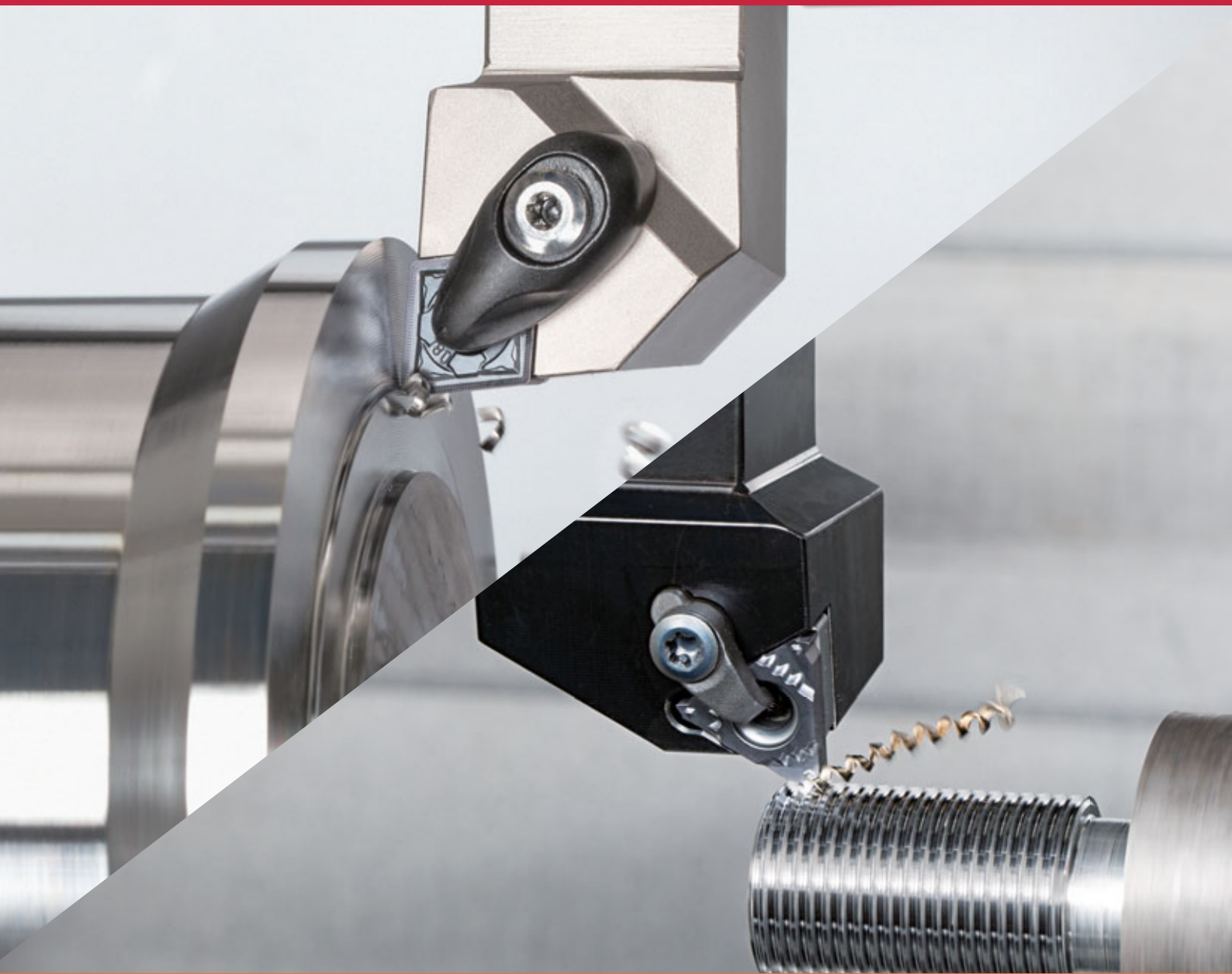


AH8000 SERIES

www.tungaloy.com

Tungaloy Report No. 437-G

Now in **threading inserts** to conquer ISO
S materials



INDUSTRY 4.0
FEED the SPEED!

