

HIGH SPEED STEEL MORSE TAPER EXTENSION SOCKETS

ICS USA

ADAPTERS

GROUND FINISH



HARDENED TANG ONLY
(Ground Externally)

INSIDE HOLE

OUTSIDE TAPER



HARDENED THROUGHOUT
(Ground Externally & Internally)

Morse Taper Extension Sockets are designed to adapt morse taper shank tools to larger or smaller morse taper holders. They can also be used to extend the length of taper shank tools. The concentricity between external and internal tapers is within .002". This tool is also referred to as a Fitted Socket.

| SIZE | INSIDE HOLE TAPER | OUTSIDE TAPER SHANK | OVERALL LENGTH | HIGH SPEED STEEL | |
|--------|-------------------------|---------------------------|-------------------|------------------|-------------|
| | | | | HARD TANG | HARD/GROUND |
| | | | | MTES | MTESH |
| 1 TO 2 | 1 | 2 | 6-3/4 | 29.14 | 39.98 |
| 1 TO 3 | 1 | 3 | 7-1/2 | 35.42 | 58.80 |
| 1 TO 4 | 1 | 4 | 8-3/4 | 42.46 | 58.80 |
| 1 TO 5 | 1 | 5 | 10 | 66.70 | 58.80 |
| 2 TO 1 | 2 | 1 | 6-1/4 | 33.88 | 39.98 |
| 2 TO 2 | 2 | 2 | 7-1/2 | 33.88 | 39.98 |
| 2 TO 3 | 2 | 3 | 8 | 33.88 | 47.04 |
| 2 TO 4 | 2 | 4 | 9-1/4 | 44.58 | 58.80 |
| 2 TO 5 | 2 | 5 | 10-3/4 | 61.74 | 101.86 |
| 3 TO 2 | 3 | 2 | 8-1/4 | 42.10 | 58.80 |
| 3 TO 3 | 3 | 3 | 9 | 42.10 | 58.80 |
| 3 TO 4 | 3 | 4 | 10 | 42.10 | 58.80 |

| SIZE | INSIDE HOLE TAPER | OUTSIDE TAPER SHANK | OVERALL LENGTH | HIGH SPEED STEEL | |
|--------|-------------------------|---------------------------|-------------------|------------------|-------------|
| | | | | HARD TANG | HARD/GROUND |
| | | | | MTES | MTESH |
| 3 TO 5 | 3 | 5 | 11-1/2 | 65.98 | 101.86 |
| 4 TO 2 | 4 | 2 | 8-1/2 | 64.58 | 70.56 |
| 4 TO 3 | 4 | 3 | 10-5/8 | 64.58 | 94.08 |
| 4 TO 4 | 4 | 4 | 11-5/8 | 64.58 | 94.08 |
| 4 TO 5 | 4 | 5 | 12-1/2 | 80.68 | 164.64 |
| 4 TO 6 | 4 | 6 | 14 | 184.04 | 235.20 |
| 5 TO 3 | 5 | 3 | 10-1/2 | 144.24 | 164.64 |
| 5 TO 4 | 5 | 4 | 13-1/8 | 144.24 | 164.64 |
| 5 TO 5 | 5 | 5 | 14-1/2 | 151.02 | 169.34 |
| 5 TO 6 | 5 | 6 | 16 | 184.04 | 275.18 |
| 6 TO 5 | 6 | 5 | 16 | 352.80 | 411.60 |

HIGH SPEED STEEL MORSE TAPER SLEEVES

ICS USA

ADAPTERS

GROUND FINISH



HARDENED TANG ONLY
(Ground Externally)

INSIDE HOLE

OUTSIDE TAPER



HARDENED THROUGHOUT
(Ground Externally & Internally)

Morse Taper Sleeves are designed to adapt morse taper shank tools to larger morse taper holders. The concentricity between external and internal tapers is within .001". They are sometimes referred to as Shell Sockets, Reduction Sleeves, Drill Sleeves or Drill Sockets.

| SIZE | INSIDE HOLE TAPER | OUTSIDE TAPER SHANK | OVERALL LENGTH | HIGH SPEED STEEL | |
|--------|-------------------------|---------------------------|-------------------|------------------|-------------|
| | | | | HARD TANG | HARD/GROUND |
| | | | | MTS | MTSH |
| 1 TO 2 | 1 | 2 | 3-5/8 | 15.06 | 24.60 |
| 1 TO 3 | 1 | 3 | 3-7/8 | 17.06 | 32.32 |
| 1 TO 4 | 1 | 4 | 4-7/8 | 26.46 | 52.00 |
| 1 TO 5 | 1 | 5 | 6-1/8 | 47.04 | 79.38 |
| 2 TO 3 | 2 | 3 | 4-3/8 | 17.06 | 32.34 |
| 2 TO 4 | 2 | 4 | 5 | 22.94 | 55.86 |

| SIZE | INSIDE HOLE TAPER | OUTSIDE TAPER SHANK | OVERALL LENGTH | HIGH SPEED STEEL | |
|--------|-------------------------|---------------------------|-------------------|------------------|-------------|
| | | | | HARD TANG | HARD/GROUND |
| | | | | MTS | MTSH |
| 2 TO 5 | 2 | 5 | 6-1/8 | 47.04 | 79.38 |
| 3 TO 4 | 3 | 4 | 5-1/2 | 26.72 | 56.00 |
| 3 TO 5 | 3 | 5 | 6-1/8 | 47.04 | 79.38 |
| 4 TO 5 | 4 | 5 | 6-3/4 | 60.56 | 79.38 |
| 4 TO 6 | 4 | 6 | 8-5/8 | 115.84 | 211.68 |
| 5 TO 6 | 5 | 6 | 8-5/8 | 125.84 | 211.68 |