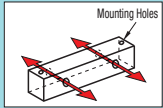


# Terminal Blocks - Hydraulic

## Vertical Through Hole



For details of recommended tapered male thread tightening torque and through pilot holes, see **P.1224**.

By inserting "G-" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

Type							Material	Surface Treatment	Max. Operating Pressure
Pitch (P) Standard			Pitch (P) Configurable						
20 Sq.	30x35 Sq.	50 Sq.	60 Sq.	20 Sq.	30x35 Sq.	50 Sq.	SS400 (BTBMM) Steel for General Structure (BTSM) (BTSFLM) SUS304 SUS316 Brass	Trivalent Chromate Electroless Nickel Plating	20.6MPa=210kgf/cm <sup>2</sup> or less  1MPa=10kgf/cm <sup>2</sup> or less
BTSB	BTS	BTSFL	BTSL	-	BTSP	BTSFLP			
BTSBM	BTSM	BTSFLM	-	-	-	-			
BTSBR	BTSR	BTSFLR	-	BTSBRP	BTSRP	BTSFLRP			
-	BTSS	-	-	-	-	-			
-	BTSC	-	-	-	-	-			

Ⓜ BTSSP (SUS316, 30x35 Sq., Pitch Configurable) is available on our website.

\* Drawing for 3 Circuit Type is selected. The total number of R and S threads is 6.  
 Ⓜ Mounting hole shape can be selected freely.  
 Ⓜ Standard hole shape is selected when no hole shape modification is specified.

• Standard hole shape

Mounting Hole Dimension	d	D	h	D1	d1	h1
M5	5.5	9.5	5.5	8	*4.2	4.5
M6	6.6	11	6.5	9.5	5.1	5.5
M8	8.5	14	8.5	11	6.8	6.5

\* Only for SUS304, d1 dimension is 4.3.  
 Thread: JIS B0203 Rc (PT)  
 JIS B0202 G (PF); ISO 228-1 Compatible  
 ANSI/ASME B.1.20.1-1983 (NPT)

<L Dimension Calculation>  
 Ex.: For BTSP3- -P35, L=NxP+2E= (Number of Circuits 3 - 1) x 35 + 2 x 20 = 110

RoHS 10

• Mounting Hole Change

Through Hole (NA)    Tapped Hole (T)    Counterbore Tapped Hole (ZT)

Part Number		Rc (PT), NPT Selection		Pitch P		Number of Pitches	Total Number of R and S Threads	A	B	E	X	Y	Mounting Hole M
Type	Mounting Hole Change	Number of Circuits	R, S	Standard	Configurable 1mm Increment								
Pitch Standard BTB BTBMM BTSBR	Pitch Configurable BTSP BTSRP	1	1 (1/8)	25	15~50	0	2	20	20	20	7.5	10	M5
		2				1	4						
		3				2	6						
		4				3	8						
		5				4	10						
		6				5	12						
		7				6	14						
		8				7	16						
Pitch Standard BTS BTSM BTSR BTSS BTSC	NA (Through)  T (Tapped)  ZT (Counterbore Tapped)	1	1 (1/8) 2 (1/4) 3 (3/8) 1N (NPT1/8) 2N (NPT1/4) 3N (NPT3/8)	35	25~50	0	2	30	35	20	7.5	17.5	M6
		2				1	4						
		3				2	6						
		4				3	8						
		5				4	10						
		6				5	12						
		7				6	14						
		8				7	16						
Pitch Standard BTSFL BTSFLM BTSFLR	Pitch Configurable BTSFLP BTSFLRP	1	2 (1/4) 3 (3/8) 4 (1/2) 6 (3/4)	60	35~60  40~60	0	2	50	50	30	7.5	25	M8
		2				1	4						
		3				2	6						
		4				3	8						
		5				4	10						
		6				5	12						
Pitch Standard BTSL	Pitch Configurable	1	6 (3/4) 8 (1)	60	-	0	2	60	60	40	10	30	M8
		2				1	4						
		3				2	6						
		4				3	8						

- Ⓜ By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex: G-BTS) For ordering, see the Ordering Example.
- Ⓜ For R and S, specify 1, 2, 3, 4, 6, 8, 1N, 2N or 3N indicated before ( ).
- Ⓜ Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
- Ⓜ Single Circuit is not available for Pitch Configurable Type.
- Ⓜ SUS316 or Brass is for up to 6 connections.
- Ⓜ Each 6 and 8 Circuit Type has an additional mounting hole at the midpoint of the overall length. 7 Circuit Type has an additional mounting hole at each midpoint of the 2 - 3 port pitch, and 5 - 6 port pitch from the left to the right. (Except 20 Sq.)

Part Number		R		S		P	
Type	Mounting Hole Change	Number of Circuits					
BTS		4	R3	S2			
BTSFLP	NA	4	R4	S3	P50		
G-BTSFLP	NA	4	R4	S3	P50 (G Thread)		

Number of Circuits	Pitch (P) Standard										Pitch (P) Configurable				Unit Price		
	20 Sq.					30x35 Sq.					20 Sq.		30x35 Sq.			50 Sq.	
	BTSB	BTSBM	BTSBR	BTS	BTSM	BTSR	BTSS	BTSC	BTSFL	BTSFLM	BTSFLR	BTSL	BTSBRP	BTSP		BTSRP	BTSFLP
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	