



DISMANTLING TOOLS

SPANNER WRENCHES

(1) ADJUSTABLE HEAD — PIN STYLE

PART NUMBER	PART OD RANGE	PIN DIA.	PIN LGTH.	LIST PRICE
SPAP-2.00X0.13	3/4" to 2" (19mm to 50mm)	1/8"	1/8"	\$ 102.37
SPAP-2.00X0.19	3/4" to 2" (19mm to 50mm)	3/16"	5/32"	117.56
SPAP-3.00X0.19	1-1/4" to 3" (32mm to 76mm)	3/16"	3/16"	117.50
SPAP-3.00X0.25	1-1/4" to 3" (32mm to 76mm)	1/4"	7/32"	118.97
SPAP-4.75X0.25	2" to 4-3/4" (51mm to 120mm)	1/4"	1/4"	161.11
SPAP-6.25X0.38	4-1/2" to 6-1/4" (115mm to 159mm)	3/8"	1/4"	172.57



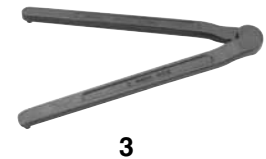
(2) ADJUSTABLE HEAD — HOOK STYLE

PART NUMBER	PART OD RANGE	HOOK WD.	HOOK DP.	LIST PRICE
SPAH-2.00	3/4" to 2" (19mm to 50mm)	11/32"	1/8"	\$ 96.52
SPAH-3.00	1-1/4" to 3" (32mm to 76mm)	13/32"	5/32"	109.09
SPAH-4.75	2" to 4-3/4" (51mm to 120mm)	15/32"	3/16"	151.20
SPAH-6.25	4-1/2" to 6-1/4" (115mm to 159mm)	15/32"	1/4"	161.60
SPAH-8.75	6-1/8" to 8-3/4" (155mm to 222mm)	15/32"	5/16"	197.11

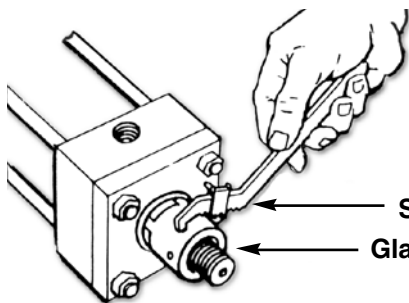


(3) ADJUSTABLE FACE — PIN STYLE

PART NUMBER	DIA. RANGE (CENTER TO CENTER)	PIN DIA.	PIN LGTH.	LIST PRICE
SPAPF-2.00X0.19	5/8" to 2" (16mm to 50mm)	3/16"	1/8"	\$ 87.75
SPAPF-3.00X0.25	5/8" to 3" (16mm to 76mm)	1/4"	3/16"	125.42
SPAPF-4.00X0.31	5/8" to 4" (16mm to 101mm)	5/16"	1/4"	164.01



