

SPOT DRILL

High quality multipurpose system

Application



- Spotting
- Engraving
- V-Grooving
- Chamfering

- Spotting
- Gravieren
- V-Nut
- Anfasen

- Spotting
- Incisione
- Scanalatura a V
- Smussatura

- Pointage
- Gravure
- Rainurage en V
- Chanfreinage

Application range - ISO 513



Features and benefits

- Highly universal system for chamfering, engraving, spot drilling and V slot milling
- Versatile and easy to use.
- Inserts available with different radii and for diverse workpiece materials.

- Sehr universelles System zum Anfasen, Gravieren, Zentrierbohren und Punktbohren oder Fräsen von V Nuten.
- Komfortabel in der Anwendung und sehr flexibel.
- Wendeschneidplatten mit verschiedenen Radien und für die Anwendung mit verschiedenen Materialien erhältlich.

- Sistema altamente universale per smussature, incisioni, esecuzione di centrini e fresatura di cave a V.
- Versatile e facile da utilizzare.
- Inserti disponibili con diversi raggi e per applicazione su diversi materiali.

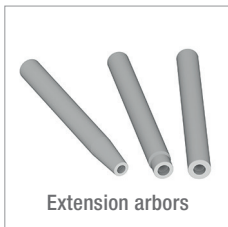
- Système hautement universel pour le chanfreinage, la gravure, centrage et rainures en V
- Polyvalent et simple d'utilisation
- Plaquettes disponibles en différents rayons et pour diverses applications matières

SPOT DRILL

High quality multipurpose system

Drilling holders

- Cylindrical shank and screw-on types.
 - Drilling diameter range: from 2.4mm to 14mm
 - Smart kit including 1 holder + 4 inserts.
 - Extension arbors (steel/carbide 10xD)
- Zylindrische Aufnahme und Gewindeaufnahme
 - Max. Bohrdurchmesser 14 mm, min. Bohrdurchmesser 2,4 mm
 - Smart-Kit mit 1 Werkzeughalter und 4 Wendschneidplatten erhältlich.
 - Erweiterungshülsen (Stahl/Carbon 10xD)
- Attacco cilindrico e attacco filettato
 - Gamma di foratura: da 2.4mm a 14mm
 - Disponibile Smart kit con 1 portautensile e 4 inserti.
 - Prolunghe (acciaio/metallo duro 10xD)
- Queue cylindrique et embout vissé
 - Diamètre de perçage maximum 14 mm, diamètre de perçage minimum 2,4 mm
 - Kit de démarrage disponible avec 1 porte-outil et 4 plaquettes.
 - Rallonge (acier/carbure 10xD)



Inserts

- Available R03/08 for PMK, R04/08 for aluminium
 - PVD coated carbide (ISO P, M, K, S) or uncoated carbide (ISO N)
 - Geometries: GP, AL
- R03/08 erhältlich für PMK, R04/08 für Aluminium
 - PVD-beschichtete Hartmetallqualitäten (ISO P, M, K, S) oder unbeschichtete Qualitäten für ISO-Materialien N
 - Geometrien: GP, AL
- Disponibile R03/08 per PMK, R04/08 per alluminio
 - Gradi in metallo duro rivestito (ISO P, M, K, S) e non rivestito (ISO N)
 - Geometrie: GP, AL
- Disponible R03/08 pour PMK, R04/08 pour aluminium
 - Nuances carbure revêtues PVD (ISO P, M, K, S) ou nuances non revêtues pour matériaux ISO N
 - Géométries : GP, AL

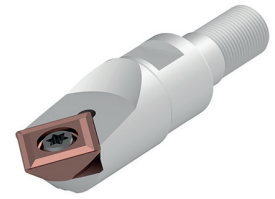
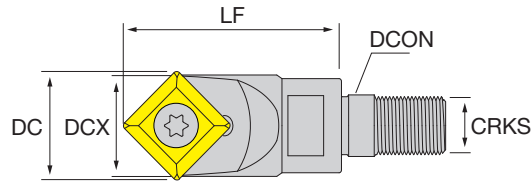


