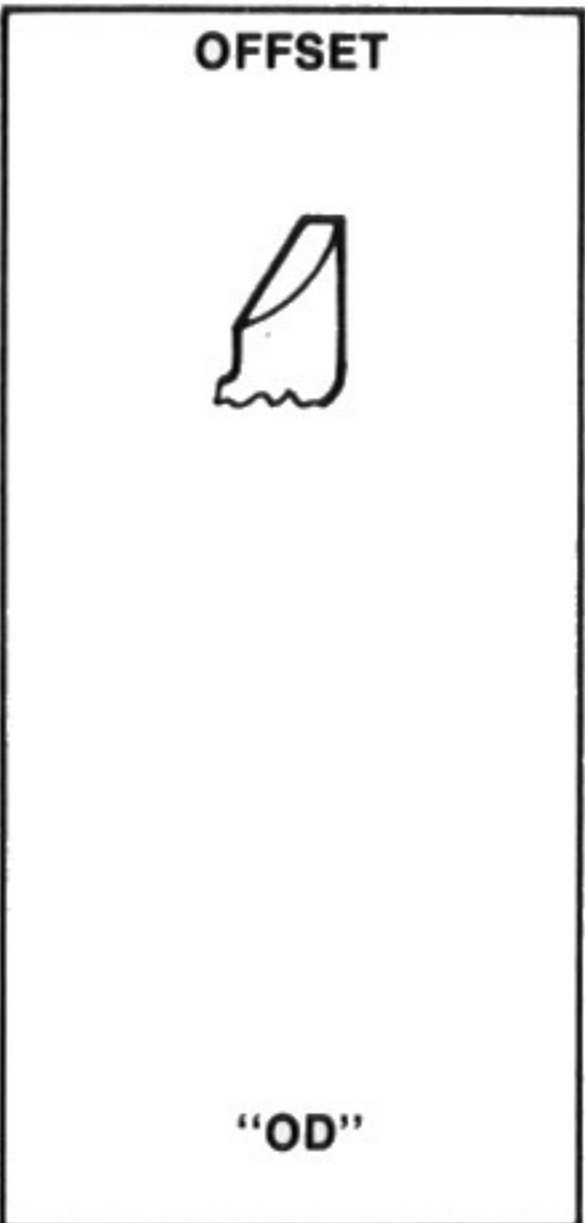
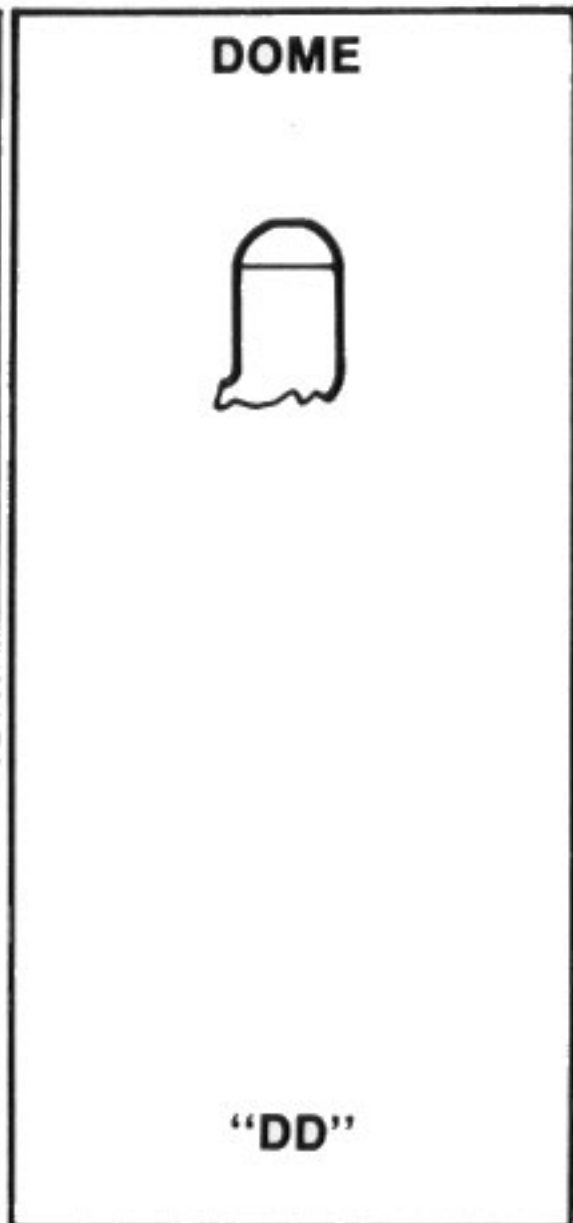
