

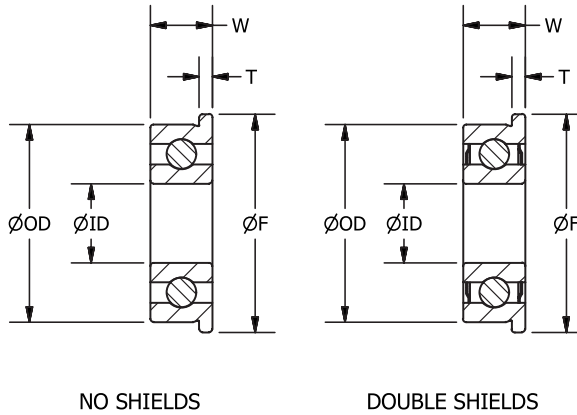
BF

COMPONENTS

Precision Ball Bearings

Flange Type

BF



Materials

ABEC 3 & 7: 440 Stainless Steel
 ABEC 1: 52100 Steel

Standard Radial Play

.0002 - .0005

Lubrication

Open: Oil per MIL-L-6085A
 Double Shielded: Grease per MIL-G-23827A

| 440C Stainless Steel | | | 52100 Steel | | ID | OD | W | F | T | Shield Data |
|----------------------|---------|---------|-------------|--------|--------|--------|-------|-------|---------------|-------------|
| ABEC 7 | ABEC 5 | ABEC 3 | ABEC 1 | | | | | | | |
| BF19-7 | --- | BF19-3 | BF19-1 | 0.0400 | 0.1250 | 0.0469 | 0.171 | 0.013 | No Shields | |
| BF16-7 | BF16-5 | BF16-3 | BF16-1 | 0.0469 | 0.1562 | 0.0625 | 0.203 | 0.023 | No Shields | |
| BF16S-7 | BF16S-5 | BF16S-3 | BF16S-1 | 0.0469 | 0.1562 | 0.0937 | 0.203 | 0.031 | Double Shield | |
| BF17-7 | BF17-5 | BF17-3 | BF17-1 | 0.0550 | 0.1875 | 0.0781 | 0.234 | 0.023 | No Shields | |
| BF17S-7 | BF17S-5 | BF17S-3 | BF17S-1 | 0.0550 | 0.1875 | 0.1094 | 0.234 | 0.031 | Double Shield | |
| BF12-7 | BF12-5 | BF12-3 | BF12-1 | 0.0781 | 0.2500 | 0.0937 | 0.296 | 0.023 | No Shields | |
| BF12S-7 | BF12S-5 | BF12S-3 | BF12S-1 | 0.0781 | 0.2500 | 0.1406 | 0.296 | 0.031 | Double Shield | |
| BF23-7 | BF23-5 | BF23-3 | BF23-1 | 0.0937 | 0.1875 | 0.0625 | 0.234 | 0.018 | No Shields | |
| BF23S-7 | BF23S-5 | BF23S-3 | BF23S-1 | 0.0937 | 0.1875 | 0.0937 | 0.234 | 0.031 | Double Shield | |
| BF13-7 | BF13-5 | BF13-3 | BF13-1 | 0.0937 | 0.3125 | 0.1094 | 0.359 | 0.023 | No Shields | |
| BF13S-7 | BF13S-5 | BF13S-3 | BF13S-1 | 0.0937 | 0.3125 | 0.1406 | 0.359 | 0.031 | Double Shield | |
| BF14-7 | BF14-5 | BF14-3 | BF14-1 | 0.1250 | 0.2500 | 0.0937 | 0.296 | 0.023 | No Shields | |
| BF14S-7 | BF14S-5 | BF14S-3 | BF14S-1 | 0.1250 | 0.2500 | 0.1094 | 0.296 | 0.031 | Double Shield | |
| BF15-7 | BF15-5 | BF15-3 | BF15-1 | 0.1250 | 0.3125 | 0.1094 | 0.359 | 0.023 | No Shields | |
| BF15S-7 | BF15S-5 | BF15S-3 | BF15S-1 | 0.1250 | 0.3125 | 0.1406 | 0.359 | 0.031 | Double Shield | |
| BF24-7 | BF24-5 | BF24-3 | BF24-1 | 0.1250 | 0.3750 | 0.1094 | 0.422 | 0.023 | No Shields | |
| BF24S-7 | BF24S-5 | BF24S-3 | BF24S-1 | 0.1250 | 0.3750 | 0.1406 | 0.422 | 0.031 | Double Shield | |