PARKER GLAND WRENCHES



Spanner Wrench (Sold Separately Above)
Gland Wrench



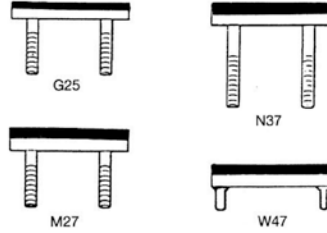
Rod Dia.	Kit #	ID X OD X HT	List Price	Spanner (Sold Separately Above)
1/2", 5/8", 12mm & 14mm	PKH-069590	11/16" X 1-1/8" X 1-3/8"	\$ 104.10	SPAP-2.00X0.19
18mm	PKH-084765	13/16" X 1-1/4" X 1-7/16"	96.56	SPAP-2.00X0.19 or SPAP-3.00X0.19
1" & 22mm	PKH-069591	1-1/16" X 1-5/8" X 1-1/2"	105.86	SPAP-2.00X0.19 or SPAP-3.00X0.19
28mm	PKH-084766	1-1/4" X 1-11/16" X 1-9/16"	111.62	SPAP-2.00X0.19 or SPAP-3.00X0.19
1-3/8" & 36mm	PKH-069592	1-7/16" X 1-7/8" X 1-5/8"	109.32	SPAP-2.00X0.19 or SPAP-3.00X0.19
1-3/4" & 45mm	PKH-069593	1-13/16" X 2-1/4" X 1-5/8"	111.04	SPAP-3.00X0.25 or SPAP-4.75X0.25
2"	PKH-069594	2-1/16" X 2-1/2" X 2"	124.93	SPAP-3.00X0.25 or SPAP-4.75X0.25
2-1/2" & 56mm	PKH-069595	2-9/16" X 3" X 2-1/8"	119.71	SPAP-3.00X0.25 or SPAP-4.75X0.25
70mm	PKH-069596	2-15/16" X 3-1/2" X 2-3/8"	145.85	SPAP-4.75X0.25

ASSORTMENT KITS AND TOOLS

REMANUFACTURING TOOLS

HONE STONE SETS

Stone sets for 2.5" to 60" diameter, portable tools (two stones and two guides per set). For Industrial applications. From fast stock removal in deburred, bored, ground, or reamed holes to fine finishing in previously honed holes, these hone stone sets are in stock and ready for next day delivery.



Stone Number	Diameter
G25	2.5 - 2.7
M27	2.7 - 4.1
N37	3.5 - 5.5
W47	4.1 - 60.0*

* Requires Master Holder Set - Limited to 21" with H-AN-815

ALUMINUM OXIDE STONES

MODEL	G25		M27		N37		W47		
GRIT SIZE	64 TO 69 mm 2.5" - 2.7"	NET PRICE	69 TO 104 mm 2.7" - 4.1"	NET PRICE	89 TO 140 mm 3.5" - 5.5"	NET PRICE	104 TO 1524 mm 4.1" - 60"***	NET PRICE	
80	HARD - SOFT	H-G25-A23	\$ 19.40	H-M27-A23	\$ 19.70	H-N37-A23	\$ 20.30	H-W47-A23	\$ 22.30
		H-G25-A25	20.02	H-M27-A25	20.34	H-N37-A25	20.94	H-W47-A25	23.02
		H-G25-R25X	20.02	H-M27-R25X	20.37	H-N37-R25X	20.95	H-W47-R25X	23.01
		H-G25-A27	19.40	H-M27-A27	19.70	H-N37-A27	20.30	H-W47-A27	22.30
150	H - S	H-G25-A43	\$ 20.02	H-M27-A43	\$ 20.33	H-N37-A43	\$ 20.95	H-W47-A43	\$ 23.01
		H-G25-A45	20.02	H-M27-A45	20.34	H-N37-A45	20.95	H-W47-A45	23.01
		H-G25-A47	19.40	H-M27-A47	19.70	H-N37-A47	20.30	H-W47-A47	22.30
				H-M27-A49	19.70	H-N37-A49	20.30	H-W47-A49	22.30
220	H-S				H-N37-A55	\$ 20.30	H-W47-A55	\$ 22.30	
280	H - S	H-G25-A65	\$ 20.02	H-M27-A65	\$ 20.33	H-N37-A65	\$ 20.30	H-W47-A63	\$ 22.30
				H-M27-A67	19.70			H-W47-A65	23.02
							H-W47-A67	22.30	
MODEL	GY25		MY33		NY40		WY51		
MAX KEYWAY WIDTH	20.3 mm 0.8"		22.86 mm 0.9"		30.48 mm 1.2"		35.56 mm 1.4"		
GRIT SIZE	64 TO 84 mm 2.5" - 3.3"		84 TO 107 mm 3.3" - 4.2"		102 TO 142 mm 4.0" - 5.6"		114 TO 1524 mm 4.5" - 60"		
150	M	H-GY25-A47	\$ 40.50	H-MY33-A47	\$ 41.10	H-NY40-A47	\$ 41.70	H-WY51-A47	\$ 42.20

