50	6
KSE-2572	5.72	15	50	6
KSE-2573	5.73	15	50	6
KSE-2574	5.74	15	50	6
KSE-2575	5.75	15	50	6
KSE-2576	5.76	15	50	6
KSE-2577	5.77	15	50	6
KSE-2578	5.78	15	50	6
KSE-2579	5.79	15	50	6
KSE-2580	5.8	15	50	6
KSE-2581	5.81	15	50	6
KSE-2582	5.82	15	50	6
KSE-2583	5.83	15	50	6
KSE-2584	5.84	15	50	6
KSE-2585	5.85	15	50	6
KSE-2586	5.86	15	50	6
KSE-2587	5.87	15	50	6
KSE-2588	5.88	15	50	6
KSE-2589	5.89	15	50	6
KSE-2590	5.9	15	50	6
KSE-2591	5.91	15	50	6
KSE-2592	5.92	15	50	6
KSE-2593	5.93	15	50	6
KSE-2594	5.94	15	50	6
KSE-2595	5.95	15	50	6
KSE-2596	5.96	15	50	6
KSE-2597	5.97	15	50	6
KSE-2598	5.98	15	50	6
KSE-2599	5.99	15	50	6

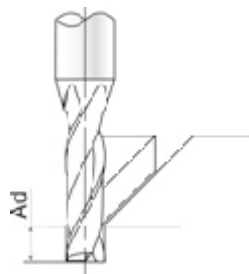
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KSE-2

切削条件参考

Referential Cutting Conditions

刃 径	切込み深さ Cutting Depth
Flute Diameter	Ad
D	0.3D



被削材 Workpiece	炭素鋼・一般構造用鋼 Carbon Steel・ General Structural Steel S55C・SS材		合金鋼・工具鋼 Alloy Steel・Tool Steel SCM・SKT・SKS・SKD		プリハードン鋼 Pre-Harden Steel HPM-1・NAK55・SKT		鋳 鉄 Cast iron FC・FCD	
刃 径 Flute Diameter mm	回転数 Revolution min ⁻¹	送り速度 Feed mm/min	回転数 Revolution min ⁻¹	送り速度 Feed mm/min	回転数 Revolution min ⁻¹	送り速度 Feed mm/min	回転数 Revolution min ⁻¹	送り速度 Feed m/min
φ3.00～φ3.50	4,200	100	3,600	80	3,000	30	4,800	150
φ3.51～φ4.00	3,200	100	2,700	80	2,200	30	3,600	150
φ4.01～φ4.50	2,800	100	2,400	80	2,000	30	3,200	150
φ4.51～φ5.00	2,500	100	2,150	80	1,750	30	2,850	160
φ5.01～φ5.50	2,250	100	1,950	80	1,600	30	2,600	160
φ5.51～φ6.00	2,100	100	1,800	80	1,500	30	2,400	180
備 考 Remarks	・回転数と送り速度は同じ割合で調整して下さい。 ・切削油を使用して下さい。							

・Adjust Revolution and Feed Speed at the same rate.
・Use Cutting Oil.