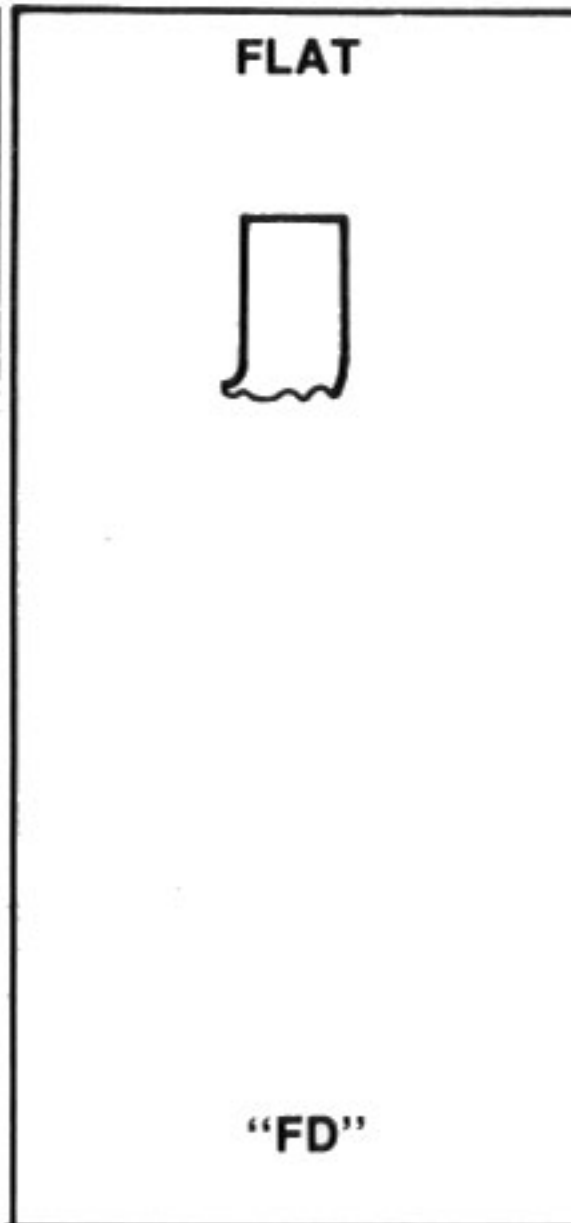
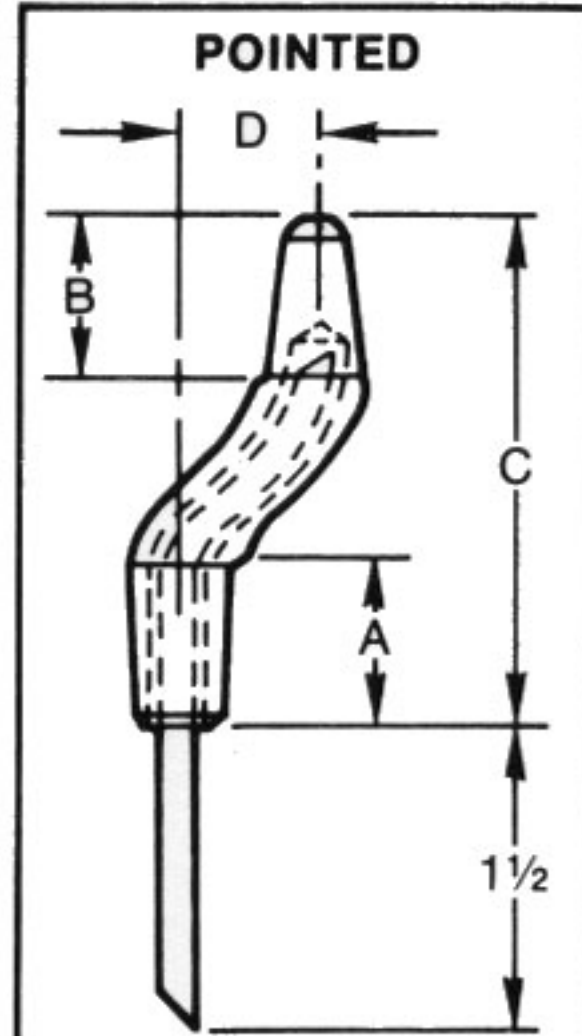