SILICON CARBIDE STONES

MODEL	G25		M27		N37		W47		
GRIT SIZE	64 TO 69 mm 2.5" - 2.7"	NET PRICE	69 TO 104 mm 2.7" - 4.1"	NET PRICE	89 TO 140 mm 3.5" - 5.5"	NET PRICE	104 TO 1524 mm 4.1" - 60"***	NET PRICE	
70	HARD - SOFT					H-N37-J11	\$ 20.30	H-W47-J11	\$ 22.30
						H-N37-J13	20.30	H-W47-J13	22.30
		H-G25-J15	\$ 19.40					H-W47-J15	22.30
		H-G25-J17	19.40	H-M27-J17	\$ 19.70	H-N37-J17	20.30	H-W47-J17	22.30
150	H - S	H-G25-J45	\$ 20.02	H-M27-J45	\$ 20.34	H-N37-J43	\$ 20.30	H-W47-J43	\$ 22.30
		H-G25-J47	19.40	H-M27-J47	19.70	H-N37-J45	20.94	H-W47-J45	23.02
						H-N37-J47	20.30	H-W47-J47	22.30
220	H - S	H-G25-J55	\$ 19.40	H-M27-J55	\$ 20.34	H-N37-J55	\$ 20.30	H-W47-J55	\$ 22.30
				H-M27-J57	19.70	H-N37-J57	20.30		
280	H - S	H-G25-J63	\$ 19.40	H-M27-J63	\$ 19.70			H-W47-J63	\$ 22.30
		H-G25-J65	20.02	H-M27-J65	20.33	H-N37-J65	\$ 20.94	H-W47-J65	23.01
		H-G25-J67	19.40	H-M27-A67	19.70	H-N37-J67	20.30	H-W47-J67	22.30
400	S - I	H-G25-J85	\$ 20.02	H-M27-J85	\$ 20.34	H-N37-J85	\$ 20.95	H-W47-J85	\$ 23.01
		H-G25-J87	20.02	H-M27-J87	20.34	H-N37-J87	20.95	H-W47-J87	23.01

* R25X - Red aluminum oxide / sulfur Impregnated

** Requires Master Holder Set - Limited to 21" with H-AN-815



REMANUFACTURING TOOLS

PORTABLE HONES

Part Number: H-AN-815
Net Price: \$ 614.04



Additional sizes and accessories shown below

Illustration shows standard AN-815 Portable Hone assembled with single length master holder set and stone set. Requires 16 mm (5/8") chuck capacity for 63.5-127 mm (2.5"-5") diameter. Requires 19mm (3/4") chuck capacity for 127-381 mm (5"-15") diameter. Requires 25.4 mm (1") chuck capacity for larger than 381 mm (15") diameter

Weight 2.3 kg (5 lbs).

HONING OIL - 5 GALLON PAIL

Part Number: H-MB-30-5
Net Price: \$ 102.68






Honing oil is specially formulated for ferrous and non ferrous honing to

- Dissipate heat from the workpiece
- Lubricate tool contact surfaces (guides)
- Flush bore free of honing swarf
- And maintain clean, free cutting abrasive conditions

for continuous honing of most materials, including: steel, cast iron, carbide, aluminum, bronze and ceramics. Use with any make honing equipment or tooling.

