

Diamond Drills For The Automotive Industry

TYROLIT provides a wide range of monobloc drills and drills with mobile countersinks for the Automotive Glass Industry. They are specially designed and manufactured to guarantee the best quality of the hole at high feed rates.

Excellent start up: from the first hole you get an excellent edge quality. To speed up the start, TYROLIT provides the drills with properly dressed diamond surface.



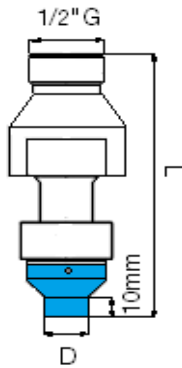
Excellent edge finishing: the diamond drills allow you to achieve excellent quality standards, ensuring a perfect finish both on inside and countersunk parts.

High feed speed: the diamond drills have been designed for a consistent performance throughout their lifetime: the high edge quality is guaranteed up to 120 mm/min working.

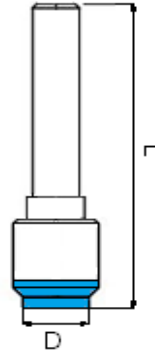
Long lifetime: the sintered diamond drills are manufactured using specific bonds to grant an excellent lifetime, that satisfy the highest standards in the market.

CORE DRILLS

Drills with mobile countersink



Monobloc core drills

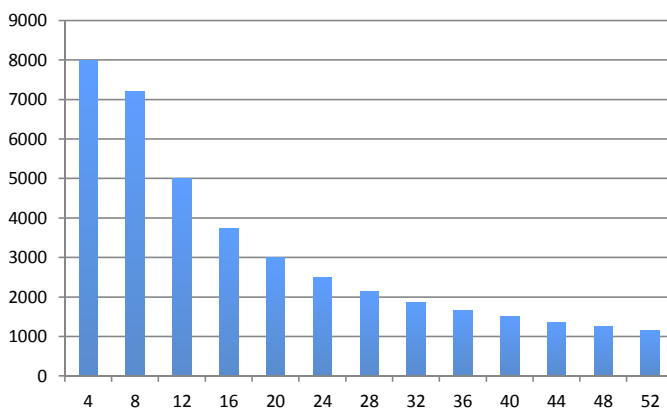


Range of products

Fittings available	1/2" gas, Ø 9,5, Ø 10, Ø 12, Ø 16
Total length (L)	from 75 mm up to 95 mm
Diameter	4 to 50 mm
Rim thickness	from 0,7 mm to 1 mm
Body	Stainless steel

Working parameters

DRESSING STICKS FOR	Drill's diameter	Recommended peripheral speed	Drilling rate with water	Drilling rate with coolant	Countersink speed
3 - 6 mm	from 4 to 25 mm	3 m/s	up to 1,5 mm/s	up to 2 mm/s	up to 0,5 mm/s
3 - 6 mm	from 26 to 50 mm	3 m/s	up to 1 mm/s	up to 1,5 mm/s	up to 0,5 mm/s



dm	rpm
4	8000
8	7200
12	5000
16	3750
20	3000
24	2500
28	2146
32	1875
36	1667
40	1500
44	1364
48	1250
52	1155

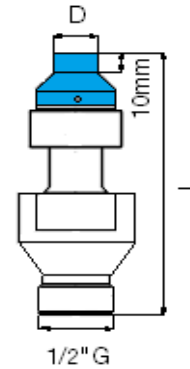
CORE DRILLS

DRILLS WITH MOBILE COUNTERSINK

\varnothing (D)	Specification
mm	
3,00 - 4,99	COUC FLH2
5,00 - 10,00	COUC FLH2
10,01 - 15,00	COUC FLH2
15,01 - 20,00	COUC FLH2
20,01 - 25,00	COUC FLH2
25,01 - 30,00	COUC FLH2
30,01 - 35,00	COUC FLH2
35,01 - 40,00	COUC FLH2
40,01 - 45,00	COUC FLH2
45,01 - 50,00	COUC FLH2



Total length (L) from 75 mm up to 95 mm
 Fittings available 1/2" GAS
 Body Stainless steel



COUNTERSINK

\varnothing (D)	Specification
mm	
3,00 - 4,99	FRC FLH2
5,00 - 10,00	FRC FLH2
10,01 - 15,00	FRC FLH2
15,01 - 20,00	FRC FLH2
20,01 - 25,00	FRC FLH2
25,01 - 30,00	FRC FLH2
30,01 - 35,00	FRC FLH2
35,01 - 40,00	FRC FLH2
40,01 - 45,00	FRC FLH2
45,01 - 50,00	FRC FLH2

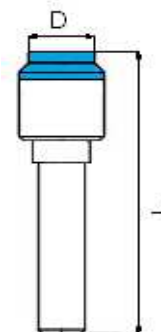


MONOBLOC CORE DRILL

\varnothing	Specification
mm	
4,00 - 10,00	CDAC FVDN
10,01 - 15,00	CDAC FVDN
15,01 - 20,00	CDAC FVDN
20,01 - 25,00	CDAC FVDN
25,01 - 30,00	CDAC FVDN
30,01 - 35,00	CDAC FVDN
35,01 - 40,00	CDAC FVDN
40,01 - 45,00	CDAC FVDN
45,01 - 50,00	CDAC FVDN



Total length (L) from 75 mm up to 95 mm
 Fittings available 1/2" gas
 \varnothing 9,5 mm \varnothing 10mm
 \varnothing 12mm



*Higher diameters on request