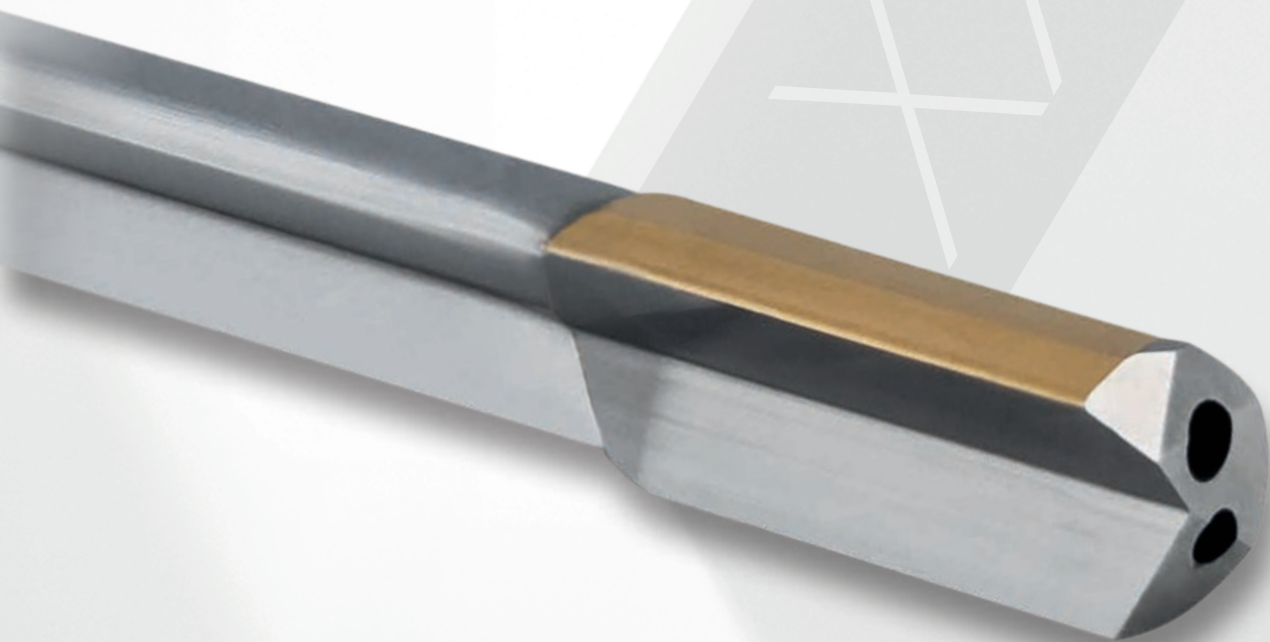




HARTNER

Precision Cutting Tools

LEERING[®]
SINCE 1939 HENGLO



E 80 XXL SINGLE-FLUTED GUN DRILLS

IDEAL FOR DEEP DRILLING MACHINES



► 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



HARTNER

E 80 XXL single-fluted gun drills



Total length l ₁	600 mm	800 mm	1,000 mm	1,200 mm
Flute length l ₂	500 mm	700 mm	900 mm	1,100 mm
Shank length l ₃	70 mm			

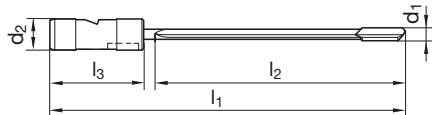


XXL

NEW

NEW

- 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	•	•	•	•	





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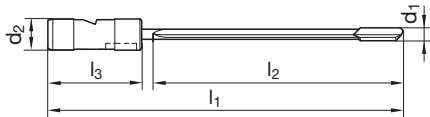
E 80 XXL single-fluted gun drills



Total length l ₁	1,400 mm	1,600 mm	1,800 mm	2,000 mm
Flute length l ₂	1,300 mm	1,500 mm	1,700 mm*	1,900 mm**
Shank length l ₃	70 mm			



- 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					
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8.000	25.000					
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19.000	25.000					
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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



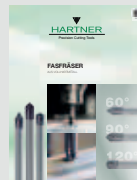
▼ TS-DRILLS



▼ TF 100 MULTI-MILL



▼ SOLID CARBIDE
MILLING CUTTERS



▼ CHAMFERING
MILLING CUTTERS



▼ MULTIPLEX



▼ MULTIPLEX HPC



▼ TM VENDING MACHINES

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STRAAL-EN OPPERVAKTETECHNIEK