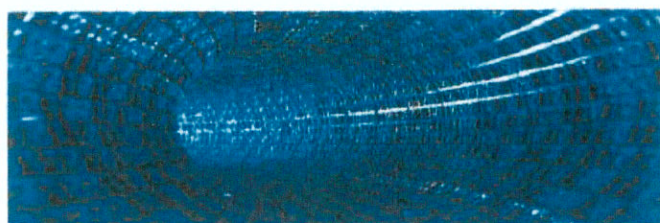
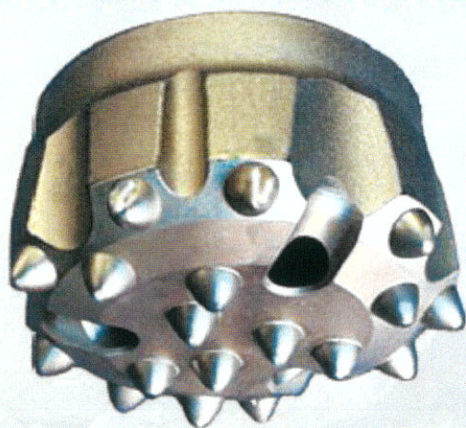
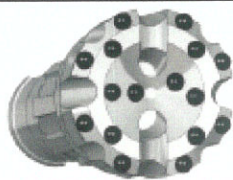


MECTUBI S.R.L.

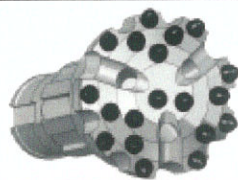


Punte fondo foro

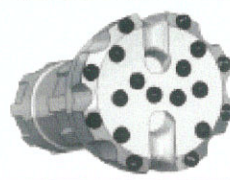




Concave Face Design



Convex Face Design



Flat Face Design



Oilfield Face Design

Choosing a Downhole Drill Bit

Concave Face - For medium soft to medium hard rock conditions in consolidated ground conditions in medium abrasivity rock. Front face grooves provide excellent cuttings removal and the concave center provides optimal hole straightness. The concave design is the most common bit shape.

Convex Face - For medium soft to medium hard rock in good ground conditions where maximum penetration rate is desired. The convex design will handle abrasive formations better than a concave or flat design. The convex design also enables the use of greater insert density for aggressive spherical, conical or ballistic inserts for high productivity in softer rock.

Flat Face - For hard rock formations where a very durable head is required. The flat face design is very stable and forgiving in fractured, voided or unconsolidated formations. The flat face design also handles abrasive formations well. Some models are available with face slots for improved hole cleaning.

Oilfield Face - A combination of convex and concave designs, the oilfield head provides the benefits of both in all applications. The second gage row shares the high loads on the gage inserts preserving life and reducing wear. The center cone provides stability and straightness. Additionally, the dual gage provides ample room for extra inserts to provide longer service life.

Product codes are valuable tool to describe and identify the product.

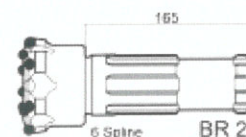
Bit type	Bit Diameter(mm)	Shank design	Front design	Flushing holes	Button configuration
1=Buttonbit	140 = 140 mm	51=DHD350	0=Concave	2=2 Holes	1=Spherical
			1=Convex	3=3 Holes	2=Ballistic
			2=Flat		3=Parabolic
			3=Oilfield		4=Sph + Parab
Example: DTH BIT D 140 - DHD 350 - Convex Face - 3 Holes - Spherical and Parabolic Buttons					
1	140	51	1	3	4

Shank Codes

BR1=11	BR2=21	BR3=31	COP32=32	COP34=34	DHD3.5=35
COP42=42	DHD340=44	QL40=40	SD4=46	DHD350=54	QL50=55
SD5=56	DHD360=64	QL60=65	SD6=66	DHD380=80	QL80=81
SD8=82	SD10=85	DHD112=90	SD12=91	N120=92	N125=93

Other Shank and face design on request

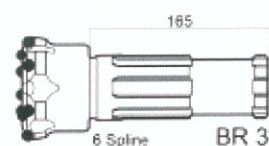
BR2 Shank



CONVEX FACE – FLAT FACE

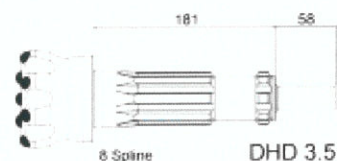
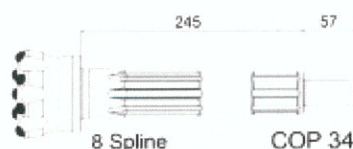
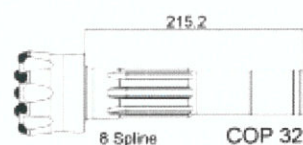
Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
70	2 ¾"	2	6 x 10	3 x 10	2 x 10		2.3
76	3"	2	6 x 10	3 x 10	2 x 10		2.6

