

Triaxial Cells, Top Caps & Base Pedestals

VJ Tech's range of triaxial cells are precision made specifically for soil testing laboratories. Triaxial cells are available various sizes to suit a range of specimen sizes with Base Pedstals and Top Caps to suit a wide range of sample diameters.

- Stainless steel low friction piston
- Five inlet/outlet ports with zero volume change valves
- Hard anodised for increased corrosion protection
- Transparent acrylic chamber
- Air bleed screw for efficient de-airing
- Suitable for all load frames with 158mm diameter platen
- Can be used with internal submersible load cells.
- Interchangeable pedestals and top caps for different sample sizes (supplied separately).
- Base Pedestals of 70/75 mm and 100 mm diameter can be used for both Standard and Dynamic cells



Specifications

	VJT0549	VJT0475	VJT0400	VJT0450	VJT0449
Maximum Sample Diameter	50 mm	76 mm	105 mm	150 mm	300 mm
Maximum Sample Height	100 mm	152 mm	210 mm	300 mm	600 mm
Maximum Pressure	2000 kPa	3500 kPa	2000 kPa	2000 kPa	2000 kPa
Maximum Axial Load	45 kN	100 kN	100 kN	100 kN	
Height	320 mm	410 mm	460 mm	570 mm	109 cm
Diameter	170 mm	230 mm	270 mm	350 mm	74 cm
Weight	5.45 kg	16.9 kg	19.7 kg	38 kg	160 kg

Standard Base Pedestals and Top Caps

Specimen Dia. VJT0549 (50 mm) VJT0475 (76 mm) VJT0400 (105 mm) VJT0450 (150 mm) VJT0449 (300 mm)

Top Caps (if required in lightweight perspex - add 'P' to VJT Part Number)

Specimen Dia.	VJT0549 (50 mm)	VJT0475 (76 mm)	VJT0400 (105 mm)	VJT0450 (150 mm)	VJT0449 (300 mm)
35 mm	VJT0582	VJT0571A	VJT0571A	-	-
38 mm	VJT0550	VJT0571	VJT0571	VJT0571	-
50 mm	VJT0561	VJT0574	VJT0574	VJT0574	-
2.8"	-	VJT0440	VJT0440	-	-
70 mm	-	VJT0476	VJT0476	VJT0476	-
100 mm	-	-	VJT0405	VJT0405B	-
150 mm	-	-	-	VJT0451	-
300 mm	-	-	-	-	VJT0449-300

Base Pedestals

Specimen Dia.	VJT0549 (50 mm)	VJT0475 (76 mm)	VJT0400 (105 mm)	VJT0450 (150 mm)	VJT0449 (300 mm)
35 mm	VJT0583	VJT0583A	VJT0572B	-	-
38 mm	VJT0551	VJT0572	VJT0572A	VJT0452D	-
50 mm	VJT0560	VJT0573	VJT0575	VJT0452C	-
2.8"	-	VJT0441	VJT0441	-	-
70 mm	-	VJT0477	VJT0477A	VJT0452B	-
100 mm	-	-	VJT0402	VJT0452A	-
150 mm	-	-	-	VJT0452	-
300 mm	-	-	-	-	VJT0449-300

Triaxial Cell Accessories

VJ Tech's range of Triaxial cell accessories are designed to make sample preparation easier for technicians in soil testing laboratories.

They support various sizes of test specimens in different diameter cells.

- Easy sample assembly
- Supports specimen sizes from 35 mm to 300 mm diameter
- Everything required including tools and consumables



Ordering Information

VJT Product No.	VJT0549	VJT0549
Cell Size	50 mm	50 mm
Sample Size	35 mm	38 mm
Base Disc	VJT0584	VJT0552
Porous Disc	VJT0585	VJT0553
Membranes	VJT0586	VJT0554
'O' Rings	VJT0587	VJT0555
'O' Ring Tool	VJT0578-S	VJT0555T-S
Membrane Stretcher	VJT0577	VJT0556
2 Part Split Mould	VJT0589	VJT0557
2/3 Part Split Former	VJT0588	VJT0558
Filter Drain	VJT0590	VJT0559

Ordering Information (continued)

VJT Product No.	VJT0549	VJT0475
Cell Size	50 mm	75 mm
Sample Size	50 mm	2.8 inch
Base Disc	VJT0562	VJT0441
Porous Disc	VJT0563	VJT0443
Membranes	VJT0564	VJT0413
'O' Rings	VJT0565	VJT0416
'O' Ring Tool	VJT0567-S	VJT0416T-S
Membrane Stretcher	VJT0566	VJT0422
2 Part Split Mould	VJT0569	VJT0444
2/3 Part Split Former	VJT0568	VJT0445
Filter Drain	VJT0570	VJT0430

Ordering Information (continued)

VJT Product No.	VJT0475	VJT0400
Cell Size	75 mm	105 mm
Sample Size	70 mm	100 mm
Base Disc	VJT0407	VJT0408
Porous Disc	VJT0410	VJT0411
Membranes	VJT0413	VJT0415
'O' Rings	VJT0416	VJT0417
'O' Ring Tool	VJT0416T-S	VJT0417T-S
Membrane Stretcher	VJT0422	VJT0423
2 Part Split Mould	VJT0425	VJT0426
2/3 Part Split Former	VJT0428	VJT0429
Filter Drain	VJT0430	VJT0431

Ordering Information (continued)

VJT Product No.	VJT0450	VJT0449
Cell Size	150 mm	300 mm
Sample Size	150 mm	300 mm
Base Disc	VJT0453	
Porous Disc	VJT0454	VJT0454B
Membranes	VJT0455	VJT0449-M
'O' Rings	VJT0587	VJT0449-OR
'O' Ring Tool	VJT0456T-S	VJT0449-300-OT
Membrane Stretcher	VJT0457	
2 Part Split Mould	VJT0458	
2/3 Part Split Former	VJT0459	VJT0449-SF
Filter Drain	VJT0460	