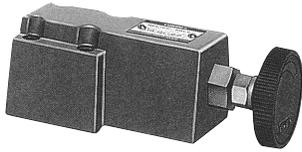
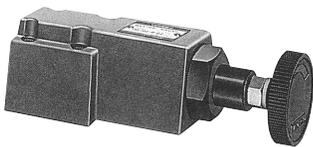


## Relief Valves

Max. Pressure 25 MPa



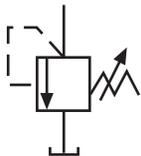
Remote Control Relief Valve



Direct Type Relief Valve

### Graphic Symbol

Remote Control / Direct Type

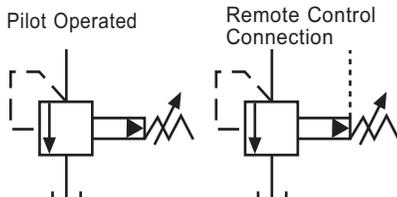


General Type Pilot Operated Relief Valve



Low Noise Type Pilot Operated Relief Valve

### Graphic Symbol



- Remote Control Relief Valves are used for hydraulic pressure control valve (Relief Valve, Pressure Reducing Valve) by remote control.
- Relief Valve is used to protect hydraulic system from excessive pressure and can also be used to maintain a constant pressure in the hydraulic system.

### Rating

Valve Type	Valve Size	Model No.	Pressure Adjustment Range MPa (kgf/cm <sup>2</sup> )	Max. Flow L/min	Mass kg	
Remote Control Relief Valve	1/8	DT-01-22 DG-01-22	Max. 250 (250)	2	1.6 1.4	
Direct Type Relief Valve	1/4	DT-02-※-22 DG-02-※-22	Please refer to Model Number Designation	16	1.5	
Pilot Operated Relief Valve	General Type	3/8	BT-03-※-32 BG-03-※-32	0.5~25 (5~250)	5.0 4.7	
		3/4	BT-06-※-32 BG-06-※-32		5.0 5.6	
		1-1/4	BT-10-※-32 BG-10-※-32		8.5 8.7	
	Low Noise Type	3/8	S-BG-03-※- $\frac{1}{R}$ -40	0.4~25 (4~250)	100	4.1
		3/4	S-BG-06-※- $\frac{1}{R}$ -40		200	5.0

\*There are more options of 350kgf/cm<sup>2</sup>, 50l/min, and low-pressure control type, please contact sales people for details.

### Model Number Designation

D T-02-B-22

D : Design No.  
 T : Pressure Adjustment Range MPa (kgf/cm<sup>2</sup>)  
 (Applicable only for DT-02 & DG-02)  
 B : 0.5~7 (5~70)  
 C : 3.5~14 (35~140)  
 H : 7.0~21 (70~210)  
 : Valve Size  
 T : Type of Connection  
 T : Threaded Connection  
 G : Sub-plate Mounting  
 : Series No.

S-B G-06-V-L-※

S : Low Noise Type (Omit if not required)  
 B : Series Number  
 G : Type of Connection  
 T : Threaded Connection (only for general type)  
 G : Sub-plate Mounting  
 : Valve Size  
 V : Design No.  
 L : Direction of Pressure adjustment handle (only for S-BG) (Viewed from pressure gauge connection side)  
 L : Left (Standard) ◦ R : Right  
 ※ : High Venting Pressure Feature\* (Optional) (Omit if not required)  
 \*Use high venting pressure type to reduce the response time from load to load.

- **The Min. Flow:** The setting pressure will be unstable when using small flow; therefore, the flow should be bigger than the min. flow as the below table.

