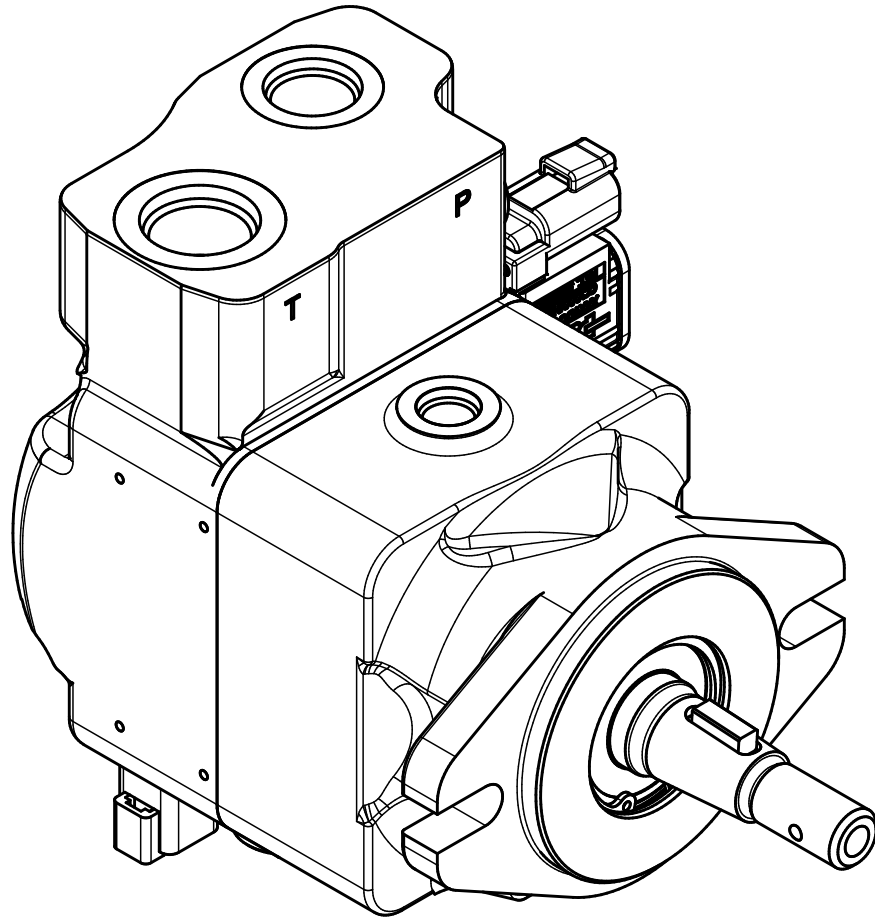




Hydraulic Motors - Service Information

M5AS

Denison Vane Technology



ENGINEERING YOUR SUCCESS.

Model No. **M5AS - 018 - 1 R 12 - A 1 W - 00 M 28****M5AS series**

SAE A 2-bolts mounting flange J744

Cam ring

Volumetric displacement (ml/rev)

006 = 6,3

018 = 18,0

010 = 10,0

023 = 23,0

012 = 12,5

025 = 25,0

016 = 16,0

Type of shaft

1 = Taper (SAE B)

2 = Keyed (SAE B)

5 = Taper 1/5

6 = Keyed (ISO G20N)

Direction of rotation (shaft end view)

R = Clockwise (with anti-cavitation check valve)

L = Counter-clockwise (with anti-cavitation check valve)

N = Bi-rotational (without any anti-cavitation check valve)

End cap type (See table)

Motor with opposite ports : 01, 02, 03, 04 (not combinable with a motor having the reverse valve option)

Motor with side ports : 11, 12, 13, 14

Motor with rear ports : 21, 22, 23, 24 (only combinable with a bi-rotational motor)

Design letter**Max pressure setting value**

00 = For motor without pressure valve

21 = Valve set at 210 bar

28 = Valve set at 280 bar

** Customised value (please consult Parker)

Pressure valve type

0 = Without pressure valve

P = Proportional valve

M = Mechanical valve

Option

0 = No option

R = Reverse valve

Connection variables

Bi-rotational series		
Code	A & B ports	Drain port
W	UNF threaded port SAE 12	UNF threaded port SAE 6
Z	3/4" BSPP threaded port	1/4" BSPP threaded port

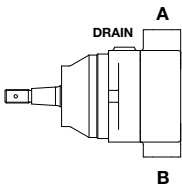
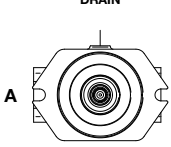
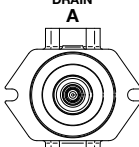
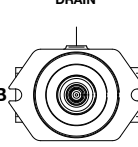
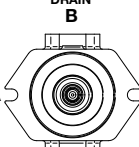
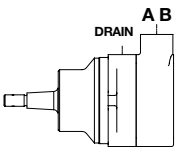
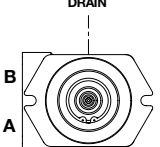
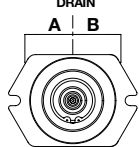
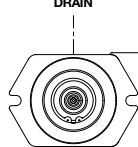
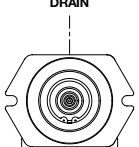
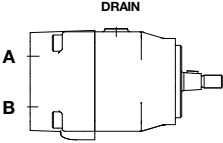
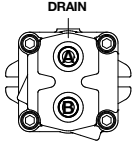
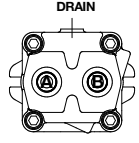
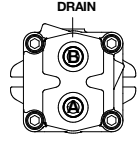
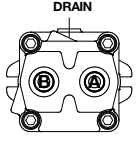
Uni-rotational series and reverse valve option			
Code	A port	B port	Drain port
W	UNF threaded port SAE 10	UNF threaded port SAE 12	UNF threaded port SAE 6
Z	1/2" BSPP threaded port	3/4" BSPP threaded port	1/4" BSPP threaded port

