CLAIMS

1. A threaded joint for pipes, comprising

a pin provided with a male thread portion, which is a male tapered thread, at one end of a first pipe, and

a box provided with a female thread portion, which is a female tapered thread to be screwed with the male thread portion, at one end of a second pipe, wherein

the female thread portion has a plurality of thread grooves,

each of the plurality of thread grooves has a corner portion on a load flank side and a corner portion on a stabbing flank side on a thread bottom side,

a flank angel of the plurality of thread grooves, which is defined as positive when the flank surface is inclined toward the thread and negative when it is inclined toward the opposite side of the thread, with respect to a straight line perpendicular to a pipe axis, satisfying the following conditions (a) and (b):

(a) an angle of the stabbing flank is +5 to +40 degrees with respective to a straight line perpendicular to the pipe axis; and

(b) an angle of the load flank is -10 to 0 degrees with respective to a straight line perpendicular to the pipe axis,

a corner portion on a load flank side of a first thread groove, which is the thread groove farthest from an end of the box among the plurality of thread grooves, comprises a first arc portion that is directly connected to a load flank and has a first curvature radius, and a second arc portion that is directly or indirectly connected to the first arc portion and has a second curvature radius,

an angle θ of the first arc portion, which is defined as an angle between a straight line “a” parallel to the pipe axis and a radius “r” at the end of the first arc portion on the opposite side of the load flank, is 50˚ or more and 75˚ or less, and

a ratio of curvature radius, which is a ratio of the second curvature radius to the first curvature radius, is 3 or more.

2. The threaded joint for pipes according to claim 1, wherein the second arc portion is directly connected to the first arc portion.

3. The threaded joint for pipes according to claim 1, wherein the second arc portion is connected to the first arc portion via a straight portion.

4. The threaded joint for pipes according to any one of claims 1 to 3, wherein the corner portion on the load flank side of the first thread groove further comprises a third arc portion directly or indirectly connected to the second arc portion.

5. The threaded joint for pipes according to any one of claims 1 to 4, wherein the first thread groove has a straight thread bottom portion parallel to a taper of the female thread portion.