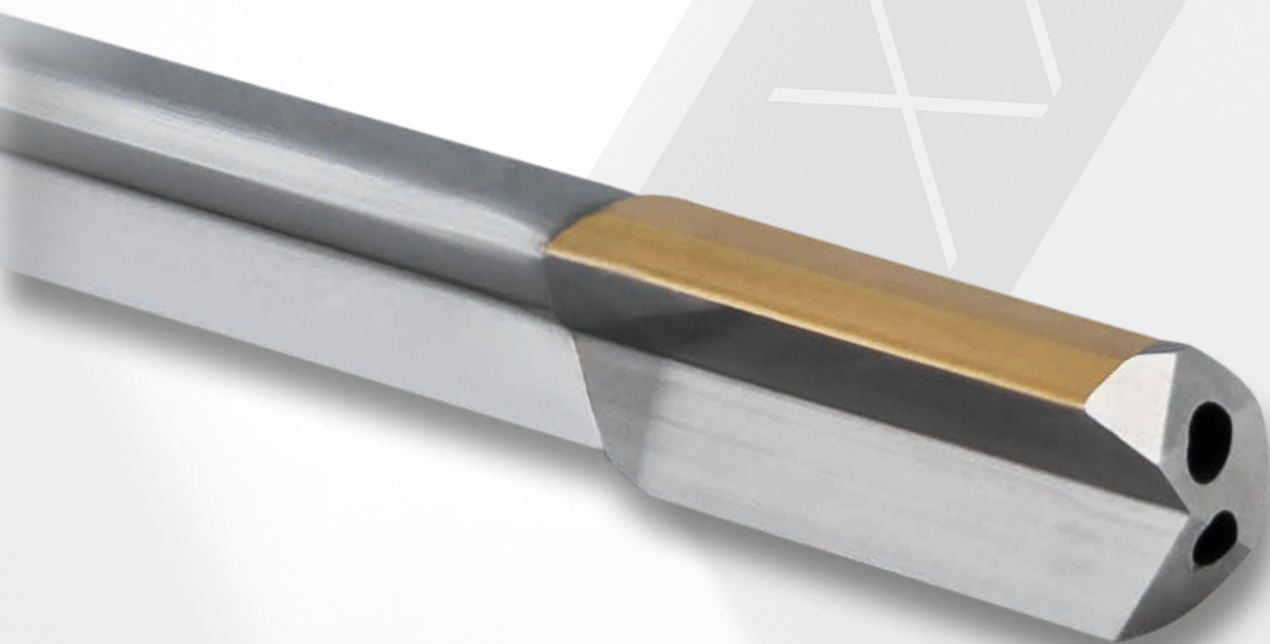




HARTNER

Precision Cutting Tools



E 80 XXL SINGLE-FLUTED GUN DRILLS

IDEAL FOR DEEP DRILLING MACHINES

NEW ▶ 600 mm ▶ 1,000 mm ▶ 1,400 mm ▶ 1,800 mm
▶ 800 mm ▶ 1,200 mm ▶ 1,600 mm ▶ 2,000 mm

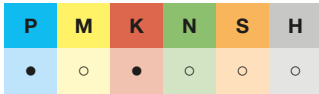
+ new stock programme



E 80 XXL single-fluted gun drills



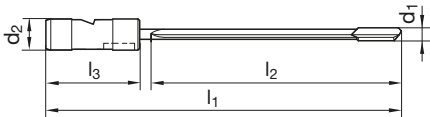
Total length l1	600 mm	800 mm	1,000 mm	1,200 mm
Flute length l2	500 mm	700 mm	900 mm	1,100 mm
Shank length l3	70 mm			



XXL



- for the use on gun drill machines
- stock item with fixed overall length for deep hole drilling machines
- polished flutes
- brazed-on carbide head with circuit form G



