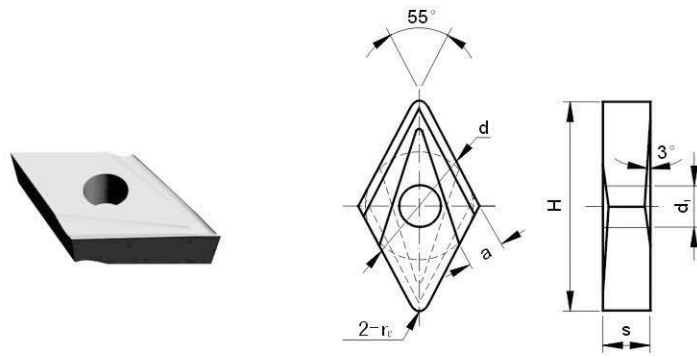


Mechanically Clamped Inserts

Cemented Carbide Mechanically Clamped Inserts Both universal mechanically clamped inserts and special inserts are supplied. With the state-of-the-art production line and the advanced manufacturing process in the world, the company provides customers with inserts for turning, milling, boring, grooving and threading in finishing, semi-finishing or roughing application.

Indexable Inserts

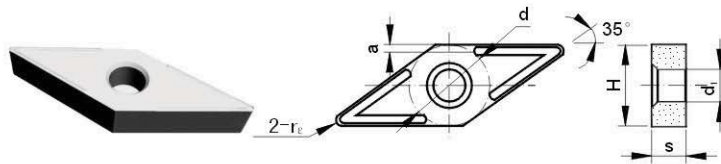
Type 2C For making turning and threading tools for CNC and profile machines



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r_f	$a \approx$	d_i	H	YG6	YG8	YT5	YT14
21305C	13.0	5.5	0.5	3.0	5.2	27.0	13.7	13.5	12.1	10.7
21315C	13.0	5.5	1.5	3.0	5.2	24.7	13.5	13.3	11.8	10.5
21615C	16.0	7.0	1.5	4.2	6.2	31.2	25.8	25.4	22.9	20.3

Indexable Inserts

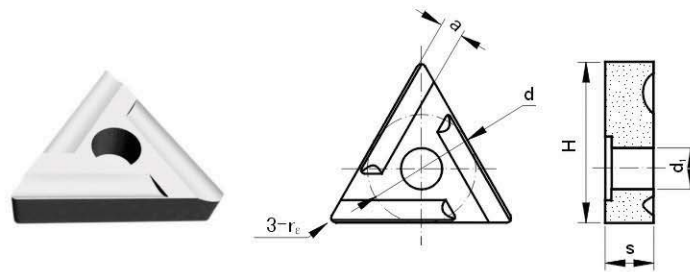
Type 2V For making turning tools for CNC and profile machines with double-sided groove and long cutting edge.



Type	Dimension(mm)						Approx unit weight(g)			
	d	H	s	r _e	a _≈	d ₁	YG6	YG8	YT5	YT14
21008V	10.0	10.0	4.4	0.8	1.2	4.2	10.0	9.8	8.8	7.8
21310V	13.0	13.0	5.5	1.0	1.4	5.2	21.2	20.8	17.6	15.8

Indexable Inserts

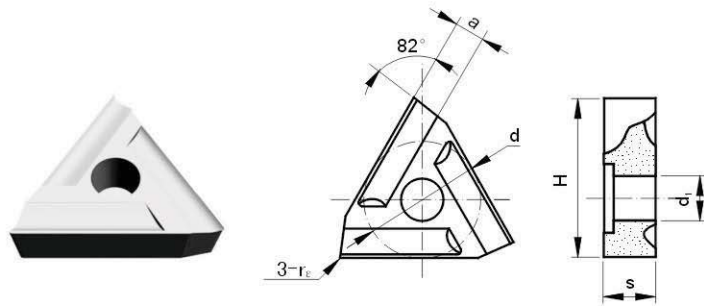
Type 3A For making left & right hand, external turning tools and boring tools with offset shank



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a _≈	d ₁	YG6	YG8	YT5	YT14
31005A	10.0	4.5	0.5	14.5	2.4	4.2	7.5	7.4	6.4	5.7
31005AL										
31305A	13.0	5.5	0.5	19.0	3.4	5.2	15.7	15.5	13.4	11.9
31305AL										
31605A	16.0	7.0	0.5	23.5	4.4	6.2	30.0	29.7	26.1	23.2
31605AL										
31905A	19.0	8.5	0.5	28.0	5.4	7.2	52.0	51.0	44.6	39.6
31905AL										

