Service Assemblies and Seal Kits

Service Assembly Kits and Seal Kits for HMI cylinders simplfy the ordering and maintenance processes. They contain sub-assemblies which are ready for installation, and are supplied with full instructions. When ordering Service Assemblies and Seal Kits, please refer to the identification plate on the cylinder body, and supply the following information.

Serial Number - Bore - Stroke - Model Number - Fluid Type

Key to Part Numbers

1	Head	
7	Cap	
14	Gland/bearing cartridge	
15	Cylinder body	
17	Piston - N-Style	
18	Cushion sleeve	
19	Tie rod	
23	Tie rod nut	

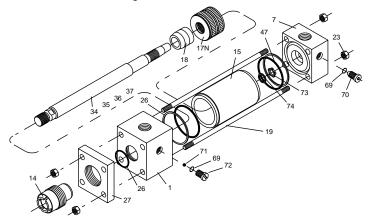
26 Back-up washer (not 25-50mm bore cylinders)

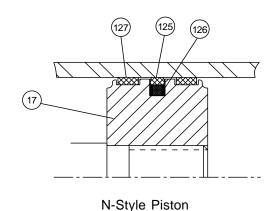
27

34 Piston rod – single rod, no cushion

Piston rod - single rod, cushion at head end 35

Rod ¢	Gland Cartridge Wrench	Spanner Wrench
12	69590	11676
14	69590	11676
18	84765	11676
22	69591	11676
28	84766	11703
36	69592	11703
45	69593	11677
56	69595	11677
70	69596	11677
90	84768	11677
110	_	-
140	_	-





3 0	Piston rod – single rod, cushion at cap end	
37	Piston rod – single rod, cushion at both ends	
40	Wiperseal – for 14	
11	Lineaal – for 14	

43

Back-up washer, gland lipseal 41 (not Group 1 seals)

45 O-ring – gland/head 47 O-ring – cylinder body

Piston rod – double rod, no cusion 57¹

58¹ Piston rod – double rod, cushion one end 60¹ Piston rod – double rod, no cushion

Piston rod - double rod, cushion one end 61¹

69 O-ring – needle valve and check valve screws

70 Needle valve, cushion adjustment 71 Ball - cushion check valve

72 Cushion check valve screw

72a Cushion check valve, cartridge type

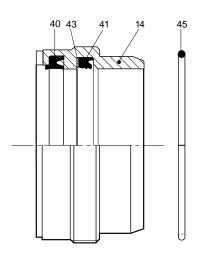
73 Floating cushion bush

74 Retaining ring for cushion bush

125 Standard piston seal

126 Energising ring for standard seal 125 127 Wear ring for standard piston

¹Not illustrated



Gland Cartridge and Seals

For additional information – call your local Parker Cylinder Distributor.

Series HMI Metric Hydraulic Cylinders

Contents and Part Numbers of Seal Kits for Piston and Gland

(See key to part numbers opposite)

RG Kit – Gland Cartridge and Seals* Contain items 14, 40, 41, 43, 45. Where the original gland incorporates a gland drain, please consult the factory.

RK Kit - Gland Cartridge Seals* Contain items 40, 41, 43, 45.

Rod	RG	PK
Φ	Kit*	Kit*
12	RG2HM0121	RK2HM0121
14	RG2HM0141	RK2HM0141
18	RG2HM0181	RK2HM0181
22	RG2HM0221	RK2HM0221
28	RG2HM0281	RK2HM0281
36	RG2HM0361	RK2HM0361
45	RG2HM0451	RK2HM0451
56	RG2HM0561	RK2HM0561
70	RG2HM0701	RK2HM0701
90	RG2HM0901	RK2HM0901
110	RG2HM1101	RK2HM1101
140	RG2HM1401	RK2HM1401

CB Kit – Cylinder Body End Seals* Contain two each of items 47, 26 (not 25-50mm bore).

PN Kit – Standard Piston Seals* (includes cylinder body end seals) Contains two ech of items 42, 26 (not 25-50mm bore), two of item 127, and one each of items 125, 126.

Bore Ø	CB Body Seal Kit*	N-Style Piston Seal Kit*
25	CB025HM001	PN025HM001
32	CB032HM001	PN032HM001
40	CB040HM001	PN040HM001
50	CB050HM001	PN050HM001
63	CB063HM001	PN063HM001
80	CB080HM001	PN080HM001
100	CB100HM001	PN100HM001
125	CB125HM001	PN125HM001
160	CB160HM001	PN160HM001
200	CB200HM001	PN200HM001

*Seal Groups - Ordering

The part numbers shown in the tables above are for Group 1 seals, denoted by the last character of each part number. For Group 5 seals, substitute a '5' for the '1' at the end of the number sequence.

Contents and Part Numbers of Seal Kits of Service Assembly Kits

(See key to part numbers opposite)

Head Assembly

Non-cushioned: 1, 26, 47

Cushioned: 1, 26, 47, 70, 71, 72, (72a)

Cap Assembly

Non-cushioned: 7, 26, 47

Cushioned: 7, 26, 47, 69, 70, 73, 74

Cylinder Body All Types: 15

Cushion Screw Assembly

Screw type: 69, 70

Check Valve Screw Assembly

Screw type: 69, 71, 72

Piston Rod Assemblies

These kits contain a fully assembled piston and rod assembly which is ready to install. They comprise a piston assembly of the appropriate type, see parts list below, plus a rod assembly from the types listed below.

Piston Assemblies

N-Style: 17, 125, 126, 127 x 2

Rod Assemblies

Single rod, non-cushioned: 34 Single rod, cushioned head: 35, 18 Single rod, cushioned cap: 36 Single rod, cushioned both ends: 37, 18 Double rod, non-cushioned: 57,60 Double rod, cushioned stronger end: 58, 60, 18 Double rod, cushioned weaker end: 58, 61, 18 Double rod, cushioned both ends: 58, 61, 18 x 2

Tie Rod Torques

Please refer to the table in the mounting information section.

Repairs

Although HMI cylinders are designed to make on-site maintenance or repairs as easy as possible, some operations can only be carried out in our factory. It is standard policy to fit a cylinder returned to the factory for repair with those replacement parts which are necessary to return it to 'as good as new' condition. Should the condition of the returned cylinder be such that repair would be uneconomical, you will be notified.

NOTE: For installation instructions for Seal Kits for Series HMI cylinders, see bulletin 0995-M17.