For Nose Dimensions Refer To Page 18

Other Nose Shapes Available—
 "CD"—Cone
 "RD"—2" Radius

Water Tube Size
 No. 1 Morse Taper .182 Dia.
 No. 2 Morse Taper .245 Dia.



No. 1 MORSE TAPER

| TAPER LENGTH "A" | NOSE LENGTH "B" | OVERALL LENGTH "C" | OFFSET "D" | PART NUMBER | | PART NUMBER | | PART NUMBER | | PART NUMBER | |
|---------------------|--------------------|-----------------------|---------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| | | | | CLASS I | CLASS II | CLASS I | CLASS II | CLASS I | CLASS II | CLASS I | CLASS II |
| 3/4 | 3/4 | 2 | 1/2 | PD-11-A4 | PD-12-A4 | FD-11-A4 | FD-12-A4 | DD-11-A4 | DD-12-A4 | OD-11-A4 | OD-12-A4 |
| 1 3/4 | 3/4 | 3 | | PD-11-B4 | PD-12-B4 | FD-11-B4 | FD-12-B4 | DD-11-B4 | DD-12-B4 | OD-11-B4 | OD-12-B4 |
| 3/4 | 1 3/4 | 3 | | PD-11-C4 | PD-12-C4 | FD-11-C4 | FD-12-C4 | DD-11-C4 | DD-12-C4 | OD-11-C4 | OD-12-C4 |
| 3/4 | 3/4 | 2 | 3/4 | PD-11-A6 | PD-12-A6 | FD-11-A6 | FD-12-A6 | DD-11-A6 | DD-12-A6 | OD-11-A6 | OD-12-A6 |
| 1 3/4 | 3/4 | 3 | | PD-11-B6 | PD-12-B6 | FD-11-B6 | FD-12-B6 | DD-11-B6 | DD-12-B6 | OD-11-B6 | OD-12-B6 |
| 3/4 | 1 3/4 | 3 | | PD-11-C6 | PD-12-C6 | FD-11-C6 | FD-12-C6 | DD-11-C6 | DD-12-C6 | OD-11-C6 | OD-12-C6 |
| 3/4 | 3/4 | 2 | 1 | PD-11-A8 | PD-12-A8 | FD-11-A8 | FD-12-A8 | DD-11-A8 | DD-12-A8 | OD-11-A8 | OD-12-A8 |
| 1 3/4 | 3/4 | 3 | | PD-11-B8 | PD-12-B8 | FD-11-B8 | FD-12-B8 | DD-11-B8 | DD-12-B8 | OD-11-B8 | OD-12-B8 |
| 3/4 | 1 3/4 | 3 | | PD-11-C8 | PD-12-C8 | FD-11-C8 | FD-12-C8 | DD-11-C8 | DD-12-C8 | OD-11-C8 | OD-12-C8 |
| 3/4 | 3/4 | 2 1/8 | 1 1/4 | PD-11-A10 | PD-12-A10 | FD-11-A10 | FD-12-A10 | DD-11-A10 | DD-12-A10 | OD-11-A10 | OD-12-A10 |
| 1 3/4 | 3/4 | 3 1/8 | | PD-11-B10 | PD-12-B10 | FD-11-B10 | FD-12-B10 | DD-11-B10 | DD-12-B10 | OD-11-B10 | OD-12-B10 |
| 3/4 | 1 3/4 | 3 1/8 | | PD-11-C10 | PD-12-C10 | FD-11-C10 | FD-12-C10 | DD-11-C10 | DD-12-C10 | OD-11-C10 | OD-12-C10 |