NT-SPOT

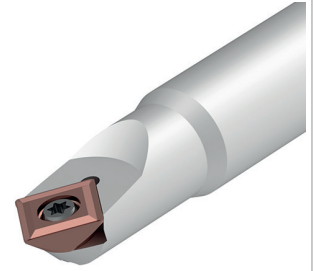
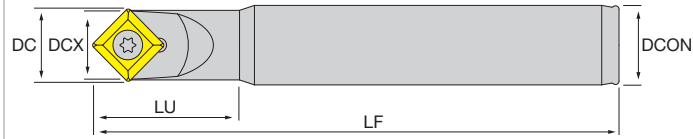
SPOT drill

- Spot drill system with SPOT inserts
- Multifunctional system for maximum versatility
- Inserts cannot be mounted on DRS drills or ChamferSquare milling holders

Screw-in



Cylindrical



Designation	DC	CIC2	DCON	LF	CRKS	WT	MIID				Stock
NT-SPOT D14-M08-L052	14	1	8.5	35	M8	-	SPOT11				●
NT-SPOT D14-S16-L100	14	1	16	100	30	-	SPOT11				●

★ 1st choice, ☆ suitable, ● stock standard, ◎ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

Spare parts	Insert screw	Flag wrench
NT-SPOT D14-000-L000	NT-ST35080T15	NT-FTB15

INDEXABLE

A - TURNING

B - THREADING

C - GROOVING

D - MILLING

E - DRILLING

F - ACCESSORIES

G - SPARE PARTS

INDEXABLE

A - TURNING

B - THREADING

C - GROOVING

D - MILLING

E - DRILLING

F - ACCESSORIES

G - SPARE PARTS

ISO 513	MATERIAL	HARDNESS HB	JP8725				
			min	start	max		
P1 - P2	Free cutting steel and low carbon (ex. 1.0715/9 smn 28/avp, 1.0503/c45)	≤ 200	120	180	240		
P3 - P4	Medium and high alloy steel (ex. 1.7225/42 CrMo 4, 1.3505/100 Cr 6)	200 ÷ 300	100	150	200		
P5 - P6	High tensile strength and tool steel (ex. 1.2344/X 40 CrMoV 5 1/ORVAR, Hardox400®)	300 ÷ 400	80	120	160		
ISO 513	MATERIAL	HARDNESS HB	JP9535				
			min	start	max		
P7	Ferritic and martensitic stainless steel (ex. 1.4021/X 20 Cr 13/AISI420)	≤ 200	80	120	160		
P8	Precipitation hardening stainless steel (ex. 1.4548/X 5 CrNiCuNb 17 4/17-4-PH)	≤ 450	60	90	120		
M1	Austenitic stainless steel (ex. 1.4305/X 10 CrNiS 18 9/AISI303)	> 200	80	120	160		
M2 - M3	Austenitic and Duplex stainless steel (ex. 1.4401/X 5 CrNiMo 17 12 2/AISI316)		60	100	140		
ISO 513	MATERIAL	HARDNESS HB	JP7525				
			min	start	max		
K1	Grey cast iron (ex. 0.6025/GG 25/EN-GJL-250)	150 ÷ 250	100	130	160		
K2	Nodular cast iron (ex. 0.7050/GGG 50/EN-GJS-500-7)	150 ÷ 350	100	110	120		
ISO 513	MATERIAL	HARDNESS HB	JU6520				
			min	start	max		
N1	Aluminium alloys ≤ Si 12% (ex. 3.4365/AlZn5.5MgCu/ERGA)		240	320	400		
N2	Aluminium alloys Si > 12% (ex. 3.2382/G-AlSi12)		160	230	300		

Complete workpiece materials p. H1.