



TYPHOON HRC

HIGH PERFORMANCE - HARDENED STEEL 45÷62 HRC

✚ Reliable high precision drills for hardened steel 45÷62 HRC.

🇮🇹 Punte ad alta precisione per la foratura di acciai temprati 45÷62 HRC.

🇩🇪 Hohe Präzision und zuverlässige Bohrungen für gehärteten Stahl 45÷62 HRC.

🇫🇷 Forets haute précision et fiables pour acier trempé 45÷62 HRC.

🇪🇸 Brocas de alta precisión para aceros templados 45÷62 HRC.

🇷🇺 Высокоточные и высокопроизводительные сверла для обработки сталей с твердостью 45÷62 HRC.

INFO

TYPHOON
TA-HTA-4HTA

TYPHOON
PU-HPU

TYPHOON
SUH

TYPHOON
ALH

TYPHOON
HRC

TYPHOON
MINI SUH

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

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- Drills for hardened steel 45÷62 HRC
- Self-centering geometry: high accurate holes
- Straight and reinforced edge: high stability and chipping resistance
- 45° chamfer: edge corners protection
- Thicker web: high rigidity and stability
- 15° helix angle: low helix for higher rigidity
- Substrate and coating: specifically selected for high wear resistance, long and reliable life



- Forets pour aciers trempés 45÷62 HRC
- Affûtage autocentré pour l'exécution de trous précis
- Profil de l'arête droit et renforcé
- Géométrie des angles : protection avec biseau à 45°
- Cœur très épais pour garantir rigidité et stabilité
- Angle de l'hélice à 15° : angle peu accentué pour une solidité maximale
- Substrat et revêtement spécifiques pour garantir durée et fiabilité



- Punta per acciai temprati 45÷62 HRC
- Affilatura autocentrante per l'esecuzione di fori precisi
- Profilo del tagliente diritto e rinforzato
- Geometria degli spigoli: protezione con smusso a 45°
- Nocciolo molto spesso per garantire rigidità e stabilità
- Angolo dell'elica a 15°: angolo poco accentuato per massima robustezza
- Substrato e rivestimento specifici per garantire durata e affidabilità



- Brocas para aceros templados 45÷62 HRC
- Geometría autocentrante para la realización de agujeros precisos
- Perfil del filo recto y reforzado
- Geometría de las bordes: protección con redondeo a 45°
- Núcleo muy grueso para garantizar rigidez y estabilidad
- Ángulo de la hélice a 15°: ángulo poco accentuado para la máxima resistencia
- Substrato y revestimiento específicos para garantizar duración y fiabilidad



- Bohrer für gehärteten Stahl 45-62 HRC
- Selbstzentrierender Schliff für die Herstellung von präzisen Bohrungen
- Gerades und verstärktes Schneidkantenprofil
- Geometrie der Kanten: Schutzfase mit 45°
- Sehr starker Kern zur Gewährleistung von Steifigkeit und Stabilität
- Anstellwinkel 15°: geringer Winkel für maximale Robustheit
- Spezielles Trägermaterial und spezielle Beschichtung zur Gewährleistung von Standzeit und Zuverlässigkeit



- Свёрла для закалённой стали 45÷62 HRC
- Самоцентрирующа геометрия: высокая точность отверстий
- Прямые усиленные кромки: высокая стабильность резания и предотвращение пакетирования
- Фаска 45°: защита кромок
- Утолщенная сердцевина: высокая жесткость и стабильность
- Угол наклона винтовой канавки 15°: маленький угол для высокой жесткости
- Специальное покрытие для повышения стойкости инструмента