Model No.	BG/BT Series	S-BG Series
03	8 L/min	5 L/min
06		
10	15 L/min	-

### Sub-plate

Valve Model No.	Sub-plate Model No.	Piping Size Rc	Mass kg
DG-01, DG-02	DGM-02-20	1/4	0.7
(S)-BG-03	BGM-03-20	3/8	2.4
	BGM-03X-20	1/2	3.1
(S)-BG-06	BGM-06-20	3/4	4.7
	BGM-06X-20	1	5.7
BG-10	BGM-10-20	1-1/4	8.4
	BGM-10X-20	1-1/2	10.3

- Sub-plates are available. When ordering,
- Please refer to page 54, 56 for the dimensions.

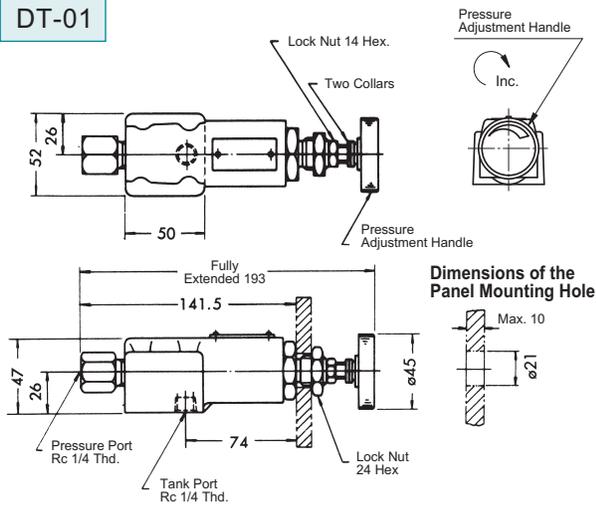
### Mounting Bolts (Attachment)

Model No.	Socket Head Cap Screw	Q'ty	Tightening Torque N • m
DG-01	M5 x 45 Lg	4	8~9
DG-02	M5 x 45 Lg	4	
BG-03	M12 x 70 Lg	2	104~127
	M12 x 95 Lg	2	
BG-06	M16 x 60 Lg	2	253~310
	M16 x 80 Lg	2	
BG-10	M20 x 70 Lg	2	493~603
	M20 x 90 Lg	2	
S-BG-03	M12 x 40 Lg	4	104~127
S-BG-06	M16 x 50 Lg	4	253~310