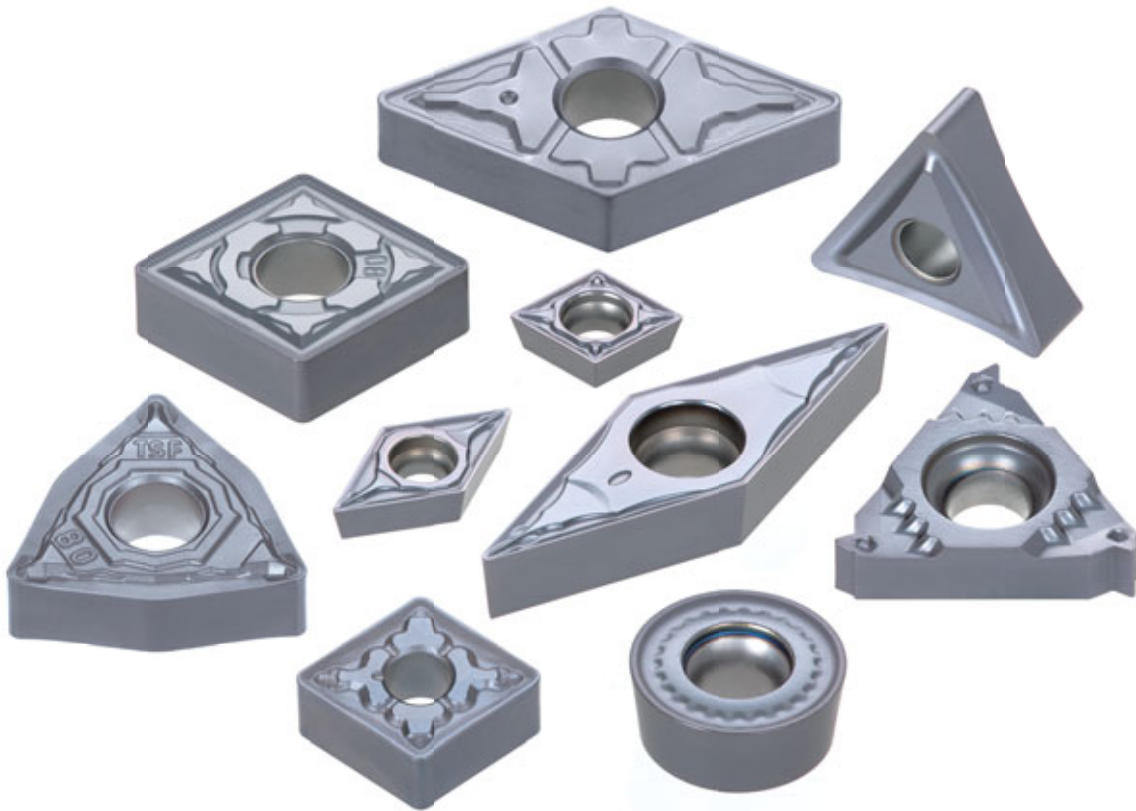


ACCELERATED MACHINING

TurnLine

AH8000 SERIES

TUNGALOY



Enabling reliable threading of difficult materials

www.tungaloy.com

Incredible reliability in turning of heat-resistant alloys

PREMIUMTEC

TUNGALOY

Special surface technology

Nano-multi-layered AlTiN coating with high Al content

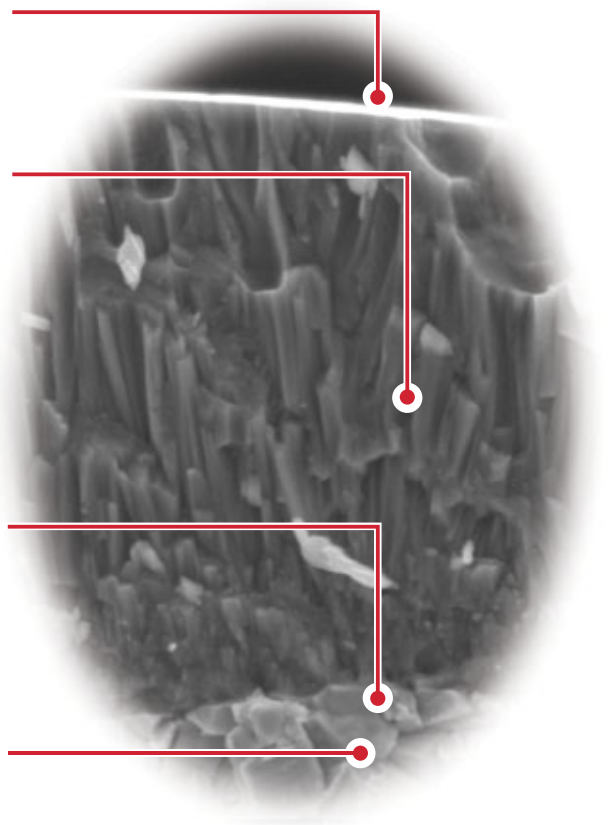
- Increases hardness by 20%
- Prevents micro cracks from developing

→ Long tool life & stable machining

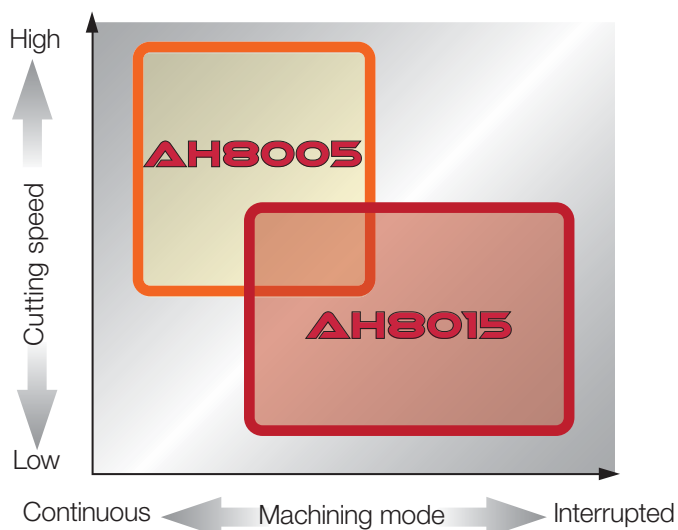
Improved adhesion strength

→ Prevents notch wear that tends to occur in machining heat-resistant alloys

Newly developed substrates



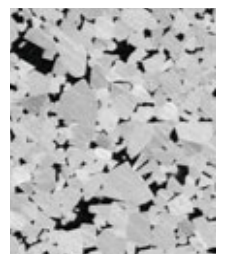
APPLICATION AREA



AH8015

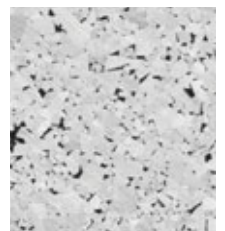
The 1st recommendation for heat-resistant alloys

Versatile grade with high wear and fracture resistance

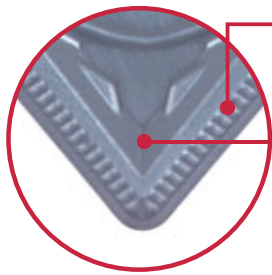


AH8005

Grade with high hardness and excellent wear resistance



CHIPBREAKERS

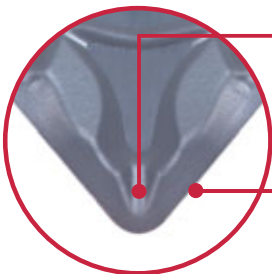
HRM For finishing to medium cutting**The 1st recommendation**

Unique protrusions on the rake face

Reduce the contact area of rake face and chips

Optimized rake face geometry and protrusion

Provide low cutting force and stable chip control

HRF For finishing

Special protrusion

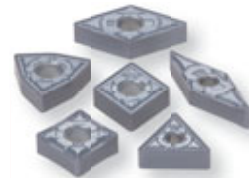
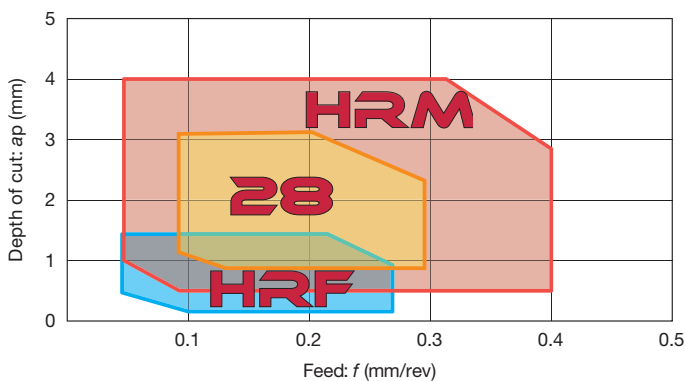
Provides excellent chip control in machining depth of cut less than the corner R

Large rake angle and inclination

Reduce cutting force

APPLICATION AREA AND CHIP CONTROL

Chipbreakers for negative inserts



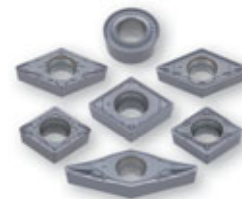
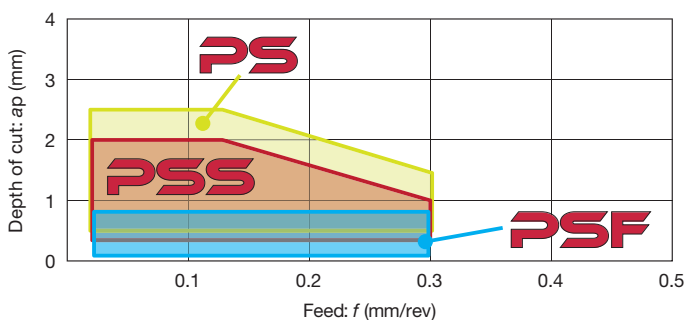
- The -HRF and -HRM styles are added as the first choice chipbreakers to the standard lineup, along with the free-cutting -28 chipbreaker to complement the negative insert range.

- Suited for medium to finish cutting range.

