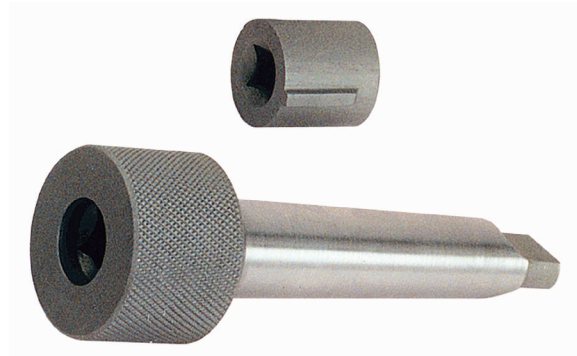


MANDREL DRIVES

Taper Shank - Interchangeable Female Square

Morse Taper No.	Square Size	Model No.	Insert Square Size	Insert Model No.
2	3/8"	MM/2/95	3/8"	MDT/95
	1/2"	MM/2/127	1/2"	MDT/127
3	3/8"	MM/3/95	3/8"	MDT/95
	1/2"	MM/3/127	1/2"	MDT/127
	3/4"	MM/3/190	3/4"	MDT/190
	1"	MM/3/254	1"	MDT/254
4	3/8"	MM/4/95	3/8"	MDT/95
	1/2"	MM/4/127	1/2"	MDT/127
	3/4"	MM/4/190	3/4"	MDT/190
	1"	MM/4/254	1"	MDT/254
5	3/8"	MM/5/95	3/8"	MDT/95
	1/2"	MM/5/127	1/2"	MDT/127
	3/4"	MM/5/190	3/4"	MDT/190
	1"	MM/5/254	1"	MDT/254



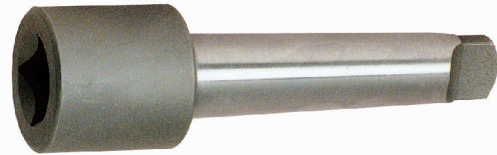
Use - Mandrel drives serve the purpose of adapting tube expander mandrels to existing air or electric drills. Loosening the knurled nut, releases the square insert type of socket for the introduction of another size of insert to couple to other size of mandrel square.

Taper Shank - Male Square



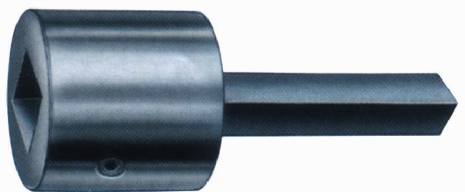
Morse Taper No.	Square Size	Model No.
1	3/8"	MTM/1/95
	1/2"	MTM/1/127
2	3/8"	MTM/2/95
	1/2"	MTM/2/127
3	3/4"	MTM/3/190
	1"	MTM/3/254
4	3/4"	MTM/4/190
	1"	MTM/4/254

Taper Shank - Female Square



Morse Taper No.	Square Size	Model No.
1	3/8"	MTF/1/95
	1/2"	MTF/1/127
2	3/8"	MTF/2/95
	1/2"	MTF/2/127
3	3/4"	MTF/3/190
	1"	MTF/3/254
4	3/4"	MTF/4/190
	1"	MTF/4/254

Triangle Shank - Female Square



Square Size	Chuck Size	Model No.
3/8"	1/4"	MTC/95/63
3/8"	3/8"	MTC/95/95
3/8"	1/2"	MTC/95/127
1/2"	1/2"	MTC/127/127

Reversible Ratchet Wrench



Square Size	Length	Model No.
3/8"	8"	HR/95
1/2"	10"	HR/127
3/4"	20"	HR/195
1"	24"	HR/254

Note : Ratchets are also available with hexagonal female openings for driving one revolution tube cutters and other items.