		Article no.	89539	89540	89544	89541
d1 h5 mm	d2 h6 mm	Availability				
3.000	25.000	•	•	•	•	
4.000	25.000	•	•	•	•	
5.000	25.000	•	•	•	•	
5.500	25.000	•	•	•	•	
6.000	25.000	•	•	•	•	
6.500	25.000	•	•	•	•	
7.000	25.000	•	•	•	•	
7.500	25.000	•	•	•	•	
8.000	25.000	•	•	•	•	
9.000	25.000	•	•	•	•	
9.500	25.000	•	•	•	•	
10.000	25.000	•	•	•	•	
11.000	25.000	•	•	•	•	
11.500	25.000	•	•	•	•	
12.000	25.000	•	•	•	•	
13.000	25.000	•	•	•	•	
14.000	25.000	•	•	•	•	
15.000	25.000	•	•	•	•	
16.000	25.000	•	•	•	•	
17.000	25.000	•	•	•	•	
18.000	25.000	•	•	•	•	
19.000	25.000	•	•	•	•	
20.000	25.000	•	•	•	•	
21.000	25.000	•	•	•	•	
22.000	25.000	•	•	•	•	
23.000	25.000	•	•	•	•	
24.000	25.000	•	•	•	•	
25.000	25.000	•	•	•	•	

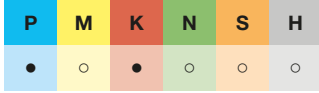




E 80 XXL single-fluted gun drills



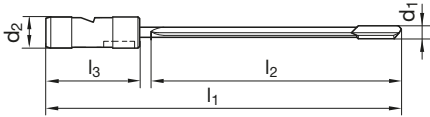
Total length l1	1,400 mm	1,600 mm	1,800 mm	2,000 mm
Flute length l2	1,300 mm	1,500 mm	1,700 mm*	1,900 mm**
Shank length l3	70 mm			



XXL



- for the use on gun drill machines
- stock item with fixed overall length for deep hole drilling machines
- polished flutes
- brazed-on carbide head with circuit form G



		Article no.	89545	89542	89546	89543
d1 h5 mm	d2 h6 mm	Availability				
3.000	25.000					
4.000	25.000	•	•	•	•	
5.000	25.000	•	•	•	•	
5.500	25.000		•			
6.000	25.000	•	•	•	•	
6.500	25.000		•			
7.000	25.000	•	•	•	•	
7.500	25.000		•			
8.000	25.000	•	•	•	•	
9.000	25.000	•	•	•	•	
9.500	25.000		•			
10.000	25.000	•	•	•	•	
11.000	25.000	•	•	•	•	
11.500	25.000	•	•	•	•	
12.000	25.000	•	•	•	•	
13.000	25.000	•	•	•	•	
14.000	25.000	•	•	•	•	
15.000	25.000	•	•	•	•	
16.000	25.000	•	•	•	•	
17.000	25.000	•	•	•	•	
18.000	25.000	•	•	•	•	
19.000	25.000	•	•	•	•	
20.000	25.000	•	•	•	•	
21.000	25.000	•	•	•	•	
22.000	25.000	•	•	•	•	
23.000	25.000	•	•	•	•	
24.000	25.000	•	•	•	•	
25.000	25.000	•	•	•	•	
26.000	25.000		•	•	•	
27.000	25.000			•	•	
28.000	25.000			•	•	
29.000	25.000			•	•	
30.000	25.000			•	•	
31.000	25.000			•	•	
32.000	25.000			•	•	

* from Ø 26.000 mm flute length 1,695 mm
 ** from Ø 26.000 mm flute length 1,895 mm

THE HARTNER PROGRAMME



▼ FU 500 / FN 500



▼ GUN DRILLS



▼ INOX DRILLS



▼ MICRO-PRECISION DRILLS



▼ THREADING TOOLS



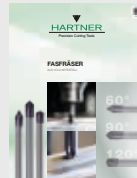
▼ TS-DRILLS



▼ TF 100 MULTI-MILL



▼ SOLID CARBIDE
MILLING CUTTERS



▼ CHAMFERING
MILLING CUTTERS



▼ MULTIPLEX



▼ MULTIPLEX HPC



▼ TM VENDING MACHINES

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