* For D.O.C > 4 mm, use inserts in >12.7mm I.C.

Main chipbreakers for positive inserts

(CCMT, CPMT, DCMT, VBMT, VCMT)



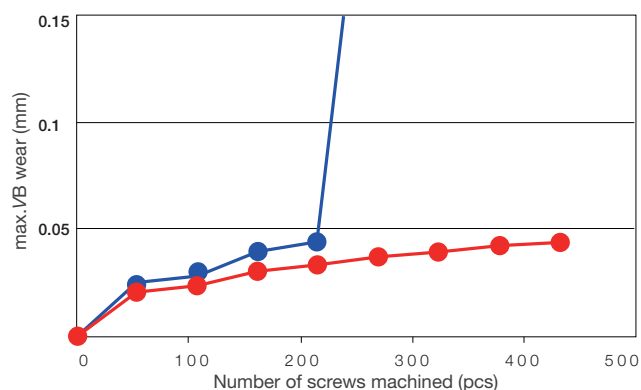
- PSF, PSS, and PS chipbreakers cover finishing to medium cutting.

- Complementary chipbreaker: All-round type

CUTTING PERFORMANCE

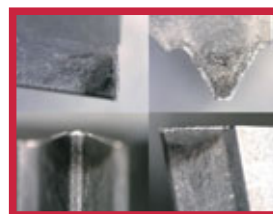
New AH8015 / Threading

M



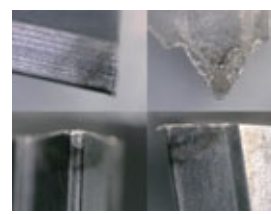
Insert : 16ER15ISO
 Workpiece material : SUS304
 Cutting speed : $V_c = 100$ m/min
 pitch : 1.5mm
 Machining : External threading
 Infeed method : Radial infeed
 Coolant : Wet

After 432 thread



AH8015

After 216 thread



Conventional

ISO	Workpiece materials	Hardness	Cutting speed V_c (m/min)				
			AH725	AH8015	T313V	NS9530	TH10
P	Carbon steel	< 200 HB	80 - 180	80 - 180	100 - 200	150 - 200	-
		> 200 HB	60 - 160	60 - 160	100 - 150	100 - 170	-
M	Stainless steel	-	50 - 130	50 - 130	70 - 130	-	-
K	Cast iron	-	-	-	70 - 150	-	70 - 90
N	Aluminium	-	-	-	-	-	100 - 500
S	Heat-resistance alloys	-	-	-	-	-	10 - 40
H	High hardened steel	50 - 60 HRC	-	-	-	-	10 - 30

CUTTING PERFORMANCE

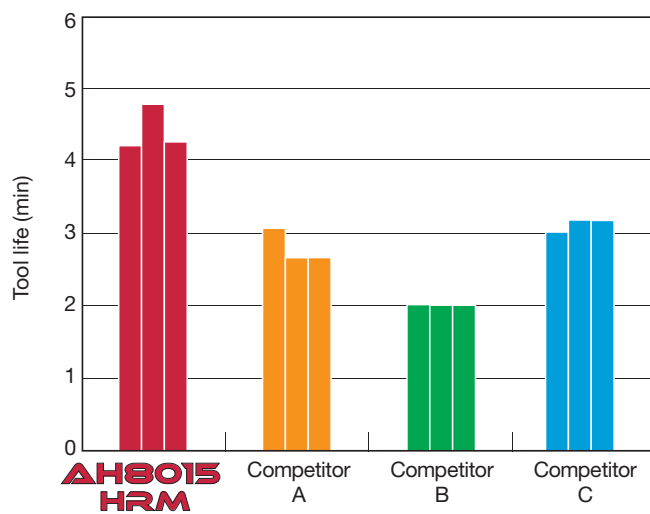
AH8015 / HRM

- General machining condition

Insert : CNMG120408-**
 Cutting speed : $V_c = 60$ m/min
 Feed : $f = 0.2$ mm/rev
 Depth of cut : $a_p = 1.0$ mm
 Machining : External turning
 Coolant : Wet

S

Inconel 718



After 4 min.

**AH8015 / HRM**

After 2 min.



Competitor B

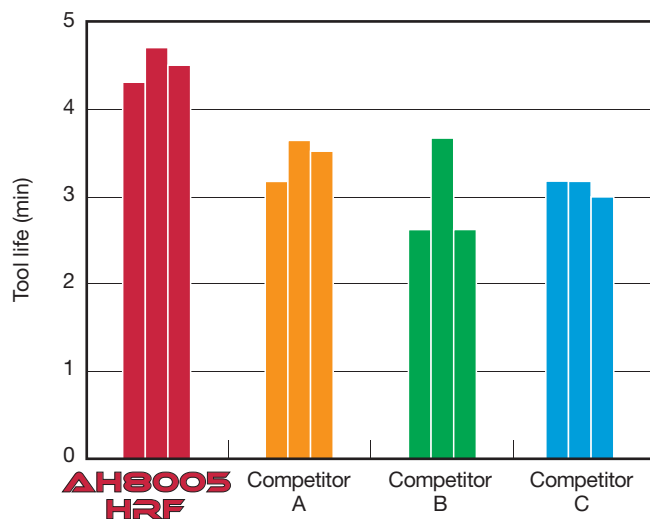
AH8005 / HRF

- High-speed cutting

Insert : CNMG120408-**
 Cutting speed : $V_c = 100$ m/min
 Feed : $f = 0.15$ mm/rev
 Depth of cut : $a_p = 0.3$ mm
 Machining : External turning
 Coolant : Wet

S

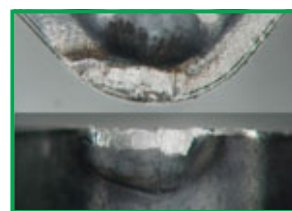
Inconel 718



After 2.7 min.

**AH8005 / HRF**

After 2.7 min.



Competitor B

GRADES

Application	Grade	Substrate			Coating layer	
	Application code	Specific gravity	Hardness (HRA)	T.R.S. (GPa)	Main composition	Thickness (μm)
	AH8005	15.0	93.0	2.2	(Al,Ti)N	3.5
	S01 - S10					
	AH8015	14.9	91.8	3.1	(Al,Ti)N	3.5
	S10 - S20					

STANDARD CUTTING CONDITIONS

Chipbreakers for negative inserts

Chipbreaker	Corner radius	Depth of cut ap (mm)	Feed f (mm/rev)	Cutting speed: Vc (m/min)	
	RE			AH8005	AH8015
HRF	0.4	0.2 - 1.5	0.05 - 0.23	40 - 100	20 - 80
	0.8	0.2 - 1.5	0.05 - 0.25	40 - 100	20 - 80
	1.2	0.2 - 1.5	0.07 - 0.27	40 - 100	20 - 80
HRM	0.4	0.5 - 4.0	0.05 - 0.30	40 - 100	20 - 80
	0.8	0.5 - 4.0	0.07 - 0.33	40 - 100	20 - 80
	1.2	0.5 - 4.0	0.10 - 0.35	40 - 100	20 - 80
	1.6	0.5 - 4.0	0.15 - 0.40	40 - 100	20 - 80
28	0.4	0.5 - 3.0	0.08 - 0.20	40 - 100	20 - 80
	0.8	0.5 - 3.0	0.10 - 0.30	40 - 100	20 - 80
	1.2	0.5 - 3.0	0.10 - 0.30	40 - 100	20 - 80

* Values for the inserts with 12.7 mm I.C. dia.