Indexable Inserts

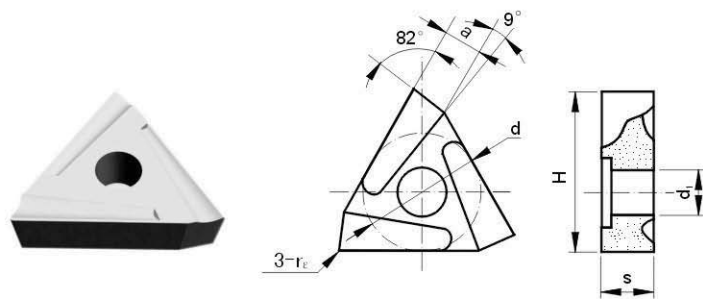
Type 3C For making left & right hand, external turning tools and boring tools with offset shank



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a _≈	d _i	YG6	YG8	YT5	YT14
31003C	10.0	4.5	0.3	14.0	2.4	4.2	7.4	7.2	6.3	5.6
31003CL										
31303C	13.0	5.5	0.3	18.2	3.4	5.2	15.3	15.1	13.0	11.5
31303CL										
31603C	16.0	7.0	0.3	22.6	4.4	6.2	29.5	29.2	25.7	22.9
31603CL										
31905C	19.0	8.5	0.5	26.0	5.4	7.2	49.5	49.0	43.0	38.2
31905CL										

Indexable Inserts

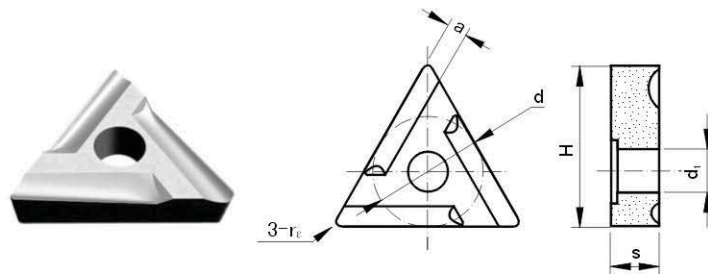
Type 3D For making left & right hand, external turning tools and boring tools with offset shank



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _f	H	a _≈	d ₁	YG6	YG8	YT5	YT14
31003D	10.0	4.5	0.3	14.0	3.4	4.2	7.5	7.3	6.3	5.6
31003DL										
31303D	13.0	5.5	0.3	18.2	4.4	5.2	15.3	15.0	13.2	11.7
31303DL										
31603D	16.0	7.0	0.3	22.6	5.0	6.2	29.3	29.0	25.6	22.8
31603DL										
31905D	19.0	8.5	0.5	26.0	5.7	7.2	48.5	48.0	43.4	38.6
31905DL										

Indexable Inserts

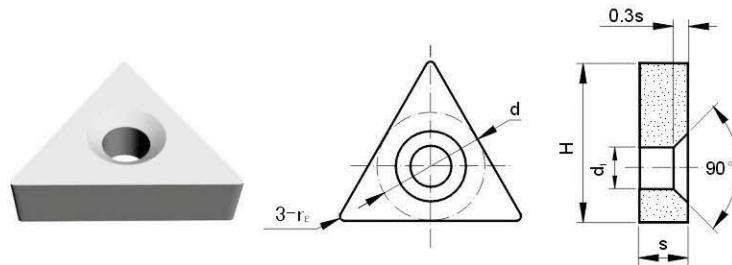
Type 3F For making left & right hand, internal & external turning tools with offset shank and small radial stress, particularly suitable for making thin and long shafts



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a _≈	d ₁	YG6	YG8	YT5	YT14
31005F	10.0	4.5	0.5	14.5	2.4	4.2	7.0	6.8	6.2	5.5
31005FL										
31305F	13.0	5.5	0.5	19.0	3.4	5.2	15.0	14.8	12.9	11.4
31305FL										
31310F	13.0	5.5	1.0	18.5	4.4	5.2	14.5	14.2	12.7	11.3
31310FL										
31610F	16.0	7.0	1.0	23.0	5.4	6.2	28.4	28.0	24.3	21.5
31610FL										

