

BCR, BCF

BALL THUMB SCREWS



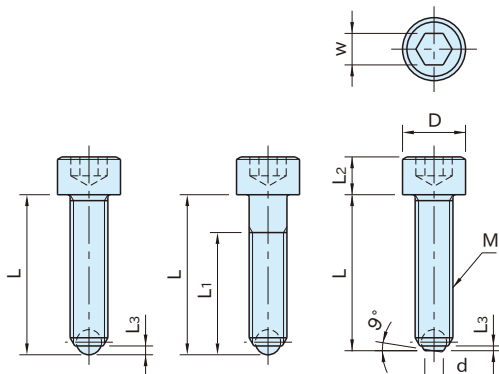
BCR
(Round Contact, Steel)



BCF
(Flat Contact, Steel)



BCR-SUS
(Round Contact, Stainless Steel)



BCR
(Round Contact, Steel)

BCR-SUS
(Round Contact, Stainless Steel)

BCF
(Flat Contact, Steel)

Type	Body	Ball
BCR	Steel (SCM435) Black oxide finish Heat treated to Rc33-39	Steel (SUJ2) Quenched and tempered Heat treated to Rc62-67
BCF		Steel (SUJ2) Quenched and tempered Heat treated to Rc56-67
BCR-SUS	Stainless steel (SUS304)	Stainless steel (SUS440C) Quenched and tempered Heat treated to Rc59-66

BCR BCR-SUS (Round Contact)

Steel		Stainless Steel		Ball Dia.	M	L	w	D	L ₂	L ₃	Weight (g)
Part Number	Part Number	L ₁									
BCR 6×16	BCR 6×16-SUS	13.9		S φ 4	M 6×1	16.9	5	10	6	1.4	5.3
BCR 6×25	BCR 6×25-SUS	22.9				25.9					7.3
BCR 6×40	BCR 6×40-SUS	24.9				40.9					11
BCR 8×20	BCR 8×20-SUS	17.3		S φ 5.5	M 8×1.25	21.3	6	13	8	1.9	13.5
BCR 8×35	BCR 8×35-SUS	32.3				36.3					19
BCR 8×50	BCR 8×50-SUS	29.3				51.3					25
BCR 10×25	BCR10×25-SUS	22.2		S φ 7	M10×1.5	26.7	8	16	10	2.4	26
BCR 10×40	BCR10×40-SUS	37.2				41.7					34
BCR 10×60	BCR10×60-SUS	33.7				61.7					47
BCR 12×30	BCR12×30-SUS	27		S φ 8.7	M12×1.75	32	10	18	12	2.9	40
BCR 12×50	BCR12×50-SUS	38				52					56
BCR 12×80	BCR12×80-SUS		82			83					
BCR 16×40	BCR16×40-SUS	37		S φ 12	M16×2	43	14	24	16	4	91
BCR 16×60	BCR16×60-SUS	47				63					122
BCR 16×90	BCR16×90-SUS		93			173					

BCF (Flat Contact)

Part Number	Ball Dia.	M	L	d	w	D	L ₂	L ₃	Weight (g)
BCF 6×16	S φ 4	M 6×1	16	3.3	5	10	6	0.5	5.3
BCF 6×25			25						7.3
BCF 6×40			40						11
BCF 8×20	S φ 5.5	M 8×1.25	20	4.6	6	13	8	0.6	13.5
BCF 8×35			35						19
BCF 8×50			50						25
BCF 10×25	S φ 7	M10×1.5	25	6	8	16	10	0.7	26
BCF 10×40			40						34
BCF 10×60			60						47
BCF 12×30	S φ 8.7	M12×1.75	30	7.4	10	18	12	0.9	40
BCF 12×50			50						56
BCF 12×80			80						83
BCF 16×40	S φ 12	M16×2	40	10.4	14	24	16	1	91
BCF 16×60			60						122
BCF 16×90			90						173

Features

- Available in 2 styles of ball round-contact **BCR** **BCR-SUS** flat-contact **BCF**
- The flat-contact style **BCF** is perfect in supporting a soft workpiece, exerting a clamping force or supporting a workpiece at an angle.

Notes

- BCF** type (flat-contact style) is available in steel only.
- BCF** type (flat-contact style) is not provided with a ball detent element.

Application Example