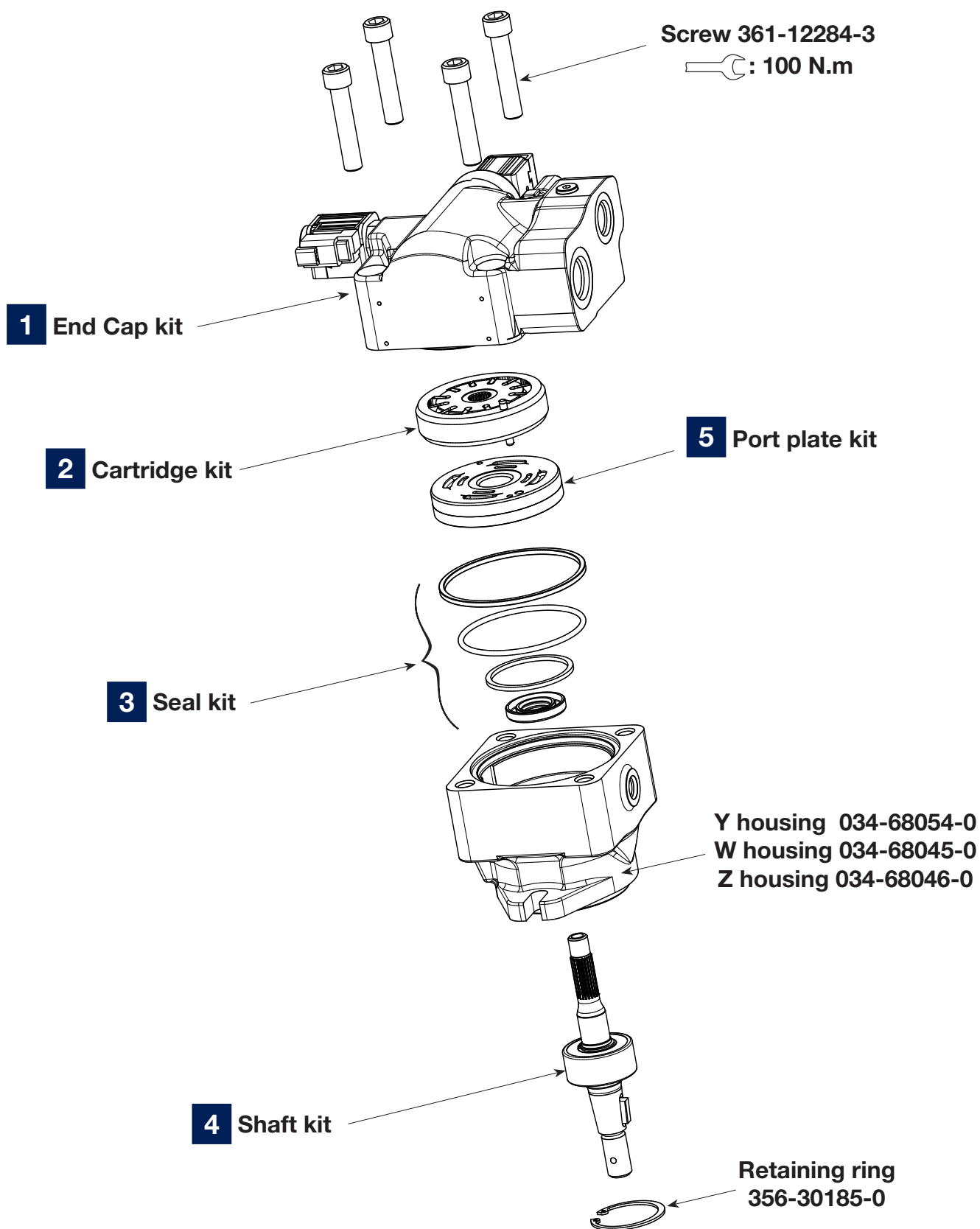
Seal class

1 = S1 BUNA N

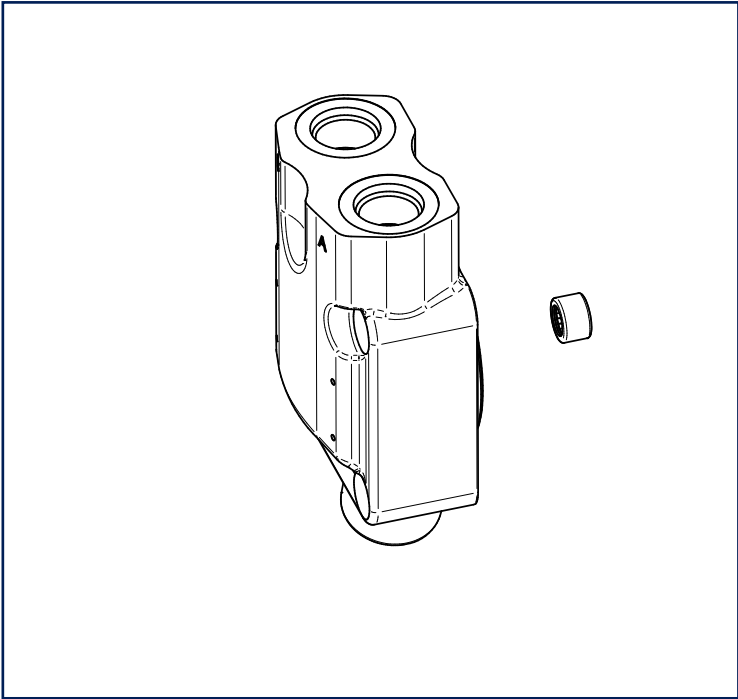
5 = S5 - VITON®

Position of the ports

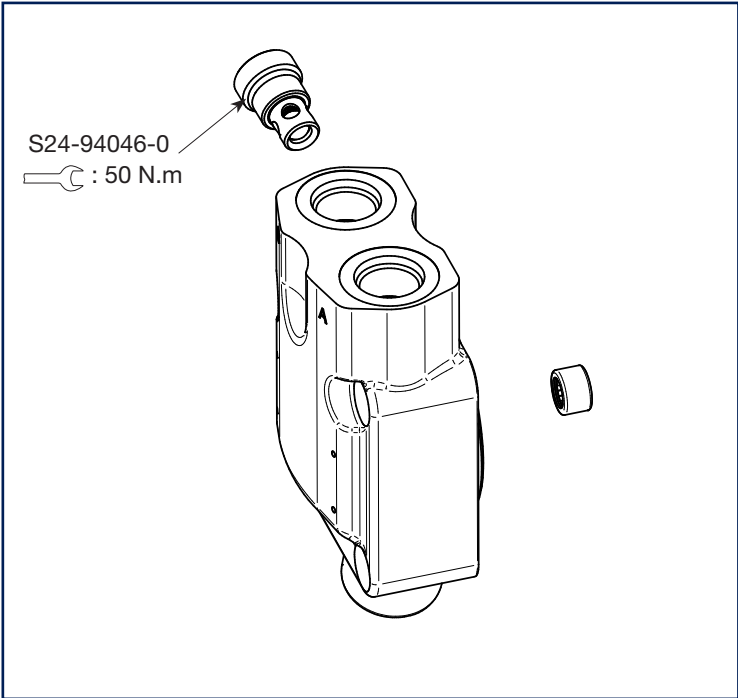
Motor with opposite ports Shaft end view					
Motor with side ports Shaft end view					
Motor with rear ports Rear end view					



1 End cap kit / Side ports

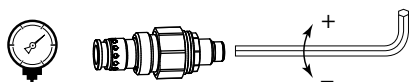
