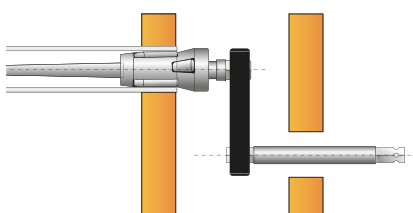
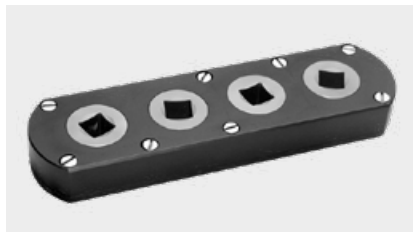


Accessories

PARALLEL GEAR DRIVE

L=235 W=33 H=70 MM

For use inside the header boxes where hand holes are not in line with tube centerline.

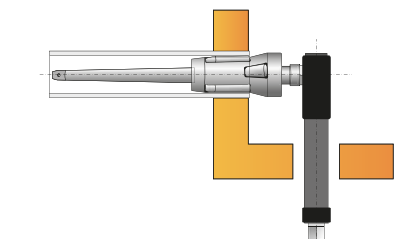


SQUARE DRIVE		TOOL
[INCH]	[MM]	
1/2" x 1/2"	12,7 x 12,7	P-Drive-127
3/4" x 3/4"	19,0 x 19,0	P-Drive-190
1" x 1"	25,4 x 25,4	P-Drive-254

RIGHT ANGLE GEAR DRIVE

L=292 W=45 H=98 MM

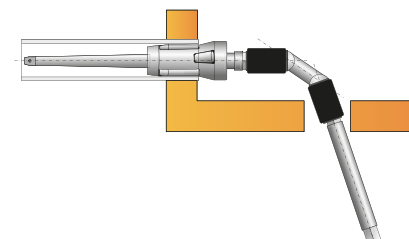
For use inside header boxes where handholds are at right angle to the tube centerline. For hand and power use.



SQUARE DRIVE		TOOL
[INCH]	[MM]	
1/2" x 1/2"	12,7 x 12,7	RA-Drive-127
3/4" x 3/4"	19 x 19	RA-Drive-190
3/4" x 1"	19 x 25,4	RA-Drive-254

DOUBLE UNIVERSAL JOINT

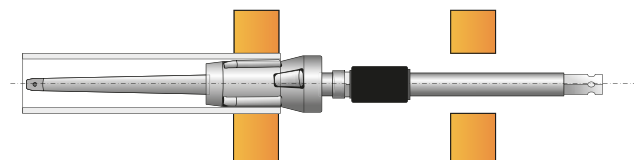
Double Universal Joint and Double Universal Joint with Quick Change Chuck.



SQUARE DRIVE	TOOL	CHUCK
3/8"	DUJ-3/8	-
	DUJ-3/8-QCC	QCC
1/2"	DUJ-1/2	-
	DUJ-1/2-QCC	QCC
3/4"	DUJ-3/4	FxF
1"	DUJ-1	FxF

EXTENSIONS

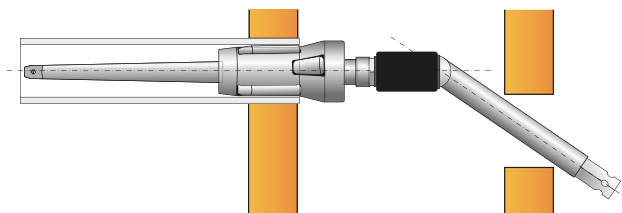
Extensions and extensions with Quick Change Chuck (QCC), single and double.



SQUARE DRIVE [INCH]	TOOL	LENGTHS		QCC
		[INCH]	[MM]	
3/8"	Ext-3/8	8; 12; 24; 36	200; 300; 600; 900	-
	Ext-3/8-QCC	8; 12; 24; 36	200; 300; 600; 900	1
	Ext-3/8-2QCC	8; 12; 24; 36	200; 300; 600; 900	2
1/2"	Ext-1/2	8; 12; 24; 36	200; 300; 600; 900	-
	Ext-1/2-QCC	8; 12; 24; 36	200; 300; 600; 900	1
	Ext-1/2-2QCC	8; 12; 24; 36	200; 300; 600; 900	2
3/4"	Ext-3/4	8; 12; 24; 36	200; 300; 600; 900	-
1"	Ext-1	8; 12; 24; 36	200; 300; 600; 900	-

SINGLE UNIVERSAL JOINT

Single Universal Joint and Single Universal joint with Quick Change Chuck (QCC).

