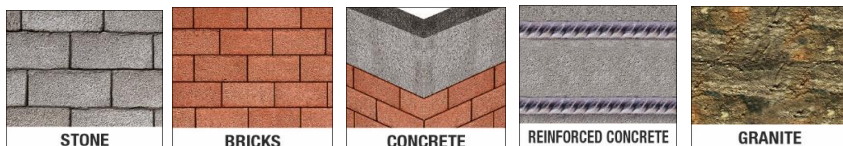
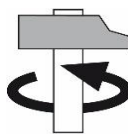


FAMILY CLASSIFICATION	00650
DESCRIPTION	CARBIDE TIPPED PERCUSSION CORE DRILL BITS, WITH M/16x2,00 THREAD CONNECTION - POWER DRILLS AND ROTARY HAMMERS
PRODUCT IMAGE	
KIND OF STEEL	C45 - EN 10083-2
STEEL COMPOSITION %	C 0,42-0,50 - Si ≤ 0,40 - Mn 0,50-0,80 - P ≤ 0.045 - S ≤ 0,045 - Cr ≤ 0,40 Ni ≤ 0,40 - Mo ≤ 0,10 - Cr+Mo+Ni ≤ 0,63 C=Carbon - Si=Silicon - Mn=Manganese - P=Phosphorus - S=Sulfur - Cr=Chrome - Mo=Molybdenum Ni=Nickel - Cu=Copper - Ti=Titanium - Al=Aluminum
HARD METAL OF THE TEETH	YG8 - K20 cemented carbide
CARBIDE TEETH COMPOSITION %	WC 92% - Co 8% WC=Tungsten carbide Co= Cobalt DENSITY = 14,70 (g/cm ³) HRA=88,5 2300 N/mm ²
HARDENING TEMP.	1120°
MANUFACTURING PROCESS	Hot forged body, fully rectified. The carbide teeth are welded to the body with high frequency voltage
SURFACE TREATMENT	Natural steel - ground from the solid - smooth Steel color finish
APPLICATION	Suitable for holes up to 60 mm deep
USE BY ROTATION AND PERCUSSION	STONES - BRICKS - CONCRETE REINFORCED CONCRETE - GRANITE  
REFERENCE POWER TOOL	Power drilling machines after activating the percussion function; high speed and good pressure, and on hammer drills up to 40 N Ø < 50mm = 600 Watt - Ø > 50mm = 800 Watt (3J)
PACKAGE	IN SINGLE PLASTIC BOX with HANGER 25,00 - 125,00 mm = 1 pc.

ECEF TECHNICAL SPECIFICATIONS

CONSTRUCTION TOOLS

FAMILY CLASSIFICATION 00650

TABLE OF CUTTING SPEED - ROUNDS/MINUTE - DRILL DIAMETER

diameter Ø		WORK-PIECE MATERIALS		
		CONCRETE MASONRY	REINFORCED CONCRETE	HARD STONES
25	1	2.200	1.600	760
30	1"3/16	1.800	1.400	680
35	1"3/8	1.550	1.200	550
40	1"9/16	1.350	1.000	470
45	1"3/4	1.200	900	420
50	2"	1.100	800	380
60	2"3/8	900	700	350
66	2"5/8	850	600	300
70	2"3/4	770	550	270
72	2"27/32	750	520	250
80	3"5/32	700	500	230
90	3"9/16	650	450	210
100	3"15/16	550	400	200
110	4"21/64	500	350	170
125	5"	420	300	150

FORMULA	CAPTION
$R.P.M. = \frac{V_c \times 1000}{\pi \times \varnothing}$	RPM = Rounds per minute Vc = Peripheral speed π = 3,1416 Ø = Drill diameter

PERSONAL SECURITY WARNINGS



Always use safety glasses



In case of loud noise wear ear protection



Always wear protective gloves



Always wear protective mask