

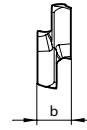
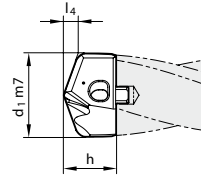
HT 800 WP Interchangeable Insert Drills

Drill inserts for pilot drilling - Series 4111

Carbide, nano-A™ coated

145° point angle, m7 tolerance on diameter

The Series 4105 is a pilot and chamfering tool specifically designed for pilot drilling 7xD and especially 10xD deep hole applications. The Series 4111 insert has a 145° point angle which is required for proper application of a pre-drill pilot operation. This pilot drilling insert is also interchangeable with all other HT 800 WP body series.



Series 4111



②

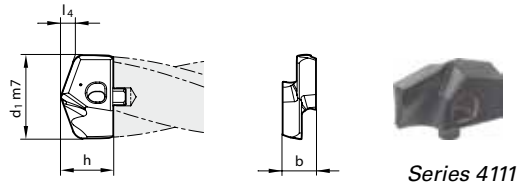
③

Dia fract.	Dia mm	h mm	b mm	l4 mm	Series 4111 nano-A insert	Drill Holder Size	Pilot Drill Holder Size
					EDP No.		
	11.00	6.9	4.5	1.5	9041110110000	110	110
	11.20	6.9	4.5	1.5	9041110112000		
29/64	11.50	6.9	4.5	1.5	9041110115000	115	110
	11.51	6.9	4.5	1.5	9041110115100		
	11.70	6.9	4.5	1.6	9041110117000		
15/32	11.80	6.9	4.5	1.6	9041110118000	120	120
	11.91	6.9	4.5	1.6	9041110119100		
31/64	12.00	7.1	5.0	1.6	9041110120000	125	120
	12.10	7.1	5.0	1.6	9041110121000		
	12.20	7.1	5.0	1.6	9041110122000		
	12.30	7.1	5.0	1.6	9041110123000		
1/2	12.50	7.1	5.0	1.7	9041110125000	130	130
	12.60	7.1	5.0	1.7	9041110126000		
	12.70	7.1	5.0	1.7	9041110127000		
	12.80	7.1	5.0	1.7	9041110128000		
	12.90	7.1	5.0	1.7	9041110129000		
33/64	13.00	7.9	5.5	1.7	9041110130000	135	130
	13.10	7.9	5.5	1.7	9041110131000		
	13.49	7.9	5.5	1.8	9041110134900		
35/64	13.50	7.9	5.5	1.8	9041110135000	140	140
	13.60	7.9	5.5	1.8	9041110136000		
	13.70	7.9	5.5	1.8	9041110137000		
	13.80	7.9	5.5	1.9	9041110138000		
	13.89	7.9	5.5	1.9	9041110138900		
	14.00	9.1	6.0	1.9	9041110140000		
9/16	14.10	9.1	6.0	1.9	9041110141000	145	140
	14.29	9.1	6.0	1.9	9041110142900		
	14.40	9.1	6.0	1.9	9041110144000		
	14.50	9.1	6.0	1.9	9041110145000		
37/64	14.60	9.1	6.0	2.0	9041110146000	150	140
	14.68	9.1	6.0	2.0	9041110146800		
	14.70	9.1	6.0	2.0	9041110147000		
	14.80	9.1	6.0	2.0	9041110148000		
	15.00	9.1	6.0	2.0	9041110150000		
19/32	15.08	9.1	6.0	2.0	9041110150800	155	140
	15.10	9.1	6.0	2.0	9041110151000		
	15.20	9.1	6.0	2.0	9041110152000		
	15.30	9.1	6.0	2.1	9041110153000		
	15.48	9.1	6.0	2.1	9041110154800		
	15.50	9.1	6.0	2.1	9041110155000		
	15.60	9.1	6.0	2.1	9041110156000		
5/8	15.70	9.1	6.0	2.1	9041110157000	160	160
	15.80	9.1	6.0	2.1	9041110158000		
	15.87	9.1	6.0	2.1	9041110158700		
	16.00	10.2	7.0	2.1	9041110160000		
	16.27	10.2	7.0	2.2	9041110162700		
41/64	16.50	10.2	7.0	2.2	9041110165000	165	160
	16.67	10.2	7.0	2.2	9041110166700		

