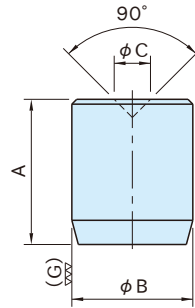


BLB

BALL DETENTS



Body
Steel (SK95) Quenched and tempered (Rc 60-62)

Part Number	A (±0.05)	B (m6)	C	Weight (g)	Ball-Plunger Thread Size (see formula below)	
BLB1	6	5	1.5	0.9	M 4	-
BLB2	7	6	2.5	1.5	M 5	φ 4
BLB3	8	7	3	2.4	M 6	φ 5
BLB4	9	8	3.5	5.5	M 8	φ 6
BLB5	14	12	5	11	M10	φ 8
BLB6	16	14	6	18	M12	φ 10
BLB7	18	16	8	27	M16	φ 12
BLB8	22	20	10	53	M20	-
BLB9	26	24	12	90	M24	-

Can be used in combination with all styles of Kipp Ball Plungers

1. Ball Detents can receive all styles of Kipp Ball Plungers. Heat treated to prevent wear, for repeated accurate positioning. The diameter is precision ground for accurate installation.
2. Ball Detents can not be used for the M3 size of Ball Plungers due to short stroke.
3. When a recommended size of Ball Detent is not used or a Ball Detent is used for a spring plunger or ball plunger of another brand, use the formula in the right to calculate the plunged depth and the effective stroke for your right choice of a Ball Detent.
4. The plunger's actual stroke can vary by approx. 10% from the values stated in the dimension table.

Formula

$$H = \frac{D+d}{2} - \sqrt{\frac{D^2 - d^2}{4}} \quad , \quad S = L - H$$

- H : Plunged depth
- S : Effective stroke
- L : Stroke of Plunger
- D : Diameter of nose or ball
- d : Receiving-hole diameter of Ball Detent

