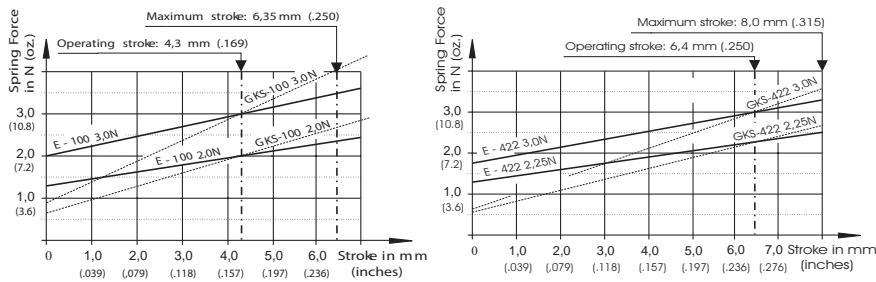
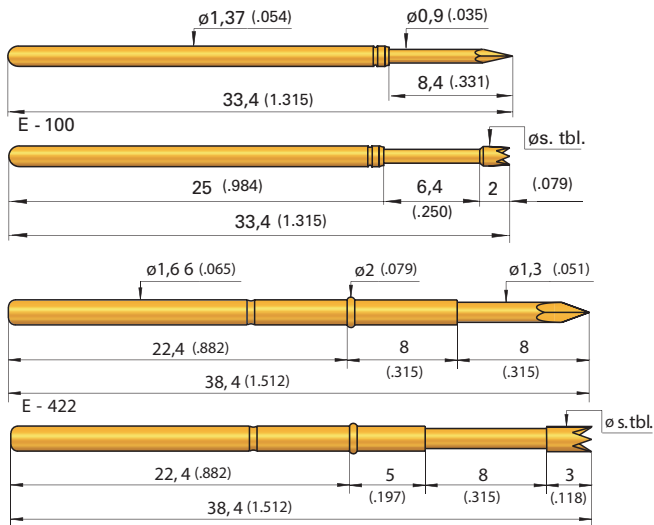


Grid:  
 ≥ 2,54 mm  
 ≥ 100 Mil

Installation height with KS: 16,0 mm (.630) / variable  
 Recommended stroke: 4,3 mm (.169) bzw. 6,4 mm (.252)

### Mounting and functional dimensions



Collar height and installation height, receptacles, electrical data, operating temperature, mounting hole size and materials: see compatible standard probe series GKS-100/422

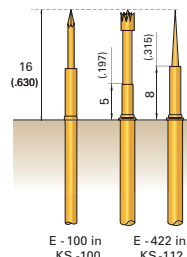
e-type	Compatible probe	Page
E-100	GKS-100	28 / 29
E-422	GKS-422	63

### Spring forces at working stroke

Series	Designation	Pre-load	Force at work. stroke
E-100	20	1,3 N (4.7 oz)	2,0 N
E-100	30	2,0 N (7.2oz)	3,0 N
E-422	22	1,3 N (4.7oz)	2,25 N
E-422	30	1,8 N (6.5oz)	3,0 N

**Mechanical data E-100**  
 Working stroke: 4,3 mm (.169)  
 Maximum stroke: 6,35 mm (.250)

**Mechanical data E-422**  
 Working stroke: 6,4 mm (.250)  
 Maximum stroke: 8,0 mm (.315)



### Available tip styles E-100

Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
2 01		A	$\phi 0,90$ (.035)	
3 07		A	$\phi 0,90$ (.035)	
3 07		A	$\phi 1,50$ (.059)	
2 09		A	$\phi 0,60$ (.024)	
2 14		A	$\phi 0,50$ (.020)	
2 14		A	$\phi 1,30$ (.051)	
2 24*		A	$\phi 1,30$ (.051)	
2 38		A	$\phi 0,90$ (.035)	
2 77		A	$\phi 0,90$ (.035)	
2 91		A	$\phi 0,90$ (.035)	
2 97		A	$\phi 0,90$ (.035)	
2 98		A	$\phi 0,90$ (.035)	

\* higher middle tip plus 0,4 mm

### Available tip styles E-422

Material	Tip style	Plating	Further versions	
			$\phi$	$\phi$ (inch)
2 01		A	$\phi 1,30$ (.051)	
3 07		A	$\phi 1,30$ (.051)	
2 09**		A	$\phi 0,80$ (.011)	
2 14		A	$\phi 1,30$ (.051)	2,00 (.079)
2 24***		A	$\phi 1,80$ (.071)	
2 33		A	$\phi 1,30$ (.051)	
2 91		A	$\phi 1,30$ (.051)	

\*\* pressed-in steel point in base plunger made of brass  
 \*\*\* higher middle tip plus 0,5 mm

### Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force (dN)	Collar height
	2 = Steel 3 = BeCu			A = Gold N = Nickel		00 (E-100) 05 (E-422) tip- $\phi > 1,3$ mm 08 (E-422) recomb. for tip- $\phi < 1,3$ mm

Test probes:

E	1 0 0	2	9 1	0 0 0	A	3 0	0 0
E	4 2 2	2	1 4	2 0 0	A	3 0	0 5
E	4 2 2	2	9 1	1 3 0	A	3 0	0 8