| BF5-7 | BF5-5 | BF5-3 | BF5-1 | 0.1250 | 0.3750 | 0.1562 | 0.440 | 0.030 | No Shields | |
| BF5S-7 | BF5S-5 | BF5S-3 | BF5S-1 | 0.1250 | 0.3750 | 0.1562 | 0.440 | 0.030 | Double Shield | |
| BF20-7 | BF20-5 | BF20-3 | BF20-1 | 0.1562 | 0.3125 | 0.1094 | 0.359 | 0.023 | No Shields | |
| BF20S-7 | BF20S-5 | BF20S-3 | BF20S-1 | 0.1562 | 0.3125 | 0.1250 | 0.359 | 0.036 | Double Shield | |
| BF18-7 | BF18-5 | BF18-3 | BF18-1 | 0.1875 | 0.3125 | 0.1094 | 0.359 | 0.023 | No Shields | |
| BF18S-7 | BF18S-5 | BF18S-3 | BF18S-1 | 0.1875 | 0.3125 | 0.1250 | 0.359 | 0.036 | Double Shield | |
| BF9-7 | BF9-5 | BF9-3 | BF9-1 | 0.1875 | 0.3750 | 0.1250 | 0.422 | 0.023 | No Shields | |
| BF9S-7 | BF9S-5 | BF9S-3 | BF9S-1 | 0.1875 | 0.3750 | 0.1250 | 0.422 | 0.031 | Double Shield | |
| BF6-7 | BF6-5 | BF6-3 | --- | 0.1875 | 0.5000 | 0.1562 | 0.565 | 0.042 | No Shields | |
| BF6S-7 | BF6S-5 | BF6S-3 | BF6S-1 | 0.1875 | 0.5000 | 0.1960 | 0.565 | 0.042 | Double Shield | |
| BF10-7 | BF10-5 | BF10-3 | BF10-1 | 0.2500 | 0.3750 | 0.1250 | 0.422 | 0.023 | No Shields | |
| BF10S-7 | BF10S-5 | BF10S-3 | BF10S-1 | 0.2500 | 0.3750 | 0.1250 | 0.422 | 0.036 | Double Shield | |
| BF11-7 | BF11-5 | BF11-3 | BF11-1 | 0.2500 | 0.5000 | 0.1250 | 0.547 | 0.023 | No Shields | |
| BF11S-7 | BF11S-5 | BF11S-3 | BF11S-1 | 0.2500 | 0.5000 | 0.1875 | 0.547 | 0.045 | Double Shield | |
| BF7-7 | BF7-5 | BF7-3 | BF7-1 | 0.2500 | 0.6250 | 0.1960 | 0.690 | 0.042 | No Shields | |
| BF7S-7 | BF7S-5 | BF7S-3 | BF7S-1 | 0.2500 | 0.6250 | 0.1960 | 0.690 | 0.042 | Double Shield | |
| BF21-7 | BF21-5 | BF21-3 | BF21-1 | 0.3125 | 0.5000 | 0.1562 | 0.547 | 0.031 | No Shields | |
| BF21S-7 | BF21S-5 | BF21S-3 | BF21S-1 | 0.3125 | 0.5000 | 0.1562 | 0.547 | 0.031 | Double Shield | |
| BF8-7 | BF8-5 | BF8-3 | BF8-1 | 0.3750 | 0.8750 | 0.2812 | 0.969 | 0.062 | No Shields | |
| BF8S-7 | BF8S-5 | BF8S-3 | BF8S-1 | 0.3750 | 0.8750 | 0.2812 | 0.969 | 0.062 | Double Shield | |
| BF22-7 | --- | BF22-3 | BF22-1 | 0.5000 | 1.1250 | 0.2182 | 1.225 | 0.062 | No Shields | |
| BF22S-7 | --- | BF22S-3 | BF22S-1 | 0.5000 | 1.1250 | 0.2182 | 1.225 | 0.062 | Double Shield | |