



## TYPHOON TA-HTA-4HTA

HIGH PERFORMANCE - GENERAL PURPOSE

🇬🇧 The tool of choice for multi-purpose drilling on ISO P, M, K below 1100 N/mm<sup>2</sup>.

🇮🇹 La soluzione ideale per la foratura di materiali ISO P, M, K sino a 1100 N/mm<sup>2</sup>.

🇩🇪 Die optimale Lösung für das Bohren der Materialien ISO P, M, K bis zu 1100 N/mm<sup>2</sup>.

🇫🇷 La solution idéale pour le perçage de matériaux ISO P, M, K jusqu'à 1100 N/mm<sup>2</sup>.

🇪🇸 La solución ideal para el taladro de materiales ISO P, M, K hasta 1100 N/mm<sup>2</sup>.

🇷🇺 Идеальное решение для сверления материалов по ISO P, M, K до 1100 Н/мм<sup>2</sup>.

INFO
TYPHOON TA-HTA-4HTA
TYPHOON PU-HPU
TYPHOON SUH
TYPHOON ALH
TYPHOON HRC
TYPHOON SUH MINI
TYPHOON HL
C-SD-TA
LFTA
SUTA
HSS-HSS/CO DRILLS
G2
MDTA
HF VH/UP
MEF
ALU
MEX
UH
HSS/CO-HSSP END MILLS
CARBIDE BURRS

	INFO
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## TYPHOON TA-HTA-4HTA

## HIGH PERFORMANCE - GENERAL PURPOSE



### TA-HTA

- Self-centering geometry for accurate holes
- Curved cutting edge for low cutting forces.
- High relief angle: reduces cutting forces, improves chip shape and ejection
- Wide chip pocket: improves chip ejection
- Back taper geometry: improves the cutting performance
- Modified oil holes: improves coolant feed
- Substrate and coating: specifically selected for high wear resistance, long and reliable life



### TA-HTA

- Affûtage autocentré pour un perçage plus précis
- Profil de l'arête ondulé pour faible effort de coupe
- Géométrie de l'arête avec dépouille accentuée pour réduire l'effort de coupe et améliorer la forme et le contrôle des copeaux
- Goujures recourbées et larges pour améliorer l'évacuation des copeaux
- Géométrie du corps avec conicité arrière pour faciliter la coupe
- Trous d'arrosage avec géométrie modifiée pour apporter une lubrification plus importante.
- Substrat et revêtement spécifiques pour garantir durée et fiabilité



### TA-HTA

- Affilatura autocentrante per fori precisi
- Profilo del tagliente ondulato per basso sforzo di taglio
- Geometria del tagliente con spoglia accentuata per ridurre lo sforzo di taglio e migliorare la forma e il controllo dei trucioli
- Gole ricurve e ampie per migliorare l'evacuazione dei trucioli
- Geometria del corpo con conicità posteriore per agevolare l'azione di taglio
- Fori di refrigerazione con geometria modificata per un maggior apporto di refrigerante
- Substrato e rivestimento specifici per garantire durata e affidabilità



### TA-HTA

- Afilado autocentrante para agujeros precisos
- Perfil del filo ondulado, para bajo esfuerzo de corte
- Geometría del filo con salida acentuada para reducir el esfuerzo de corte y mejorar la forma y el control de las virutas
- Ranuras curvadas y amplias para mejorar la evacuación de las virutas
- Geometría del cuerpo con conicidad posterior para facilitar la acción de corte
- Agujeros de refrigeración con geometría modificada para una mayor aportación de refrigerante
- Sustrato y revestimiento específicos para garantizar duración y fiabilidad



### TA-HTA

- Selbstzentrierender Schliff für präzise Bohrungen
- Gewelltes Schneidkantenprofil für geringen Schneiddruck
- Geometrie der Schneidkante mit ausgeprägtem Hinterschliff zur Reduzierung des Schneiddrucks und zur Verbesserung der Späneform und -kontrolle
- Gebogene und breite Nuten zur Verbesserung der Späneabführung
- Geometrie des Körpers mit konischem hinteren Bereich zur Erleichterung des Schnittvorgangs
- Kühlöffnungen mit abgeänderter Geometrie für einen verbesserten Kühlmittelzufluss
- Spezielles Trägermaterial und spezielle Beschichtung zur Gewährleistung von Standzeit und Zuverlässigkeit



