

Boiler Tube Expanders

Universal Joints and Extensions

■ Right Angle Worm Gear Drive



Female Square Size		Male Square Size		Male Square Size	OAL		Gear Housing						Min. Hand Hole Dia.		Gear Ratio	
mm	inch	mm	inch		mm	inch	Length		Width		Thk.		mm	inch	mm	inch
12.70	1/2	12.70	1/2	RW-127-127	258.7	10-3/16	80.96	3-3/16	57.15	2-1/4	34.92	1-3/8	85.72	3-3/8	114.3	4-1/2 to 1
12.70	1/2	19.05	3/4	RW-127-195	258.7	10-3/16	80.96	3-3/16	57.15	2-1/4	34.92	1-3/8	85.72	3-3/8	114.3	4-1/2 to 1
19.05	3/4	19.05	3/4	RW-195-195	286.5	11-9/32	97.63	3-27/32	66.67	2-5/8	47.62	1-7/8	101.6	4	114.3	4-1/2 to 1
25.40	1	25.40	1	RW-195-254	286.5	11-9/32	107.9	4-1/4	77.78	3-1/16	47.62	1-7/8	114.3	4-1/2	114.3	4-1/2 to 1

■ Reversible Ratchet Wrench



Model No.	Square Size		Length	
	mm	inch	mm	inch
HR-95	9.52	3/8"	203.2	8"
HR-127	12.70	1/2"	254.0	10"
HR-195	19.05	3/4"	508.0	20"
HR-254	25.4	1"	609.6	24"

■ Taper Shank – Interchangeable Female Square



Morse Taper No.		Square Size		Model No.	Insert Square size		Insert Model No.
mm	inch	mm	inch		mm	inch	
50.80	2	9.52	3/8	MM-2-95	9.52	3/8	MD-95
		12.70	1/2	MM-2-127	12.70	1/2	MD-127
76.20	3	9.52	3/8	MM-3-95	9.52	3/8	MD-95
		12.70	1/2	MM-3-127	12.70	1/2	MD-127
		19.05	3/4	MM-3-190	19.05	3/4	MD-190
		25.4	1	MM-3-254	25.4	1	MD-254
101.6	4	9.52	3/8"	MM-4-95	9.52	3/8"	MD-95
		12.70	1/2	MM-4-127	12.70	1/2	MD-127
		19.50	3/4	MM-4-190	19.05	3/4	MD-190
		25.4	1	MM-4-254	25.4	1	MD-254
127	5	9.52	3/8	MM-5-95	9.52	3/8	MD-95
		12.70	1/2	MM-5-127	12.70	1/2	MD-127
		19.05	3/4	MM-5-190	19.05	3/4	MD-190
		25.4	1	MM-5-254	25.4	1	MD-254