

H-SERIES PULSE TOOLS

Cleco[®]



WE REFINE PULSE TOOLS.

Cleco[®]

H-SERIES PULSE TOOLS

DURABLE.

ECONOMICAL.

LOW MAINTENANCE.

We are constantly improving our products to guarantee you optimum productivity.

The Cleco H-Series combines legendary durability with unmatched repeatability so you will be able to complete every joint quickly and reliably.

Due to the excellent power-weight ratio, **you will not want to put it down again.**



**UNBEATABLE
PERFORMANCE.**

With 54 models of shut-off and non-shut-off pulse tools to choose from, you are sure to find just the right Cleco Pulse Tool for the job.

CUSTOMER FEEDBACK:

At MAN in Salzgitter we are using several pulse tools in very challenging applications where we make high demands on torque, durability and follow-up costs. The types of Cleco pulse tools which I am using in production are meeting these requirements perfectly, both in terms of repeatability, maintenance costs and quality. They work maintenance free until today since placing them into operation 15 months ago.

*Dirk Schupmann
Planning Support
MAN Truck & Bus AG*



WIND ENERGY



AEROSPACE



OFF-ROAD & CONSTRUCTION



HEAVY TRUCKS



DRIVE-LINE ASSEMBLY



GENERAL INDUSTRY



AGRICULTURE



AUTOMOTIVE



RAILROAD





Outstanding Ergonomics

Leading motor design combined with new body development provides exceptional biotechnology. Less vibrations allow for greater operator comfort.



Powerful and Efficient 3-Chamber Air Motor

With speed governor and oilless blades. Reduces tightening time with increased torque. Unique design reduces blade wear and lowers total cost of ownership.



3-Chamber Motor Housing



50% Lower Air Consumption @ Free-Speed

Innovative centrifugal speed control does not release the entire capacity before run down has ended. Enables operation to as low as 4 bar. Lower air consumption drives lower cost of ownership.



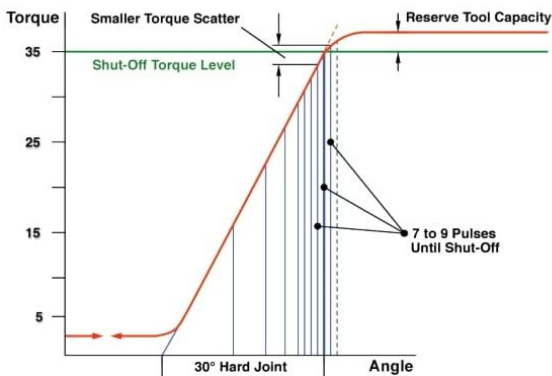
Easy Torque Set-Up

Simply insert hex into rear port of tool.



High-Precision Shut-Off

Mechanism ranges close to electric tool characteristics at a tolerance of +/- 10% at Six Sigma.



Hard Joint Reference



Easily Adjustable Motor Speed

Ensures accuracy on hard joints. Can be locked into place to prevent accidental modification.





NEW Reduced Tool Maintenance

Double-chambered pulse unit with built-in automatic oil reserve. Up to 500.000 cycles before the first service.

Completely Re-Engineered Pulse Unit

Delivers market-leading repeatability for hard and soft joints.



Drive Spindle Bearing



Ships Ready for Error-Proofing

Works with existing TVP torque verifier. Port located near air inlet to maximize ergonomics.



Standard Air Signal-Indicating Tool Shut-Off for use with Cleco TVP Error-Proofing System



H-SERIES SPECIFICATIONS



MODEL NUMBER	DRIVE TYPE	TORQUE RANGE	FREE SPEED	WEIGHT	SIDE TO CENTER	AIR CONSUMPTION				
		Nm	RPM	kg		mm	NPT	Hose I.D.	Free Speed m ³ /min	Load m ³ /min
H-SERIES PISTOL GRIP SHUT-OFF MODELS										
7PTHH352	1/4" Sq.Dr.	4-7	3500	0,79	21	1/4"	3/8"	0,1	0,25	
7PTHH35Q	1/4" QC	4-7	3500	0,79	21	1/4"	3/8"	0,1	0,25	
11PTHH352	1/4" Sq.Dr.	6-11	3500	0,82	21	1/4"	3/8"	0,15	0,3	
11PTHH35Q	1/4" QC	6-11	3500	0,85	21	1/4"	3/8"	0,15	0,3	
11PTHH353*	3/8" Sq.Dr.	6-11	3500	0,83	21	1/4"	3/8"	0,15	0,3	
20PTHH40Q	1/4" QC	10-20	4000	0,87	21	1/4"	3/8"	0,15	0,3	
20PTHH403*	3/8" Sq.Dr.	10-20	4000	0,86	21	1/4"	3/8"	0,15	0,3	
35PTHH40Q	1/4" QC	20-35	4000	1,05	24	1/4"	3/8"	0,2	0,4	
35PTHH403*	3/8" Sq.Dr.	20-35	4000	1,05	24	1/4"	3/8"	0,2	0,4	
55PTHH403*	3/8" Sq.Dr.	30-55	4000	1,15	24	1/4"	3/8"	0,3	0,6	
80PTHH35Q	7/16" QC	50-80	3500	1,45	28,5	1/4"	3/8"	0,3	0,6	
80PTHH354	1/2" Sq.Dr.	50-80	3500	1,40	28,5	1/4"	3/8"	0,3	0,6	
110PTHH30Q	7/16" QC	75-110	3000	1,70	28,5	1/4"	1/2"	0,4	0,8	
120PTHH304	1/2" Sq.Dr.	75-120	3000	1,70	28,5	1/4"	1/2"	0,4	0,8	

PTHHA = Add "A" after "HH" in model number to denote Top Air Inlet option when ordering.
 (*) 7/16" Quick Change Chuck available separately as an accessory.