Indexable Inserts

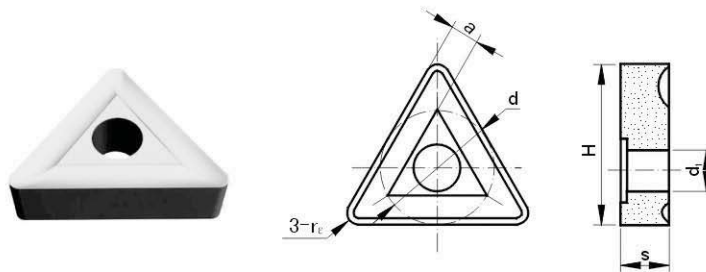
Type 3N For making end mills with tool holder, drills with coolant channels, core drills



Type	Dimension(mm)					Approx unit weight(g)			
	d	s	r _e	H	d _i	YG6	YG8	YT5	YT14
31005N	10.0	4.5	0.5	14.5	4.2	7.7	7.5	6.6	5.9
31305N	13.0	5.5	0.5	19.0	5.2	15.8	15.6	13.5	12.0
31605N	16.0	7.0	0.5	23.5	6.2	30.9	30.1	26.9	23.9
31910N	19.0	8.5	1.0	27.5	7.2	52.0	51.0	45.7	40.6

Indexable Inserts

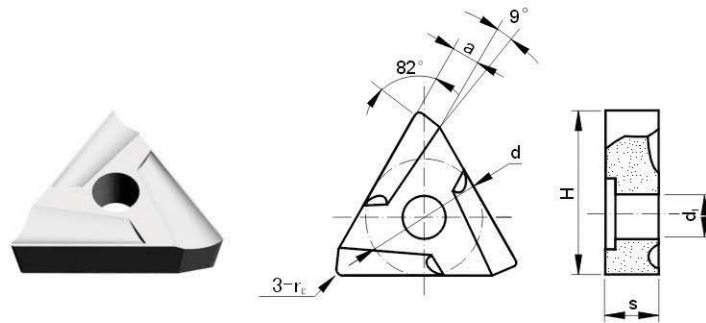
Type 3V For making internal and external tools, threading tools and grooving tools



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a _≈	d ₁	YG6	YG8	YT5	YT14
31005V	10.0	4.5	0.5	14.5	2.4	4.2	7.3	7.2	6.4	5.7
31310V	13.0	5.5	1.0	18.5	3.4	5.2	15.0	14.7	13.11	11.6
31320V	13.0	5.5	2.0	17.5	3.4	5.2	14.8	14.5	12.7	11.1
31605V	16.0	7.0	0.5	23.5	4.4	6.2	30.0	29.6	25.6	22.8
31620V	16.0	7.0	2.0	22.0	4.4	6.2	28.2	27.8	25.0	22.2
31910V	19.0	8.5	1.0	27.5	5.4	7.2	51.0	50.0	44.1	39.2
31920V	19.0	8.5	2.0	26.5	5.4	7.2	52.0	51.0	44.7	38.8

Indexable Inserts

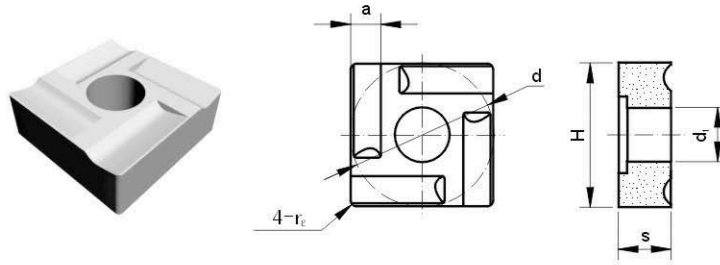
Type 3Y For making 90° turning and boring tools suitable for heavy feed roughing



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a ≈	d ₁	YG6	YG8	YT5	YT14
31303Y	13.0	5.5	0.3	18.2	5.7	5.2	14.9	14.7	12.4	11.0
31303YL										
31603Y	16.0	7.0	0.3	22.6	6.8	6.2	28.6	28.3	24.8	22.0
31603YL										

