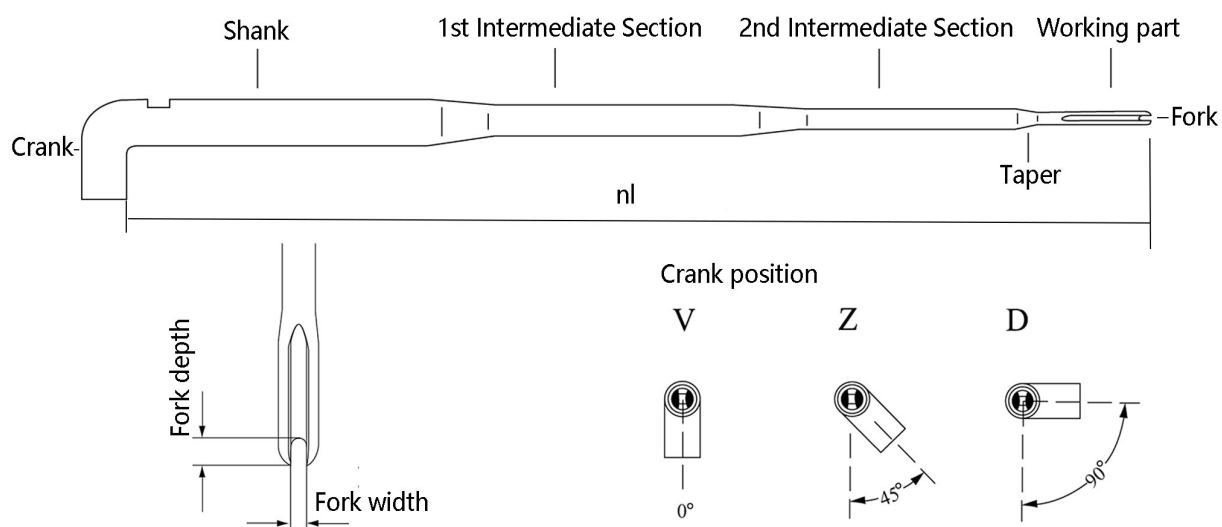


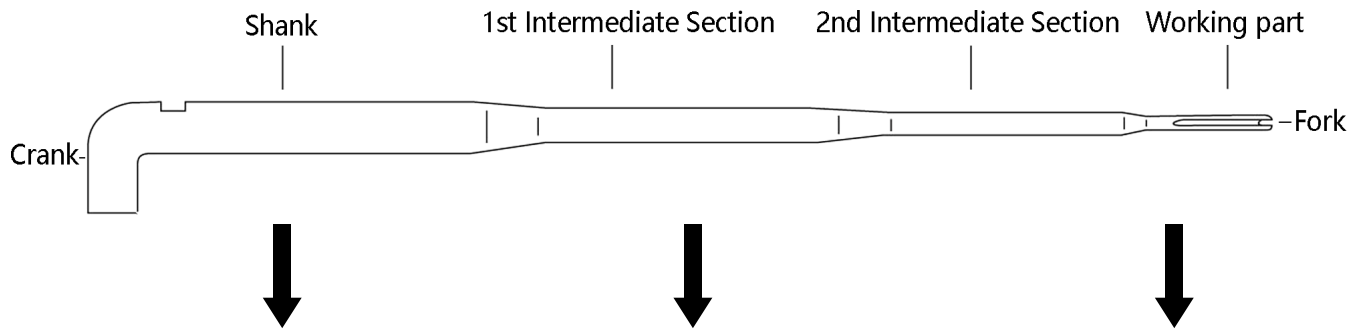
Fork Needle Ordering Code



Needle Code: 15X17X36X42X63.5 VD9255

Code	Description	Value
15	Shank diameter	15G=1.83mm
17	1st Intermediate section diameter	17G=1.35mm
36	2nd Intermediate section diameter	36G=0.55mm
42	Working part diameter	42G=0.40mm
63.5	Needle length (nl)	63.5mm
V	Crank position	0 degree
D	Manufacturer Brand	Doer
9	Special feature	Fork width/depth in 0.01mm
2	Finish	Polished
5	Fork width	5=0.05mm
5	Fork depth	5=0.05mm