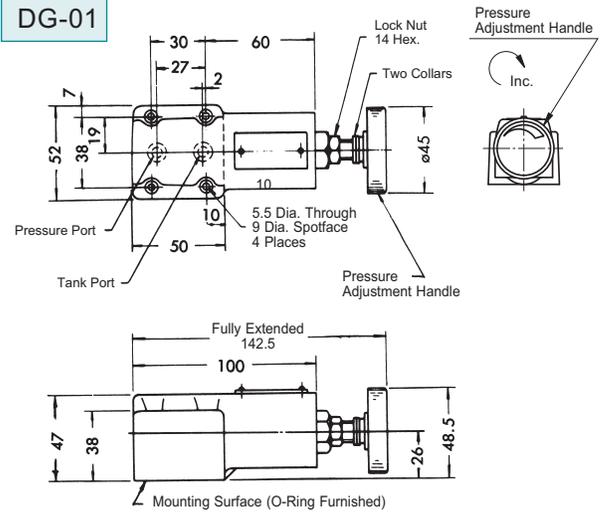
## Relief Valves

Max. Pressure 25 MPa

**DT-01**

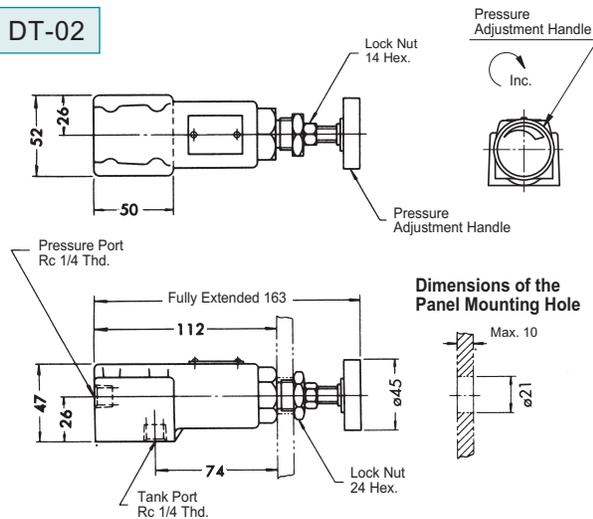


**DG-01**

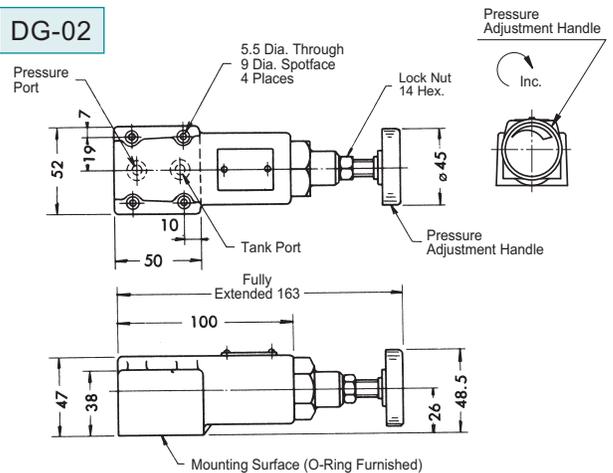


Note: For dimension of mounting surface, please refer to subplate DGM-02 below.

**DT-02**

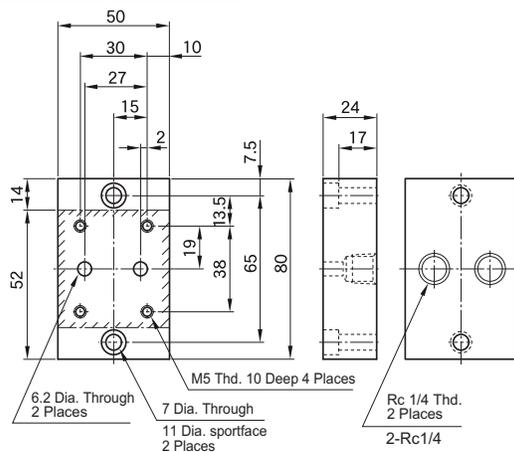


**DG-02**



Note: For dimension of mounting surface, please refer to subplate DGM-02 below.

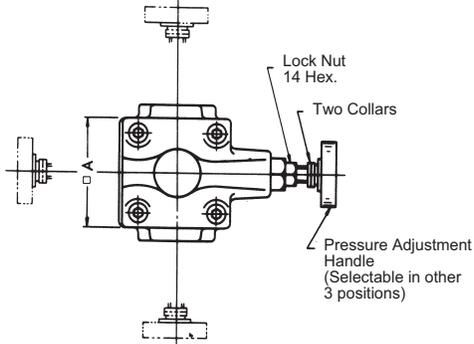
**Subplate: DGM-02-20**



## Relief Valves

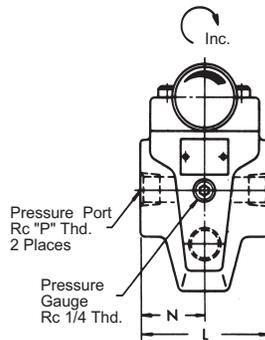
Max. Pressure 25 MPa

### BT-03,06,10

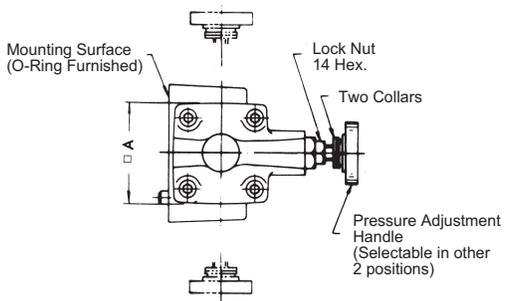


Model No.	A	B	C	D	E	F
BT-03	75	40	105	52	78	150.5
BT-06						
BT-10	85	50	101	80	96	183