FOR A PORTABLE HONE ORDER A + B + C + D + E				A - BASIC HONE		B - MASTER HOLDER SETS				C - STONE SUPPORT		D - STONE SET	E - SHAFT EXTENSION
Diameter Range						Single Length		Double Length					
General Purpose Stone Sets		Guideless and Keyway Stone Sets		Part Number	Net Price	Part Number	Net Price	Part Number	Net Price	Part Number	Net Price		
mm	Inches	mm	Inches										
64-140	2.5-5.5	64-142	2.5-5.6	H-AN-815	\$ 614.04	None		None	-	None	-	See Table on the previous page for portable hone stone sets	For holes longer than 508 mm (20") see table below for Shaft Extensions.
104-160	4.1-6.3	114-165	4.5-6.5	H-AN-815	614.04	H-AN-345	\$ 108.36	None	-	None	-		
119-178	4.7-7.0	130-183	5.1-7.2	H-AN-815	614.04	H-AN-355	110.42	H-AN-855	\$ 154.80	None	-		
152-229	6.0-9.0	163-234	6.4-9.2	H-AN-815	614.04	H-AN-365	112.49	H-AN-865	162.02	H-AN-260	\$ 66.05		
206-305	8.1-12.0	213-310**	8.4-12.2**	H-AN-815	614.04	H-AN-375	114.55	H-AN-875	163.06	H-AN-280	84.11		
279-381	11.0-15.0	284-386**	1.2-15.2**	H-AN-815	614.04	H-AN-385	118.8	H-AN-885	168.22	H-AN-290	99.85		
356-457	14.0-18.0	363-465**	14.3-18.3**	H-AN-815*	614.04	H-AN-395	121.78	H-AN-895	169.25	H-AN-340	117.65		
432-533	17.0-21.0	437-538**	17.2-21.2**	H-AN-815*	614.04	H-AN-415	127.97	H-AN-915	173.38	H-AN-450	138.29		

* For light work only in this diameter range
 ** Do not use WW (Guideless) Stone Sets in this range due to lack of stability

Length		Drive Shanks		Shaft Extensions		Master Holder Sets and Stone Supports	
							
mm	Inches	Part Number	Net Price	Part Number	Net Price		
76	3	H-AN-608A	\$ 23.74	None	-		
152	6	H-AN-618A***	32.80	H-AN-840	\$ 36.84		
305	12	None	-	H-AN-841***	47.47		
610	24	None	-	H-AN-842	165.12		
1220	48	None	-	H-AN-844	199.18		
Furnished with 152 mm (6") Drive Shank and 305 mm (12") Shaft Extension. Other shanks or extensions may be selected from the table above to make up any practical length (either drive shank can be used with any of extensions).							

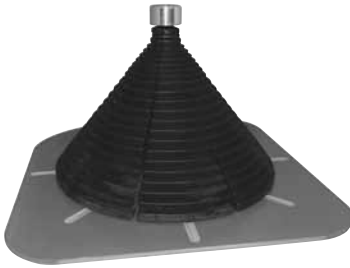
*** Supplied with hone.



REMANUFACTURING TOOLS

PISTON SEAL STRETCHER

Part Number: SEAL STRETCHER
List Price: \$ 177.21



- The Seal Stretcher Includes the following:
- 8 stepped segments
 - 1 top nut/handle
 - 1 o-ring
 - 1 flat base
 - 4 screws
 - 1 threaded rod with a piston pre-installed
 - 1 stop nut
 - 1 aluminum support base
 - 1 spring

PISTON SEAL REFORMING TOOL

Part Number: PS CONSTRICTOR
List Price: \$ 35.67



PTFE Piston seal resizing tool.

MINI GRINDER

Part Number: OR GRINDER
List Price: \$ 196.90



The Mini Grinder has a no load speed of 5000-18,000 rpm adjustable, and includes the following:

- Copper collet: 2.4 & 3.2 (mm)
- 2 Diamonds bits
- 2 Grinding Stones
- 1 Nylon Brush
- 1 Connective posts for sanding bands
- 2 sanding bands
- 1 engraving bit
- 1 collet (2.4 mm)

SEAL CLASPER

Part Number: SEAL CLASPER
List Price: \$ 207.45

- Can be adjusted to fit multiple diameters.
- Tighten PTFE seals quickly and safely.