### TA-HTA

- Самоцентрирующаяся заточка для сверления отверстий высокой точности
- Закругленный профиль режущей кромки для низких режущий усилий
- Большой угол наклона спиральной канавки для уменьшения сил резания и улучшения условий удаления стружки
- Широкие стружечные канавки для лучшего вывода стружки
- Геометрия с обратным конусом для повышения производительности
- Большие отверстия: увеличена эффективность подвода СОЖ
- Специальное покрытие для повышения стойкости инструмента

INFO

TYPHOON  
TA-HTA-4HTATYPHOON  
PU-HPUTYPHOON  
SUHTYPHOON  
ALHTYPHOON  
HRCTYPHOON  
SUH MINITYPHOON  
HL

C-SD-TA

LFTA

SUTA

HSS-HSS/CO  
DRILLS

G2

MDTA

HF VH/UP

MEE

ALU

MEX

UH

HSS/CO-HSSP  
END MILLSCARBIDE  
BURRS

# 343TA-318N

general purpose, coated (343TA) and uncoated (318N)



343TA



318N

P	M	K	N	S	H
★	☆	☆	☆		
★	☆	☆	☆		

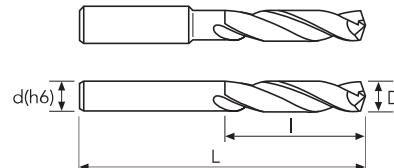
343TA  
318N

★ 1st choice   ☆ suitable

&lt; Ø2 mm



≥ Ø2 mm



343TA				318N					
D(h7)	D Tol.	d(h6)	I	I1	L	EDP No.	Stock	EDP No.	Stock
1.00	0/-0.010	2	6		40	343TA0100	●	P318N0100	●
1.10	0/-0.010	2	7		40	343TA0110	●	P318N0110	●
1.20	0/-0.010	2	8		40	343TA0120	●	P318N0120	●
1.30	0/-0.010	2	8		40	343TA0130	●	P318N0130	●
1.40	0/-0.010	2	9		40	343TA0140	●	P318N0140	●
1.50	0/-0.010	2	9		40	343TA0150	●	P318N0150	●
1.60	0/-0.010	2	10		40	343TA0160	●	P318N0160	●
1.70	0/-0.010	2	10		40	343TA0170	●	P318N0170	●
1.80	0/-0.010	2	11		40	343TA0180	●	P318N0180	●
1.90	0/-0.010	2	11		40	343TA0190	●	P318N0190	●
2.00	0/-0.010	2	12		40	343TA0200	●	P318N0200	●
2.10	0/-0.010	2.1	12		40	343TA0210	●	P318N0210	●
2.20	0/-0.010	2.2	13		40	343TA0220	●	P318N0220	●
2.30	0/-0.010	2.3	13		46	343TA0230	●	P318N0230	●
2.40	0/-0.010	2.4	14		46	343TA0240	●	P318N0240	●
2.50	0/-0.010	2.5	14		46	343TA0250	●	P318N0250	●
2.60	0/-0.010	2.6	14		46	343TA0260	●	P318N0260	●
2.70	0/-0.010	2.7	16		46	343TA0270	●	P318N0270	●
2.80	0/-0.010	2.8	16		49	343TA0280	●	P318N0280	●
2.90	0/-0.010	2.9	16		49	343TA0290	●	P318N0290	●
3.00	0/-0.010	3	16		49	343TA0300	●	P318N0300	●
3.10	0/-0.012	3.1	18		49	343TA0310	●	P318N0310	●
3.20	0/-0.012	3.2	18		49	343TA0320	●	P318N0320	●
3.30	0/-0.012	3.3	18		52	343TA0330	●	P318N0330	●
3.40	0/-0.012	3.4	20		52	343TA0340	●	P318N0340	●
3.50	0/-0.012	3.5	20		52	343TA0350	●	P318N0350	●
3.60	0/-0.012	3.6	20		52	343TA0360	●	P318N0360	●
3.70	0/-0.012	3.7	20		52	343TA0370	●	P318N0370	●
3.80	0/-0.012	3.8	22		55	343TA0380	●	P318N0380	●
3.90	0/-0.012	3.9	22		55	343TA0390	●	P318N0390	●
4.00	0/-0.012	4	22		55	343TA0400	●	P318N0400	●
4.10	0/-0.012	4.1	22		55	343TA0410	●	P318N0410	●
4.20	0/-0.012	4.2	22		55	343TA0420	●	P318N0420	●
4.30	0/-0.012	4.3	24		58	343TA0430	●	P318N0430	●
4.40	0/-0.012	4.4	24		58	343TA0440	●	P318N0440	●
4.50	0/-0.012	4.5	24		58	343TA0450	●	P318N0450	●
4.60	0/-0.012	4.6	24		58	343TA0460	●	P318N0460	●
4.70	0/-0.012	4.7	24		58	343TA0470	●	P318N0470	●
4.80	0/-0.012	4.8	26		62	343TA0480	●	P318N0480	●

