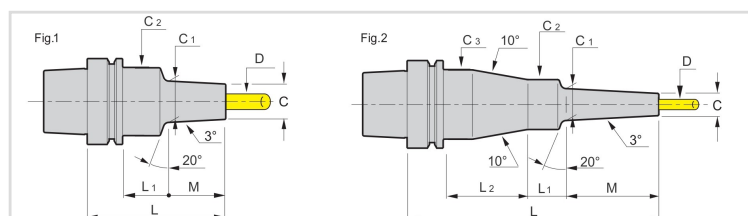


## Cone Térmico HSK A63 - Mono 3°

## Categorias

- Mono 3°



| Ref.            | Descrição          | ØD | ØC  | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|--------------------|----|-----|-----------|-----|-----|----|----|------|------|
| 930101203095M42 | A63-SLSA3-95-M42   | 3  | 6   | 1.5       | 95  | 42  | 27 | -  | 10.4 | 1    |
| 930101203120M67 | A63-SLSA3-120-M67  | 3  | 6   | 1.5       | 120 | 67  | 27 | -  | 13   | 1    |
| 930101203125M42 | A63-SLSA3-125-M42  | 3  | 6   | 1.5       | 125 | 42  | 57 | -  | 10.4 | 1    |
| 930101203150M67 | A63-SLSA3-150-M67  | 3  | 6   | 1.5       | 150 | 67  | 57 | -  | 13   | 1    |
| 930101203151M97 | A63-SLSA3-150-M97  | 3  | 6   | 1.5       | 150 | 97  | 27 | -  | 16.2 | 1    |
| 930101203155M42 | A63-SLSA3-155-M42  | 3  | 6   | 1.5       | 155 | 42  | 33 | 54 | 10.4 | 2    |
| 930101203180M67 | A63-SLSA3-180-M67  | 3  | 6   | 1.5       | 180 | 67  | 33 | 54 | 13   | 2    |
| 930101203181M97 | A63-SLSA3-180-M97  | 3  | 6   | 1.5       | 180 | 97  | 57 | -  | 16.2 | 1    |
| 930101203210M97 | A63-SLSA3-210-M97  | 3  | 6   | 1.5       | 210 | 97  | 33 | 54 | 16.2 | 2    |
| 930101103075M22 | A63-SLRA3-75-M22   | 3  | 7.5 | 2.25      | 75  | 22  | 27 | -  | 9.8  | 1    |
| 930101103095M42 | A63-SLRA3-95-M42   | 3  | 7.5 | 2.25      | 95  | 42  | 27 | -  | 11.9 | 1    |
| 930101103105M22 | A63-SLRA3-105-M22  | 3  | 7.5 | 2.25      | 105 | 22  | 57 | -  | 9.8  | 1    |
| 930101103120M67 | A63-SLRA3-120-M67  | 3  | 7.5 | 2.25      | 120 | 67  | 27 | -  | 14.5 | 1    |
| 930101103125M42 | A63-SLRA3-125-M42  | 3  | 7.5 | 2.25      | 125 | 42  | 57 | -  | 11.9 | 1    |
| 930101103135M22 | A63-SLRA3-135-M22  | 3  | 7.5 | 2.25      | 135 | 22  | 33 | 54 | 9.8  | 2    |
| 930101103150M67 | A63-SLRA3-150-M67  | 3  | 7.5 | 2.25      | 150 | 67  | 57 | -  | 14.5 | 1    |
| 930101103151M97 | A63-SLRA3-150-M97  | 3  | 7.5 | 2.25      | 150 | 97  | 27 | -  | 17.7 | 1    |
| 930101103155M42 | A63-SLRA3-155-M42  | 3  | 7.5 | 2.25      | 155 | 42  | 33 | 54 | 11.9 | 2    |
| 930101103180M67 | A63-SLRA3-180-M67  | 3  | 7.5 | 2.25      | 180 | 67  | 33 | 54 | 14.5 | 2    |
| 930101103180M97 | A63-SLRA3-180-M97  | 3  | 7.5 | 2.25      | 180 | 97  | 57 | -  | 17.7 | 1    |
| 930101103180M12 | A63-SLRA3-180-M127 | 3  | 7.5 | 2.25      | 180 | 127 | 27 | -  | 20.8 | 1    |
