

# DURABIT

## Paper Drill Bits



The advancement of the Paper Drilling to the semi and fully automatic machines has resulted in the requirement for Paper Drills of the highest quality and performance.

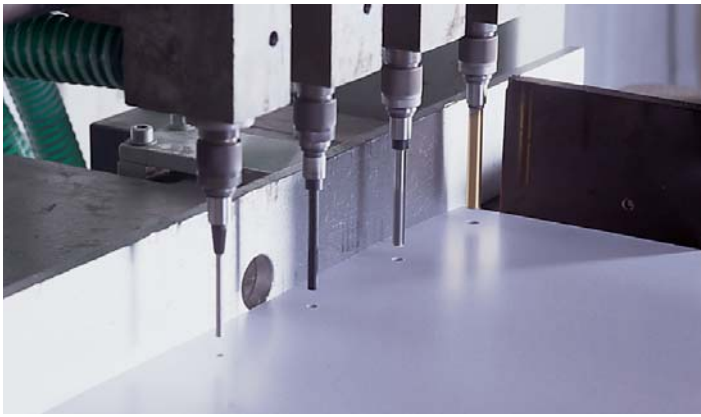
The DURABIT range of Paper Drill Bits has been developed, using the latest technology, to give optimum drilling performance and life when converting a wide range of papers, boards and laminates ideally suited for today's print finishers.

## APPLICATION

- DURABIT Paper Drill Bits suit a large range of Paper Drill machines.
- The diameter of the Paper Drill Bits can be matched to the size of the required hole.
- DURABIT Paper Drill Bits are suitable for use on manual, semi-automatic and automatic drilling machines including single and multi-headed drills.

## RANGE

- DURABIT Paper Drill Bits are available in:
  1. Eight main styles which suit most of the paper drilling machines manufactured worldwide.
  2. OEM specifications in terms of size and material are used for the manufacture of DURABIT Paper Drill Bits.
  3. DURABIT Paper Drill Bits are manufactured in both metric and imperial measurements according to the origin of the machine and market.
  4. DURABIT Paper Drill Bits are manufactured in dimensions from 2.0mm to 22mm and from 1/8" to 1/2" with grooves, recesses, drilling depths specially and individually manufactured.
  5. The following range of Paper Drill Bits suit paper, board and laminate applications:
    - Standard HSS steel** – Suitable for use on 90% of all drilling applications.
    - The following special surface treatments are available on all styles and size of DURABIT Paper Drill Bits.
      - Tungsten Carbide Detonation** – A long life drill suitable for drilling heavy board or recycled papers. The deposit of the Tungsten Carbide on the outside of the drill helps to reduce wear and the cutting edge remains sharp for a longer time.
      - Teflon Coated** – Reduces frictional heat build-up when drilling light plastic laminated work. The Teflon acts as a lubrication on the surface of the drill which reduces melting of the plastic due to friction heat reduction.
      - Titanium Coating** – The ultimate hard wearing drills suitable for heavy boards, recycled papers and laminated materials. The coating of Titanium is both hard wearing and resists frictional heat build-up.
  6. DURABIT paper Punches also available in a range of sizes to suit paper punching applications.



## QUALITY

- DURABIT Paper Drill Bits are manufactured in one specially developed HSS tool steel.
- Both outside and inside diameters are treated with a special abrasive compound giving a smooth finished surface. This helps to reduce resistance as the drill passes through the paper and also assists the drilled waste to pass up through the centre of the drill stem.
- Razor sharp finished cutting edge and wax coated for protection until the drill is required for use.
- Diameter of the drill is clearly etched on the drill collar.

## AVAILABILITY

- The following table lists specifications and sizes available in all models:

PCS Reference	Machine	Drill Diameter (mm)A	Collar Diameter B	Drilling Length C	Overall Length D		
DB	Standard	2mm	11mm	22mm	56mm		
		2.5mm	11mm	24mm	58mm		
		3-3.5mm	11mm	32/30/32mm	68/75/85mm		
		4.5mm	11mm	40mm	85mm		
		5-10mm	11mm	50mm	85mm		
		9-15mm	16mm	50mm	85mm		
		15-19mm	16mm	60mm	75mm		
		20-22mm	24mm	60mm	75mm		
DBI	IRAM	4-10mm	11mm	65mm	100mm		
DBC	Challenge	1/8"	18.5mm Tapered	28mm	79mm		
		5/32"	18.5mm Tapered	35mm	79mm		
		3/16"	18.5mm Tapered	50mm	79mm		
		7/32"-1/2"	18.5mm Tapered	55mm	79mm		
DBL	LIHIT	3-8mm	11mm Tapered	25mm	52mm		
DBLM	LIHIT Major	3-3.5mm	11mm Tapered	30mm	80mm		
		4-4.5mm	11mm Tapered	40mm	80mm		
		5-8mm	11mm Tapered	50mm	80mm		
		9-10mm	11mm Tapered	40mm	80mm		
DBS	SOAG	3mm	14mm	30mm	90mm		
		4mm	14mm	40mm	90mm		
		5-12mm	14mm	50mm	90mm		
DBDL	Lawson	1/8"	12.7mm	32mm	89mm		
		5/32"	12.7mm	35mm	89mm		
		3-16"	12.7mm	50mm	89mm		
		7/32"	12.7mm	55mm	89mm		
		1/4"	12.7mm	55mm	89mm		
		9/32"	12.7mm	55mm	89mm		
		5/16"	12.7mm	55mm	89mm		
		11/32"	12.7mm	55mm	89mm		
		3/8"	12.7mm	55mm	89mm		
		13/32"	12.7mm	55mm	89mm		
		7/16"	12.7mm	55mm	89mm		
		1/4"	12.7mm	67mm	101mm		
		9-32"	12.7mm	67mm	101mm		
		5/16"	12.7mm	67mm	101mm		
		DBMD	Multidriller	3mm	13mm	30mm	85mm
				4mm	13mm	50mm	85mm
5mm	13mm			50mm	85mm		
5.5mm	13mm			50mm	85mm		
6mm	13mm			50mm	85mm		
6.5mm	13mm			50mm	85mm		
7mm	13mm			50mm	85mm		
8mm	13mm			50mm	85mm		
5mm	13mm			65mm	100mm		
6mm	13mm			65mm	100mm		

## DURABIT PAPIERBOHRER

Die DURABIT Papierbohrerreihe wurde unter Inanspruchnahme der neuesten Techniken entwickelt, um eine optimale Bohrleistung und Lebensdauer bei gleichzeitigem Verarbeiten eines breiten Sortiments an Papieren, Kartonagen und Laminaten zu ermöglichen und ist damit ideal fuer die heutigen papierverarbeitenden Betriebe geeignet.

Standard Werkzeugstahl - passt zu 90% aller Bohranwendungen  
 Tungsten Carbide Detonation: Ein Papierbohrer mit langer Lebensdauer speziell fuer das Bohren schwerer Kartonage oder wiederverwerteten Papiers. Die Beschichtung auf der aeusseren Oberflaeche des Papierbohrers traegt dazu bei, das Abnutzen zu verringern und die Schneidekante laenger scharf zu halten.  
 Teflonbeschichtung: das Teflon macht die Oberflaeche des Papierbohrers geschmeidiger, so dass das Schmelzen des Kunststofflaminates aufgrund spannungsbedingter Hitze reduziert wird.

Titaniumbeschichtung: die Titaniumbeschichtung hat eine lange Lebensdauer und widersteht gleichzeitig Hitzeaufbau.  
 Sowohl Innen- als auch Aussendurchmesser werden mit einer speziellen Schleifmittel-Komponente behandelt, um dem Papierbohrer eine glatt gearbeitete Oberflaeche zu geben.  
 Rasierklingenscharf gefertigte Schneidekanten / Wachsbeschichtung zum Schutz des Bohrers, bis er zum Einsatz kommt

## DURABIT BROCAS TALADRO PAPEL

La gama de Taladros de Papel DURABIT se ha desarrollado, utilizando la tecnología mas avanzada, para dar un funcionamiento y vida óptimo del taladro para el proceso de conversión de una amplia gama de papeles, cartón y laminados idealmente adaptados a los acabados de hoy.

Acero estandar: apropiado para el uso en 90% de las aplicaciones de taladrar  
 Tratamiento en Carburo de Tungsteno - Una broca de vida larga - apropiada para taladrar carton pesado o papeles reciclados - ayuda a reducir el deterioro y el borde permanence afilado durante más tiempo.

Tratamiento en Teflón - reduce la acumulación del calor friccional cuando esta taladrando trabajos de láminas plásticas ligeras - actua como lubricante sobre la superficie de la broca  
 Tratamiento en Titanio - la Broca de Taladro más dura apropiada para cartones pesados, papels reciclados y materiales laminados. Ambos diametros, externo e interno, son tratados con un compuesto abrasivo especial para dar una superficie de acabado liso  
 Con borde cortante muy afilado y cubierto con cera protectora.

