

**MANNESMANN  
REXROTH**

## Subplate and Bolt Kit Reference List

Subplate mounted valves conform to standards for porting patterns of subplated mounted valves which have been established by:

- The National Fluid Power Association (NFPA)
- American National Standards Institute (ANSI)
- International Standards Organization (ISO)

These interface standards are referenced specifically in the individual product data sheets and in the subplate data sheets which follow. Subplate mounted conventional valving, proportional and servo valves from the Industrial product line are listed below by Model number. This list is designed to be a quick reference showing the standard subplates available along with the respective bolt kit for the valve.

Subplates are available with the following connections:

Model G .../01 = G(BSP) straight threaded ports to ISO 228  
Model G .../12 = SAE straight thread O-Ring ports (Recommended)

For dimensional information as well as subplate part numbers, please see these data sheets on the following pages:

- RA 45 050 Directional and Pressure Valves Size **5**
- RA 45 052 Directional (Spool & Poppet) and Pressure Valves Size **6**
- RA 45 054 Directional (Spool & Poppet) and Pressure Valves Size **10**
- RA 45 056 Directional Valves Size **16**
- RA 45 058 Directional Valves Size **22 & 25**
- RA 45 060 Directional Valves Size **32**
- RA 45 062 Pressure Control Valves
- RA 45 064 Pressure Relief Valves only
- RA 45 066 Flow Control Valves

### Conventional Valves

#### Check Valves

	Subplate	Size	Mounting Bolts	Bolt Kit Part #
SV/SL 10...3X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2-1/4"	US00 833 378
SV/SL 10...4X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2"	US00 833 377
SV/SL 20...3X	G412 G413	3/4" 1"	(4) 3/8-16 UNC x 3"	US00 833 380
SV/SL 20...4X	G412 G413	3/4" 1"	(4) 3/8-16 UNC x 2-3/4"	US00 833 379
SV/SL 30...3X	G414 G415	1-1/4" 1-1/2"	(6) 3/8-16 UNC x 3-1/2"	US00 833 410
SV/SL 30...4X	G414 G415	1-1/4" 1-1/2"	(6) 3/8-16 UNC x 3-1/4"	US00 837 442

#### Directional Valves

3/4SE 6/2X	G270 <sup>1,2</sup> G273 <sup>2,3</sup> G375 <sup>1,5</sup> G376 <sup>3,5</sup>		(4) 1/4 20 UNC x 1-1/2"	US00 833 366
3SE 6/4X	G341 <sup>1</sup> G578 <sup>1,5</sup> G576 <sup>3,5</sup> G579 <sup>3,5</sup>	1/4" 3/8" 1/4" 3/8"	(4) 10-24 UNC x 2"	US00 833 365
4SE 6/5X	G578 <sup>1,5</sup> G580 <sup>1,5</sup> G579 <sup>3,5</sup> G581 <sup>3,5</sup>	1/4" 3/8" 1/4" 3/8"		
3SE 10/2X	G66 <sup>1</sup> G67 <sup>1</sup> G292 <sup>3</sup> G308 <sup>3</sup>	3/8" 1/2" 3/8" 1/2"	(4) 1/4-20 UNC x 1-1/2" (4) 5/16-18 UNC x 1-3/4"	US00 833 366 US00 833 372
4SE 10/2X	G66 <sup>1</sup> G67 <sup>1</sup> G377 <sup>3,5</sup> G378 <sup>3,5</sup>	3/8" 1/2" 3/8" 1/2"	(4) 1/4-20 UNC x 3-1/2"	US00 833 370
SEK 3	G631	1/4"	(4) 10-24 UNC x 5/8"	
SEK 4	G628	1/4"	(4) 1/4-20 UNC x 7/8"	
3SEW 6/2X	G341 <sup>1</sup> G342 <sup>1</sup> G502 <sup>1</sup> G576 <sup>3</sup> G577 <sup>3</sup>	1/4" 3/8" 1/2" 1/4" 3/8"	(4) 10-24 UNC x 1 3/4" (4) 1/4-20 UNC x 1 3/4"	US00 833 367
4SEW 6/2X	G341 <sup>1</sup> G342 <sup>1</sup> G502 <sup>1</sup> G576 <sup>3</sup> G577 <sup>3</sup>	1/4" 3/8" 1/2" 1/4" 3/8"	(4) 1/4-24 UNC x 3 1/2" (4) 1/4-20 UNC x 3 1/2"	US00 833 370
3/4 WMR/WMU 6 (WMM/WMD/WH/WP)	G341 G342 G502	1/4" 3/8" 1/2"	(4) 10-24 UNC x 2"	US00 833 365
3/4 WMR/WMU 10 (GMR/WMM/WMD/ WN/WP/WH)	G66 G67 G534	3/8" 1/2" 3/4"	(4) 1/4"-20 UNC x 2"	US00 833 368

