

# BCR, BCF

# BALL THUMB SCREWS



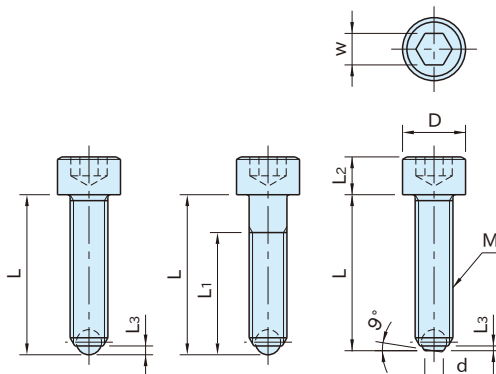
**BCR**  
(Round Contact, Steel)



**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
<b>BCR</b>	Steel (SCM435) Black oxide finish Heat treated to Rc33-39	Steel (SUJ2) Quenched and tempered Heat treated to Rc62-67
<b>BCF</b>		Steel (SUJ2) Quenched and tempered Heat treated to Rc56-67
<b>BCR-SUS</b>	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 <sub>2</sub>	L <sub>3</sub>	Weight (g)
Part Number	Part Number	L <sub>1</sub>									
<b>BCR 6×16</b>	<b>BCR 6×16-SUS</b>	13.9		S φ 4	M 6×1	16.9	5	10	6	1.4	5.3
<b>BCR 6×25</b>	<b>BCR 6×25-SUS</b>	22.9				25.9					7.3
<b>BCR 6×40</b>	<b>BCR 6×40-SUS</b>	24.9				40.9					11
<b>BCR 8×20</b>	<b>BCR 8×20-SUS</b>	17.3		S φ 5.5	M 8×1.25	21.3	6	13	8	1.9	13.5
<b>BCR 8×35</b>	<b>BCR 8×35-SUS</b>	32.3				36.3					19
<b>BCR 8×50</b>	<b>BCR 8×50-SUS</b>	29.3				51.3					25
<b>BCR 10×25</b>	<b>BCR10×25-SUS</b>	22.2		S φ 7	M10×1.5	26.7	8	16	10	2.4	26
<b>BCR 10×40</b>	<b>BCR10×40-SUS</b>	37.2				41.7					34
<b>BCR 10×60</b>	<b>BCR10×60-SUS</b>	33.7				61.7					47
<b>BCR 12×30</b>	<b>BCR12×30-SUS</b>	27		S φ 8.7	M12×1.75	32	10	18	12	2.9	40
<b>BCR 12×50</b>	<b>BCR12×50-SUS</b>	38				52					56
<b>BCR 12×80</b>	<b>BCR12×80-SUS</b>		82			83					
<b>BCR 16×40</b>	<b>BCR16×40-SUS</b>	37		S φ 12	M16×2	43	14	24	16	4	91
<b>BCR 16×60</b>	<b>BCR16×60-SUS</b>	47				63					122
<b>BCR 16×90</b>	<b>BCR16×90-SUS</b>		93			173					

**BCF** (Flat Contact)

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