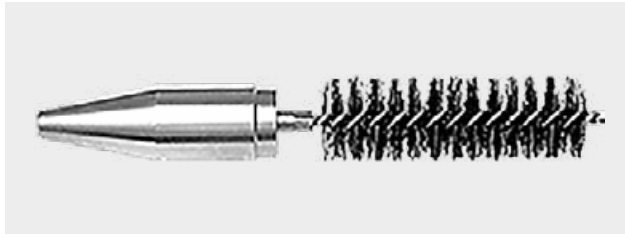


SQUARE [INCH]	TOOL	AVAILABLE LENGTHS		QCC
		[INCH]	[MM]	
3/8	SUJ-3/8	8; 12; 24; 36	200; 300; 600; 900	-
	SUJ-3/8-QCC	8; 12; 24; 36	200; 300; 600; 900	+
1/2	SUJ-1/2	8; 12; 24; 36	200; 300; 600; 900	-
	SUJ-1/2-QCC	8; 12; 24; 36	200; 300; 600; 900	+
3/4	SUJ-3/4	8; 12; 24	200; 300; 600	-
1	SUJ-1	8; 12; 24	200; 300; 600	-

Accessories

TUBE GUIDE

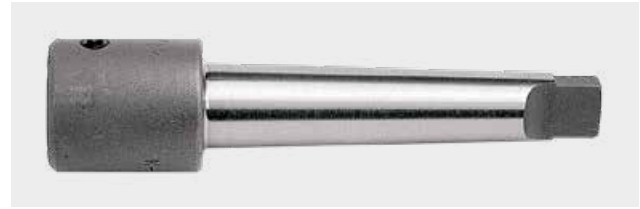
The Tube Guide consist of a steel or aluminium or plastic tapered head and an replaceable nylon brush, and it's used to guide tubes through the sheets and the tube support plates during tube bundles assembling. The nylon brush fits in the tube end, holding pilot firmly in place.



TUBE OD		TUBE GAUGE	TUBE GUIDE
[INCH]	[MM]		
1/2	12,7	16-18	TG-1
		19-20	TG-2
		21-23	TG-3
5/8	15,88	12-13	TG-4
		14-16	TG-5
		17-20	TG-6
		22-24	TG-7
3/4	19,05	10-12	TG-8
		13-16	TG-9
		17-20	TG-10
		21-22	TG-11
7/8	22,2	10-12	TG-12
		13-16	TG-13
		17-20	TG-14
		22-24	TG-15
1	25,4	8-9	TG-16
		10-12	TG-17
		13-16	TG-18
		17-20	TG-19
		21-23	TG-20
1-1/4	31,7	15.	TG-21
		16-	TG-22
1-1/2	38,1	15.	TG-23
		16-	TG-24

MOTOR COUPLING

Motor coupling and Motor coupling with Quick Change Chuck (QCC)



SQUARE	TOOL	LENGTH	QCC
3/8	MT-2x3/8"	2"	
	MT-2x3/8"-QCC	2"	YES
1/2	MT-2x1/2	2"	
	MT-2x1/2"-QCC	2"	YES
3/8	MT-2x3/8"	2"	
1/2	MT-3x1/2"	3"	
3/4	MT-3x3/4"	3"	
1	MT-4x1"	4"	

URH-1925 UNIVERSAL RATCHET HANDLE

Manual drive for tube expanders. One side 3/4" square drive, other side 1" square drive. Allows rotation transmitted by a ratched mechanism.



Testing pumps

All testing pumps are delivered „ready for use” and equipped with:

- ▶ tank (Except PEM 30),
- ▶ pressure gauge,
- ▶ drain valve,
- ▶ flexible hose. 16” long. (3” for PEM 30 / 6” for PEM 40)

The seals used are made for usage with water, fluid oil or gas-oil.
Please call us any other liquids.

PEM HAND OPERATED PUMP



LE-PTP ELECTRIC PUMP



PTP1201 PNEUMATIC PUMP



MODEL	DRIVEN	SERVICE PRESSURE		DIAMETER	STROKE	VOLUME PER STROKE		TANK CAPACITY		WEIGHT	
		BAR	PSI	MM	MM	CM ³	IN ³	LITRES	U.S.G	KG	LBS
PEM 30	Hand	30	400	14	400	61	3,7	-	-	4,2	9,3
PEM 40		60	850	20	34	10	0,6	14	3,7	6,3	14
PEM 50		50	700	30	40	28	1,7	45	11,9	13	29
PEM 100		100	1400	22	40	15	0,9	45	11,9	13	29
PEM 200		200	2800	50x16	40	78x8	48x0,5	45	11,9	18	40
PEM 600		600	8500	32x12	40	32x4	2x0,25	60	15,9	35	77,8
PEM 1000		1000	14000	32x8	40	32x2	2x0,12	60	15,9	35	77,8
LE-PTP 180	ELECTIRC	180	2548	-	-	-	-	100	26,45	60	132,3
PTP 1201	PNEUMATIC	720*	10200*	-	-	-	-	10	2,64	21	46,3

* depends on air pressure