	Subplate	Size	Mounting Bolts	Bolt Kit Part #
5-4WMM 10	G66 G67 G534 G567 <sup>4</sup>	3/8" 1/2" 3/4"	(4) 1/4"-20 UNC x 2"	US00 833 368
4WMM 16	G172 G174	3/4" 1"	(4) 3/8-16 UNC x 2-1/4" & (2) 1/4"-20 UNC x 2-1/4"	US00 833 395
4WMM 22	G150 <sup>5</sup> G151 G153 G154 G156	3/4" 1" 1" 1-1/4" 1-1/2"	(6) 1/2-13 UNC x 2-1/2"	US00 833 387
4WMM 32	G157 G158 <sup>6</sup>	1-1/2" —	(6) 3/4-10 UNC x 3-1/4"	US00 833 394
3/4WE 5	G96 G115	1/4" 1/4"	(4) 10-24 UNC x 2"	US00 833 365
3/4WE 6	G341 G342 G502	1/4" 3/8" 1/2"	(4) 10-24 UNC x 2"	US00 833 365
3/4/5-4WE 10...1X/2X	G66 G67 G534	3/8" 1/2" 3/4"	(4) 1/4"-20 UNC x 2"	US00 833 368
3/4/5-4WE 10...3X	G66 G67 G534	3/8" 1/2" 3/4"	(4) 1/4"-20 UNC x 1-1/2"	US00 833 366
4WH/WEH 10	G66 G67 G534 G535 G536	3/8" 1/2" 3/4" 3/4" 1"	(4) 1/4"-20 UNC x 1-3/4" (4) 1/4"-20 UNC x 1-3/4"	US00 833 367 US00 833 367
4WH/WEH 16	G172 G174	3/4" 1"	(4) 3/8-16 UNC x 2-1/4" & (2) 1/4"-20 UNC x 2-1/4"	US00 833 395
4WH/H-4WEH 22/25	G150 <sup>5,7</sup> G151 <sup>5</sup> G153 <sup>8</sup> G154 G156	3/4" 1" 1" 1-1/4" 1-1/2"	(6) 1/2-13 UNC x 2-1/2" <sup>8</sup> (6) 1/2-13 UNC x 2" <sup>7</sup>	US00 833 387 US00 833 386
4WH/H-4WEH 32	G157 G158 <sup>6</sup>	1-1/2" —	(6) 3/4-10 UNC x 3-1/4"	US00 833 394
<b>Flow Controls</b>				
2FRM 5	G44 G45	1/4" 1/2"	(4) 10-24 UNC x 2"	US00 833 365
2FRM 6	G341 G342 G502	1/4" 3/8" 1/2"	(4) 10-24 UNC x 1-1/4"	US00 834 708
2FRM/FRH 10	G279 G280	1/2" 3/4"	(4) 5/16-18 UNC x 2"	US00 833 373
2FRM/FRH 16	G281 G282	1" 1-1/4"	(4) 3/8-16 UNC x 3"	US00 833 380
3FRM 10	G337 G343 <sup>5</sup>	1/2" 1/2"	(4) 5/16-18 UNC x 2"	US00 833 373
3FRM 16	G340 <sup>5</sup> G346 <sup>5</sup>	1" 1"	(4) 3/8-16 UNC x 3"	US00 833 380