LEAK DETECTION

LEAK DETECTION KIT

Part Number: LDU-OPK-341

Net Price: \$ 373.69

HOW IT WORKS

A small amount of liquid fluorescent dye is added to a circulating fluid system that is being inspected for leaks. The system is then run for a short time to allow the dye to mix and circulate with the host fluid. The dye/fluid mixture escapes with the host fluid wherever there is a leak and glows a bright yellow/green when inspected with a high-intensity ultraviolet or UV/black light lamp. This method is extremely effective in locating even the smallest, most elusive leaks, as well as multiple leaks.



INDIVIDUAL LEAK DETECTION PRODUCTS

Part Number	Description	Net Price
LDU-CR-800	CLEANER, 8 OZ SPRAY	\$ 11.58
LDU-OIL-GLO-44-P	DYE, ALL-IN-ONE, 16 OZ	105.26
LDU-OPX-3000	LAMP, LED, 115V CHARGER	184.21
LDU-UVS-40	SPECTACLES, UV ENHANCING	18.95



TESTING TOOLS

FasTest® WEH 17 SERIES



Your Ergonomic Solution to Eliminate Wrenches and Bottle-Necks

FasTest® WEH 17 connectors provide leak tight connections for filling, charging, evacuation and pressure testing. The WEH 17 automatically seals when pressurized. Available in lever or pneumatically activated versions to grip and seal to female threads. Test pressures to 3500 psi.

How to Operate

To Connect: Collapse split collets in accordance with the operating method you have selected. Insert collets into female thread of the _____ to be tested. Expand collet to grip and seal. Activate test media through connector side port.

To Disconnect: Deactivate test pressure. Collapse split collets in accordance with the operating method you have selected. Remove connector from test piece.
Caution: WEH Series 17 connectors are not internally valved. Disconnecting while pressurized will cause leakage of test media.

Technical Data

Seals: Nitrile
Materials: Stainless steel
Temperature: -40° to +250°F
Pressure Ranges: 0 to 5000 psi. (static)
Pneumatic Operation: Requires a minimum air supply of 75 psi.
Rated Pressure: Based on test results using threaded ports manufactured to the referenced specifications and steel material. Other materials or deviations from those specifications may reduce the safe working pressure and should be verified by test. For dynamic pressure cycles or heavy side-load applications please see **FasMate®** Series.

NPTF Pipe Thread



PART NUMBER	CONNECTS TO FEMALE THREAD	RATED PRESSURE	NET PRICE
HH17H-40204041-1BB1	1/4" NPTF	5000	\$ 662.39
HH17H-40206061-1BB1*	3/8" NPTF	5000	674.86
HH17H-40208081-1BB1	1/2" NPTF	5000	714.56
HH17H-40212121-1BB1	3/4" NPTF	3500	1019.66

MAIN SEAL SET 5/PKG	NET PRICE
S17-041B	\$ 14.89
S17-061B	14.89
S17-081B	19.64
S17-121B	19.64

SAE O-Ring



PART NUMBER	CONNECTS TO FEMALE THREAD	RATED PRESSURE	NET PRICE
HH17H-044021-1BB1	-4 (7/16-20)	5000	\$ 662.39
HH17H-064041-1BB1	-6 (9/16-18)	5000	662.39
HH17H-084061-1BB1*	-8 (3/4-16)	5000	674.86
HH17H-104081-1BB1	-10 (7/8-14)	5000	714.56
HH17H-124121-1BB1	-12 (1 1/16-12)	3500	1019.66

MAIN SEAL SET 5/PKG	NET PRICE
S17-042B	\$ 14.89
S17-062B	14.89
S17-082B	19.64
S17-102B	19.64
S17-122B	19.64

* In-stock. Additional sizes available for order.