● stock standard   ○ non-standard stock   ▽ stock exhaustion

# 343TA-318N

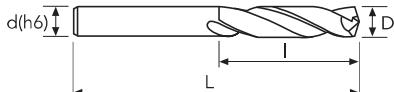
general purpose, coated (343TA) and uncoated (318N)



P	M	K	N	S	H
★	☆	☆	☆		
★	☆	☆	☆		

343TA  
318N

★ 1st choice   ☆ suitable



D(h7)	D Tol.	d(h6)	I	I1	L	343TA		318N	
						EDP No.	Stock	EDP No.	Stock
4.90	0/-0.012	4.9	26		62	343TA0490	●	P318N0490	●
5.00	0/-0.012	5	26		62	343TA0500	●	P318N0500	●
5.10	0/-0.012	5.1	26		62	343TA0510	●	P318N0510	●
5.20	0/-0.012	5.2	26		62	343TA0520	●	P318N0520	●
5.30	0/-0.012	5.3	26		66	343TA0530	●	P318N0530	●
5.40	0/-0.012	5.4	28		66	343TA0540	●	P318N0540	●
5.50	0/-0.012	5.5	28		66	343TA0550	●	P318N0550	●
5.60	0/-0.012	5.6	28		66	343TA0560	●	P318N0560	●
5.70	0/-0.012	5.7	28		66	343TA0570	●	P318N0570	●
5.80	0/-0.012	5.8	28		70	343TA0580	●	P318N0580	●
5.90	0/-0.012	5.9	28		70	343TA0590	●	P318N0590	●
6.00	0/-0.012	6	28		70	343TA0600	●	P318N0600	●
6.10	0/-0.015	6.1	31		70	343TA0610	●	P318N0610	●
6.20	0/-0.015	6.2	31		70	343TA0620	●	P318N0620	●
6.30	0/-0.015	6.3	31		70	343TA0630	●	P318N0630	●
6.40	0/-0.015	6.4	31		70	343TA0640	●	P318N0640	●
6.50	0/-0.015	6.5	31		70	343TA0650	●	P318N0650	●
6.60	0/-0.015	6.6	31		70	343TA0660	●	P318N0660	●
6.70	0/-0.015	6.7	31		70	343TA0670	●	P318N0670	●
6.80	0/-0.015	6.8	34		74	343TA0680	●	P318N0680	●
6.90	0/-0.015	6.9	34		74	343TA0690	●	P318N0690	●
7.00	0/-0.015	7	34		74	343TA0700	●	P318N0700	●
7.10	0/-0.015	7.1	34		74	343TA0710	●	P318N0710	●
7.20	0/-0.015	7.2	34		74	343TA0720	●	P318N0720	●
7.30	0/-0.015	7.3	34		79	343TA0730	●	P318N0730	●
7.40	0/-0.015	7.4	34		79	343TA0740	●	P318N0740	●
7.50	0/-0.015	7.5	34		79	343TA0750	●	P318N0750	●
7.60	0/-0.015	7.6	37		79	343TA0760	●	P318N0760	○
7.70	0/-0.015	7.7	37		79	343TA0770	●	P318N0770	○
7.80	0/-0.015	7.8	37		79	343TA0780	●	P318N0780	●
7.90	0/-0.015	7.9	37		79	343TA0790	●	P318N0790	○
8.00	0/-0.015	8	37		79	343TA0800	●	P318N0800	●
8.10	0/-0.015	8.1	37		79	343TA0810	●	P318N0810	●
8.20	0/-0.015	8.2	37		79	343TA0820	●	P318N0820	●
8.30	0/-0.015	8.3	37		84	343TA0830	●	P318N0830	●
8.40	0/-0.015	8.4	37		84	343TA0840	●	P318N0840	○
8.50	0/-0.015	8.5	37		84	343TA0850	●	P318N0850	●
8.60	0/-0.015	8.6	40		84	343TA0860	●	P318N0860	●
8.70	0/-0.015	8.7	40		84	343TA0870	●	P318N0870	●

