

RT 800 WP

Indexable Insert Drills

Bodies



Coolant Through

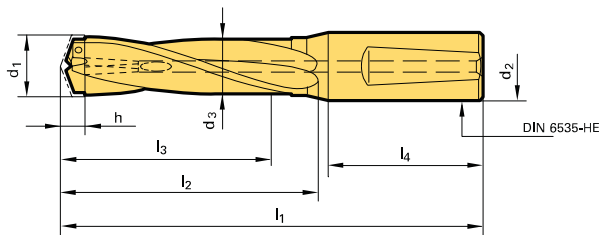


Reinforced Straight Shank w/
Whistle Notch

Speeds & Feeds
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Large Diameter
HSS, full-helix flute, nickel treated

Shank Dia. = h6 tolerance range



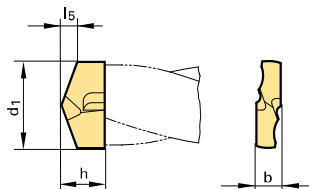
③

Holder Size	Insert Range mm	d1 mm	d2 mm	d2 in	d3 mm	l4 mm	Series 5242 (3xD)				Series 5243 (5xD)				Series 5248 (7xD)			
							l1 mm	l2 mm	l3 mm	EDP No.	l1 mm	l2 mm	l3 mm	EDP No.	l1 mm	l2 mm	l3 mm	EDP No.
0.1	16.00-17.00	15.70	20.00		15.7	50	130	76	54	9052420170000	166	112	90	9052430170000	202	148	126	9052480170000
	16.00-17.00	15.70		3/4	15.7	50												
0.2	17.00-17.86	16.70	20.00		16.7	50	130	76	54	9052420179900	166	112	90	9052430179900	202	148	126	9052480179900
	17.00-17.86	16.70		3/4	16.7	50												
1.1	18.00-19.05	17.70	20.00		17.7	50	138	84	60	9052420190000	178	124	100	9052430190000	218	164	140	9052480190000
	18.00-19.05	17.70		3/4	17.7	50												
1.2	19.00-20.00	18.70	20.00		18.7	50	138	84	60	9052420200000	178	124	100	9052430200000	218	164	140	9052480200000
	19.00-20.00	18.70		3/4	18.7	50												
2.1	20.24-21.03	19.70	25.00		19.7	56	153	93	66	9052420210000	197	137	110	9052430210000	241	181	154	9052480210000
	20.24-21.03	19.70		1.00	19.7	56												
2.2	21.00-22.50	20.70	25.00		20.7	56	153	93	66	9052420225000	197	137	110	9052430225000	241	181	154	9052480225000
	21.00-22.50	20.70		1.00	20.7	56												
3.1	22.62-24.00	22.20	25.00		22.2	56	161	101	72	9052420240000	209	149	120	9052430240000	257	197	168	9052480240000
	22.62-24.00	22.20		1.00	22.2	56												
3.2	24.00-25.50	23.70	25.00		23.7	56	170	110	78	9052420255000	222	162	130	9052430255000	274	214	182	9052480255000
	24.00-25.50	23.70		1.00	23.7	56												
4.1	26.00-27.50	25.20	32.00		25.2	60	182	118	84	9052420275000	238	174	140	9052430275000	294	230	196	9052480275000
	26.00-27.50	25.20		1 1/4	25.2	60												
4.2	27.50-29.50	27.20	32.00		27.2	60	190	126	90	9052420295000	250	186	150	9052430295000	310	246	210	9052480295000
	27.50-29.50	27.20		1 1/4	27.2	60												
5.1	30.00-32.00	29.20	32.00		29.2	60	198	134	96	9052420320000	262	198	160	9052430320000	326	262	224	9052480320000
	30.00-32.00	29.20		1 1/4	29.2	60												
5.2	32.00-34.50	31.70	32.00		31.7	60	206	142	102	9052420345000	274	210	170	9052430345000	342	278	238	9052480345000
	32.00-34.50	31.70		1 1/4	31.7	60												
6.1	35.00-37.50	34.00	32.00		34.0	60	218	154	114	9052420375000	292	228	190	9052430375000	366	302	266	9052480375000
	35.00-37.50	34.00		1 1/4	34.0	60												
6.2	37.50-40.50	37.00	32.00		37.0	60	231	167	120	9052420405000	311	247	200	9052430405000	391	327	280	9052480405000
	37.50-40.50	37.00		1 1/4	37.0	60												