Model No.	G	H	J	K	L	N	P
BT-03	68.5	62	36	52	90	45	3/8
BT-06							3/4
BT-10	89	74	49	80	120	60	1-1/4



### BG-03,06,10

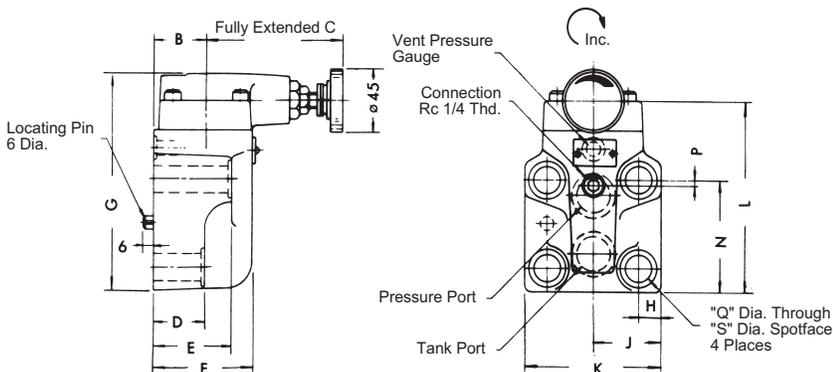


Mounting Surface  
 BG-03:ISO 6264-AR-06-2-A-87  
 BG-06:ISO 6264-AS-08-2-A-87  
 BG-10:ISO 6264-AT-10-2-A-87

Model No.	A	B	C	D	E	F	P
BG-03	75	40	105	57	78	78	137
BG-06	75	40	105	40	60	78	161
BG-10	85	45	101	47	67	84	195

Model No.	H	J	K	L
BG-03	14.1	41	82	117
BG-06	17	52	104	141
BG-10	20.7	62	124	175

Model No.	N	P	Q	S
BG-03	77	22	13.5	21
BG-06	83.5	4.5	17.5	26
BG-10	110	6	21.5	32

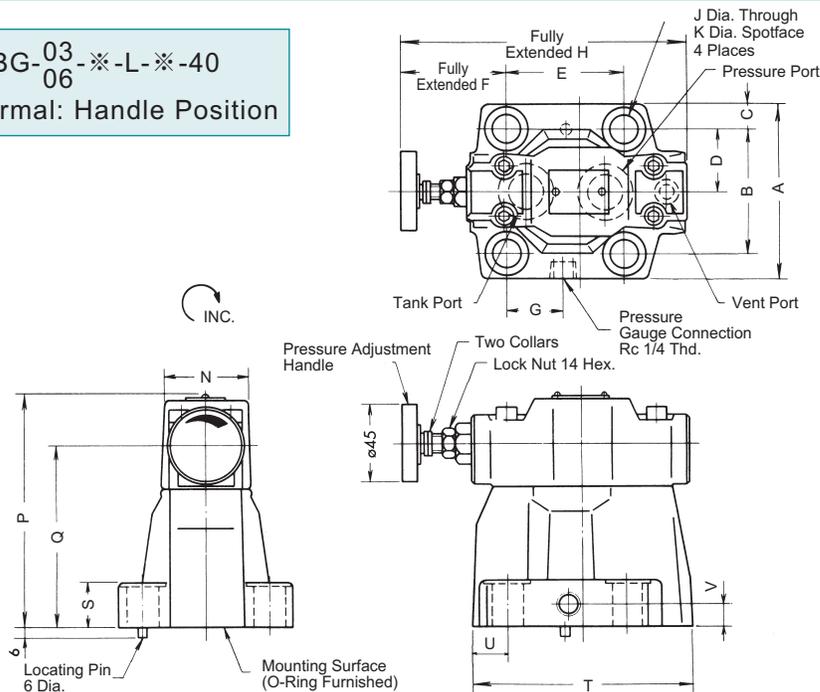


Note: For dimensions of mounting surface, please refer to BGM type sub-plate (on next page)