<b>Flow Controls (continued)</b>					<b>Proportional Valves</b>				
FD 12/16	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 4"	US00 833 383	<b>Directional Controls</b>				
FD 25	G412 G413	3/4" 1"	(4) 3/8-16 UNC x 4-1/2"	US00 833 384	WRWRE 6	G341 G342 G505	1/4" 3/8" 1/2"	10-24 UNC x 1-1/2"	US00 834 710
FD 32	G414 G415	1-1/4" 1-1/2"	(4) 3/8-16 UNC x 5-1/2"	US00 800 751	WRWRE 10	G66 G67 G534	3/8" 1/2" 3/4"	1/4-20 UNC x 2"	US00 833 368
<b>Pressure Controls</b>					WRD/WRDE 10	G534 G535 G536	3/4" 3/4" 1"	4) 1/4"-20 UNC x1-3/4"	US00 833 367
DBD 6	G300	1/4"	(4) 1/4"-20 UNC x 2"	US00 833 368	WRZ/WRH	G535	3/4"		
DBD 10	G301 <sup>5</sup> G302	3/8" 1/2"	(4) 5/16-18 UNC x 2-3/4"	US00 833 374	WRKE/WRTE 10	G536	1"		
DBD 20	G303 <sup>5</sup> G304	3/4" 1"	(4) 5/16-18 UNC x 3-1/2"	US00 833 375	WRD/WRDE 16	G172	3/4"	2) 1/4"-20 UNC x 2-1/4"	US00 833 395
DBD 30	G305 <sup>5</sup> G306	1-1/4" 1-1/2"	(4) 3/8-16 UNC x 4"	US00 833 883	WRZ/WRH	G174	1"	4) 3/8"-18 UNC x 2-1/4"	
DB/DBW 10/3X/5X	G545 G546 G565 <sup>5</sup>	3/8" 1/2" 3/4"	(4) 1/2-13 UNC x 2"	US00 833 386	WRKE/WRTE 16	G174 <sup>1</sup>	3/4"		
DB/DBW 20/3X/5X	G408 G409	3/4" 1"	(4) 5/8-11 UNC x 2"	US00 833 391	WRD/WRDE 25	G153	1"	6) 1/2"-13 UNC x 2-1/2"	US00 833 387
DB/DBW 30/3X/5X	G410 G411	1-1/4" 1-1/2"	(4) 3/4-10 UNC x 2"	US00 833 393	WRZ/WRH	G154	1-1/4"		
DB 10/4X/W65	G545 G546	3/8" 1/2"	(4) 1/2-13 UNC x 1-1/4"	US00 833 715	WRKE/WRTE 25	G156	1-1/2"		
DB 20/4X/W65	G408 G409	3/4" 1"	(4) 5/8-11UNC x 2"	US00 833 391	WRD/WRDE 32	G157	1-1/2"	6) 3/4"-10 UNC x3-1/4"	US00 833 394
DB3U 10	G545 G546	3/8" 1/2"	(4) 1/2-13 UNC x 2"	US00 833 386	WRZ/WRH	G158 <sup>2</sup>	1-1/2"		
DB3U 20	G408 G409	3/4" 1"	(4) 5/8-11 UNC x 2"	US00 833 391	WRKE/WRTE 32				
DB3U 30	G410 G411	1-1/4" 1-1/2"	(4) 3/4-10 UNC x 2"	US00 833 393	<b>Flow Controls</b>				
DZ5DP	G96 G115	1/4" 1/4"	(4) 10-24 UNC x 2"	US00 833 365	FRE 6	G341 G342 G505	1/4" 3/8" 1/2"	4) 10-24 UNC x 1-1/2" <sup>3</sup>	US00 834 710
DZ6DP...3X/5X	G341 G342	1/4" 3/8"	(4) 10-24 UNC x 2"	US00 833 365	FRE 10	G279 G280	1/2" 3/4"	4) 5/16"-18 UNC x 2-1/2" <sup>3</sup>	US00 834 717
DZ10DP...3X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2-3/4"	US00 833 379	FRE16	G281 G282	1" 1-1/4"	4) 7/16"-14 UNC x 2-3/4" <sup>3</sup>	
DZ10DP.../4X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2-1/4"	US00 833 378	<b>Pressure Controls</b>				
DZ 10...3X/5X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2"	US00 833 377	DBET/DBEMT(3X)	G51	1/4"	4) 5/16"-18 UNC x 1-1/2"	US00 833 371
DZ 20...3X/5X	G412 G413	3/4" 1"	(4) 3/8-16 UNC x 2-1/4"	US00 833 378	DBEC/DBEMC(3X)	G545 G546	3/8" 1/2"	4) 1/2"-13 UNC x 2"	US00 833 386
DZ 30...3X/5X	G414 G415	1-1/4" 1-1/2"	(4) 3/8-16 UNC x 2-3/4"	US00 833 379	DBE/DBEM 10	G408 G409	3/4" 1"	4) 5/8"-11 UNCx 2"	US00 833 391