Indexable Inserts

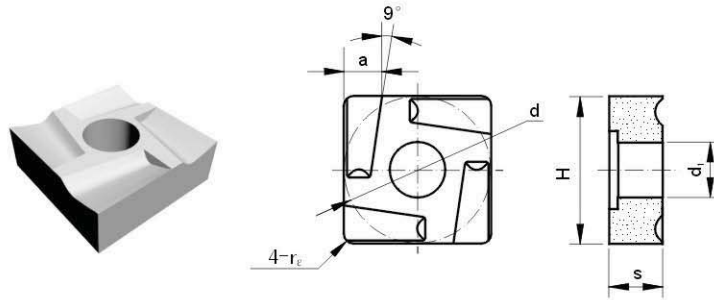
Type 4A For making left & right hand, internal & external end face turning tools with offset shank



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _f	H	a _≈	d _i	YG6	YG8	YT5	YT14
41005A	10.0	3.5	0.5	10.0	2.4	4.2	4.3	4.2	3.6	3.2
41005AL										
41305A	13.0	4.5	0.5	13.0	3.4	5.2	9.6	9.4	7.9	7.0
41305AL										
41315A	13.0	4.5	1.5	13.0	3.4	5.2	9.4	9.2	7.6	6.8
41315AL										
41605A	16.0	5.5	0.5	16.0	4.4	6.2	17.4	17.2	15.0	13.3
41605AL										
41905A	19.0	7.0	0.5	19.0	5.4	7.2	31.0	30.5	27.4	24.3
41905AL										

Indexable Inserts

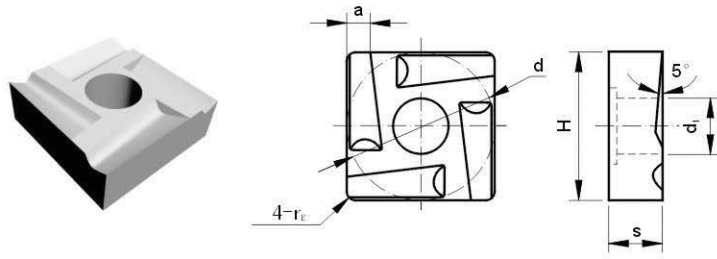
Type 4D For making 75°, 45° external and surface turning and boring tools with wide groove, suitable for heavy feed machining



Type	Dimension(mm)						Approx unit weight(g)			
	d	H	s	r _e	a ≈	d _i	YG6	YG8	YT5	YT14
41305D	13.0	13.0	4.5	0.5	4.4	5.2	9.2	9.0	7.9	7.0
41305DL										
41610D	16.0	16.0	5.5	1.0	5.5	6.2	17.2	17.0	14.7	13.0
41610DL										
41910D	19.0	19.0	7.0	1.0	6.8	7.2	31.0	30.6	26.4	23.5
41910DL										

Indexable Inserts

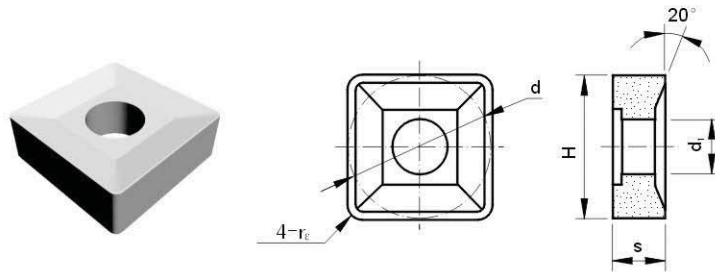
Type 4F For making left & right hand internal & external turning tools with offset shank and small radial stress, suitable for machining thin and long shafts



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a _≈	d ₁	YG6	YG8	YT5	YT14
41005F	10.0	3.5	0.5	10.0	2.4	4.2	4.1	4.0	3.4	3.0
41005FL										
41305F	13.0	4.5	0.5	13.0	3.4	5.2	8.9	8.7	7.7	6.8
41305FL										
41605F	16.0	5.5	0.5	16.0	4.4	6.2	16.3	16.0	14.4	12.8
41605FL										
41905F	19.0	7.0	0.5	19.0	5.4	7.2	30.0	29.5	26.4	23.5
41905FL										

Indexable Inserts

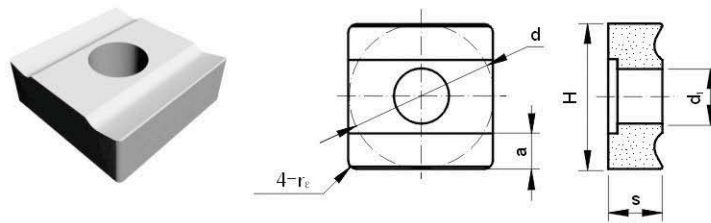
Type 4G For making cast iron turning tools



