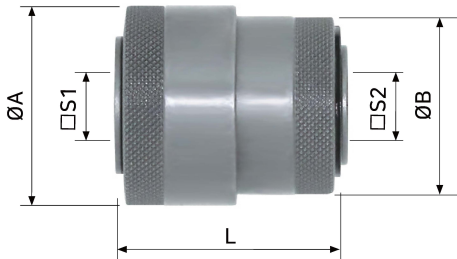


ACCESSORIES FOR TUBE EXPANSION WORK

▶ MANDREL COUPLING



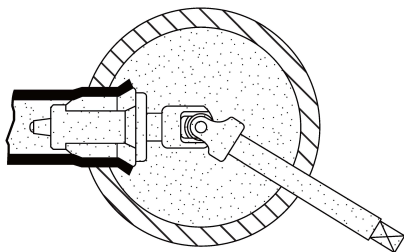
The driving device and tube expanders are firmly connected by a one-touch system.

▼ Size Chart (mm)

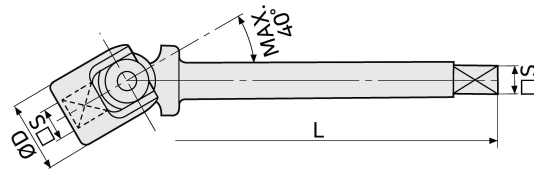
Tool No.	Dimensions				
	A	B	L	□S1	□S2
MK-32	29	26	37	9.5	6.3
MK-33	29	29	41	9.5	9.5
MK-43	32	29	41	12.7	9.5
MK-44	32	32	41	12.7	12.7
MK-63	48	43	53	19.0	9.5
MK-64	48	43	53	19.0	12.7
MK-66	48	48	66	19.0	19.0

▼ UNIVERSAL JOINT

This tool transmits rotational power at an angle, with a maximum operating range of up to 40°. It is used when workspace is limited or when surrounding structures interfere with the tube expansion drive mechanism.



KUE TYPE



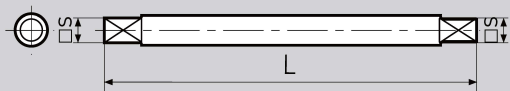
mm(inch)

Tool No.	□S	L	D
KUE-312	9.5 (3/8")	305 (12.0)	32 (1.26)
KUE-416	12.7 (1/2")	406 (16.0)	42 (1.65)
KUE-620	19.0 (3/4")	508 (20.0)	58 (2.28)
KUE-820	25.4 (1")		

Drive Shaft



These are used in combination with a universal joint or a mandrel coupling.



mm(inch)

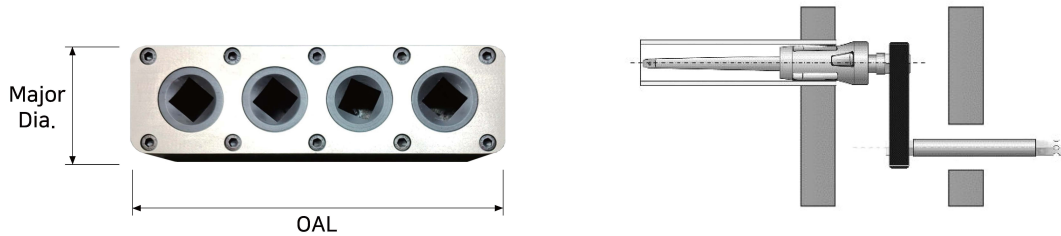
Extension Bar



□S	L
9.5 (3/8")	102(4.0) / 305(12.0)
12.7 (1/2")	
19.0 (3/4")	
25.4 (1")	

ACCESSORIES FOR TUBE EXPANSION WORK

▼ PARALLEL GEAR TRAIN DRIVE



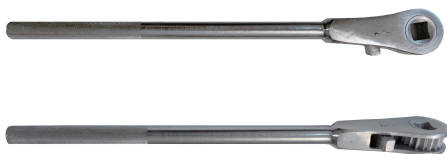
Square Size		Number of Openings	Model No.	Dimensions					
				Overall Length		Width		Thickness	
mm	inch			mm	inch	mm	inch	mm	inch
19.05	3/4	4	BG-4-195	220	8-3/4	65	2-5/8	38	1-1/2

▼ RIGHT ANGLE WORM GEAR DRIVE



Female Square Size		Male Square Size		Model No.	Dimensions						Min. Hand Hole Dia.	
					Length		Width		Thk.			
mm	inch	mm	inch		mm	inch	mm	inch	mm	inch	mm	inch
19.05	3/4	19.05	3/4	RW-195-195	255	10	85	3-3/8	40	1-5/8	36	1-3/8

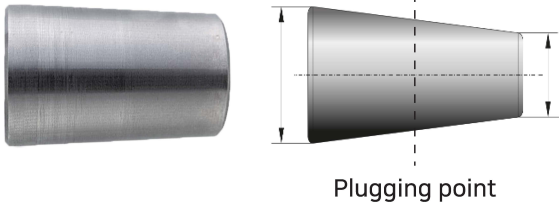
▼ REVERSIBLE RATCHET WRENCH



Model No.	Square Size		Length	
	mm	inch	mm	inch
HR-95	9.5	3/8	203.2	8
HR-127	12.7	1/2	254.0	10
HR-195	19.0	3/4	508.0	20
HR-254	25.4	1	609.6	24

ACCESSORIES FOR TUBE EXPANSION WORK

▼ ONE PIECE TUBE PLUG



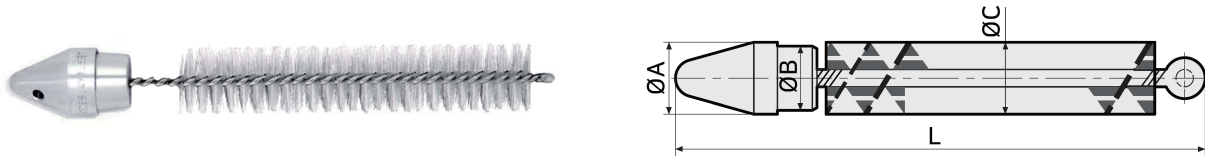
Tube plugs are designed to seal off leaking or damaged tubes in heat exchangers, condensers, boilers, etc. They ensure a uniform joint without damaging the tube sheet.

Tube O.D.		Tube I.D.
mm	inch	
9.52	3/8	The tube thickness needs to be provided
12.70	1/2	
15.88	5/8	
19.05	3/4	
22.22	7/8	
25.40	1	
31.75	1-1/4	
38.10	1-1/2	

Note : material to be specified.

▼ TUBE GUIDE

Used to guide tubes through the tube sheets and support plates during tube bundle assembly.



No.	Tube O.D.		Tube I.D.	L (mm)
	ϕA (mm)	inch		
1	9.52	3/8	The tube thickness needs to be provided	200
2	12.70	1/2		200
3	15.88	5/8		205
4	19.05	3/4		205
5	22.22	7/8		210
6	25.40	1		215
7	31.75	1-1/4		220

Note : Customized specifications are available upon request.

▼ TUBE CLEANERS



NYLON BRUSH



STAINLESS STEEL BRUSH



BRASS BRUSH