



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).

RoHS 10

Type		Pitch (P) Standard				Pitch (P) Configurable				Material	Surface Treatment	Max. Operating Pressure
15 Sq.	20 Sq.	25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.	35 Sq.	50 Sq.				
BTLAS	BTLAC	BTLA	BTLAK	BTLAL	BTLACP	BTLAP	BTLAKP	BTLALP		Aluminum Alloy (BTAL) (BTALP) (BTALAK) (BTALAP)	Clear Anodize	1MPa≈10kgf/cm ² or less
-	BTLACA	BTLAA	-	-	BTLACAP	BTLAAP	BTLAKP	BTLALAP				

AS932 (BTLAS) (BTAL) (BTLACA) (BTALAK) (BTALAP) (BTLACAP) (BTLAKP) (BTLALAP)

*Drawing for 3 Circuit Type is selected.
 The total number of Q and R threads is 6.

<L Dimension Calculation>
 Ex.: For BTLAP3-~P35
 $L = N \times P + 2E = (\text{Number of Circuits} - 1) \times 35 + 2 \times 20 = 110$

Mounting Hole Dimension	d	D	h	D ₁	d ₁	h ₁
M4	4.3	-	-	-	-	-
M5	5.5	9.5	5.5	8	4.2	4.5
M8	8.5	14	8.5	11	6.8	6.5

Thread: JIS B0203 Rc(PT)
JIS B0202 G(PF); ISO 228-1 Compatible
ANSI/ASME B.1.20.1-1983(NPT)

Mounting Hole Change

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

Type	Part Number	Rc (PT), NPT, M (Coarse) Selection	Pitch P	Number of Pitches	Total Number of Q and R Threads	A	B	E	F	X	Y	Mounting Hole												
													Standard	Configurable (mm increment)	N	M								
Pitch Standard BTLAS	T (Tapped)	M3 (M3) M4 (M4) 5 (M5)	15	-	0	2	15	15	15	7.5	5	3.5	M4											
					1	4																		
					2	6																		
					3	8																		
					4	10																		
					5	12																		
					6	14																		
					7	16																		
Pitch Standard Pitch Configurable BTLAC BTLACP BTLACA BTLACAP	T (Tapped)	1 (1/8) M3 (M3) M4 (M4) 5 (M5)	15	15~50	0	2	20	20	20	10	5	4	M5											
					1	4																		
					2	6																		
					3	8																		
					4	10																		
					5	12																		
					6	14																		
					7	16																		
Pitch Standard Pitch Configurable BTLA BTLAP BTLAA BTLAAP	NA (Through)	1 (1/8) 2 (1/4) 5 (M5) 1N (NPT1/8) 2N (NPT1/4)	25	20~60	0	2	25	25	20	12.5	7.5	7	M5											
					1	4																		
					2	6																		
					3	8																		
				Pitch Standard Pitch Configurable BTLAK BTLAKP BTLAAKP	T (Tapped)	1 (1/8) 2 (1/4) 5 (M5) 1N (NPT1/8) 2N (NPT1/4)								25	20~60	0	2	35	35	20	17.5	7.5	7	M5
																1	4							
																2	6							
																3	8							
Pitch Standard Pitch Configurable BTLAL BTLALP BTLALAP	ZT (Counterbore Tapped)	2 (1/4) 3 (3/8) 4 (1/2)	40				35~60	0	2	50	50	25	25		8.5	8.5	M8							
								1	4															
								2	6															
								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-BTLA) For ordering, see the Ordering Example.
- For Q and R, specify 1, 2, 3, 4, 5, M3, M4, 1N or 2N indicated before ().
- Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
- 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 15 and 20 Sq.)
- For Block Square □25 Type, when 1/4 is selected for both tapered threads at right angles, the tapered male threads may interfere with each other. Select Block Square □35 Type instead.

Part Number				Q	R	P
Type	Mounting Hole Change	Number of Circuits				
BTLAS		5	- Q3	- R2	- P50	
BTLASFP	NA	4	- Q4	- R3	- P50	
BTLA	T	4	- Q2	- R1	- P50	
BTLAP	ZT	5	- Q2	- R2	- P50	
G-BTLAP	ZT	5	- Q2	- R2	- P50 (G Thread)	

Number of Circuits	Pitch (P) Standard					Pitch (P) Configurable					Unit Price				
	15 Sq.	20 Sq.		25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.	35 Sq.	50 Sq.					
1	BTLAS	BTLAC	BTLACA	BTLA	BTLAA	BTLAK	BTLAL	BTLACP	BTLACAP	BTLAP	BTLAAP	BTLAKP	BTLALP	BTLALAP	
2															
3															
4															
5															
6															
7															
8															