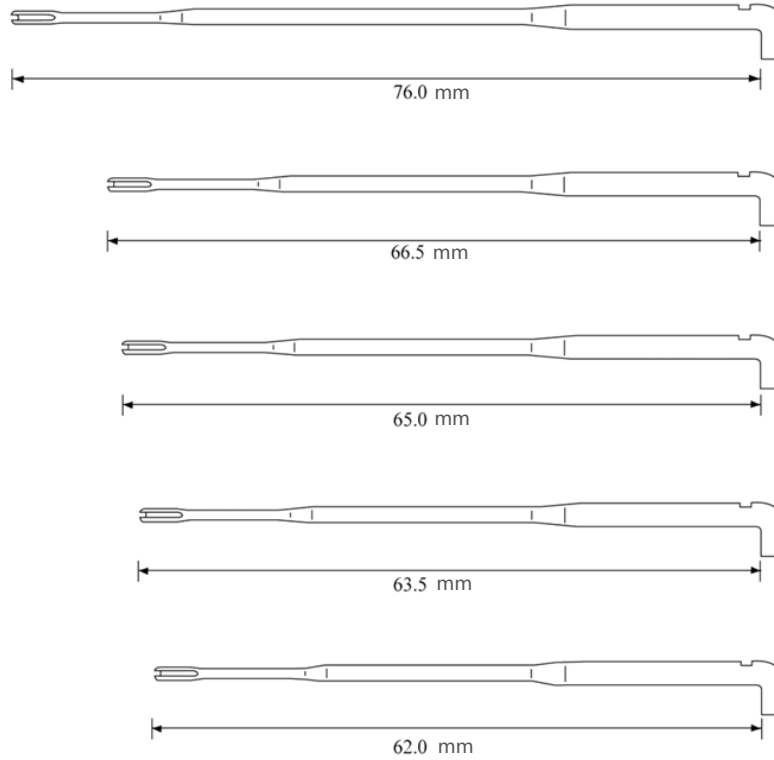
Fork Needle Gauge Table



Gauge	Shank diameter	Intermediate section diameter	Working part diameter
15	1.83 mm		
16		1.55 mm	
17		1.35 mm	
18		1.20 mm	
19		1.10 mm	
20		0.95 mm	0.95 mm
25		0.80 mm	0.80 mm
30		0.70 mm	0.70 mm
32		0.65 mm	0.65 mm
36		0.55 mm	0.55 mm
38			0.50 mm
40			0.45 mm
42			0.40 mm