Chipbreakers for positive inserts

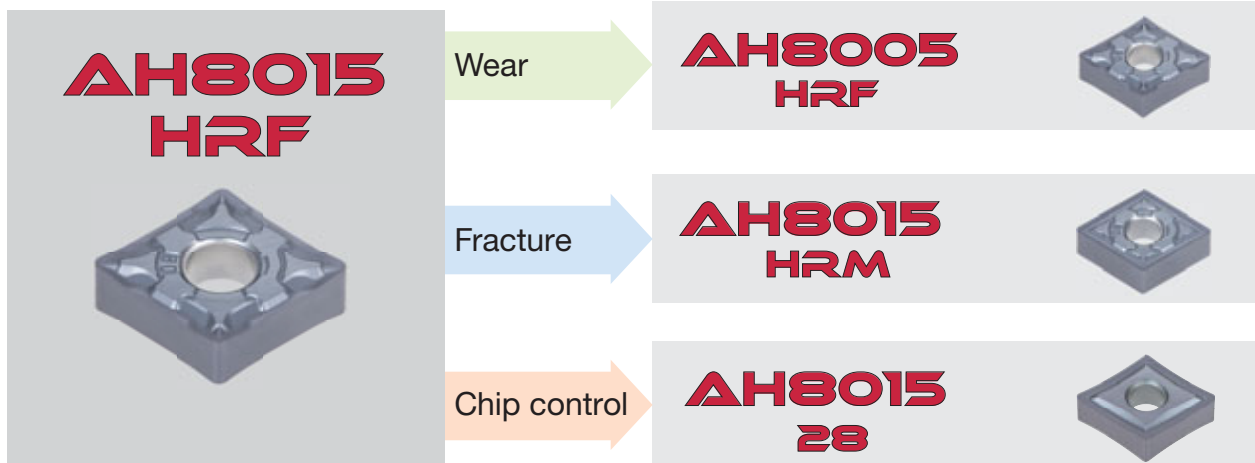
Chipbreaker	Corner radius	Depth of cut ap (mm)	Feed f (mm/rev)	Cutting speed: Vc (m/min)	
	RE			AH8005	AH8015
PSF	0.4	0.05 - 0.5	0.02 - 0.20	40 - 100	20 - 80
	0.8	0.05 - 0.5	0.02 - 0.30	40 - 100	20 - 80
PSS	0.4	0.3 - 2.0	0.02 - 0.20	40 - 100	20 - 80
	0.8	0.3 - 2.0	0.03 - 0.30	40 - 100	20 - 80
	1.2	0.3 - 2.0	0.05 - 0.30	40 - 100	20 - 80
PS	0.4	0.5 - 2.5	0.02 - 0.20	40 - 100	20 - 80
	0.8	0.5 - 2.5	0.03 - 0.30	40 - 100	20 - 80
	1.2	0.5 - 2.5	0.05 - 0.30	40 - 100	20 - 80
All-round	0.4	0.5 - 3.0	0.08 - 0.20	40 - 100	20 - 80
	0.8	0.5 - 3.0	0.08 - 0.30	40 - 100	20 - 80
	1.2	0.5 - 3.0	0.08 - 0.30	40 - 100	20 - 80
RS		0.5 - 1.5	0.03 - 0.30	40 - 100	20 - 80
61		0.5 - 2.0	0.20 - 0.60	40 - 100	20 - 80

* Values for the inserts with 9.525 mm I.C. dia.

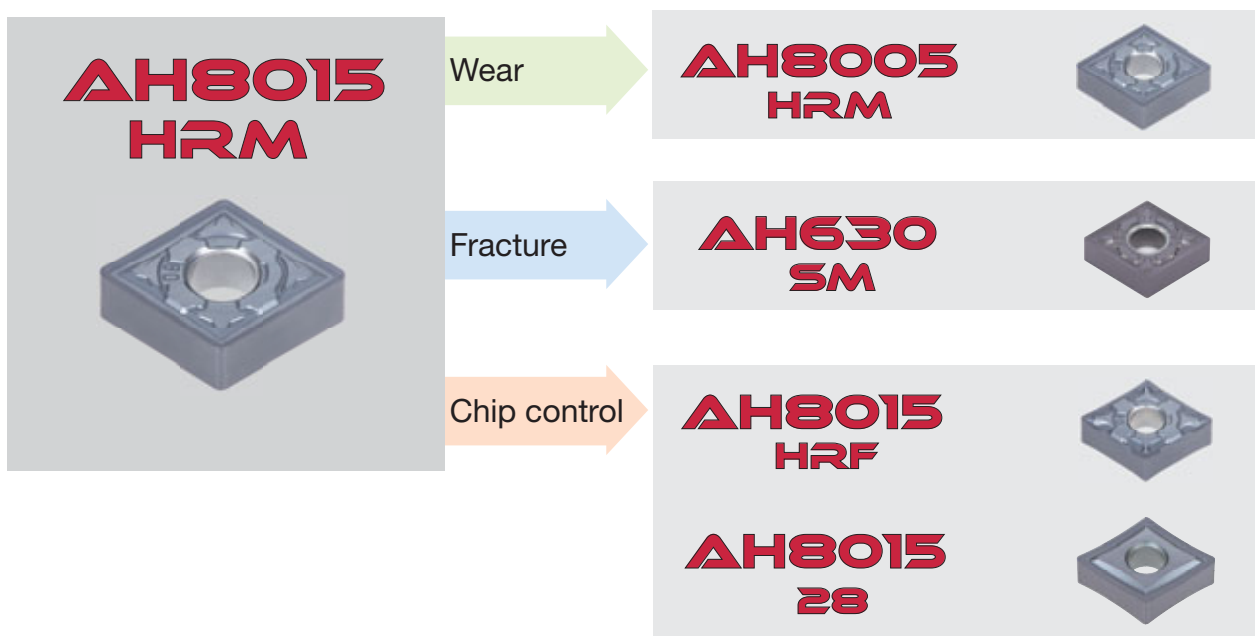
SELECTION GUIDE

Chipbreakers for negative inserts

- For finishing ($a_p = 0.2 - 1.5 \text{ mm}$)

The 1st recommendation

- For finishing to medium cutting ($a_p = 0.5 - 4.0 \text{ mm}$)