## Relief Valves

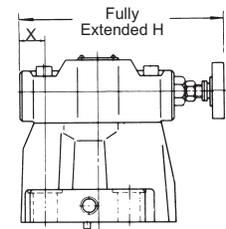
Max. Pressure 25 MPa

S-BG-03  
06  
※-L-※-40  
Normal: Handle Position



Mounting Surface:  
S-BG-03:ISO 6264-AR-06-2-A-87  
S-BG-06:ISO 6264-AS-08-2-A-87

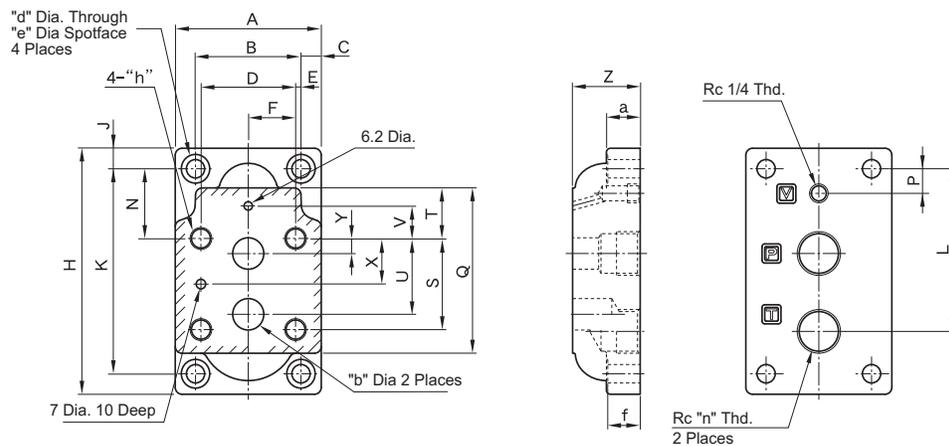
Opposite Handle Position  
S-BG-06-※-R



For other dimensions, please see the figures shown left.

Model No.	A	B	C	D	E	F	G	H	J	K	N	P	Q	S	T	U	V	X
S-BG-03	76	53.8	11.1	26.9	53.8	73.6	26.9	163.5	13.5	21	50	130	103	21.5	106	26.1	13	36.1
S-BG-06	98	70	14	35	66.7	58.8	33.7	163.5	17.5	26	50	130	103	26	122	19.3	13	21.3

Sub-plate  
BGM-03, 03X-20  
06, 06X  
10, 10X



Model No.	A	B	C	D	E	F	H	J	K	L	N	P	Q	S
BGM-03	86	60	13	53.8	3.1	26.9	149	13	123	86	32	26	97	53.8
BGM-03X										95		21		
BGM-06	108	78	15	70	4	35	180	15	150	106.5	51	27.2	121	66.7
BGM-06X										119		18		
BGM-10	126	94	16	82.6	5.7	41.3	227	16	195	138.2	62	30.2	154	88.9
BGM-10X										158		17		
Model No.	T	U	V	X	Y	Z	a	b	d	e	f	h	n	
BGM-03	19	47.4	0	22	22	32	20	14.5	11	17.5	19	M12 Thd. 20 Deep	3/8	
BGM-03X						40							1/2	
BGM-06	37	55.5	23.8	33.4	11	40	25	23	13.5	21	24	M16 Thd. 25 Deep	3/4	
BGM-06X						50							1	
BGM-10	42	76.2	31.8	44.5	12.7	50	32	28	17.5	26	31	M20 Thd. 28 Deep	1-1/4	
BGM-10X						63							1-1/2	