Type	Dimension(mm)					Approx unit weight(g)			
	d	s	r_e	H	d_i	YG6	YG8	YT5	YT14
41310G	13.0	4.5	1.0	13.0	5.2	8.5	8.3	7.4	6.6
41610G	16.0	5.5	1.0	16.0	6.2	16.1	15.8	14.0	12.4
41915G	19.0	7.0	1.5	19.0	7.2	29.4	29.0	25.5	22.6

Indexable Inserts

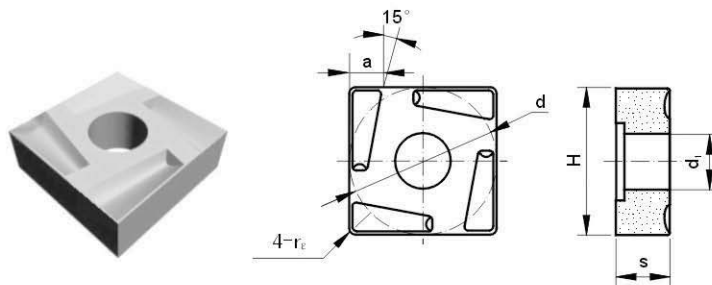
Type 4H For making internal & external, end face and internal & external chamfered tools



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	re	H	a _≈	d ₁	YG6	YG8	YT5	YT14
41002H	10.0	3.5	0.2	10.0	2.4	4.2	4.3	4.2	3.7	3.3
41305H	13.0	4.5	0.5	13.0	3.4	5.2	9.0	8.8	8.0	7.1
41605H	16.0	5.5	0.5	16.0	4.4	6.2	17.8	17.5	15.3	13.6
41610H	16.0	5.5	1.0	16.0	4.4	6.2	17.1	16.8	15.1	13.4
41910H	19.0	6.5	1.0	19.0	5.4	7.2	29.1	28.8	25.6	22.8
42510H	25.0	9.0	1.0	25.0	10.0	9.0	相当于非标T81737			

Indexable Inserts

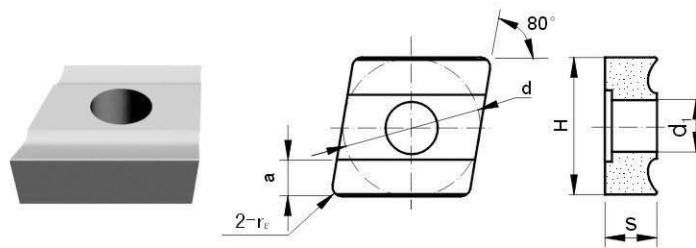
Type 4Y For making 75° , 45° internal and face turning tools and boring tools, particularly suitable for machining bearing steel in bearing industry



Type	Dimension(mm)						Approx unit weight(g)			
	d	H	s	r _f	a ≈	d _i	YG6	YG8	YT5	YT14
41620Y	16.0	16.0	5.5	2.0	5.0	6.2	17.6	17.3	15.2	13.5
41620YL										
41930Y	19.0	19.0	7.0	3.0	6.0	7.2	30.9	30.4	27.1	24.1
41930YL										

Indexable Inserts

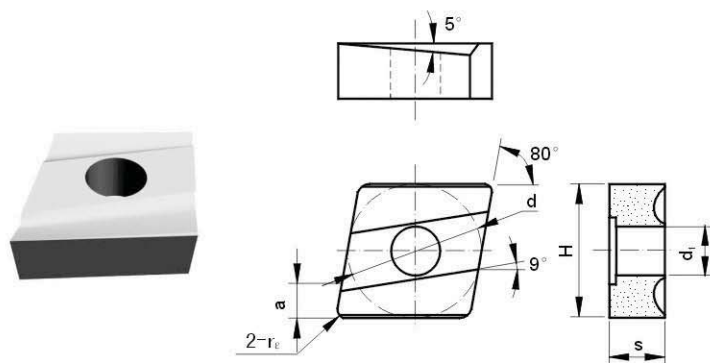
Type CH For making 90° 75° turning and boring tools, suitable for roughing or semi-finishing of bearing and parts with holes due to long cutting edge and wide edge angle