| 930101103210M97 | A63-SLRA3-210-M97  | 3  | 7.5 | 2.25      | 210 | 97  | 33 | 54 | 17.7 | 2    |
| 930101103211M12 | A63-SLRA3-210-M127 | 3  | 7.5 | 2.25      | 210 | 127 | 57 | -  | 20.8 | 1    |
| 930101103240M12 | A63-SLRA3-240-M127 | 3  | 7.5 | 2.25      | 240 | 127 | 28 | 59 | 20.8 | 2    |
| 930101303075M22 | A63-SLFB3-75-M22   | 3  | 9.5 | 3.25      | 75  | 22  | 27 | -  | 11.8 | 1    |
| 930101303095M42 | A63-SLFB3-95-M42   | 3  | 9.5 | 3.25      | 95  | 42  | 27 | -  | 13.9 | 1    |

| Ref.            | Descrição          | ØD | ØC  | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|--------------------|----|-----|-----------|-----|-----|----|----|------|------|
| 930101303105M22 | A63-SLFB3-105-M22  | 3  | 9.5 | 3.25      | 105 | 22  | 57 | -  | 11.8 | 1    |
| 930101303120M67 | A63-SLFB3-120-M67  | 3  | 9.5 | 3.25      | 120 | 67  | 27 | -  | 16.5 | 1    |
| 930101303125M42 | A63-SLFB3-125-M42  | 3  | 9.5 | 3.25      | 125 | 42  | 57 | -  | 13.9 | 1    |
| 930101303135M22 | A63-SLFB3-135-M22  | 3  | 9.5 | 3.25      | 135 | 22  | 33 | 54 | 11.8 | 2    |
| 930101303150M67 | A63-SLFB3-150-M67  | 3  | 9.5 | 3.25      | 150 | 67  | 57 | -  | 16.5 | 1    |
| 930101303155M42 | A63-SLFB3-155-M42  | 3  | 9.5 | 3.25      | 155 | 42  | 33 | 54 | 13.9 | 2    |
| 930101303180M67 | A63-SLFB3-180-M67  | 3  | 9.5 | 3.25      | 180 | 67  | 33 | 54 | 16.5 | 2    |
| 930101204095M42 | A63-SLSA4-95-M42   | 4  | 7   | 1.5       | 95  | 42  | 27 | -  | 11.4 | 1    |
| 930101204120M67 | A63-SLSA4-120-M67  | 4  | 7   | 1.5       | 120 | 67  | 27 | -  | 14   | 1    |
| 930101204125M42 | A63-SLSA4-125-M42  | 4  | 7   | 1.5       | 125 | 42  | 57 | -  | 11.4 | 1    |
| 930101204150M67 | A63-SLSA4-150-M67  | 4  | 7   | 1.5       | 150 | 67  | 57 | -  | 14   | 1    |
| 930101204151M97 | A63-SLSA4-150-M97  | 4  | 7   | 1.5       | 150 | 97  | 27 | -  | 17.2 | 1    |
| 930101204155M42 | A63-SLSA4-155-M42  | 4  | 7   | 1.5       | 155 | 42  | 33 | 54 | 11.4 | 2    |
| 930101204180M67 | A63-SLSA4-180-M67  | 4  | 7   | 1.5       | 180 | 67  | 33 | 54 | 14   | 2    |
| 930101204180M97 | A63-SLSA4-180-M97  | 4  | 7   | 1.5       | 180 | 97  | 57 | -  | 17.2 | 1    |
| 930101204210M97 | A63-SLSA4-210-M97  | 4  | 7   | 1.5       | 210 | 97  | 33 | 54 | 17.2 | 2    |
| 930101104075M22 | A63-SLRA4-75-M22   | 4  | 10  | 3         | 75  | 22  | 27 | -  | 12.3 | 1    |