DA/DAW 10...3X/5X	G467 <sup>5</sup> G468	3/8" 1/2"	(4) 3/8-16 UNC x 2"	US00 833 377	DBE/DBEM30	G410 G411	1-1/4" 1-1/2"	4) 3/4"-10 UNCx 2	US00 833 393
DA/DAW 20...3X/5X	G469 <sup>5</sup> G470	3/4" 1"	(4) 5/8-11 UNC x 4" and (2) 5/8-11 UNC x 2-1/2"	US00 833 397	DBETR	G341 G342	1/4" 3/8"	4) 10-24 UNC x 2"	US00 833 365
DA/DAW 30...3X/5X	G471 <sup>5</sup> G472	1-1/4" 1-1/2"	(4) 3/4-10 UNC x 4-3/4" & (2) 3/4-10 UNC x 3"	US00 833 398	DREP 6	G341	1/4"	4) 10-24 UNC x 1-1/2"	US00 834 710
DR5DP	G96 G115	1/4" 1/4"	(4) 10-24 UNC x 2"	US00 833 365	DBET/DBEMT(5X)	G342	3/8"		
DR6DP...3X/5X	G341 G342	1/4" 3/8"	(4) 10-24 UNC x 2"	US00 833 365	DBEC 6(1X)	G505	1/2"		
DR10DP...3X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2-3/4"	US00 833 379	DRE/DREM 10	G460 G461	3/8" 1/2"	4) 3/8"-16 UNCx 1-3/4"	US00 833 864
DR10DP.../4X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2-1/4"	US00 833 378	DRE/DREM 20	G412 G413	3/4" 1"	4) 3/8"-16 UNC x 1-3/4"	US00 833 864
DR 10/3X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 1-1/2"	US00 833 376	DRE/DREM 30	G414 G415	1-1/4" 1-1/2"	4) 3/8"-16 UNC x 2-3/4"	US00 833 379
DR 10/5X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 2"	US00 833 377	<b>Servo Valves</b>				
DR 20/3X/5X	G412 G413	3/4" 1"	(4) 3/8-16 UNC x 2-1/4"	US00 833 378	WS 2 E. 10(3X/4X)	G66/12	SAE-6	4) 1/4"-20 UNC x 2"	US00 833 368
DR 30/3X/5X	G414 G415	1-1/4" 1-1/2"	(4) 3/8-16 UNC x 2-3/4"	US00 833 379	DS 2 EH/DSE 2 EH 10 (2X)	G67/12 G534/12 G535/12 G536/12	SAE-8 SAE-12 SAE-12 SAE-16		
DR 10/4X	G460 G461	3/8" 1/2"	(4) 3/8-16 UNC x 1-1/2"	US00 833 376	WS 2 E. 10A(3X/4X)				
DR 20/4X	G412 G413	3/4" 1"	(4) 3/8-16 UNC x 2"	US00 833 377	DS 1EO/DSE 1EO 2	144 285	1/4" BSP <sup>4</sup>	4) M4 x 30	
<sup>1</sup> 4600 PSI (315 bar) <sup>4</sup> X70 spool <sup>7</sup> Size 22 only <sup>2</sup> Not for 4SE 6 <sup>5</sup> Item not normally stocked <sup>8</sup> Size 25 only <sup>3</sup> 9200 PSI (630 bar) <sup>6</sup> Only available w/ subplate connections					<b>Flushing Blocks</b> WS 2 E. 10(3X/4X) RR00 308 492 DS 2 EH/DSE 2 EH 10 (1X/2X) WS 2 E. 10A RR00 326 690 DS 1EO/DSE 1EO 2 RR00 308 491  <sup>1</sup> 3/4" ISO Square flanges <sup>2</sup> 1-1/2" ISO Square flanges <sup>3</sup> When using the rectifier plate longer bolts are required: 2FRE 6; 4) 10-24 UNC x 2-3/4" 2FRE 10; 4) 5/16"-18 UNC x 4-3/4" 2FRE 16; 4) 7/16"-14 UNC x 6-1/4" <sup>4</sup> Adaptors from, G 1/4" BSP to SAE-4; 7/16-20 UNC; available order part number 810 877  <b>Note:</b> Bolt Kits listed are only for the /12 subplates. Bolt sizes only apply to the stated valve and listed bolt kits are for normally stocked subplates only. Port sizes are NPT or G(BSP). NPT port size is also equivalent to SAE tube size.				



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