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	H	r_e	$a \approx$	d_i	YG6	YG8	YT5	YT14
C1305H	13.0	4.5	13.0	0.5	4.5	5.2	10.9	10.6	9.4	8.3
C1305HL										
C1610H	16.0	5.5	16.0	1.0	5.3	6.2	17.8	17.5	15.7	13.5
C1610HL										
C1910H	19.0	7.0	19.0	1.0	6.0	7.2	32.5	32.0	27.4	24.3
C1910HL										

Indexable Inserts

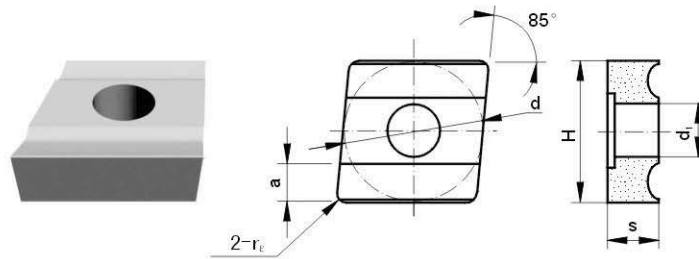
Type CL For making 90° turning, boring and milling tools with small radial force and good chip cut off effect



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	H	r _f	a _≈	d ₁	YG6	YG8	YT5	YT14
C1005L	10.0	3.5	10.0	0.5	2.0	4.2	4.2	4.1	3.4	3.0
C1005LL										
C1305L	13.0	4.5	13.0	0.5	3.0	5.2	8.7	8.5	7.5	6.6
C1305LL										
C1610L	16.0	5.5	16.0	1.0	4.5	6.2	16.0	15.8	13.8	12.2
C1610LL										
C1910L	19.0	8.0	19.0	1.0	5.5	7.2	33.0	32.5	29.2	25.9
C1910LL										

Indexable Inserts

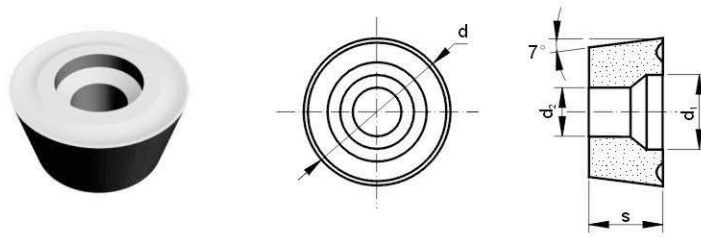
Type MH For making 90° turning tools. Suitable for percussion and continuous cutting conditions



Type	Dimension(mm)						Approx unit weight(g)			
	d	H	s	r_c	$a \approx$	d_1	YG6	YG8	YT5	YT14
M1610H	16.0	16.0	5.5	1.0	5.3	6.2	17.8	17.5	14.9	13.2
M1610HL										
M1910H	19.0	19.0	7.0	1.0	6.0	7.2	31.0	30.5	27.2	24.1
M1910HL										

Indexable Inserts

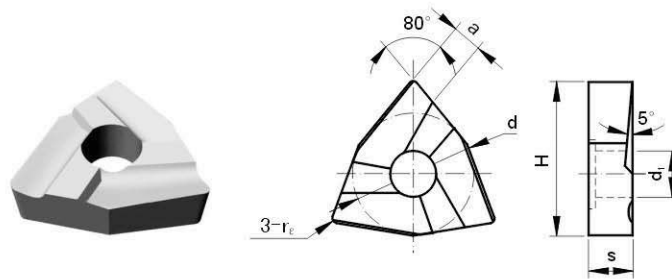
Type R For making tools for ball bearing guides and profile tools with countersunk hole, easy clamping



Type	Dimension(mm)				Approx unit weight(g)			
	d	d ₁	d ₂	s	YG6	YG8	YT5	YT14
R12-V2	12.0	6.0	4.0	6.0	7.1	7.0	6.4	5.7

Indexable Inserts

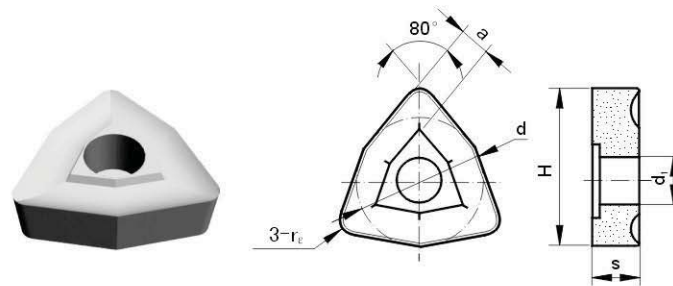
Type T3F For making left & right hand, internal & external end face turning tools and planing tools with offset shank