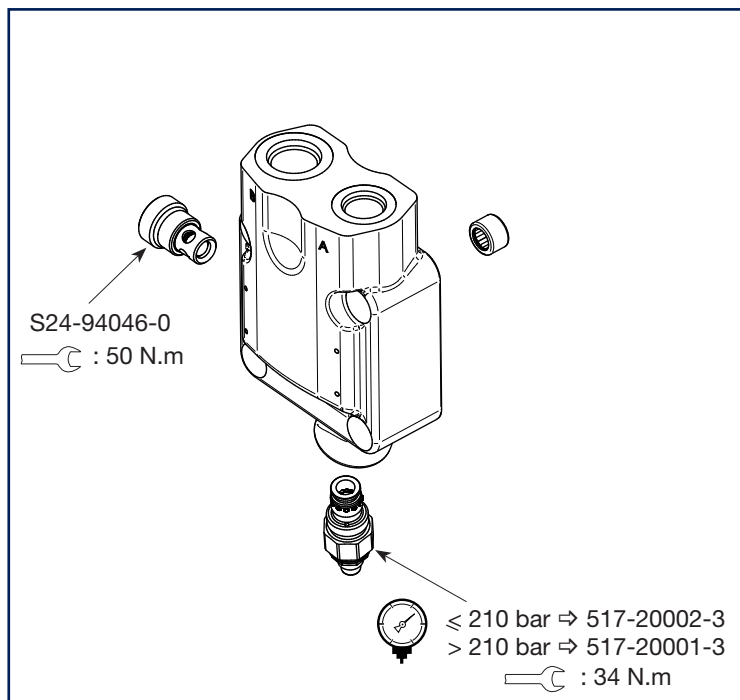


End cap kit	Code N°
M5AS - *** - * N 1* - ** W - 0 0 0 0 0	S54-39401-0
M5AS - *** - * N 1* - ** Z - 0 0 0 0 0	S54-39514-0

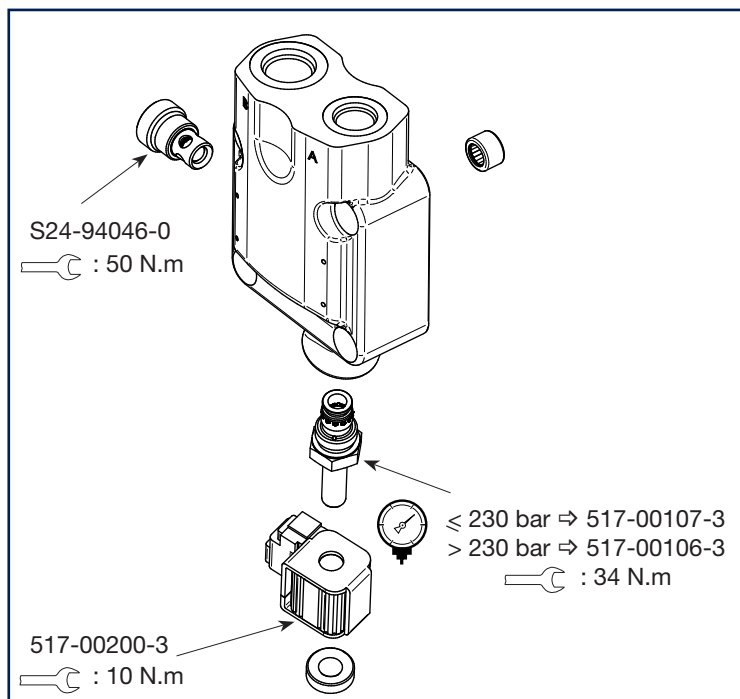


End cap kit	Code N°
M5AS - *** - * R 1* - ** W - 0 0 0 0 0	S54-39517-0
M5AS - *** - * L 1* - ** W - 0 0 0 0 0	
M5AS - *** - * R 1* - ** Z - 0 0 0 0 0	S54-39518-0
M5AS - *** - * L 1* - ** Z - 0 0 0 0 0	