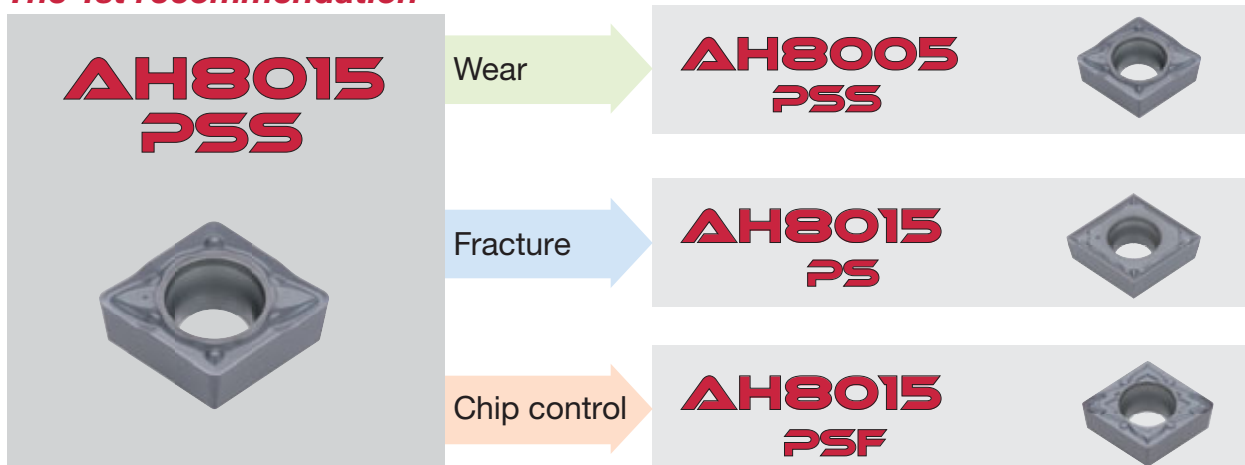
The 1st recommendation

Note: This is a general guide and may not be applicable under the specific conditions.

Chipbreakers for positive inserts

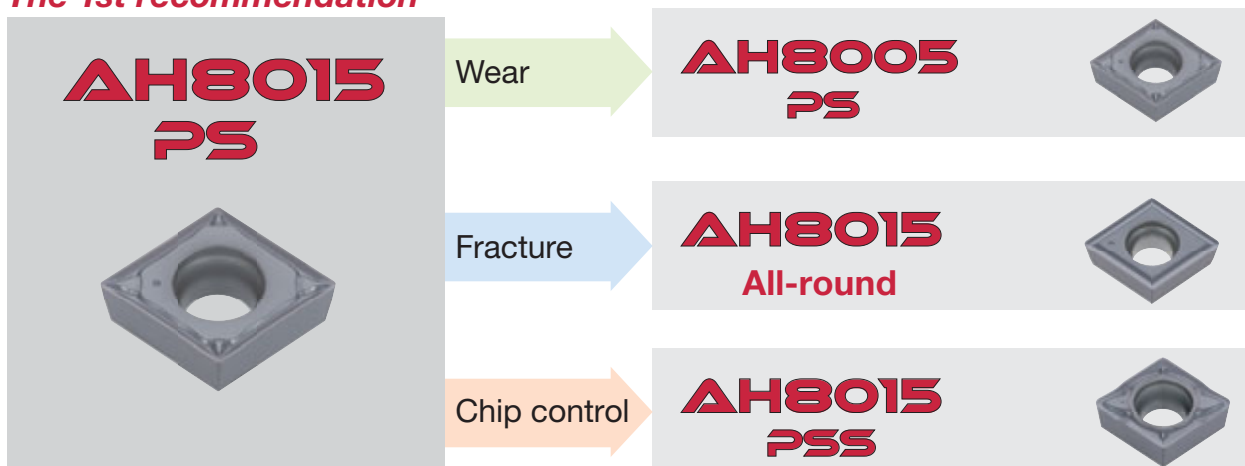
- For finishing ($a_p = 0.3 - 2.0 \text{ mm}$)

The 1st recommendation



- For finishing to medium cutting ($a_p = 0.5 - 2.5 \text{ mm}$)

The 1st recommendation



Note: This is a general guide and may not be applicable under the specific conditions.

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting

**Rhombic, 80°
with hole**

[illegible][illegible]

● : New product ● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting

**Rhombic, 80°
with hole**

[illegible][illegible]

● : New product ● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊕ : Heavy interrupted cutting



**Rhombic, 55°
with hole**

[illegible][illegible]

● : New product ● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊕ : Heavy interrupted cutting

[illegible][illegible]

● : New product ● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting

**Square, 90°
with hole**

[illegible][illegible]

● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊕ : Heavy interrupted cutting

**Triangular, 60°
with hole**

[illegible][illegible]

● : New product ● : Line-up

100

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting



• Rhombic, 35°
with hole

[illegible][illegible]

● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ✱ : Heavy interrupted cutting

**Trigon, 80°
with hole**

[illegible][illegible]

● : New product ● : Line-up

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⌘ : Heavy interrupted cutting

POSITIVE TYPE

 Rhombic, 80°
with hole
Positive 7°



**Rhombic, 80°
with hole
Positive 7°**

[illegible][illegible]

● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊕ : Heavy interrupted cutting

**Rhombic, 80°
with hole
Positive 11°**

[illegible][illegible]

● : Line-up

TurnLine - Inserts

● : Continuous cutting
 ● : Light interrupted cutting
 ✱ : Heavy interrupted cutting

POSITIVE TYPE			P	Steel	M	Stainless	K	Cast iron	N	Non-ferrous	S	Superalloys	H	Hard materials																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting

**Round,
with hole
Positive 7°**

[illegible][illegible]

● : Line-up

**Rhombic, 35°
with hole
Positive 5°**

[illegible][illegible]

● : Line-up

100

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting

**Rhombic, 35°
with hole
Positive 7°**

[illegible][illegible]

● : Line-up

- : Continuous cutting
- ◐ : Light interrupted cutting
- ⊗ : Heavy interrupted cutting

P	Steel
M	Stainless
K	Cast iron
N	Non-ferrous
S	Superalloys
H	Hard materials



► **Rhombic, 55°
with hole**

[illegible]

* Corner radius has minus tolerance

● : Line up

100

- : Continuous cutting
- ◐ : Light interrupted cutting
- ✱ : Heavy interrupted cutting

Trigon, 80° with hole

[illegible][illegible]

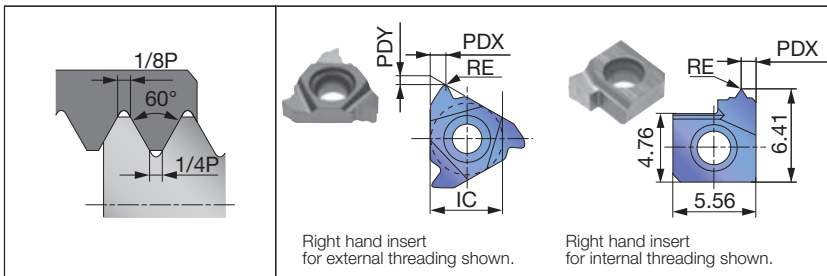
* Corner radius has minus tolerance

● : Line up

[illegible]

