

Code: BFZ

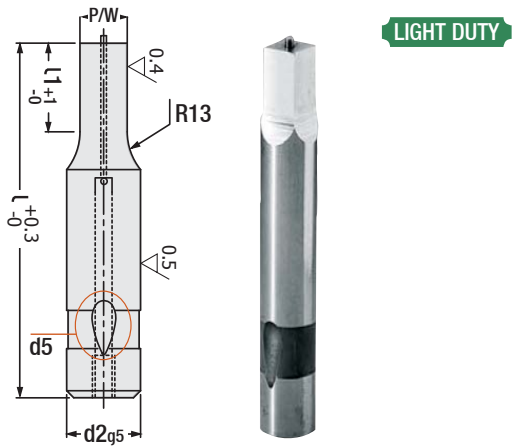
Ball Lock Punch with Ejector - Light Duty
ISO 10071 (Blank type)

Body and cutting edge are precision ground. Also, full or partial coating can be preferred upon request, by providing resistance against heat and friction on external layer, it solves problems such as winding and cold welding.

d2	d5	L	d2	d5	L
Ø 6 mm	6 mm	63	Ø 20 mm	8 mm	63
		71			71
		80			80
		90			90
		100			100
Ø 10 mm	8 mm	125	Ø 25 mm	8 mm	125
		63			63
		71			71
		80			80
		90			90
Ø 13 mm	8 mm	100	Ø 32 mm	8 mm	100
		125			125
		63			71
		71			80
		80			90
Ø 16 mm	8 mm	125	Ø 38 mm	8 mm	125
		63			80
		71			90
		80			100
		90			100

Order: **BFZ.** d2 x L
Material: 1.3343 (M2)
Hardness: 60 - 62 HRC

Note: Special dimensions on request.



Code: BF..

Ball Lock Stepped Punch with Ejector
Light Duty

Material: 1.3343 (M2) - Hardness: 60 - 62 HRC

- When P = d2 shank / body tolerances apply.
- Standard ball socket location is at 90°.

Order d2	Ball Socket d5	Shape		Standard L1	Alternative L1		L mm	
		(BFY) Round P	Other Shapes W G/P		Min.	Max.		
BF..06	6	2.2 ~5.9	2.2 -5.9	13	10	-	63 71 80 90 100 125	
BF..10	8 mm	2.5 ~9.9	2.5 -9.9	19	10	19		
BF..13		5.0 ~12.9	4.5 -12.9	19	13	25		
BF..16		8.0 ~15.9	6.0 -15.9	19	13	25		
BF..20		12 ~19.9	8.0 -19.9	19	13	25		
BF..25		16 ~24.9	10 -24.9	19	13	25		
BF..32		24 ~31.9	12.5 -31.9	25	25	30		
BF..38		30 ~37.9	14 -37.9	25	25	30		80
								90
								125

Order Codes: **BFY - BFO - BFK - BFD - BFA - BFM - BFX - BFP**

Please refer to the table on the right side →

How to order:

Shape
d2
P/W
L1
L
Material

BFY x 10 x P8.2 x 19 x 100 - M2
BFO x 13 x P8.2 x W5.2 x 25 x 100 - M2

Standard Tolerances
Round P +0.1/-0.0 $\text{Ⓢ}0.1$ From P to d2
Shape P,W,G ± 0.1 $\text{Ⓢ}0.2$ From P to d2

Standard position of ball socket is 90°. It can be preferred as 0° - 180° - 270°.

Note: Parts are viewed in die position looking from above the die.
Punches are viewed looking through the body.
Matrixes are viewed through top face.

Shapes

BFY
Round

BFO
Oval

BFK
Square

BFD
Rectangle

BFA
Hexagon

BFM
Wedged

BFX
Oval Square

BFP
Parabolic

Standard Position