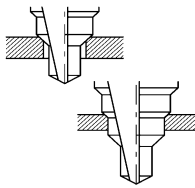
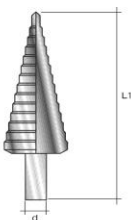


FAMILY CLASSIFICATION	03580
DESCRIPTION	HSS-COBALT 5% STEP DRILLS WITH SPECIAL TIP TO DRILL AND ENLARGE METAL SHEETS AND TUBES - CYLINDRIC SHANK
PRODUCT IMAGE	
KIND OF STEEL	HSS AISI M35
COMPOSITION %	C 0,88-0,93 - Si 0,30-0,43 - Mn 0,25-0,35 - P $\leq$ 0.028 - S $\leq$ 0,009 Cr 3,90-4,00 - Mo 4,75-4,90 - W 5,95-6,20 - V 1,75-1,90 - Co 4,55-4,70 C=Carbon - Si=Silicon - Mn=Manganese - P=Phosphorus - S=Sulfur - Cr=Chrome - Mo=Molybdenum W=Tungsten - V=Vanadium - Co=Cobalt
HARDENING TEMP.	1100°
HARDNESS	65-66 HRC
SHANK	CYLINDRICAL
SHARPENING	SELF-CENTERING 
MANUFACTURING PROCESS	FULLY GROUND FROM THE SOLID, with CAO System, that grants quality control and product homogeneity over time.
SURFACE TREATMENT	Natural steel - Ground from the solid - smooth - bright finish
WORK PIECE MATERIALS	ALLOY STEEL - ALL METALS - STAINLESS STEEL - ALUMINIUM - CAST IRON - HARD ALLOYS - BRASS - etc. ALL METALS WITH RESISTANCE $R \leq 1200 \text{ N/mm}^2$ 
REFERENCE TOOL	Power drilling machines after disabling the percussion function; low speed and high pressure. Ideal use with a drill press
RECOMMENDATIONS	USE REFRIGERANT OIL during the cutting, if required
PACKAGE	IN PLASTIC TUBE with HANGER 1 pc.

FAMILY CLASSIFICATION	03580
SHAPES	 Technical drawing of a drill bit showing dimensions L1 and d. Technical drawings of various drill bit shapes (A through O) with their respective diameters (Ø mm) listed next to them: A: 4, 6, 8, 10, 12 B: 4, 5, 6, 7, 8, 9, 10, 11, 12 C: 4, 6, 8, 10, 12, 14, 16, 18, 20 D: 6, 8, 10, 12, 14, 16, 18, 20 E: 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 F: 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 G: 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 21, 24, 27, 30, 33, 36, 39 H: 6, 8, 9, 10, 12, 14, 15, 16, 18, 21, 23, 26, 29, 32, 35, 37 I: 6, 8, 9, 10, 12, 13, 14, 15, 16, 18, 21, 23, 26, 29, 32, 35, 38 L: 8, 13, 16, 19, 21, 23, 26, 29, 32, 35, 38 M: 7, 10.5, 12.5, 14.5, 16.5, 18.5, 20.5, 23.5, 25.5, 28.5, 30.5, 32.5, 34.5, 40.5 N: 6, 8, 9, 10, 12, 14, 15, 16, 18, 21, 24, 27, 30, 33, 36, 37 O: 6, 8, 9, 10, 12, 14, 15, 16, 18, 21, 24, 27, 30, 33, 36, 38