Inserts



Large Diameter Carbide, self-centering 140° SF point, RH cut




Cut Dia. = h7 tolerance range



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② Application Materials:

Series 2747   Aluminum & Alloys

Series 1047   General Steels/Brass
 Universal Steels

Series 2485   General Steels/Brass
 Universal Steels
 Stainless Steels
 Hardened Materials
 Cast Iron
 Ti & Ni Alloys

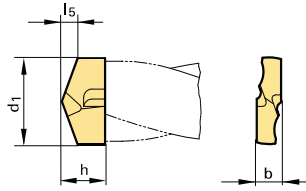
- ① Choose your diameter (metric or inch)
- ② Choose the appropriate insert for your workpiece material
- ③ Note the holder size for that insert diameter; select a holder (3xD, 5xD or 7xD) from the following page.

①					③			
Dia	Dia	h	b	l5	Series 2747	Series 1047	Series 2485	Holder Size
fract.	mm	mm	mm	mm	(bright)	(TiN)	(FIREX®)	
41/64	16.000	8.00	4.50	2.9	9027470160000	9010470160000	9024850160000	0.1
	16.270	8.00	4.50	3.0	9027470162700	9010470162700	9024850162700	
	16.500	8.00	4.50	3.0	9027470165000	9010470165000	9024850165000	
21/32	16.670	8.00	4.50	3.0	9027470166700	9010470166700	9024850166700	0.1
	17.000	8.00	4.50	3.1	9027470170000	9010470170000	9024850170000	
	17.070	8.00	4.50	3.1	9027470170700	9010470170700	9024850170700	
43/64	17.460	8.00	4.50	3.1	9027470174600	9010470174600	9024850174600	0.2
	17.500	8.00	5.00	3.2	9027470175000	9010470175000	9024850175000	
	17.860	8.00	5.00	3.3	9027470178600	9010470178600	9024850178600	
23/32	18.000	8.00	5.00	3.3	9027470180000	9010470180000	9024850180000	1.1
	18.260	8.00	5.00	3.3	9027470182600	9010470182600	9024850182600	
	18.500	8.00	5.00	3.4	9027470185000	9010470185000	9024850185000	
47/64	18.650	8.00	5.00	3.4	9027470186500	9010470186500	9024850186500	1.1
	19.000	8.00	5.00	3.5	9027470190000	9010470190000	9024850190000	
	19.050	8.00	5.00	3.5	9027470190500	9010470190500	9024850190500	
3/4	19.250	8.00	5.00	3.5	9027470192500	9010470192500	9024850192500	1.2
	19.450	8.00	5.00	3.5	9027470194500	9010470194500	9024850194500	
	19.500	8.00	5.00	3.5	9027470195000	9010470195000	9024850195000	
25/32	19.840	8.00	5.00	3.6	9027470198400	9010470198400	9024850198400	1.2
	20.000	8.00	5.00	3.6	9027470200000	9010470200000	9024850200000	
	20.240	8.80	5.50	3.6	9027470202400	9010470202400	9024850202400	
51/64	20.500	8.80	5.50	3.7	9027470205000	9010470205000	9024850205000	2.1
	20.640	8.80	5.50	3.8	9027470206400	9010470206400	9024850206400	
	21.000	8.80	5.50	3.8	9027470210000	9010470210000	9024850210000	
53/64	21.030	8.80	5.50	3.8	9027470210300	9010470210300	9024850210300	2.2
	21.430	8.80	5.50	3.9	9027470214300	9010470214300	9024850214300	
	21.500	8.80	5.50	3.9	9027470215000	9010470215000	9024850215000	
55/64	21.830	8.80	5.50	4.0	9027470218300	9010470218300	9024850218300	2.2
	22.000	8.80	5.50	4.0	9027470220000	9010470220000	9024850220000	
	22.220	8.80	5.50	4.0	9027470222200	9010470222200	9024850222200	
7/8	22.500	8.80	5.50	4.1	9027470225000	9010470225000	9024850225000	