| 930101104095M42 | A63-SLRA4-95-M42   | 4  | 10  | 3         | 95  | 42  | 27 | -  | 14.4 | 1    |
| 930101104105M22 | A63-SLRA4-105-M22  | 4  | 10  | 3         | 105 | 22  | 57 | -  | 12.3 | 1    |
| 930101104120M67 | A63-SLRA4-120-M67  | 4  | 10  | 3         | 120 | 67  | 27 | -  | 17   | 1    |
| 930101104125M42 | A63-SLRA4-125-M42  | 4  | 10  | 3         | 125 | 42  | 57 | -  | 14.4 | 1    |
| 930101104135M22 | A63-SLRA4-135-M22  | 4  | 10  | 3         | 135 | 22  | 33 | 54 | 12.3 | 2    |
| 930101104150M67 | A63-SLRA4-150-M67  | 4  | 10  | 3         | 150 | 67  | 57 | -  | 17   | 1    |
| 930101104151M97 | A63-SLRA4-150-M97  | 4  | 10  | 3         | 150 | 97  | 27 | -  | 20.2 | 1    |
| 930101104155M42 | A63-SLRA4-155-M42  | 4  | 10  | 3         | 155 | 42  | 33 | 54 | 14.4 | 2    |
| 930101104180M67 | A63-SLRA4-180-M67  | 4  | 10  | 3         | 180 | 67  | 33 | 54 | 17   | 2    |
| 930101104180M97 | A63-SLRA4-180-M97  | 4  | 10  | 3         | 180 | 97  | 57 | -  | 20.2 | 1    |
| 930101104180M12 | A63-SLRA4-180-M127 | 4  | 10  | 3         | 180 | 127 | 27 | -  | 23.3 | 1    |
| 930101104210M97 | A63-SLRA4-210-M97  | 4  | 10  | 3         | 210 | 97  | 33 | 54 | 20.2 | 2    |
| 930101104211M12 | A63-SLRA4-210-M127 | 4  | 10  | 3         | 210 | 127 | 57 | -  | 23.3 | 1    |
| 930101104240M12 | A63-SLRA4-240-M127 | 4  | 10  | 3         | 240 | 127 | 28 | 59 | 23.3 | 2    |
| 930101304075M22 | A63-SLFB4-75-M22   | 4  | 12  | 4         | 75  | 22  | 27 | -  | 14.3 | 1    |
| 930101304095M42 | A63-SLFB4-95-M42   | 4  | 12  | 4         | 95  | 42  | 27 | -  | 16.4 | 1    |
| 930101304105M22 | A63-SLFB4-105-M22  | 4  | 12  | 4         | 105 | 22  | 57 | -  | 14.3 | 1    |
| 930101304120M67 | A63-SLFB4-120-M67  | 4  | 12  | 4         | 120 | 67  | 27 | -  | 19   | 1    |
| 930101304125M42 | A63-SLFB4-125-M42  | 4  | 12  | 4         | 125 | 42  | 57 | -  | 16.4 | 1    |
| 930101304135M22 | A63-SLFB4-135-M22  | 4  | 12  | 4         | 135 | 22  | 33 | 54 | 14.3 | 2    |
| 930101304150M67 | A63-SLFB4-150-M67  | 4  | 12  | 4         | 150 | 67  | 57 | -  | 19   | 1    |
| 930101304155M42 | A63-SLFB4-155-M42  | 4  | 12  | 4         | 155 | 42  | 33 | 54 | 16.4 | 2    |
| 930101304180M67 | A63-SLFB4-180-M67  | 4  | 12  | 4         | 180 | 67  | 33 | 54 | 19   | 2    |
| 930101206095M42 | A63-SLSA6-95-M42   | 6  | 9   | 1.5       | 95  | 42  | 27 | -  | 13.4 | 1    |