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r _e	H	a _≈	d ₁	YG6	YG8	YT5	YT14
T31005F	10.0	3.5	0.5	12.6	2.4	4.2	4.2	4.2	3.7	3.3
T31005FL										
T31305F	13.0	4.5	0.5	16.4	3.4	5.2	9.2	9.1	7.9	7.0
T31305FL										
T31605F	16.0	5.5	0.5	20.3	4.4	6.2	17.2	17.0	14.6	13.0
T31605FL										
T31905F	19.0	7.0	0.5	24.2	5.4	7.2	30.8	30.5	26.8	23.8
T31905FL										

Indexable Inserts

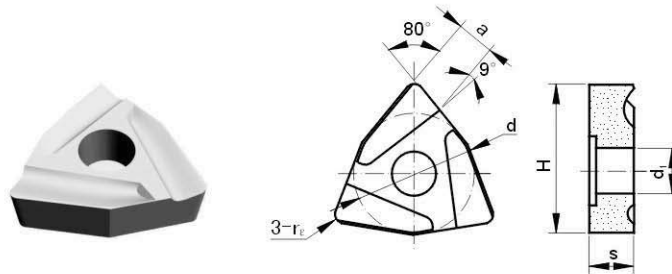
Type T3V For making internal & external turning tools, boring tools, forming tools and planing tools



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	r_c	H	$a \approx$	d_1	YG6	YG8	YT5	YT14
T31005V	10.0	3.5	0.5	12.6	2.4	4.2	4.4	4.3	3.9	3.5
T31310V	13.0	4.5	1.0	16.1	3.4	5.2	9.5	9.4	8.3	7.3
T31610V	16.0	5.5	1.0	20.0	4.4	6.2	17.7	17.5	17.3	17.2
T31612V	16.0	5.5	2.0	19.5	4.4	6.2	18.3	18.0	13.6	13.2
T31920V	19.0	7.0	2.0	23.3	5.4	7.2	31.8	31.5	24.5	24.0

Indexable Inserts

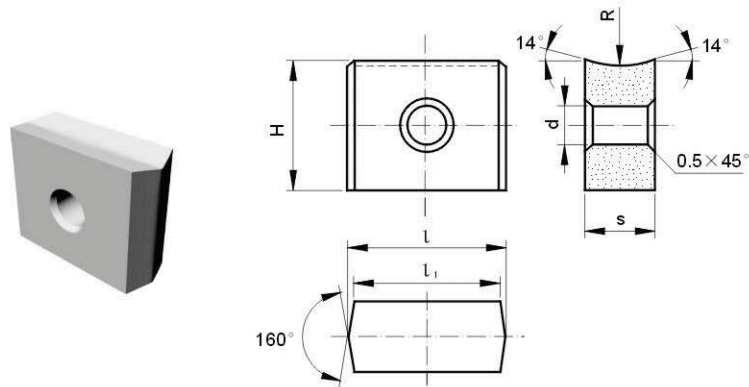
Type T3Y For making 90° internal and boring tools, suitable for heavy feed roughing



Type	Dimension(mm)						Approx unit weight(g)			
	d	s	H	r _e	a _≈	d ₁	YG6	YG8	YT5	YT14
T31310Y	13.0	4.5	16.1	1.0	5.0	5.2	9.7	9.5	7.9	7.1
T31310YL										
T31610Y	16.0	5.5	20.0	1.0	6.5	6.2	17.3	17.0	14.6	13.2
T31610YL										
T31910Y	19.0	7.0	23.9	1.0	7.0	7.2	31.8	31.5	27.4	24.3
T31910YL										

Indexable Inserts

Type ZL For making mechanically clamped heavy-duty tools, suitable for large lathes or vertical lathes



Type	Dimension(mm)						Approx unit weight(g)			
	l_1	l	d	s	H	R	YG6	YG8	YT5	YT14
ZL25	25.0	27.0	6.5	12.0	22.0	20.0	102.0	100.0	87.9	78.0
ZL40	40.0	42.0	6.5	12.0	22.0	20.0	161.0	159.0	139.0	123.4