1 End cap kit / Side ports / Pressure valves

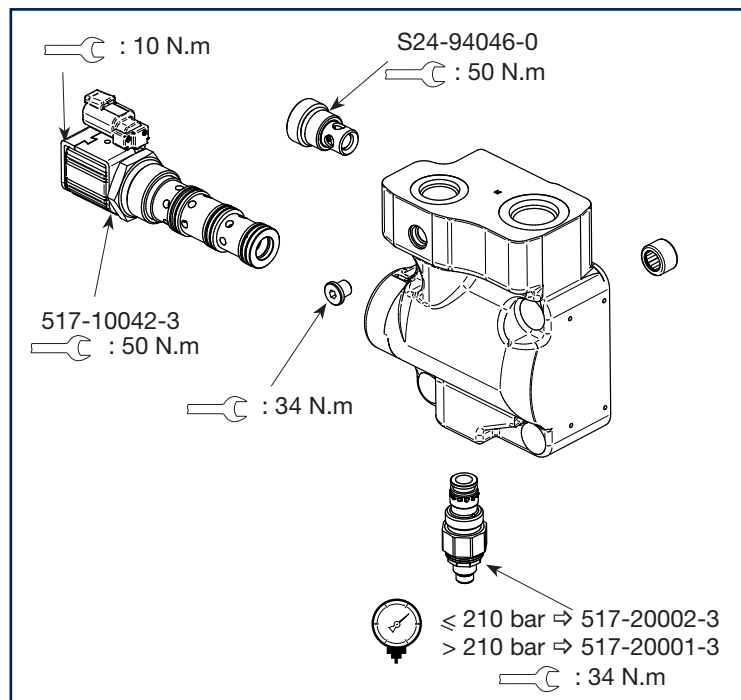


End cap kit	Code N°
M5AS - *** - * R 1* - ** W - 0 0 M 21	On request
M5AS - *** - * L 1* - ** W - 0 0 M 21	
M5AS - *** - * R 1* - ** W - 0 0 M 28	On request
M5AS - *** - * L 1* - ** W - 0 0 M 28	
M5AS - *** - * R 1* - ** Z - 0 0 M 21	S54-45683-0
M5AS - *** - * L 1* - ** Z - 0 0 M 21	
M5AS - *** - * R 1* - ** Z - 0 0 M 28	S54-46713-0
M5AS - *** - * L 1* - ** Z - 0 0 M 28	

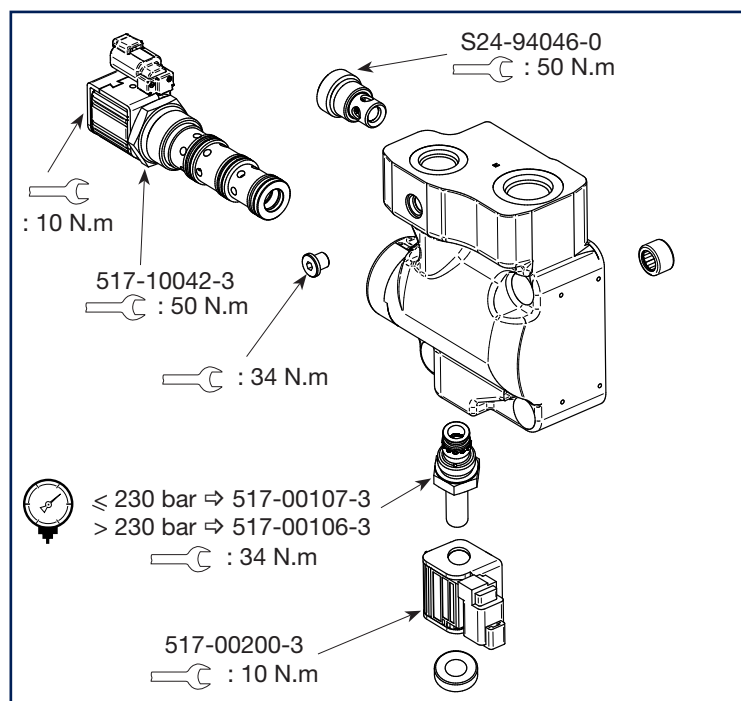


End cap kit	Code N°
M5AS - *** - * R 1* - ** W - 0 0 P 21	S54-46857-0
M5AS - *** - * L 1* - ** W - 0 0 P 21	
M5AS - *** - * R 1* - ** W - 0 0 P 28	S54-47456-0
M5AS - *** - * L 1* - ** W - 0 0 P 28	
M5AS - *** - * R 1* - ** Z - 0 0 P 21	S54-45682-0
M5AS - *** - * L 1* - ** Z - 0 0 P 21	
M5AS - *** - * R 1* - ** Z - 0 0 P 28	On request
M5AS - *** - * L 1* - ** Z - 0 0 P 28	

