

BANDED TRIAXIAL CELLS

The cell essentially consists of a transparent banded chamber to prevent excessive expansion during the test and to protect against explosive failure when used with compressed air systems.

The design of the cell ensure vertical alignment of the cell ram by clamping the Perspex wall separately from the cell top.

Cell code

Sample diameter mm	28-WF4050	28-WF4070	28-WF4100	28-WF4150
38	28-WF4031/S	28-WF4031/7	28-WF4031 /10	28-WF4031/1S
50	28-WF4051/S	28-WF4051f7	28-WF4051/10	28-WF4051/1S
70		28-WF4071f7	28-WF4071/10	28-WF4071/1S
			28-WF4101/10	28-WF4101/15
				28-WF4151/1

TOP CAP, VACUUM TOP CAP and ACCESSORIES

Sample dimension	38	50	70	100	150
Top cap	28-WF4032 /A	28-WF4052/A	28-WF4072 /A	28-WF4102 /A	28-WF4152 /A
Vacuum top cap*	28-WF4032 /AV	28-WF4052/AV	28-WF4072 /AV	28-WF4102 /AV	28-WF4152/AV
Base disc	28-WF4033	28-WF-4053	28-WF4073	28-WF4103	28-WF4153
Pair of porous discs	28-WF4034	28-WF4054	28-WF4074	28-WF4104	28-WF4154
Membrane,10 pieces	28-WF4035	28-WF4055	28-WF4075	28-WF4105	28-WF4155
O Rings,10 pieces	28-WF4036	28-WF4056	28-WF4076	28-WF4106	28-WF4156
Membrane stretcher	28-WF4031 /A	28-WF4051/A	28-WF4071 /A	28-WF4101/A	28-WF4151/A
O Ring placing tool	28-WF4031 /B	28-WF4051/B	28-WF4071 /B	28-WF4101/B	28-WF4151/B
Two parts split mould	28-WF4031 /D	28-WF4051/D	28-WF4071 /D	28-WF4101/D	28-WF4151/D
Lateral filter drains,pack of 50	28-WF4031 /E	28-WF4051/E	28-WF4071 /E	28-WF4101/E	28-WF4151/E
Filter discs,pack of 100	28-WF4031 /F	28-WF4051/F	28-WF4071 /F	28-WF4101/F	28-WF4151/F
Hand sampler	28-WF4031 /G	28-WF4051/G	28-WF4071 /G	28-WF4101/G	
Two Part Split Former with Vacuum attachment	28-WF4031 /H	28-WF4051/H	28-WF4071 /H	28-WF4101/H	28-WF4151/H

*Used for stress path and dynamic testing with dedicated triaxial cell with vacuum attachment



BANDED TRIAXIAL CELLS

SPECIFICATION

Model 28-	WF4050	WF4070	WF4100	WF4150
Nominal size dia. mm	50	70	100	150
Range of spec. size dia. mm	38-50	38-70	38-100	38-150
Max. working pressure kPa	3500	3500	2000	2000
Max. height [mm]	410	670	745	870
Dia. mm (including valves)	350	400	440	650
Weight approx.[kg]	7	15	21	40

Test

Effective stress/Total stress	x	x	x	x
Stress path		x	x	x
Dynamic test / Extension		x	x	x
On sample/bender elements*		x	x	x

* Requires Advanced upgrading kit

STANDARDS

- BS 1377:6
- BS 1377:7
- ASTM D2850

- ASTM D4767
- ASTM D5084
- BS 1377:8
- ASTM D7181
- EN 17892-8
- EN 17892-9

ACCESSORIES

28-WF4070/ADV

Advanced upgrading kit for triaxial cell mod. WF4070 allowing use of mini on sample transducers and bender elements.

28-WF4100/ADV

Advanced upgrading kit for triaxial cell mod. WF4100 allowing use of mini on sample transducers and bender elements.

29-WF4005/E

Extension test accessory for rigid connection to the ram of the banded triaxial cell

28-WF4150/ADV

Advanced upgrading kit for triaxial cell mod. WF4150 allowing use of mini on sample transducers and bender elements.

ORDERING CODE

28-WF4050

Banded triaxial cell for up to 50mm sample diameter.

28-WF4070

Banded triaxial cell for up to 70mm sample diameter.

28-WF4100

Banded triaxial cell for up to 100mm sample diameter.

28-WF4150

Banded triaxial cell for up to 150mm sample diameter.