BR3 Shank



CONVEX FACE – FLAT FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
80	3 3/4"	2	6 x 12	3 x 12	2 x 12		3.5
90	3"	2	8 x 12	4 x 12	2 x 12		3.7
95	3 3/4"	2	8 x 12	4 x 12	2 x 12		3.9

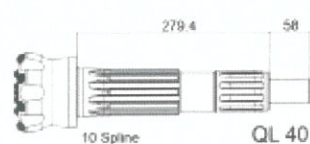
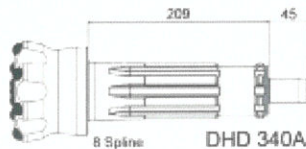
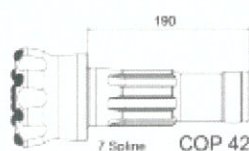


COP 32 – COP 34 – DHD 3.5 Shank

CONVEX FACE – FLAT FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
90	3 9/16"	2	8 x 12	4 x 12	2 x 12		5.8
92	3 5/8"	2	8 x 12	4 x 12	2 x 12		5.9
95	3 3/4"	2	8 x 12	4 x 12	2 x 12		6.1
100	4"	2	8 x 12	4 x 12	3 x 12		6.3

Other Shank and face design on request



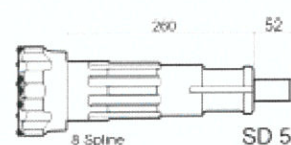
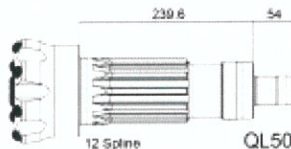
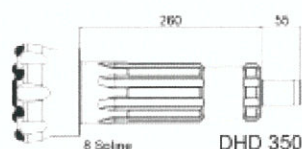
COP 42 – DHD 340A/COP 44 – QL 40 – SD 4 Shank

FLAT FACE – CONVEX FACE – SPEED BIT

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
105	4 1/8"	2	8 x 14	4 x 12	2 x 12		8.7
110	4 5/16"	2	8 x 14	4 x 12	2 x 12		8.9
115	4 1/2"	2	8 x 14	4 x 12	3 x 12		9.1
121	4 3/4"	2	8 x 14	4 x 12	3 x 12		9.2
127	5"	2	8 x 14	4 x 12	4 x 12		9.3
130	5 1/8"	2/3	8 x 14	4 x 14	4 x 12		9.7
140	5 1/2"	2/3	8 x 14	4 x 14	4 x 12		10.9

CONCAVE FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
105	4 1/8"	2	8 x 14		4 x 12	2 x 12	8.7
110	4 5/16"	2	8 x 14		4 x 12	2 x 12	8.9
115	4 1/2"	2	8 x 14		4 x 12	2 x 12	9.1
121	4 3/4"	2	8 x 14		4 x 12	3 x 12	9.2
127	5"	2	8 x 14		4 x 12	3 x 12	9.3
130	5 1/8"	2	8 x 14		4 x 14	4 x 12	9.7
140	5 1/2"	2	8 x 14		4 x 14	4 x 12	10.9



DHD 350/COP 54 – QL 50 – SD 5 Shank

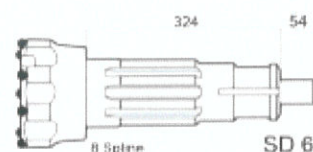
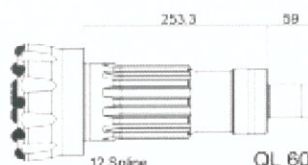
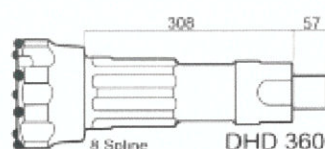
FLAT FACE – CONVEX FACE – SPEED BIT

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
140	5 1/2"	2/3	8 x 16	4 x 14	3 x 14		16.6
146	5 3/4"	2/3	8 x 16	4 x 14	3 x 14		17.2
152	6"	2/3	8 x 16	4 x 14	4 x 14		18.1
165	6 1/2"	2/3	8 x 16	4 x 14	3 x 14		19.3

DHD 350/COP 54 – QL 50 – SD 5 Shank

CONCAVE FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
140	5 1/2"	2	8 x 16		4 x 16	3 x 16	16.6
146	5 3/4"	2	8 x 16		4 x 16	3 x 16	17.2
152	6"	2	8 x 16		4 x 16	4 x 16	18.1
165	6 1/2"	2	8 x 16		4 x 16	4 x 16	19.3