● stock standard   ○ non-standard stock   ▽ stock exhaustion

- INFO
- TYPHOON TA-HTA-4HTA
- TYPHOON PU-HPU
- TYPHOON SUH
- TYPHOON ALH
- TYPHOON HRC
- TYPHOON SUH MINI
- TYPHOON HL
- C-SD-TA
- LFTA
- SUTA
- HSS-HSS/CO DRILLS
- G2
- MDTA
- HF VH/UP
- MEF
- ALU
- MEX
- UH
- HSS/CO-HSS END MILLS
- CARBIDE BURRS

INFO

TYPHOON  
TA-HTA-4HTATYPHOON  
PU-HPUTYPHOON  
SUHTYPHOON  
ALHTYPHOON  
HRCTYPHOON  
SUH MINITYPHOON  
HL

C-SD-TA

LFTA

SUTA

HSS-HSS/CO  
DRILLS

G2

MDTA

HF VH/UP

MEF

ALU

MEX

UH

HSS/CO-HSSP  
END MILLSCARBIDE  
BURRS

# 343TA-318N

general purpose, coated (343TA) and uncoated (318N)



343TA



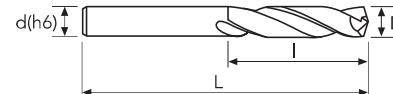
318N

P	M	K	N	S	H
★	☆	☆	☆		
★	☆	☆	☆		

343TA

318N

★ 1st choice   ☆ suitable



D(h7)	D Tol.	d(h6)	I	I1	L	EDP No.	Stock	EDP No.	Stock
<b>8.80</b>	0/-0.015	8.8	40		84	343TA0880	●	P318N0880	●
<b>8.90</b>	0/-0.015	8.9	40		84	343TA0890	●	P318N0890	○
<b>9.00</b>	0/-0.015	9	40		84	343TA0900	●	P318N0900	●
<b>9.10</b>	0/-0.015	9.1	40		84	343TA0910	●	P318N0910	○
<b>9.20</b>	0/-0.015	9.2	40		84	343TA0920	●	P318N0920	●
<b>9.30</b>	0/-0.015	9.3	40		89	343TA0930	●	P318N0930	●
<b>9.40</b>	0/-0.015	9.4	40		89	343TA0940	●	P318N0940	○
<b>9.50</b>	0/-0.015	9.5	40		89	343TA0950	●	P318N0950	●
<b>9.60</b>	0/-0.015	9.6	43		89	343TA0960	●	P318N0960	○
<b>9.70</b>	0/-0.015	9.7	43		89	343TA0970	●	P318N0970	○
<b>9.80</b>	0/-0.015	9.8	43		89	343TA0980	●	P318N0980	●
<b>9.90</b>	0/-0.015	9.9	43		89	343TA0990	●	P318N0990	○
<b>10.00</b>	0/-0.015	10	43		89	343TA1000	●	P318N1000	●
<b>10.20</b>	0/-0.018	10.2	43		89	343TA1020	●	P318N1020	●
<b>10.50</b>	0/-0.018	10.5	43		95	343TA1050	●	P318N1050	●
<b>11.00</b>	0/-0.018	11	47		95	343TA1100	●	P318N1100	●
<b>11.50</b>	0/-0.018	11.5	47		102	343TA1150	●	P318N1150	●
<b>12.00</b>	0/-0.018	12	51		102	343TA1200	●	P318N1200	●
<b>12.50</b>	0/-0.018	12.5	51		103	343TA1250	●	P318N1250	●
<b>13.00</b>	0/-0.018	13	51		103	343TA1300	●	P318N1300	●
<b>13.50</b>	0/-0.018	13.5	54		107	343TA1350	●		
<b>14.00</b>	0/-0.018	14	54		107	343TA1400	●		
<b>14.50</b>	0/-0.018	14.5	56		111	343TA1450	●		
<b>15.00</b>	0/-0.018	15	56		111	343TA1500	●		
<b>15.50</b>	0/-0.018	15.5	58		115	343TA1550	●		
<b>16.00</b>	0/-0.018	16	58		115	343TA1600	●		

● stock standard   ○ non-standard stock   ▽ stock exhaustion