TESTING TOOLS

TwistMate® MIT SERIES

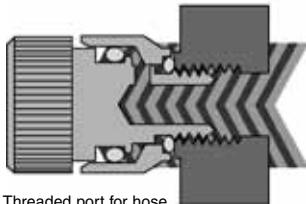


No Wrenches Needed • Hand Tighten Your Port Adapters • Shortens Testing Time

Twistmate® MIT mechanical internal thread connectors and plugs provide fast leak tight threaded connections for testing, filling, flushing, plugging, calibrating or venting applications. The patented pressure assisted sealing eliminates wrench tightening and thread sealants for safe secure connections up to 10,000 psi. With sizes up to 4" NPTF, and high flow design, the MIT is ideal for large unit run testing. Fast and reliable sealing reduces test time and production losses from scrap, rework, and re-testing. Full-flow design for shortest filling and test times.

Spin Twistmate® finger-tight onto thread until face seal contacts test piece. They seal automatically when the system is pressurized. Air, gas or hydraulic pressure in the system provides a sealing force that presses the urethane main seal against the face of the threads. This automatic internal piston action maintains the seal with minimum pressure.

Piston Action



Threaded port for hose quick disconnect.

Operation

- Step 1. Spin **Twistmate®** into the threaded port until the seal makes contact.
- Step 2. Introduce the media and pressure. The external sleeve automatically moves toward the test port enhancing the seal squeeze. Vacuum applications will require finger-tightening.

Technical Data

Seals: Urethane and Nitrile
 Materials: Steel with QPQ or Stainless Steel
 Temperature: -40° to +200°F
 Pressure: Vacuum to 10,000 psi
 Rated Pressure: Based on test results using threaded ports manufactured to the referenced specifications and steel material. Other materials or deviations from those specifications may reduce the safe working pressure and should be verified by test.

NPTF Pipe Thread



PART NUMBER	CONNECTS TO FEMALE THREAD	RATED PRESSURE	CONNECTOR TYPE	NET PRICE
HHMIT-022021	1/8" NPTF	5000	SWIVEL	\$ 65.37
HHMIT-042041	1/4" NPTF	5000	SWIVEL	66.95
HHMIT-062061	3/8" NPTF	5000	SWIVEL	76.27
HHMIT-082081	1/2" NPTF	5000	SWIVEL	82.74
HHMIT-122121X	3/4" NPTF	5000	CONNECTOR	116.06
HHMIT-162161X	1" NPTF	5000	CONNECTOR	129.53
HHMIT-202201X	1-1/2" NPTF	5000	CONNECTOR	178.00
HHMIT-242241X	2" NPTF	5000	CONNECTOR	433.63

MAIN SEAL SET 5/PKG	NET PRICE
S1109-U70	\$ 15.32
S1111-U70	16.47
S1113-U70	17.69
S1209-U70	18.95
S1213-U70	20.37
S1216-U70	21.90
S1222-U70	22.68
S1327-U70	54.63

SAE O-Ring



PART NUMBER	CONNECTS TO FEMALE THREAD	RATED PRESSURE	CONNECTOR TYPE	NET PRICE
HHMIT-044021X	-04 (7/16-20)	5000	CONNECTOR	\$ 60.84
HHMIT-064041X	-06 (9/16-18)	5000	CONNECTOR	69.84
HHMIT-084081X	-08 (3/4-16)	4000	CONNECTOR	84.48
HHMIT-104081X	-10 (7/8-14)	4000	CONNECTOR	84.48
HHMIT-124121X	-12 (1 1/16-12)	4000	CONNECTOR	174.58
HHMIT-164161X	-16 (1 5/16-12)	4000	CONNECTOR	194.89
HHMIT-204201X	-20 (1 5/8-12)	4000	CONNECTOR	266.95

MAIN SEAL SET 5/PKG	NET PRICE
S1109-U70	\$ 15.32
S1111-U70	16.47
S1209-U70	18.95
S1209-U70	18.95
S1213-U70	20.37
S1217-U70	21.90
S1222-U70	22.68

ASSORTMENT KITS AND TOOLS