1 End cap kit / Side ports / Reverse valve



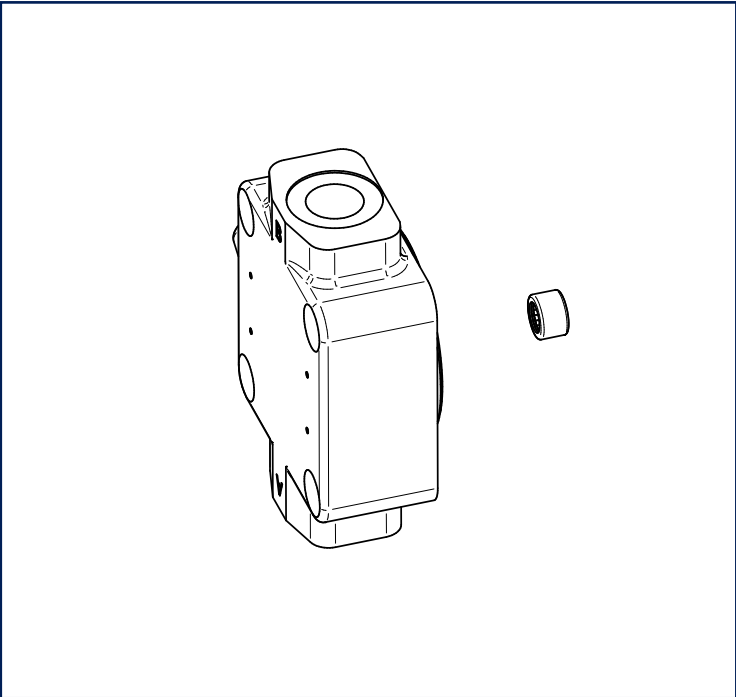
End cap kit	Code N°
M5AS - *** - * R 1* - ** W - 0 R M 21	S54-48172-0
M5AS - *** - * L 1* - ** W - 0 R M 21	S54-50278-0
M5AS - *** - * R 1* - ** W - 0 R M 28	S54-46177-0
M5AS - *** - * L 1* - ** W - 0 R M 28	S54-50122-0
M5AS - *** - * R 1* - ** Z - 0 R M 21	S54-50279-0
M5AS - *** - * L 1* - ** Z - 0 R M 21	S54-50280-0
M5AS - *** - * R 1* - ** Z - 0 R M 28	S54-47491-0
M5AS - *** - * L 1* - ** Z - 0 R M 28	S54-50281-0



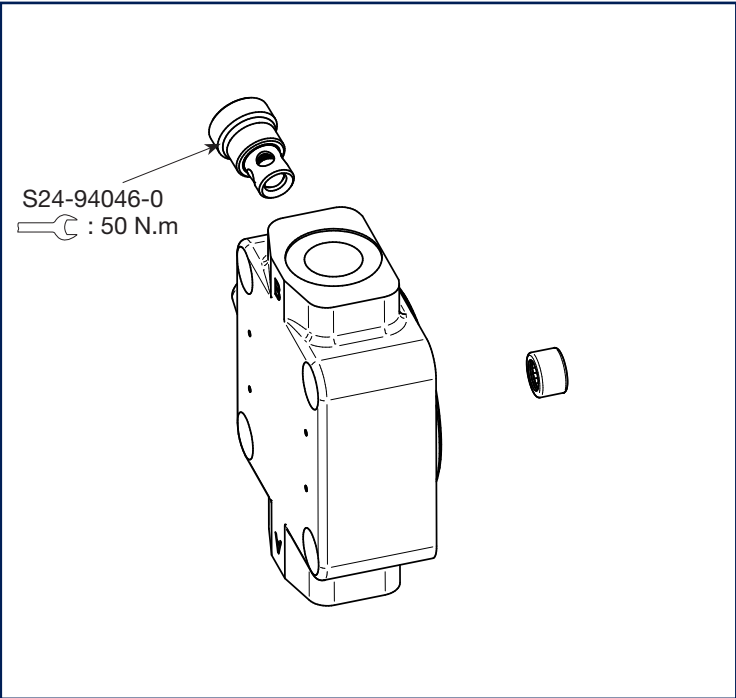
End cap kit	Code N°
M5AS - *** - * R 1* - ** W - 0 R P 21	S54-46391-0
M5AS - *** - * L 1* - ** W - 0 R P 21	S54-47067-0
M5AS - *** - * R 1* - ** W - 0 R P 28	S54-46175-0
M5AS - *** - * L 1* - ** W - 0 R P 28	S54-50283-0
M5AS - *** - * R 1* - ** Z - 0 R P 21	S54-47061-0
M5AS - *** - * L 1* - ** Z - 0 R P 21	S54-46926-0
M5AS - *** - * R 1* - ** Z - 0 R P 28	S54-50284-0
M5AS - *** - * L 1* - ** Z - 0 R P 28	S54-50285-0



1 End cap kit / Opposite ports

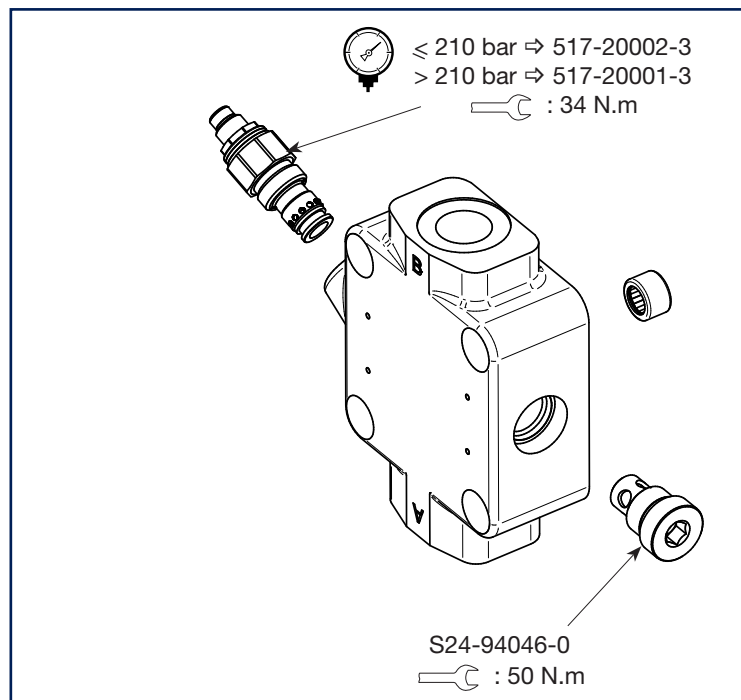


End cap kit	Code N°
M5AS - *** - * N 0* - ** W - 0 0 0 00	S54-39516-0
M5AS - *** - * N 0* - ** Z - 0 0 0 00	S54-39407-0

