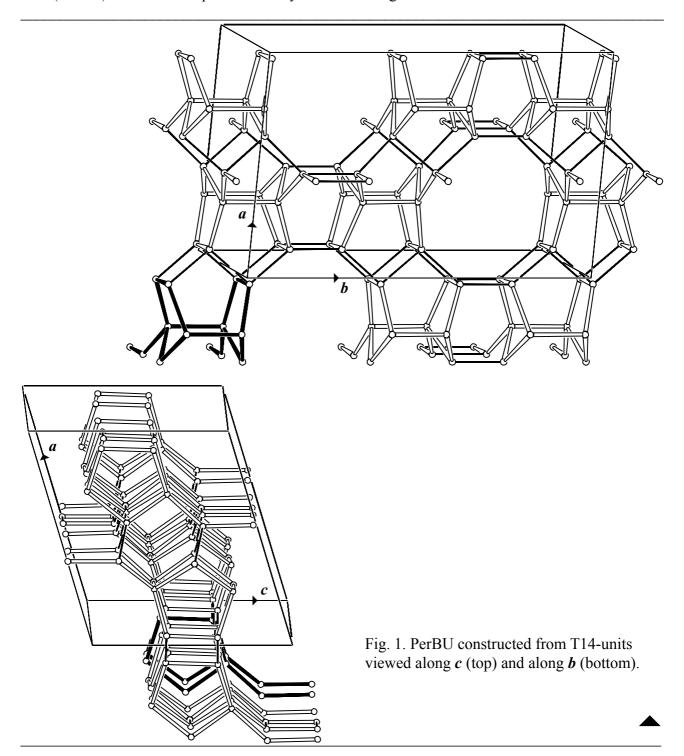


1. Periodic Building Unit – 2. Connection mode – 3. Channels and/or cages
4. Composite Building Units – 5. Supplementary information

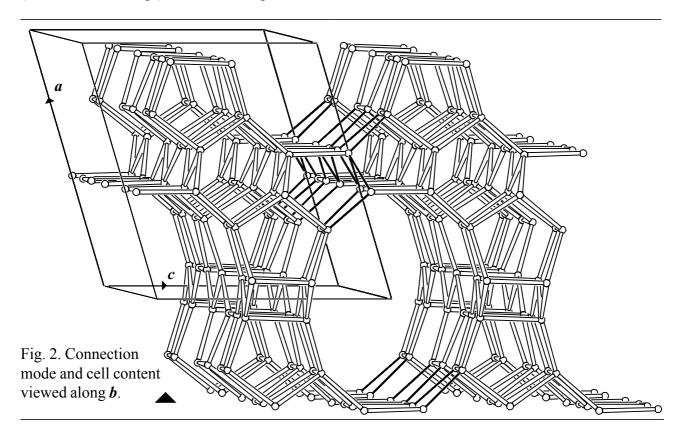
1. Periodic Building Unit

Monoclinic **SFS** can be built using units of 14 T atoms (one in bold in Figure 1). The T14-unit consists of two 5-2 units. T14-units, related along *a* by centres of symmetry, form a chain along *a*. Chains, related along *b* by a 2-fold screw axis parallel to *b*, are connected into the Periodic Building Unit (PerBU). The PerBU equals the *ab* layer shown in Figure 1.



2. Connection mode

Neighboring PerBUs, related by a pure translation along c, are connected along c through 5-rings (and 10- and 12-rings) as shown in Figure 2.



3. Channels and/or cages

Interconnecting 10-ring channels, parallel to *c*, intersect interconnecting 12-ring channels parallel to *b*. Channel intersection and channels are shown in Figure 3. The **pore descriptor** is added.

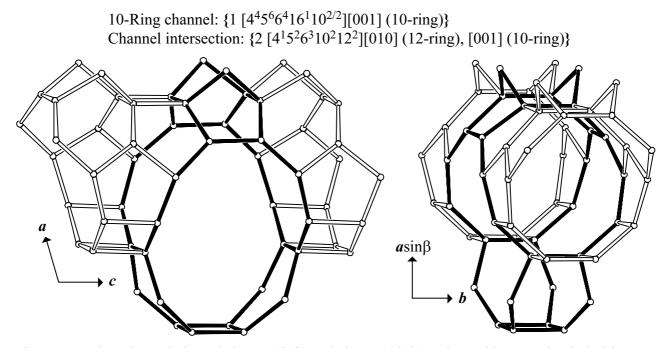
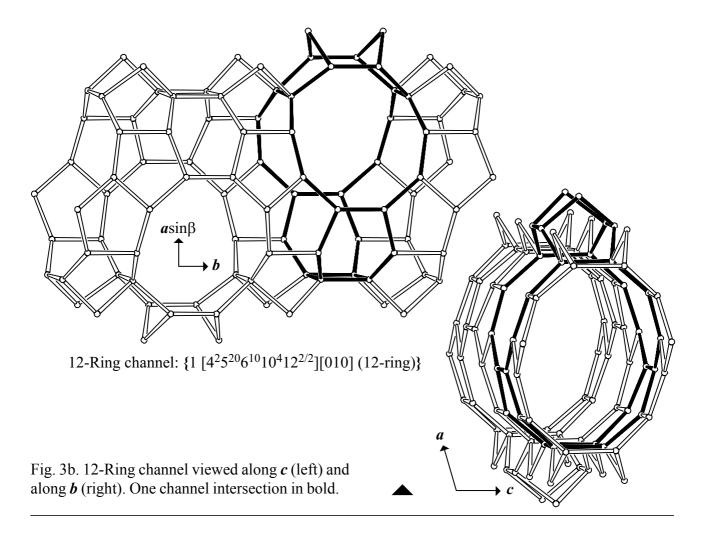


Fig. 3a. 10-Ring channel viewed along **b** (left) and along **c** (right). Channel intersection in bold.



4. Composite Builing Units

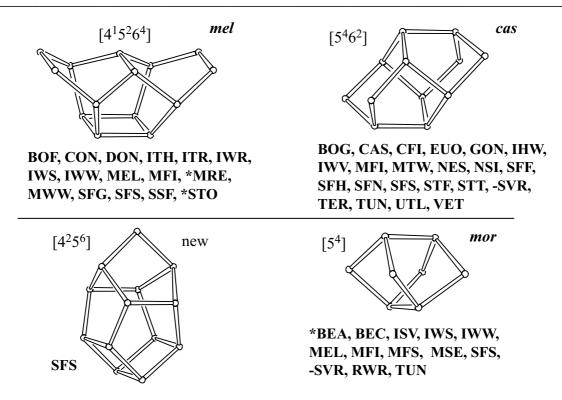


Fig. 4. Composite Building Units.

5. Supplementary information

Other framework types containing (modified) 5-rings

5-Rings can be connected in several other ways. In all cases additional T atoms are needed to build the framework.

In the **INTRO**-pages links are given to a detailed description of a sub-set of framework types that contain (modified) 5-rings (choose: **5-Rings**). There is also a link provided to a summary of the PerBUs used in the building schemes of these framework types (choose: **Appendix**; **Figure 6**).