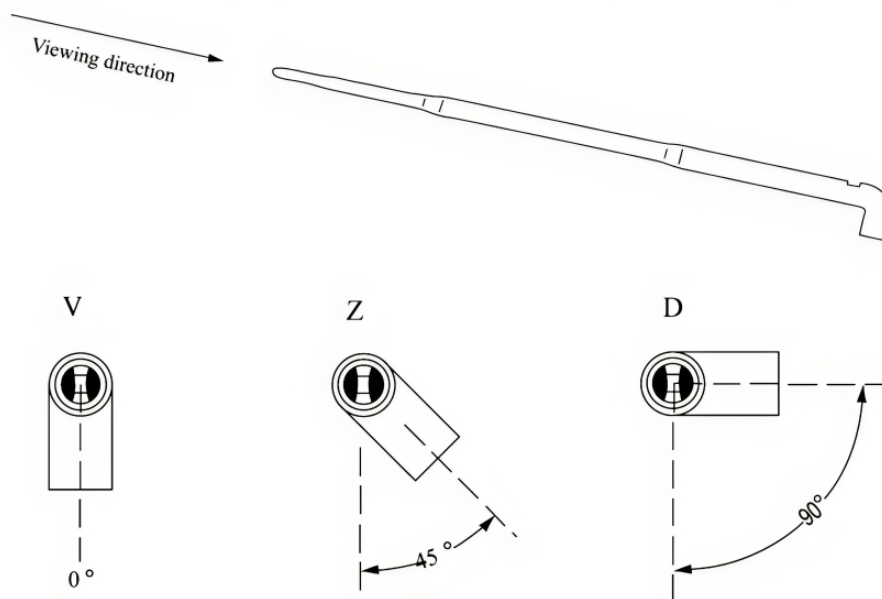
Fork Needle Length and Crank Position

Fork Needle Length



Fork Needle Crank Position

Point of observation: Point to observe, fork opening vertical



Fork Needle Number Designation

Fork Needle Feature

15X18X30X63.5 DD 0 234		15X17X32X40X63.5 VD 9 277	
Code	Feature	Code	Feature
0	Standard needle	9	Fork depth/fork width in 0.01mm
1-8	Special feature deviant from standard		

Fork Needle Finish

15X17X32X40X63.5 VD 9 277			
Code	Finish	Code	Finish
0	Standard	3	Chrome plated
1	Coloration	4	Nickel plated
2	Polished	5	Titanium plated

Fork Needle Number Designation

Fork width

15X18X30X63.5 DD02 34		15X17X32X40X63.5 VD92 77	
Code	Value	Code	Value
0	0.10 mm		
1	0.15 mm		
2	0.20 mm		
3	0.25 mm	3	0.03 mm
4	0.30 mm	4	0.04 mm
5	0.35 mm	5	0.05 mm
6	0.40 mm	6	0.06 mm
7	0.50 mm	7	0.07 mm
8	0.60 mm	8	0.08 mm
		9	0.09 mm

Fork depth

15X18X30X63.5 DD02 34		15X17X32X40X63.5 VD92 77	
Code	Value	Code	Value
0	0.10 mm		
1	0.15 mm		
2	0.20 mm		
3	0.25 mm	3	0.03 mm
4	0.30 mm	4	0.04 mm
5	0.35 mm	5	0.05 mm
6	0.40 mm	6	0.06 mm
7	0.50 mm	7	0.07 mm
8	0.60 mm	8	0.08 mm
9	0.70 mm	9	0.09 mm

Fork Needle List

Fork needle shank is with single or multiple reduction and cylindrical working part. It is 3-dimensionally rounded fork geometry on the needle point.

Fork needle is to make felt surface with a velvety or grainy character, and may also feature geometric or linear patterns. They are used on automotive interiors, floor coverings, decorative nonwovens and toy Teddy bears. The gauge is available from 20G to 42G for different fibers.

No.	Item No.	Needle Category	Crank position	Fork depth (mm)	Fork width (mm)
1	15X16X20X63.5 VD0247	Fork needle	0°	0.50	0.30
2	15X16X20X63.5 DD0247	Fork needle	90°	0.50	0.30
3	15X18X25X63.5 VD0246	Fork needle	0°	0.40	0.30
4	15X18X25X63.5 DD0246	Fork needle	90°	0.40	0.30
5	15X18X30X63.5 VD0234	Fork needle	0°	0.30	0.25
6	15X18X30X63.5 DD0234	Fork needle	90°	0.30	0.25
7	15X17X25X38X63.5 VD9200	Fork needle	0°	0.10	0.1
8	15X17X25X38X63.5 DD9200	Fork needle	90°	0.10	0.1
9	15X17X32X40X63.5 VD9277	Fork needle	0°	0.07	0.07
10	15X17X32X40X63.5 DD9277	Fork needle	90°	0.07	0.07
11	15X17X36X42X63.5 VD9255	Fork needle	0°	0.50	0.50
12	15X17X36X42X63.5 DD9255	Fork needle	90°	0.50	0.50