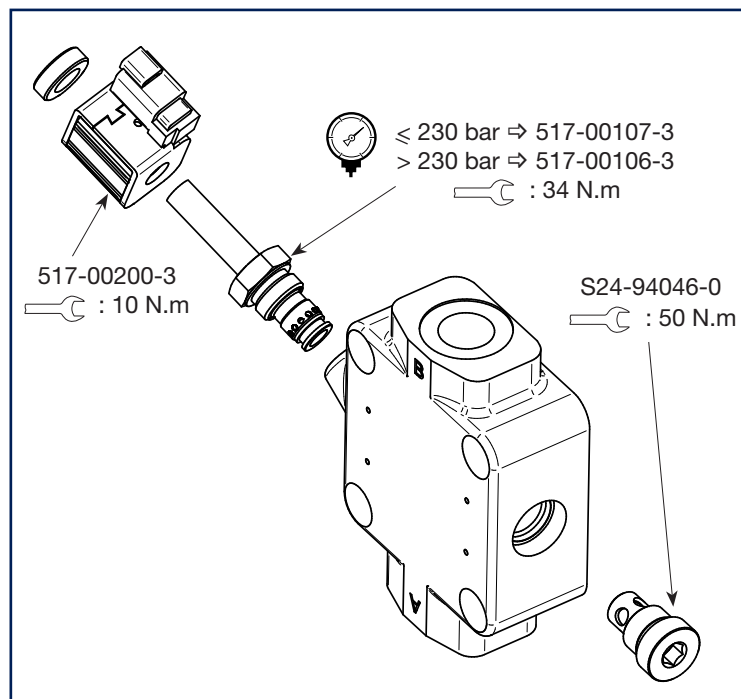
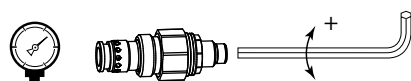


End cap kit	Code N°
M5AS - *** - * R 0* - ** W - 0 0 0 00	S54-39402-0
M5AS - *** - * L 0* - ** W - 0 0 0 00	
M5AS - *** - * R 0* - ** Z - 0 0 0 00	S54-39519-0
M5AS - *** - * L 0* - ** Z - 0 0 0 00	

1 End cap kit / Opposite ports / Pressure valves



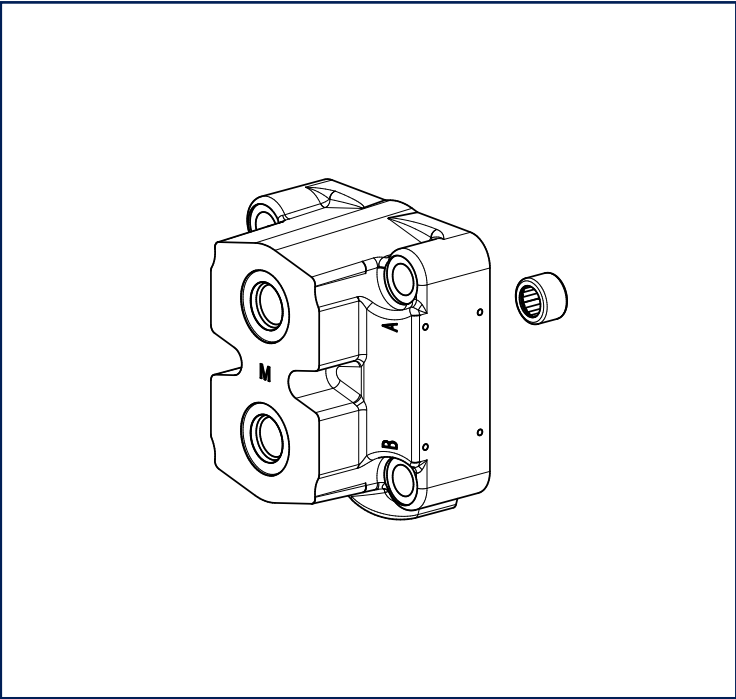
End cap kit	Code N°
M5AS - *** - * R 0* - ** W - 0 0 M 21	S54-39405-0
M5AS - *** - * L 0* - ** W - 0 0 M 21	
M5AS - *** - * R 0* - ** W - 0 0 M 28	S54-39406-0
M5AS - *** - * L 0* - ** W - 0 0 M 28	
M5AS - *** - * R 0* - ** Z - 0 0 M 21	On request
M5AS - *** - * L 0* - ** Z - 0 0 M 21	
M5AS - *** - * R 0* - ** Z - 0 0 M 28	On request
M5AS - *** - * L 0* - ** Z - 0 0 M 28	