Dia fract.	Dia mm	h mm	b mm	l4 mm	Series 4111 nano-A insert	Drill Holder Size	Pilot Drill Holder Size
					EDP No.		
43/64	17.00	10.2	7.0	2.3	9041110170000	170	160
	17.07	10.2	7.0	2.3	9041110170700		
	17.46	10.2	7.0	2.3	9041110174600		
45/64	17.50	10.2	7.0	2.3	9041110175000	175	160
	17.60	10.2	7.0	2.3	9041110176000		
	17.86	10.2	7.0	2.4	9041110178600		
23/32	18.00	11.7	8.0	2.4	9041110180000	180	180
	18.26	11.7	8.0	2.4	9041110182600		
47/64	18.50	11.7	8.0	2.5	9041110185000	185	180
	18.65	11.7	8.0	2.5	9041110186500		
	19.00	11.7	8.0	2.5	9041110190000		
3/4	19.05	11.7	8.0	2.5	9041110190500	190	180
	19.45	11.7	8.0	2.6	9041110194500		
25/32	19.50	11.7	8.0	2.6	9041110195000	195	180
	19.60	11.7	8.0	2.6	9041110196000		
	19.84	11.7	8.0	2.7	9041110198400		
	20.00	12.9	9.0	2.7	9041110200000		
	20.24	12.9	9.0	2.7	9041110202400		
13/16	20.50	12.9	9.0	2.7	9041110205000	200	200
	20.64	12.9	9.0	2.8	9041110206400		
	21.00	12.9	9.0	2.8	9041110210000		
53/64	21.03	12.9	9.0	2.8	9041110210300	210	200
	21.10	12.9	9.0	2.8	9041110211000		
	21.43	12.9	9.0	2.9	9041110214300		
55/64	21.50	13.9	9.0	3.9	9041110215000	215	200
	21.83	13.9	9.0	4.0	9041110218300		
7/8	22.00	14.3	10.0	3.0	9041110220000	220	220
	22.22	14.3	10.0	3.0	9041110222200		
57/64	22.50	14.3	10.0	3.0	9041110225000	225	220
	22.62	14.3	10.0	3.0	9041110226200		
29/32	23.00	14.3	10.0	3.1	9041110230000	230	220
	23.02	14.3	10.0	3.1	9041110230200		
	23.42	14.3	10.0	3.1	9041110234200		
15/16	23.50	14.3	10.0	3.1	9041110235000	235	220
	23.81	14.3	10.0	3.2	9041110238100		
61/64	24.00	14.7	11.0	3.2	9041110240000	240	240
	24.10	14.7	11.0	3.2	9041110241000		
	24.21	14.7	11.0	3.2	9041110242100		
	24.50	14.7	11.0	3.3	9041110245000		
31/32	24.61	14.7	11.0	3.3	9041110246100	245	240
	25.00	14.7	11.0	3.4	9041110250000		
1	25.40	14.7	11.0	3.4	9041110254000	250	240
	25.50	14.7	11.0	3.4	9041110255000		
1 1/32	26.00	19.40	12.00	4.10	9041110260000	260	260
	26.19	19.40	12.00	4.10	9041110261900		
1 3/64	26.50	19.40	12.00	4.10	9041110265000	265	260
	26.59	19.40	12.00	4.20	9041110265900		
	27.00	19.40	12.00	4.20	9041110270000		

Inserts are supplied with clamping screw, Guhring no. 4071.

HT 800 WP Interchangeable Insert Drills



Dia fract.	Dia mm	h mm	b mm	l4 mm	Series 4111 nano-A insert	Drill Holder Size	Pilot Drill Holder Size
					EDP No.		
1 3/32	27.50	19.40	12.00	4.30	9041110275000	275	260
	27.70	19.40	12.00	4.30	9041110277000		
	27.78	19.40	12.00	4.30	9041110277800		
	28.00	20.10	13.00	4.40	9041110280000	280	280
	28.18	20.10	13.00	4.40	9041110281800		
	28.50	20.10	13.00	4.50	9041110285000		
1 5/32	28.58	20.10	13.00	4.50	9041110285800	285	280
	29.00	20.10	13.00	4.60	9041110290000		
	29.37	20.10	13.00	4.60	9041110293700		
1 11/64	29.50	20.10	13.00	4.60	9041110295000	295	280
	29.77	20.10	13.00	4.60	9041110297700		
	30.00	21.70	14.00	4.70	9041110300000		
1 3/16	30.16	21.70	14.00	4.70	9041110301600	300	300
	30.50	21.70	14.00	4.80	9041110305000		
	30.96	21.70	14.00	4.80	9041110309600		
	31.00	21.70	14.00	4.90	9041110310000	310	300
	31.50	21.70	14.00	4.90	9041110315000		
	31.75	21.70	14.00	4.90	9041110317500		
1 1/4	32.00	22.40	15.00	5.00	9041110320000	320	320
	32.50	22.40	15.00	5.10	9041110325000		
	32.54	22.40	15.00	5.10	9041110325400		
1 9/32	32.94	22.40	15.00	5.10	9041110329400	320	320
	33.00	22.40	15.00	5.20	9041110330000		
	33.34	22.40	15.00	5.20	9041110333400		
1 5/16	33.50	22.40	15.00	5.30	9041110335000	330	320
	34.00	22.40	15.00	5.40	9041110340000		
	34.13	22.40	15.00	5.40	9041110341300		
1 11/32	34.50	22.40	15.00	5.40	9041110345000	340	320
	34.93	22.40	15.00	5.40	9041110349300		
	35.00	22.40	15.00	5.50	9041110350000		
	35.50	22.40	15.00	5.60	9041110355000	350	320
	35.72	22.40	15.00	5.60	9041110357200		
	36.00	23.20	16.00	5.70	9041110360000		
	36.50	23.20	16.00	5.70	9041110365000	360	360
	36.51	23.20	16.00	5.70	9041110365100		
	37.00	23.20	16.00	5.80	9041110370000		
1 15/32	37.31	23.20	16.00	5.80	9041110373100	370	360
	37.50	23.20	16.00	5.90	9041110375000		
	38.00	23.20	16.00	6.00	9041110380000		
1 1/2	38.10	23.20	16.00	6.00	9041110381000	380	360
	38.50	23.20	16.00	6.10	9041110385000		
	39.00	23.20	16.00	6.20	9041110390000		
1 33/64	39.50	23.20	16.00	6.20	9041110395000	390	360
	40.00	23.20	16.00	6.20	9041110400000		

Inserts are supplied with clamping screw, Guhring no. 4071.