General: Tool performance rated at 6 bar air pressure.
Standard Equipment: Suspension bail and torque adjusting wrench. Torque signal port (pistol grip models only).



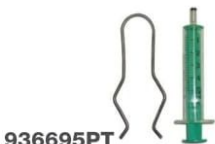
MODEL NUMBER	DRIVE TYPE	TORQUE RANGE	FREE SPEED	WEIGHT	SIDE TO CENTER	AIR CONSUMPTION				
		Nm	RPM	kg		mm	NPT	Hose I.D.	Free Speed m ³ /min	Load m ³ /min
H-SERIES PISTOL GRIP NON-SHUT-OFF MODELS										
7PHH602	1/4" Sq.Dr.	4-7	6000	0,77	21	1/4"	3/8"	0,3	0,25	
7PHH60Q	1/4" QC	4-7	6000	0,79	21	1/4"	3/8"	0,3	0,25	
11PHH653*	3/8" Sq.Dr.	6-11	6500	0,79	21	1/4"	3/8"	0,35	0,3	
11PHH652	1/4" Sq.Dr.	6-11	6500	0,78	21	1/4"	3/8"	0,35	0,3	
11PHH65Q	1/4" QC	6-11	6500	0,80	21	1/4"	3/8"	0,35	0,3	
20PHH753*	3/8" Sq.Dr.	10-20	7500	0,84	21	1/4"	3/8"	0,4	0,3	
20PHH75Q	1/4" QC	10-20	7500	0,86	21	1/4"	3/8"	0,4	0,3	
35PHH653*	3/8" Sq.Dr.	20-35	6500	1,02	24	1/4"	3/8"	0,55	0,4	
35PHH65Q	1/4" QC	20-35	6500	1,03	24	1/4"	3/8"	0,55	0,4	
55PHH603*	3/8" Sq.Dr.	30-55	6000	1,12	24	1/4"	3/8"	0,75	0,6	
80PHH604	1/2" Sq.Dr.	50-80	6000	1,40	28,5	1/4"	3/8"	0,7	0,6	
80PHH60Q	7/16" QC	50-80	6000	1,41	28,5	1/4"	3/8"	0,7	0,6	
110PHH55Q	7/16" QC	75-110	5500	1,66	28,5	1/4"	1/2"	0,9	0,8	
120PHH554	1/2" Sq.Dr.	75-120	5500	1,65	28,5	1/4"	1/2"	0,9	0,8	

PHHA = Add "A" after "HH" in model number to denote Top Air Inlet option when ordering.
 (*) 7/16" Quick Change Chuck available separately as an accessory.

General: Tool performance rated at 6 bar air pressure.
Standard Equipment: Suspension bail



931041 Rubber Tool Stand



936695PT Reserve Oil Filling Set



928483 Filler Unit

MODEL NUMBER	DESCRIPTION
ACCESSORIES	
931041	H-Series 7PTH-120PTH (One Piece Rubber Tool Stand)
934918	Signal-Kit for torque verifier TVP110
935472	7/16" Quick-Change Chuck for 11/20/35/55PTHH/PTHHA/PHH/PHHA
935965	Vibration absorber for 35/55PTHH/PHHA
935966	Vibration absorber for 80/110/120PTHH/PHHA
928483	Filler Unit
935718	Connector (Angle)
936695PT	Reserve Oil Filling Set (Syringe and Distancer)
539317	Hydraulic Oil (One Quart)
TVP-110-30-D (230V)*	Torque verifier; 2,72kg; W x H x D 222 x 232 x 105mm

* = Power cable, air signal-transducer, one 8m-cable for connection with air signal-transducer as well as one 2,3m-air hose for connection with transducer at the tool are included in delivery.
 NOTICE: Tool has to be equipped with a Signal-Kit for TVP-110.

MODEL NUMBER	PULSE REPAIR	MOTOR REPAIR
MAINTENANCE AND SERVICE KITS		
110/120 PHH../PTHH..	936035PT	
7/11/20 PHH../PTHH..	936210	
35/55 PHH../PTHH..	936211	
80 PHH../PTHH..	936212	
7/11/20 PHH..		936158
35 PHH..		936168
55 PHH..		936169
80 PHH..		936178
110/120 PHH..		936179
7 PTHH..		936251PT
35 PTHH..		936252PT
80 PTHH..		936253PT
55 PTHH..		936281PT
110/120 PTHH..		936282PT
11 PTHH..		936283PT
20 PTHH..		936284PT

MODEL NUMBER	DESCRIPTION SHUT-OFF	MODEL NUMBER	DESCRIPTION NON-SHUT-OFF
PROTECTIVE COVERS			
937442PT	7/11/20PTHH/7/11/20PHH	937447PT	7/11/20PTHH/7/11/20PHH
937443PT	35PTHH/35PHH	937448PT	35PTHH/35PHH
937444PT	55PTHH/55PHH	937449PT	55PTHH/55PHH
937445PT	80PTHH/80PHH	937450PT	80PTHH/80PHH
937446PT	110/120PTHH/110/120PHH	937451PT	110/120PTHH/110/120PHH



Protective Cover