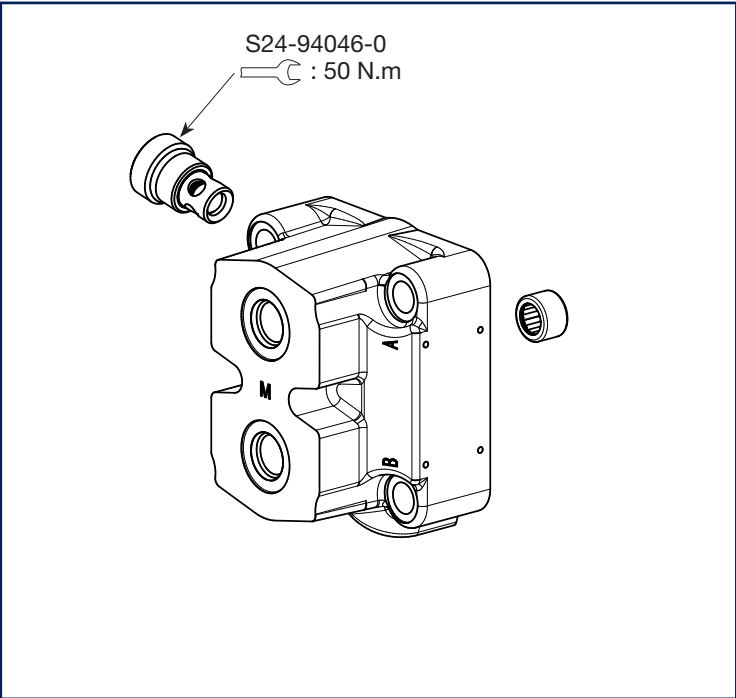
End cap kit	Code N°
M5AS - *** - * R 0* - ** W - 0 0 P 21	S54-39403-0
M5AS - *** - * L 0* - ** W - 0 0 P 21	
M5AS - *** - * R 0* - ** W - 0 0 P 28	S54-39404-0
M5AS - *** - * L 0* - ** W - 0 0 P 28	
M5AS - *** - * R 0* - ** Z - 0 0 P 21	S54-45484-0
M5AS - *** - * L 0* - ** Z - 0 0 P 21	
M5AS - *** - * R 0* - ** Z - 0 0 P 28	On request
M5AS - *** - * L 0* - ** Z - 0 0 P 28	



1 End cap kit / Rear ports

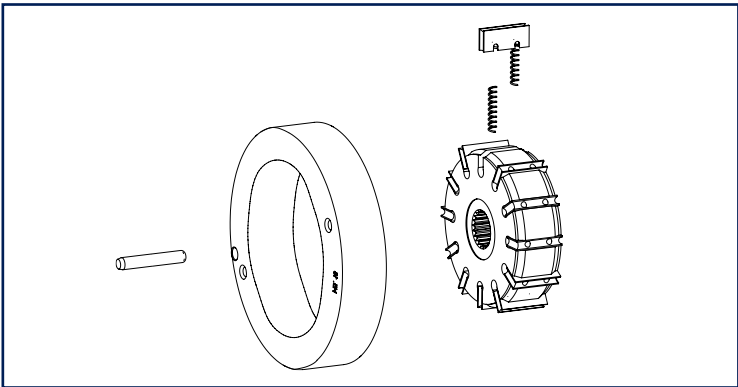


End cap kit	Code N°
M5AS - *** - * N 2* - ** W - 0 0 0 0 0	On request
M5AS - *** - * N 2* - ** Z - 0 0 0 0 0	On request



End cap kit	Code N°
M5AS - *** - * R 2* - ** W - 0 0 0 0 0	On request
M5AS - *** - * L 2* - ** W - 0 0 0 0 0	
M5AS - *** - * R 2* - ** Z - 0 0 0 0 0	On request
M5AS - *** - * L 2* - ** Z - 0 0 0 0 0	

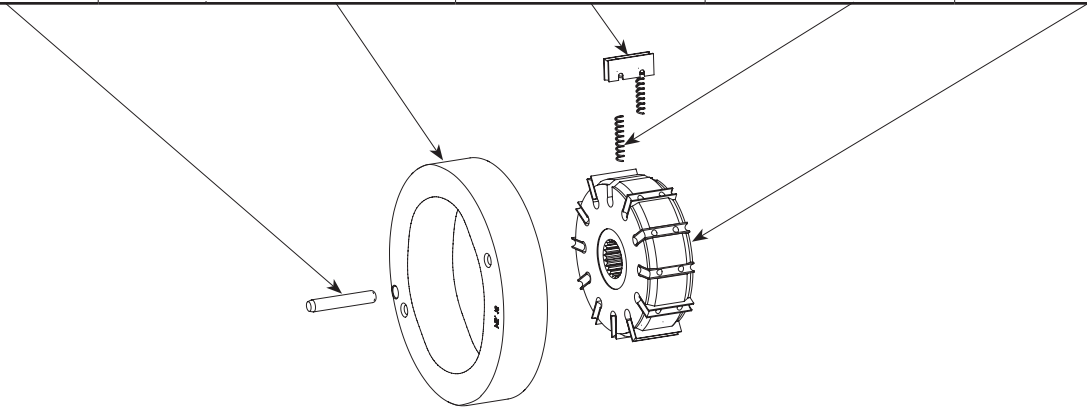
2 Cartridge kit (Preferred)



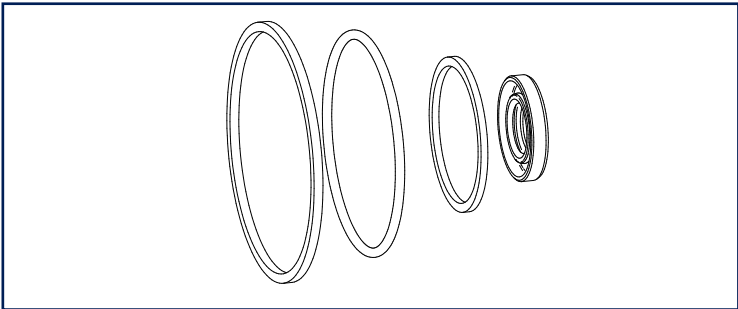
Cartridge kit	Code N°
M5AS - 006 - *** - *** - *****	S54-39387-0
M5AS - 010 - *** - *** - *****	S54-39388-0
M5AS - 012 - *** - *** - *****	S54-39389-0
M5AS - 016 - *** - *** - *****	S54-39390-0
M5AS - 018 - *** - *** - *****	S54-39391-0
M5AS - 023 - *** - *** - *****	S54-39392-0
M5AS - 025 - *** - *** - *****	S54-39393-0