## DURABIT MECHE DE FOREUSES

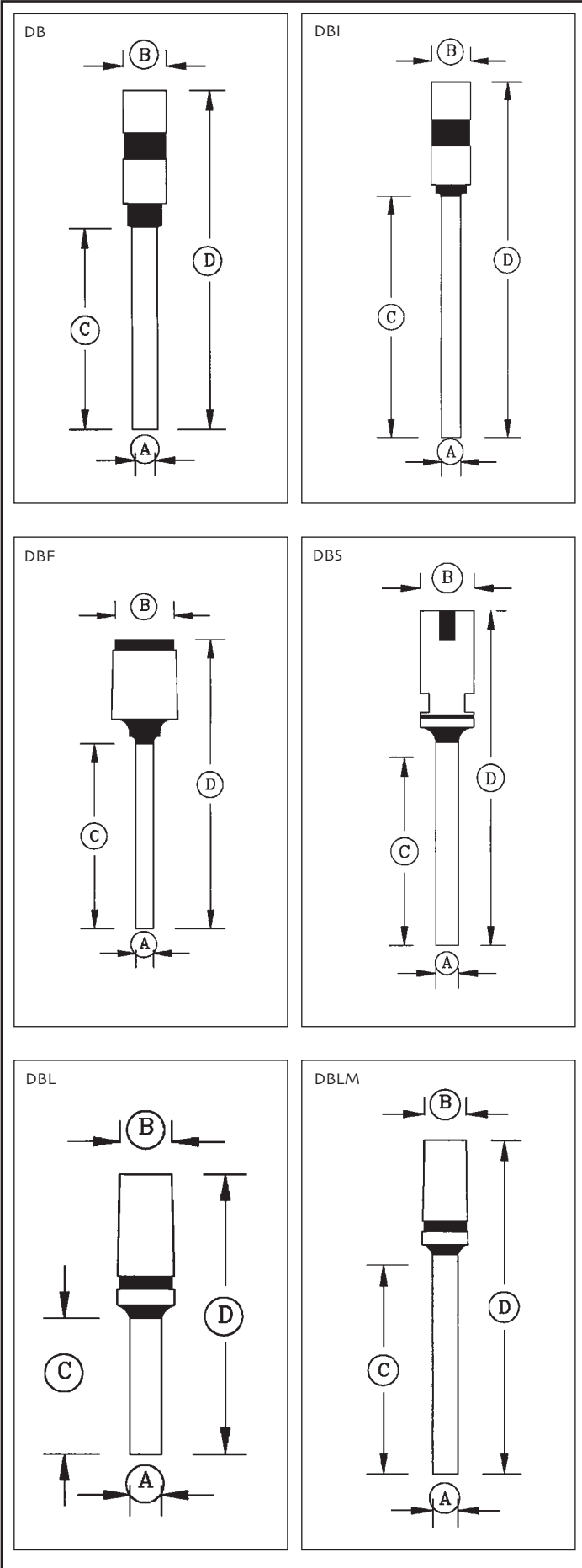
La gamme DURABIT de mèches de foreuses a été développée, en utilisant une technologie de pointe, afin d'assurer une performance et un temps d'utilisation optimal lors de la conversion de papiers, cartons et papiers plastifiés pour la finition.

Acier standard - pour utilisation sur 90% des travaux  
 Carbure de tungstène - revêtement de longue durée convennant au percement de carton épais ou de papier recyclé. Le dépôt de carbure de tungstène à l'extérieur de la foreuse protège plus longtemps le tranchant contre tout dommage.

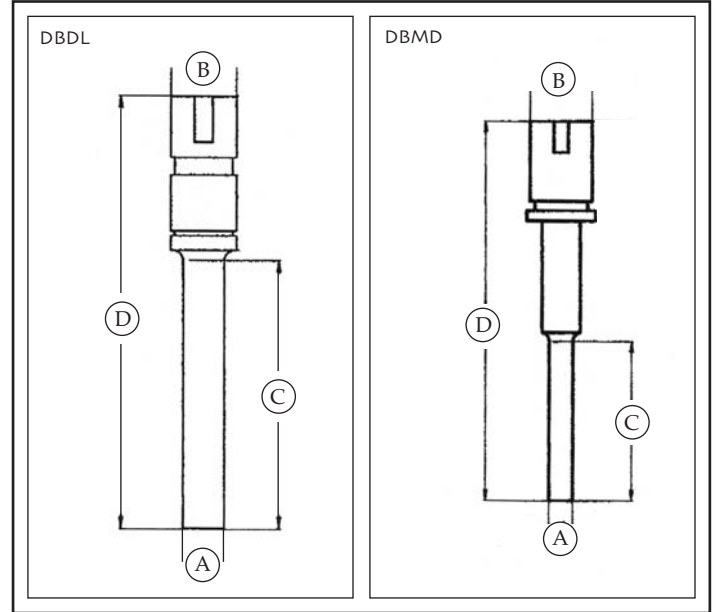
Téflon - revêtement réduisant la montée de chaleur causée par la friction sur des papiers légèrement plastifiés. Le téflon sert comme lubrifiant

Titane - revêtement durable convennant à l' utilisation sur cartons épais, papiers recyclés et matériaux plastifiés  
 Les diamètres intérieurs et extérieurs sont traités avec un composé abrasif spécial, créant une surface lisse et polie  
 Les bords sont très aiguisés et sont revêtis de cire pour protection avant usage.

**DURABIT STYLES**



**DRILL BIT STYLES**



**DURABIT ACCESSORIES**



DSL  
LIHIT ORIGINAL

DRILL SHARPENER



DS  
MACHINE TABLE STYLE

DRILL SHARPENER