● : Line up

ISO metric



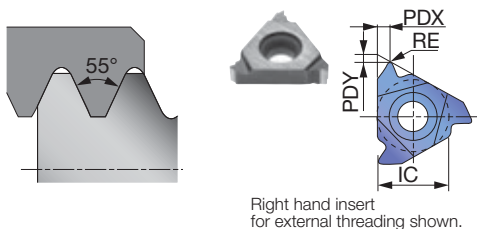
Full-profile inserts

Insert size	Pitch	TPI	Hand of cut	External insert						
				Designation	Grades		IC	PDX	PDY	RE
					Coating					
					AH8015					
16	2	R	16ER20ISO	●	9.525	1.6	1.2	0.25		

Full-profile inserts with chipbreaker

Insert size	Pitch	TPI	Hand of cut	External insert							Internal insert						
				Designation	Grades	IC	PDX	PDY	RE	Designation	Grades	IC	PDX	PDY	RE		
					Coating						Coating						
					AH8015						AH8015						
16	1	R	16ER10ISO-M		9.525	0.9	0.7	0.13	16IR10ISO-M	●	9.525	0.9	0.7	0.08			
16	1.25	R	16ER125ISO-M	●	9.525	0.9	0.7	0.16	16IR125ISO-M		9.525	0.9	0.7	0.1			
16	1.5	R	16ER15ISO-M	●	9.525	0.9	0.7	0.19	16IR15ISO-M	●	9.525	0.9	0.7	0.12			

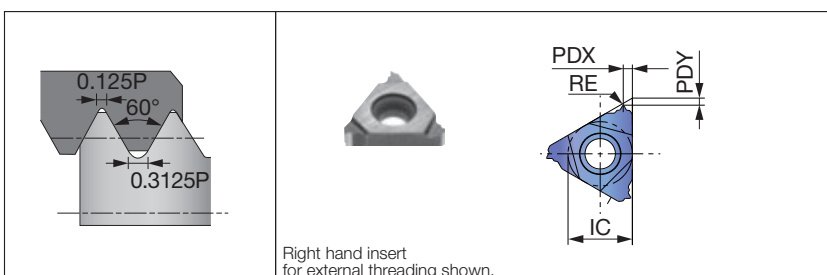
Whitworth



Full-profile inserts

Insert size	Pitch (Reference)	TPI	Hand of cut	External insert							Internal insert						
				Designation	Grades	IC	PDX	PDY	RE	Designation	Grades	IC	PDX	PDY	RE		
					Coating						Coating						
					AH8015						AH8015						
16	(1.814)	14	R	16ER14W-M		9.525	1.6	1.2	0.23	16IR14W-M	●	9.525	1.6	1.2	0.23		

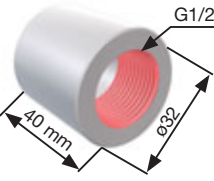
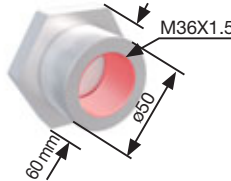
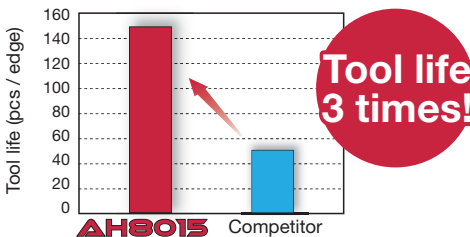
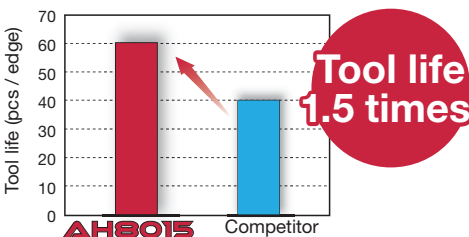
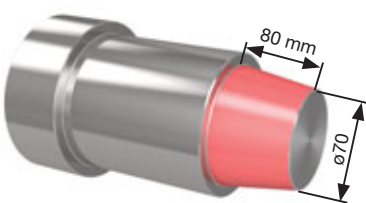
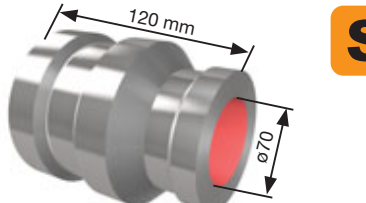
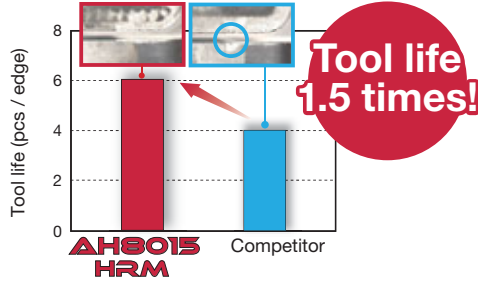
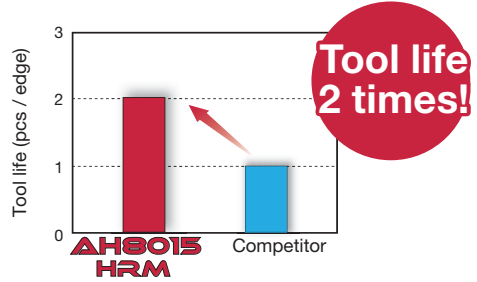
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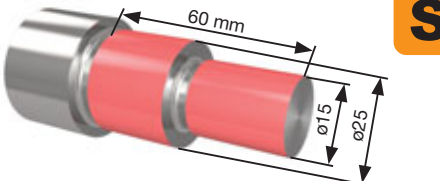
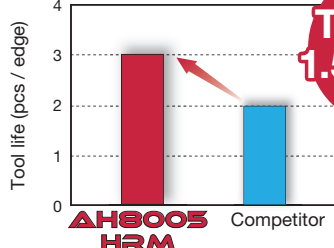
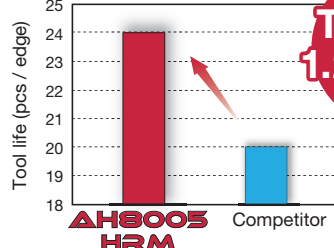
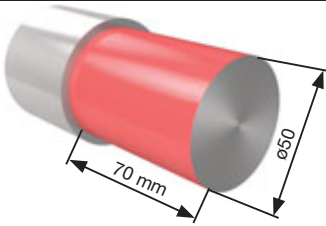
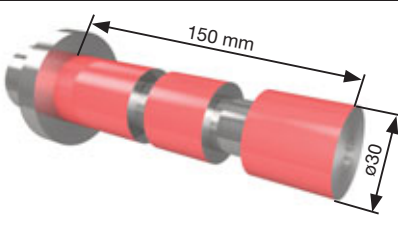
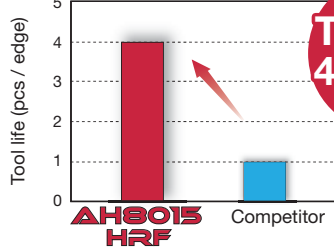
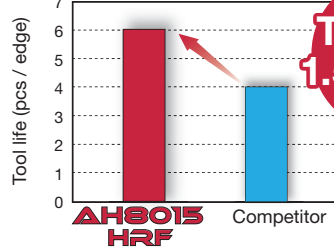