353HRC

hardened steel 45±62 HRC



3XD

DIN
6537K

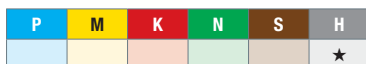
HRC

MG
PV1000

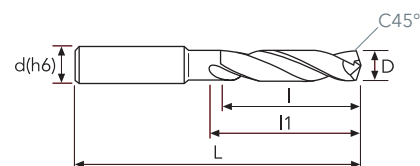
45±62
HRC

150°±C45°

15°



★ 1st choice ☆ suitable



D(h7)	D Tol.	d(h6)	l	l1	L	EDP No.	Stock
2.60	0/-0.010	6	14	20	62	353HRC0260	●
3.00	0/-0.010	6	14	20	62	353HRC0300	●
3.30	0/-0.012	6	14	20	62	353HRC0330	●
3.40	0/-0.012	6	14	20	62	353HRC0340	●
3.50	0/-0.012	6	14	20	62	353HRC0350	●
3.70	0/-0.012	6	14	20	62	353HRC0370	●
3.80	0/-0.012	6	17	24	66	353HRC0380	●
4.00	0/-0.012	6	17	24	66	353HRC0400	●
4.10	0/-0.012	6	17	24	66	353HRC0410	●
4.20	0/-0.012	6	17	24	66	353HRC0420	●
4.30	0/-0.012	6	17	24	66	353HRC0430	●
4.50	0/-0.012	6	17	24	66	353HRC0450	●
4.60	0/-0.012	6	17	24	66	353HRC0460	●
4.80	0/-0.012	6	20	28	66	353HRC0480	●
5.00	0/-0.012	6	20	28	66	353HRC0500	●
5.10	0/-0.012	6	20	28	66	353HRC0510	●
5.20	0/-0.012	6	20	28	66	353HRC0520	●
5.30	0/-0.012	6	20	28	66	353HRC0530	●
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5.60	0/-0.012	6	20	28	66	353HRC0560	●
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6.10	0/-0.015	8	29	41	79	353HRC0610	●
6.20	0/-0.015	8	29	41	79	353HRC0620	●
6.50	0/-0.015	8	29	41	79	353HRC0650	●
6.80	0/-0.015	8	29	41	79	353HRC0680	●
6.90	0/-0.015	8	29	41	79	353HRC0690	●
7.00	0/-0.015	8	29	41	79	353HRC0700	●
7.40	0/-0.015	8	29	41	79	353HRC0740	●
7.50	0/-0.015	8	29	41	79	353HRC0750	●
7.80	0/-0.015	8	29	41	79	353HRC0780	●
8.00	0/-0.015	8	29	41	79	353HRC0800	●
8.10	0/-0.015	10	35	47	89	353HRC0810	●
8.20	0/-0.015	10	35	47	89	353HRC0820	●
8.50	0/-0.015	10	35	47	89	353HRC0850	●
8.60	0/-0.015	10	35	47	89	353HRC0860	●
8.70	0/-0.015	10	35	47	89	353HRC0870	●
8.80	0/-0.015	10	35	47	89	353HRC0880	●
9.00	0/-0.015	10	35	47	89	353HRC0900	●

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● stock standard ○ non-standard stock ▽ stock exhaustion

353HRC

	Material Group ISO 513	H1 H4			H2			H3			H5		
	Hardness/Rm	50-56 HRC			54-62 HRC			< 62 HRC			48-55 HRC		
	Vc (m/min)	15-25			12-18			8-12			20-30		
	D (mm)	n (rpm)	fn (mm/rev)	Vf (mm/min)	n (rpm)	fn (mm/rev)	Vf (mm/min)	n (rpm)	fn (mm/rev)	Vf (mm/min)	n (rpm)	fn (mm/rev)	Vf (mm/min)
3	2120	0.020	40	1590	0.017	30	1060	0.013	10	2650	0.020	50	
4	1590	0.030	50	1190	0.026	30	800	0.020	20	1990	0.030	60	
5	1270	0.040	50	960	0.034	30	640	0.026	20	1590	0.040	60	
6	1060	0.050	50	800	0.043	30	530	0.033	20	1330	0.050	70	
7	910	0.060	50	680	0.051	30	450	0.039	20	1140	0.060	70	
8	800	0.070	60	600	0.060	40	400	0.046	20	1000	0.070	70	
9	710	0.080	60	530	0.068	40	350	0.052	20	880	0.080	70	
10	640	0.090	60	480	0.077	40	320	0.059	20	800	0.090	70	
11	580	0.100	60	430	0.085	40	290	0.065	20	720	0.100	70	
12	530	0.110	60	400	0.094	40	270	0.072	20	660	0.110	70	
13	490	0.120	60	370	0.102	40	240	0.078	20	610	0.120	70	
14.2	450	0.130	60	340	0.111	40	230	0.085	20	570	0.130	70	

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