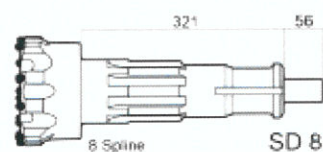
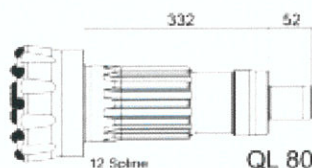
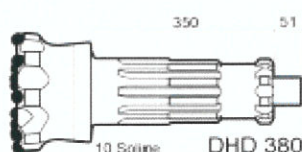
DHD 360/COP 64 – QL 60 – SD 6 Shank

FLAT FACE – CONVEX FACE – SPEED BIT

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
165	6 1/2"	2/3	8 x 16	4 x 16	4 x 14		23.2
171	6 3/4"	2/3	8 x 16	4 x 16	4 x 14		23.5

CONCAVE FACE – OILFIELD FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
165	6 1/2"	2	8 x 16		4 x 16	4 x 16	23.2
171	6 3/4"	2	8 x 16		4 x 16	4 x 16	23.5
178	7"	2	8 x 16		4 x 16	5 x 16	29.2
191	7 1/2"	2	8 x 16		8 x 16	5 x 16	31.9
203	8"	2	8 x 19		8 x 16	4 x 16	35.3
216	8 1/2"	2	8 x 19		8 x 16	5 x 16	35.9
219	8 5/8"	2	8 x 19		8 x 16	5 x 16	36.2



DHD 380/COP 84 HP– QL 60 – SD 8/COP 84L Shank

CONCAVE FACE – OILFIELD FACE

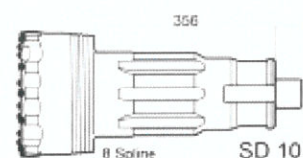
Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
203	8"	2	8 x 19		8 x 16	4 x 16	45.5
216	8 1/2"	2	8 x 19		8 x 16	5 X 16	47.7

Other Shank and face design on request

DHD 380/COP 84 HP – QL 60 – SD 8/COP 84L Shank

CONCAVE FACE

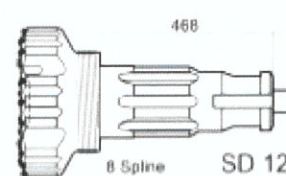
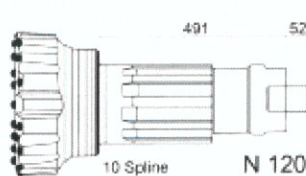
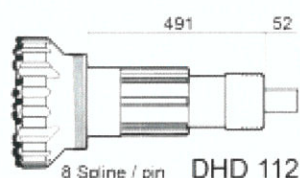
Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Core	
219	8 5/8"	2	8 x 19		8 x 16	5 x 16	49.1
222	8 3/4"	2	8 x 19		8 x 16	5 x 16	50.2
241	9 1/2"	2	8 x 19		8 x 16	8 x 16	52.5
254	10"	2	10 x 19		12 x 16	8 x 16	54.5
275	10 3/4"	2	10 x 19		12 x 16	8 x 16	65.2
305	12"	2	12 x 19		22 x 16	10 x 16	72.1



SD 10 Shank

CONCAVE FACE

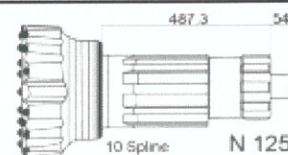
Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Core	
254	10"	3	12 x 19		9 x 16	7 x 16	108.3
275	10 3/4"	3	12 x 19		9 x 16	9 x 16	113.6
305	12"	3	12 x 19		24 x 16	9 x 16	118.7



DHD 112 – N120 – SD 12 Shank

CONCAVE FACE – OILFIELD FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Core	
305	12"	3	12 x 19		15 x 19	9 x 16	159.5
311	12 1/4"	3	12 x 19		15 x 19	10 x 16	167.8
330	13"	3	15 x 19		19 x 19	12 x 19	178.5
381	15"	3	15 x 19		28 x 19	12 x 19	233.6
445	17 1/2"	3	18 x 19		35 x 19	9 x 19	312.5



N125 Shank

CONCAVE FACE - OILFIELD FACE

Diameter		Air Holes	No. x Buttons diameter				Weight Kg
mm	Inch		Gauge	Inner	Front	Cone	
381	15"	3	15 x 19		28 x 19	12 x 19	320.5
445	17 1/2"	3	18 x 19		35 x 19	9 x 19	396.5
457	18"	3	18 x 19		35 x 19	10 x 19	402.3
508	20"	3	24 x 19		59 x 19	14 x 19	485.2
559	22"	3	24 x 19		69 x 19	16 x 19	525.7
610	24"	3	24 x 19		69 x 19	16 x 19	540.1

Other Shank and face design on request

MECTUBI

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