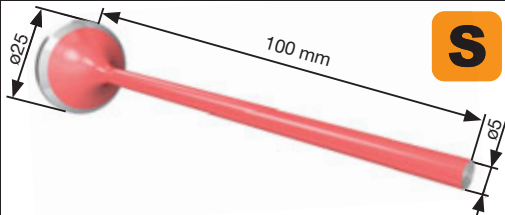
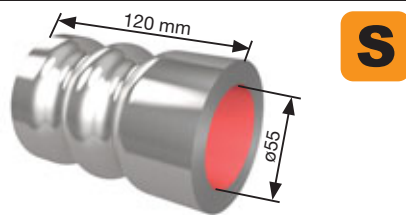
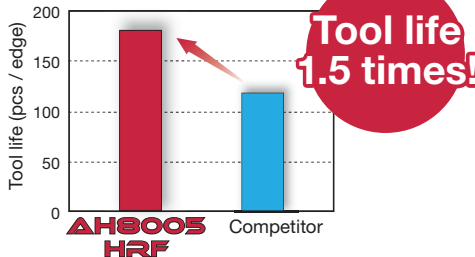
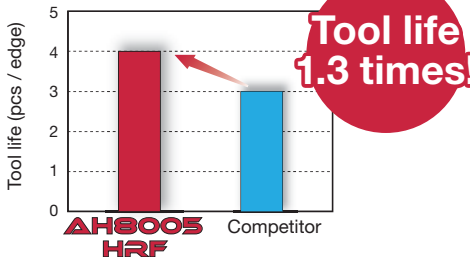
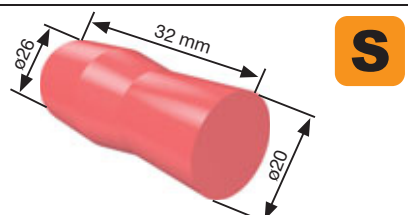
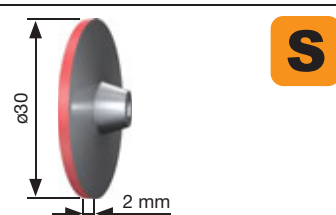
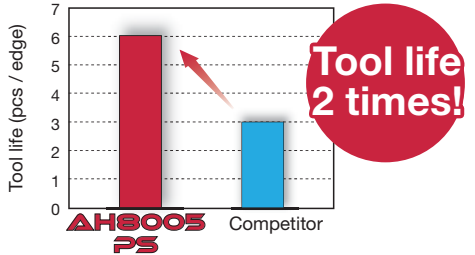
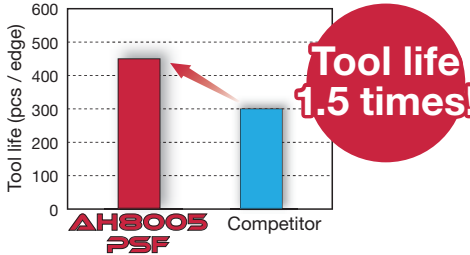
Insert size	Pitch (Reference)	TPI	Hand of cut	External insert						
				Designation	Grades		IC	PDX	PDY	RE
					Coating					
					AH8015					
11	1	R		11IR10MJ	●	6.35	0.9	0.7	0.05	

● : Line up

PRACTICAL EXAMPLES

Workpiece type		Pipe	End cover
Insert		16IR14W-M	16IR15ISO-M
Grade		AH8015	AH8015
Workpiece material		SUS304, X5CrNi18-9	SCM440, 42CrMo4
			
Cutting conditions	Thread	G1/2 (14TPI)	M36X1.5
	Thread depth : (mm)	16	19
	Cutting speed : Vc (m/min)	80	110
	Pass number (pass)	8	6
	Infeed method	Radial infeed	Radial infeed
Coolant		Wet	Wet
Results		 AH8015 Competitor AH8015 has high wear resistance and high chipping resistance extends tool life by 3.0 times.	 AH8015 Competitor AH8015 has high wear resistance extends tool life by 1.5 times also for alloy steel.
Workpiece type		Valve parts	Aircraft parts
Insert		CNMG120408-HRM	CNMG120408-HRM
Grade		AH8015	AH8015
Workpiece material		Inconel 625	Inconel 718
			
Cutting conditions	Cutting speed: Vc (m/min)	30	40
	Feed : f (mm/rev)	0.2	0.22
	Depth of cut : ap (mm)	1.5	2.0
	Coolant	Wet	Wet
Results		 AH8015 HRM Competitor AH8015 with HRM chipbreaker greatly reduces notch wear and extends tool life by 1.5 times.	 AH8015 HRM Competitor AH8015 that is well-balanced between wear and fracture resistance doubles tool life.

Workpiece type		Shaft parts	Valve parts
Insert		CNMG120408-HRM	CNMG120408-HRM
Grade		AH8005	AH8005
Workpiece material		Inconel 718	Inconel 718
			
Cutting conditions	Cutting speed: V_c (m/min)	50	80
	Feed : f (mm/rev)	0.28	0.20
	Depth of cut : a_p (mm)	3.5	1.0 - 1.5
	Coolant	Wet	Wet
Results		 AH8005 HRM Competitor AH8005 with high wear resistance extends tool life by 1.5 times.	 AH8005 HRM Competitor Due to outstanding wear resistance, AH8005 extends tool life by 1.2 times.
Workpiece type		Tube parts	Aircraft parts
Insert		CNMG120408-HRF	CNMG120412-HRF
Grade		AH8015	AH8015
Workpiece material		Hastelloy 276	Inconel 909
			
Cutting conditions	Cutting speed: V_c (m/min)	80	55
	Feed : f (mm/rev)	0.10	0.30
	Depth of cut : a_p (mm)	1.5 mm x 8 pass	0.5
	Coolant	Wet	Wet
Results		 AH8015 HRF Competitor AH8015 has good balance between wear and fracture resistance, increasing tool life by 4 times.	 AH8015 HRF Competitor AH8015 provides better surface finish and extends tool life by 1.5 times.

Workpiece type		Valve parts	Aircraft parts
Insert		CNMG120408-HRF	CNMG120408-HRF
Grade		AH8005	AH8005
Workpiece material		Inconel 718	Inconel 718
			
Cutting conditions	Cutting speed: V_c (m/min)	100	70
	Feed : f (mm/rev)	0.11 - 0.14	0.17
	Depth of cut : a_p (mm)	0.3	0.5
	Coolant	Wet	Wet
Results		 AH8005 HRF AH8005 delivers outstanding wear resistance, increasing tool life by 1.5 times.	 AH8005 HRF AH8005 with excellent wear resistance provides good surface quality and extends tool life by 1.3 times.
		Workpiece type	
Insert		VCMT160408-PS	CCMT09T304-PSF
Grade		AH8005	AH8005
Workpiece material		Inconel 718	Inconel 718
			
Cutting conditions	Cutting speed: V_c (m/min)	45	100
	Feed : f (mm/rev)	0.20	0.12
	Depth of cut : a_p (mm)	0.5	0.07
	Machining	External turning and facing	External turning
Coolant	Wet	Wet	
Results		 AH8005 PS AH8005 with PS chipbreaker improves productivity by 1.3 times due to increased feed rate and speed, doubling tool life.	 AH8005 PSF AH8005 with PSF chipbreaker provides excellent chip control and wear resistance, extending tool life by 1.5 times.