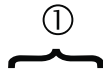
Inserts

Large Diameter
Carbide, self-centering 140° SF point, RH cut

Cut Dia. = h7 tolerance range



Speeds & Feeds
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Dia fract.	Dia mm	h mm	b mm	l5 mm	Series	Series	Series	Holder Size		
					2747 (bright)	1047 (TiN)	2485 (FIREX®)			
57/64	22.620	10.00	6.30	4.1	9027470226200	9010470226200	9024850226200	3.1		
	23.000				9027470230000	9010470230000	9024850230000			
29/32	23.020	10.00	6.30	4.2	9027470230200	9010470230200	9024850230200			
59/64	23.420	10.00	6.30	4.3	9027470234200	9010470234200	9024850234200			
	23.500				9027470235000	9010470235000	9024850235000			
15/16	23.810	10.00	6.30	4.3	9027470238100	9010470238100	9024850238100			
	24.000				9027470240000	9010470240000	9024850240000			
61/64	24.210	10.00	6.30	4.4	9027470242100	9010470242100	9024850242100		3.2	
	24.500				9027470245000	9010470245000	9024850245000			
31/32	24.610	10.00	6.30	4.5	9027470246100	9010470246100	9024850246100			
63/64	25.000	10.00	6.30	4.5	9027470250000	9010470250000	9024850250000			
1	25.400	10.00	6.30	4.6	9027470254000	9010470254000	9024850254000			
	25.500				9027470255000	9010470255000	9024850255000			
26.000	11.60	7.30	7.30	4.7	9027470260000	9010470260000	9024850260000	4.1		
					26.500	9027470265000	9010470265000			9024850265000
					27.000	9027470270000	9010470270000			9024850270000
					27.500	9027470275000	9010470275000			9024850275000
28.000	11.60	7.30	7.30	5.1	9027470280000	9010470280000	9024850280000	4.2		
					28.500	9027470285000	9010470285000		9024850285000	
					29.000	9027470290000	9010470290000		9024850290000	
					29.500	9027470295000	9010470295000		9024850295000	
30.000	13.60	8.50	8.50	5.5	9027470300000	9010470300000	9024850300000	5.1		
					30.500	9027470305000	9010470305000		9024850305000	
					31.000	9027470310000	9010470310000		9024850310000	
					31.500	9027470315000	9010470315000		9024850315000	
					32.000	9027470320000	9010470320000		9024850320000	
					32.500	9027470325000	9010470325000		9024850325000	
33.000	13.60	8.50	8.50	6.0	9027470330000	9010470330000	9024850330000	5.2		
					33.500	9027470335000	9010470335000		9024850335000	
					34.000	9027470340000	9010470340000		9024850340000	
					34.500	9027470345000	9010470345000		9024850345000	
					35.000	9027470350000	9010470350000		9024850350000	
					36.000	9027470360000	9010470360000		9024850360000	
37.000	16.00	10.00	10.00	6.4	9027470370000	9010470370000	9024850370000	6.1		
					37.500	9027470375000	9010470375000		9024850375000	
					38.000	9027470380000	9010470380000		9024850380000	
					39.000	9027470390000	9010470390000		9024850390000	
40.000	16.00	10.00	10.00	7.1	9027470400000	9010470400000	9024850400000	6.2		
					40.500	9027470405000	9010470405000		9024850405000	

*Items listed in red are non-stocked items, and may take 2 - 6 weeks to receive