Cartridge loose items

1 x	1 x	12 x	24 x	1 x
324-21220-0	006	034-68031-0	034-67562-0	034-67553-0
	010	034-68032-0		
	012	034-68033-0		
	016	034-68034-0		
	018	034-68035-0		
	023	034-68036-0		
	025	034-68037-0		

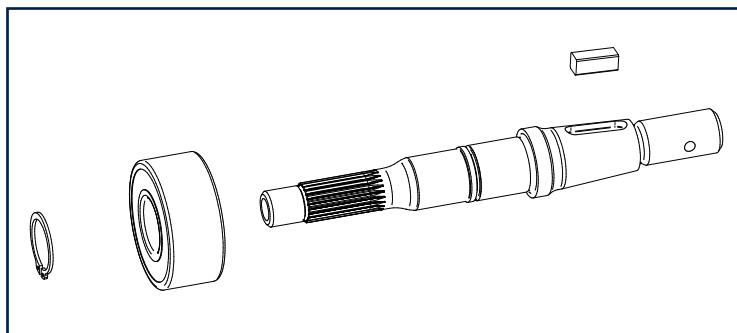


3 Seal kit

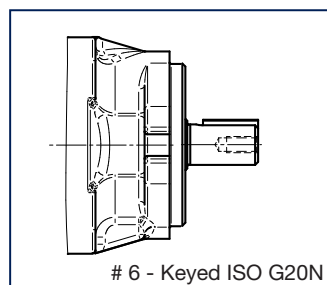
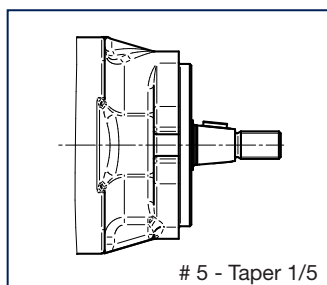
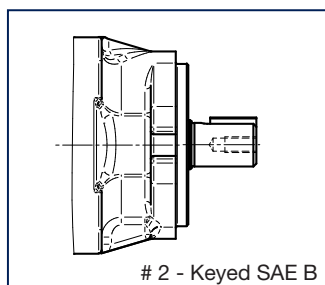
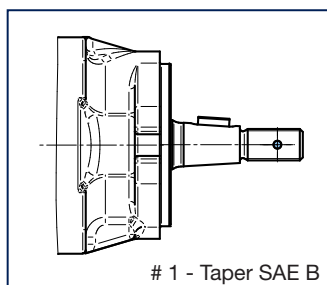


Seal kit	Code N°
M5AS - *** - *** - * 1 * - *****	S54-39395-0
M5AS - *** - *** - * 5 * - *****	S54-39395-5

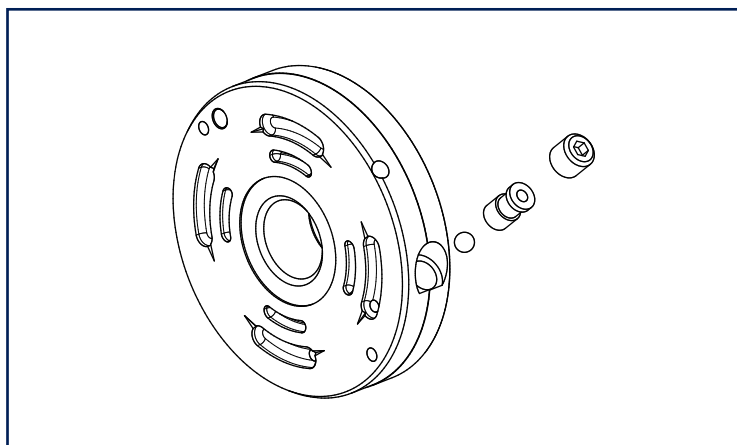
4 Shaft kit



Shaft kit	Code N°
M5AS - *** - 1 *** - *** - *****	S54-39396-0
M5AS - *** - 2 *** - *** - *****	S54-39397-0
M5AS - *** - 5 *** - *** - *****	S54-39398-0
M5AS - *** - 6 *** - *** - *****	S54-39399-0



5 Port plate kit



Port plate kit	Code N°
M5AS - *** - *** - *** - *****	S54-39394-0



WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

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(industrial)

Tel: +1 216 896 3000

US – USA, Elk Grove Village

(mobile)

Tel: +1 847 258 6200

Asia Pacific

AU – Australia, Castle Hill

Tel: +61 (0)2-9634 7777

CN – China, Shanghai

Tel: +86 21 2899 5000

HK – Hong Kong

Tel: +852 2428 8008

ID – Indonesia, Tangerang

Tel: +62 21 7588 1906

IN – India, Mumbai

Tel: +91 22 6513 7081-85

JP – Japan, Fujisawa

Tel: +81 (0)4 6635 3050

KR – South Korea, Seoul

Tel: +82 2 559 0400

MY – Malaysia, Shah Alam

Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore

Tel: +65 6887 6300

TH – Thailand, Bangkok

Tel: +662 186 7000

TW – Taiwan, New Taipei City

Tel: +886 2 2298 8987

VN – Vietnam, Ho Chi Minh City

Tel: +84 8 3999 1600

South America

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Tel: +54 3327 44 4129

BR – Brazil, Cachoeirinha RS

Tel: +55 51 3470 9144

CL – Chile, Santiago

Tel: +56 2 623 1216

MX – Mexico, Toluca

Tel: +52 72 2275 4200

Ed. 2016-04-04

EMEA Product Information Centre

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US Product Information Centre

Toll-free number: 1-800-27 27 537

www.parker.com

Your local authorized Parker distributor