Check our site and our App to get more info!



Tungaloy Corporation (Head office)

11-1 Yoshima-Kogyodanchi
Iwaki-city, Fukushima 970-1144 Japan
Phone: +81-246-36-8501
Fax: +81-246-36-8542
www.tungaloy.co.jp

Tungaloy America, Inc.

3726 N Ventura Drive
Arlington Heights, IL 60004, U.S.A.
Phone: +1-888-554-8394
Fax: +1-888-554-8392
www.tungaloy.com/us

Tungaloy Canada

432 Elgin St. Unit 3
Brantford, Ontario N3S 7P7, Canada
Phone: +1-519-758-5779
Fax: +1-519-758-5791
www.tungaloy.com/ca

Tungaloy de Mexico S.A.

C Los Arellano 113,
Parque Industrial Siglo XXI
Aguascalientes, AGS, Mexico 20290
Phone: +52-449-929-5410
Fax: +52-449-929-5411
www.tungaloy.com/mx

Tungaloy do Brasil Ltda.

Avd. Independencia N4158 Residencial Flora
13280-000 Vinhedo, São Paulo, Brasil
Phone: +55-19-38262757
Fax: +55-19-38262757
www.tungaloy.com/br

Tungaloy Germany GmbH

An der Alten Ziegelei 1
D-40789 Monheim, Germany
Phone: +49-2173-90420-0
Fax: +49-2173-90420-19
www.tungaloy.de

Tungaloy France S.A.S.

ZA Courtaboef - Le Rio
1 rue de la Terre de feu
F-91952 Courtaboef Cedex, France
Phone: +33-1-6486-4300
Fax: +33-1-6907-7817
www.tungaloy.com/fr

Tungaloy Italia S.r.l.

Via E. Andolfato 10
I-20126 Milano, Italy
Phone: +39-02-252012-1
Fax: +39-02-252012-65
www.tungaloy.com/it

Tungaloy Czech s.r.o.

Turanka 115
CZ-627 00 Brno, Czech Republic
Phone: +420-532 123 391
Fax: +420-532 123 392
www.tungaloy.com/cz

Tungaloy Ibérica S.L.

C/Miquel Servet, 43B, Nau 7
Pol. Ind. Bufalvent
ES-08243 Manresa (BCN), Spain
Phone: +34 93 113 1360
Fax: +34 93 876 2798
www.tungaloy.com/es

Tungaloy Scandinavia AB

Bultgatan 38
442 40 Kungälv, Sweden
Phone: +46-462119200
Fax: +46-462119207
www.tungaloy.com/se

Tungaloy Rus, LLC

Andropova avenue, h.18/7,
11 floor, office 3, 115432,
Moscow, Russia
Phone: +7-499-683-01-80
Fax: +7-499-683-01-81
www.tungaloy.com/ru

Tungaloy Polska Sp. z o.o.

Ul. Iryszowa 1, 55-040 Bielany
Wrocławskie, Poland
Phone: +48 607 907 237
www.tungaloy.com/pl

Tungaloy U.K. Ltd

Gallan Park, Watling Street,
Cannock, WS110XG, UK
Phone: +44 121 4000 231
Fax: +44 121 270 9694
www.tungaloy.com/uk

Tungaloy Hungary Kft

Erzsébet királyné útja 125
H-1142 Budapest, Hungary
Phone: +36 1 781-6846
Fax: +36 1 781-6866
www.tungaloy.com/hu

Tungaloy Turkey

Dudullu, OSB 4. Cad No:4
34776 Umraniye Istanbul, TURKEY
Phone: +90 216 540 04 67
Fax: +90 216 540 04 87
www.tungaloy.com/tr

Tungaloy Benelux b.v.

Tjalk 70
NL-2411 NZ Bodegraven, Netherlands
Phone: +31 172 630 420
Fax: +31 172 630 429
www.tungaloy.com/nl

Tungaloy Croatia

Ulica bana Josipa Jelačića 87,
10430, Samobor, Croatia
Phone: +385 1 3326 604
Fax: +385 1 3327 683
www.tungaloy.com/hr

Tungaloy Cutting Tool (Shanghai) Co., Ltd.

Rm No 401 No.88 Zhabei
Jiangchang No.3 Rd
Shanghai 200436, China
Phone: +86-21-3632-1880
Fax: +86-21-3621-1918
www.tungaloy.com/cn

Tungaloy Cutting Tools (Taiwan) Co., Ltd.

9F, No.293, Zhongyang Rd,
Xinzhuang Dist, New Taipei City,
24251 Taiwan
Phone: +886-2-8521-9986
Fax: +886-2-8521-8935
www.tungaloy.com/tw

Tungaloy Cutting Tools (Thailand) Co., Ltd.

Interlink tower 4th Fl.
1858/5-7 Bangna-Trad Road
km.5 Bangna, Bangna, Bangkok 10260
Thailand
Phone: +66-2-751-5711
Fax: +66-2-751-5715
www.tungaloy.com/th

Tungaloy Singapore (Pte.), Ltd.

62 Ubi Road 1, #06-11 Oxley BizHub 2
Singapore 408734
Phone: +65-6391-1833
Fax: +65-6299-4557
www.tungaloy.com/sg

Tungaloy Vietnam

LE04.38, Lexington Residence
67 Mai Chi Tho St., Dist. 2,
Ho Chi Minh City, Vietnam
Phone: +84-2837406660
www.tungaloy.com/sg

Tungaloy India Pvt. Ltd.

Indiabulls Finance Centre,
Unit # 902-A, 9th Floor,
Tower 1, Senapati Bapat Marg,
Elphinstone Road (West),
Mumbai -400013, India
Phone: +91-22-6124-8804
Fax: +91-22-6124-8899
www.tungaloy.com/in

Tungaloy Korea Co., Ltd

#1312, Byucksan Digital Valley 5-cha
Beotkkot-ro 244, Geumcheon-gu
153-788 Seoul, Korea
Phone: +82-2-2621-6161
Fax: +82-2-6393-8952
www.tungaloy.com/kr

Tungaloy Malaysia Sdn Bhd

50 K-2, Kelana Mall, Jalan SS6/14
Kelana Jaya, 47301
Petaling Jaya, Selangor Darul Ehsan
Malaysia
Phone: +603-7805-3222
Fax: +603-7804-8563
www.tungaloy.com/my

Tungaloy Australia Pty Ltd

Unit 68 1470 Ferntree Gully Road
Knoxfield 3180 Victoria, Australia
Phone: +61-3-9755-8147
Fax: +61-3-9755-6070
www.tungaloy.com/au

PT. Tungaloy Indonesia

Kompleks Grand Wisata Block AA-10 No.3-5
Cibitung
Bekasi 17510, Indonesia
Phone: +62-21-8261-5808
Fax: +62-21-8261-5809
www.tungaloy.com/id



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