

FIG. 1(A)

Ring member: Martensite-based stainless (SUS440C)

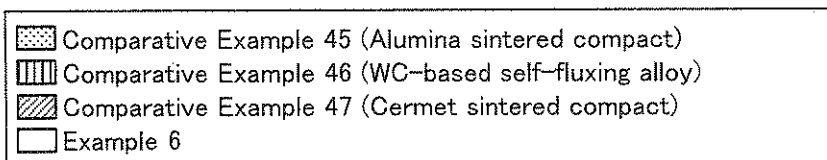
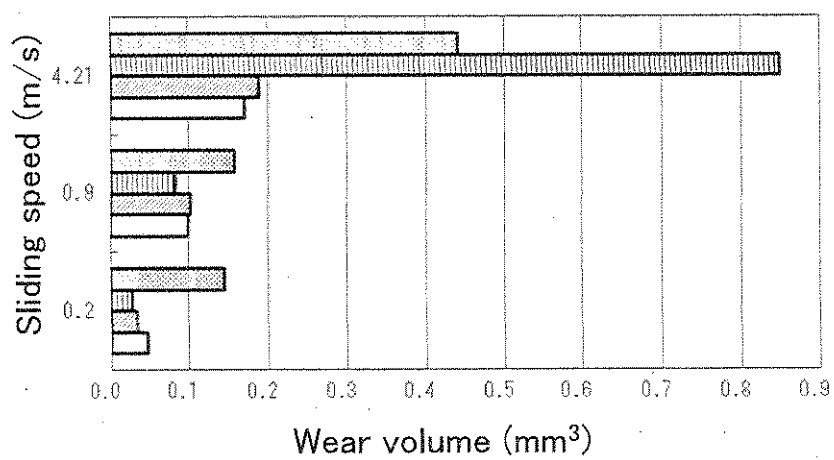
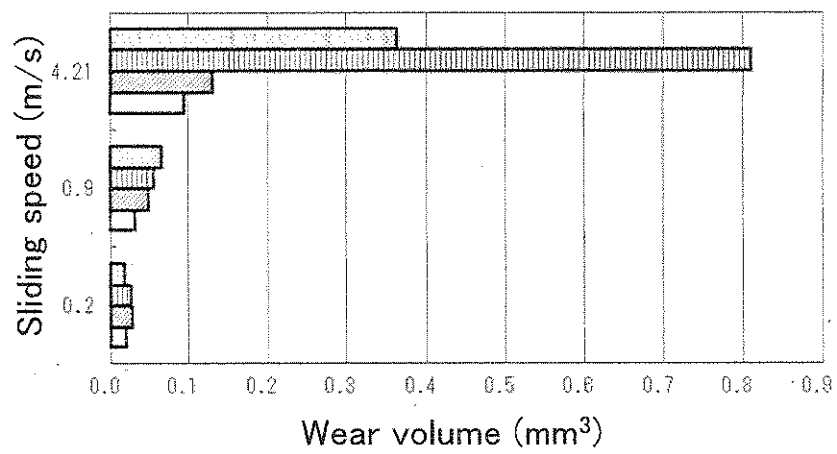


FIG. 1(B)

Ring member: Cermet sintered compact A (KH-C50)



- Comparative Example 45 (Alumina sintered compact)
- Comparative Example 46 (WC-based self-fluxing alloy)
- Comparative Example 47 (Cermet sintered compact)
- Example 6

FIG. 1(C)

Ring member: Cermet sintered compact B (KH-N51)

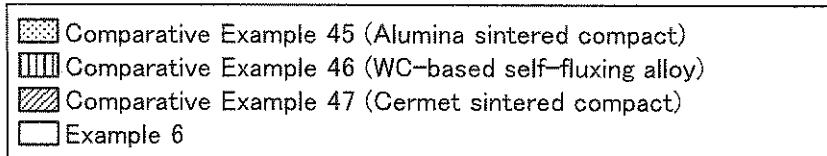
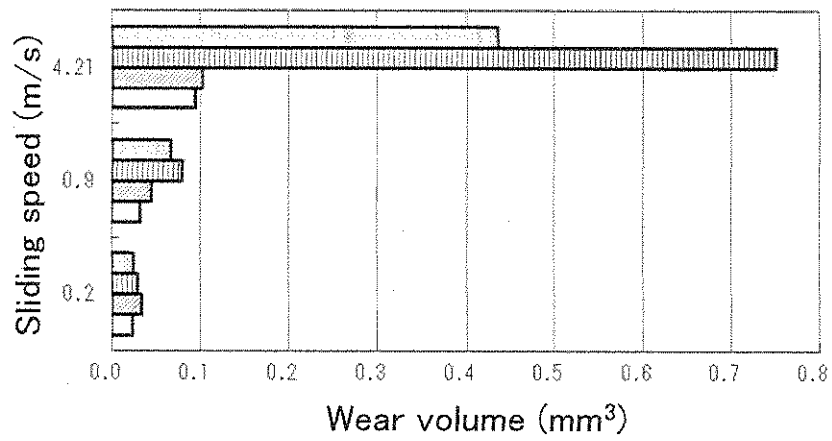


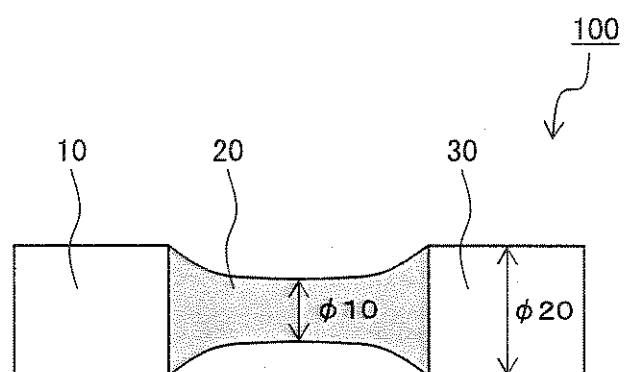
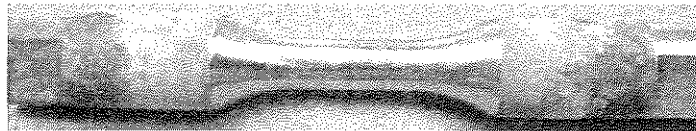
FIG. 2

FIG. 3(A)

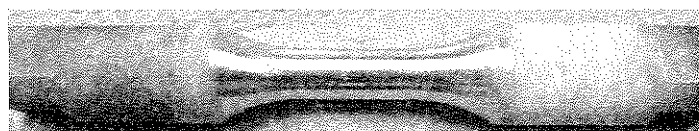
Example 6
(196N·m)



No cracks and no delamination

FIG. 3(B)

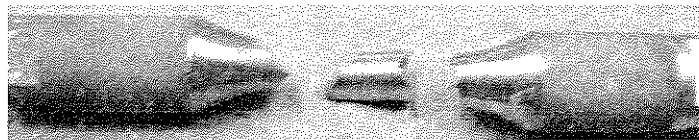
Example 6
(294N·m)



No cracks and no delamination

FIG. 3(C)

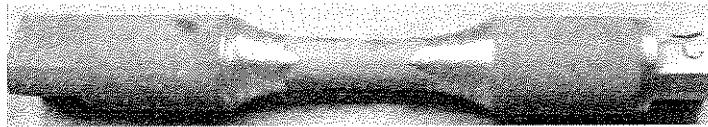
Example 6
(401N•m)



Base material broken, but no cracks and no delamination

FIG. 3(D)

Example 6
(191N·m)



Cracks and delamination present