

**DRILLED- END CARDIOVASCULAR TAPER POINT NEEDLES**

**1 TYPE**

V - Drilled end,  
Cardiovascular

**2 SHAPE**

D - 3/8 Circle  
H - 1/2 Circle  
X - Compound curve

**3 POINT**

R - Round body taper point  
(with 1:12 taper ratio)

**5 ANGLE OF CURVATURE**

130° - (3/8 Circle)  
135° - (3/8 Circle)  
160° - (1/2 Circle)  
165° - (1/2 Circle)  
170° - (1/2 Circle)  
175° - (1/2 Circle)  
180° - (1/2 Circle)

**6 LENGTH**

Length of needle  
(in mm)

8	24
10	25
12	26
13	28
15	30
18	35
20	36
22	

**7 WIRE SIZE**

Wire dia. of needle in  
hundredths of mm.

23	51
28	56
30	58
33	61
38	66
40	71
43	81
46	86
48	100

**9 GRADE OF STEEL**

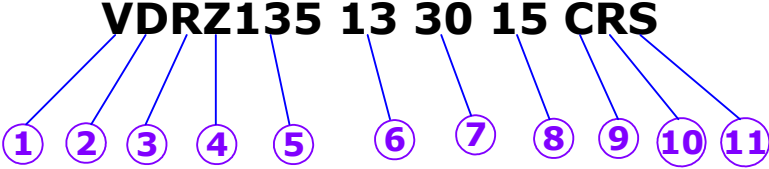
C - 1RK 91  
D - AISI 302  
F - Custom 470

**11 SILICONISED**

B - Black  
S - Siliconised

*EXAMPLE OF NEEDLE CODE*

**VDRZ135 13 30 15 CRS**



**4 SPECIAL FEATURE (IF REQD.)**

Z - Square body

**8 HOLE SIZE**

Diameter of drilled hole  
in hundredths of mm.

12	33
14	36
15	40
16	42
17	43
19	44
20	46
21	47
23	48
25	49
27	51
28	53
30	55
32	

**10 RIBBED BODY**

R - Ribbed body