No. 2 MORSE TAPER

| TAPER LENGTH "A" | NOSE LENGTH "B" | OVERALL LENGTH "C" | OFFSET "D" | PART NUMBER | | PART NUMBER | | PART NUMBER | | PART NUMBER | |
|---------------------|--------------------|-----------------------|---------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| | | | | CLASS I | CLASS II | CLASS I | CLASS II | CLASS I | CLASS II | CLASS I | CLASS II |
| 1 | 1 | 2 1/2 | 1/2 | PD-21-A4 | PD-22-A4 | FD-21-A4 | FD-22-A4 | DD-21-A4 | DD-22-A4 | OD-21-A4 | OD-22-A4 |
| 1 3/4 | 1 | 3 1/4 | | PD-21-B4 | PD-22-B4 | FD-21-B4 | FD-22-B4 | DD-21-B4 | DD-22-B4 | OD-21-B4 | OD-22-B4 |
| 1 | 1 3/4 | 3 1/4 | | PD-21-C4 | PD-22-C4 | FD-21-C4 | FD-22-C4 | DD-21-C4 | DD-22-C4 | OD-21-C4 | OD-22-C4 |
| 1 | 1 | 2 5/8 | 3/4 | PD-21-A6 | PD-22-A6 | FD-21-A6 | FD-22-A6 | DD-21-A6 | DD-22-A6 | OD-21-A6 | OD-22-A6 |
| 1 3/4 | 1 | 3 3/8 | | PD-21-B6 | PD-22-B6 | FD-21-B6 | FD-22-B6 | DD-21-B6 | DD-22-B6 | OD-21-B6 | OD-22-B6 |
| 1 | 1 3/4 | 3 3/8 | | PD-21-C6 | PD-22-C6 | FD-21-C6 | FD-22-C6 | DD-21-C6 | DD-22-C6 | OD-21-C6 | OD-22-C6 |
| 1 | 1 | 2 5/8 | 1 | PD-21-A8 | PD-22-A8 | FD-21-A8 | FD-22-A8 | DD-21-A8 | DD-22-A8 | OD-21-A8 | OD-22-A8 |
| 1 3/4 | 1 | 3 3/8 | | PD-21-B8 | PD-22-B8 | FD-21-B8 | FD-22-B8 | DD-21-B8 | DD-22-B8 | OD-21-B8 | OD-22-B8 |
| 1 | 1 3/4 | 3 3/8 | | PD-21-C8 | PD-22-C8 | FD-21-C8 | FD-22-C8 | DD-21-C8 | DD-22-C8 | OD-21-C8 | OD-22-C8 |
| 1 | 1 | 2 3/4 | 1 1/4 | PD-21-A10 | PD-22-A10 | FD-21-A10 | FD-22-A10 | DD-21-A10 | DD-22-A10 | OD-21-A10 | OD-22-A10 |
| 1 3/4 | 1 | 3 1/2 | | PD-21-B10 | PD-22-B10 | FD-21-B10 | FD-22-B10 | DD-21-B10 | DD-22-B10 | OD-21-B10 | OD-22-B10 |
| 1 | 1 3/4 | 3 1/2 | | PD-21-C10 | PD-22-C10 | FD-21-C10 | FD-22-C10 | DD-21-C10 | DD-22-C10 | OD-21-C10 | OD-22-C10 |