| 930101206120M67 | A63-SLSA6-120-M67  | 6  | 9   | 1.5       | 120 | 67  | 27 | -  | 16   | 1    |
| 930101206125M42 | A63-SLSA6-125-M42  | 6  | 9   | 1.5       | 125 | 42  | 57 | -  | 13.4 | 1    |

| Ref.            | Descrição          | ØD | ØC | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|--------------------|----|----|-----------|-----|-----|----|----|------|------|
| 930101206150M67 | A63-SLSA6-150-M67  | 6  | 9  | 1.5       | 150 | 67  | 57 | -  | 16   | 1    |
| 930101206151M97 | A63-SLSA6-150-M97  | 6  | 9  | 1.5       | 150 | 97  | 27 | -  | 19.2 | 1    |
| 930101206155M42 | A63-SLSA6-155-M42  | 6  | 9  | 1.5       | 155 | 42  | 33 | 54 | 13.4 | 2    |
| 930101206180M67 | A63-SLSA6-180-M67  | 6  | 9  | 1.5       | 180 | 67  | 33 | 54 | 16   | 2    |
| 930101206181M97 | A63-SLSA6-180-M97  | 6  | 9  | 1.5       | 180 | 97  | 57 | -  | 19.2 | 1    |
| 930101206210M97 | A63-SLSA6-210-M97  | 6  | 9  | 1.5       | 210 | 97  | 28 | 59 | 19.2 | 2    |
| 930101506095M42 | A63-SLSB6-95-M42   | 6  | 10 | 2         | 95  | 42  | 27 | -  | 14.4 | 1    |
| 930101506120M67 | A63-SLSB6-120-M67  | 6  | 10 | 2         | 120 | 67  | 27 | -  | 17   | 1    |
| 930101506125M42 | A63-SLSB6-125-M42  | 6  | 10 | 2         | 125 | 42  | 57 | -  | 14.4 | 1    |
| 930101506150M67 | A63-SLSB6-150-M67  | 6  | 10 | 2         | 150 | 67  | 57 | -  | 17   | 1    |
| 930101506151M97 | A63-SLSB6-150-M97  | 6  | 10 | 2         | 150 | 97  | 27 | -  | 20.2 | 1    |
| 930101506155M42 | A63-SLSB6-155-M42  | 6  | 10 | 2         | 155 | 42  | 33 | 54 | 14.4 | 2    |
| 930101506180M67 | A63-SLSB6-180-M67  | 6  | 10 | 2         | 180 | 67  | 33 | 54 | 17   | 2    |
| 930101506180M97 | A63-SLSB6-180-M97  | 6  | 10 | 2         | 180 | 97  | 57 | -  | 20.2 | 1    |
| 930101506180M12 | A63-SLSB6-180-M127 | 6  | 10 | 2         | 180 | 127 | 27 | -  | 23.3 | 1    |
| 930101506210M97 | A63-SLSB6-210-M97  | 6  | 10 | 2         | 210 | 97  | 28 | 59 | 20.2 | 2    |
| 930101506210M12 | A63-SLSB6-210-M127 | 6  | 10 | 2         | 210 | 127 | 57 | -  | 23.3 | 1    |
| 930101506210M15 | A63-SLSB6-210-M157 | 6  | 10 | 2         | 210 | 157 | 27 | -  | 26.5 | 1    |
| 930101506240M12 | A63-SLSB6-240-M127 | 6  | 10 | 2         | 240 | 127 | 30 | 57 | 23.3 | 2    |
| 930101506241M15 | A63-SLSB6-240-M157 | 6  | 10 | 2         | 240 | 157 | 57 | -  | 26.5 | 1    |
| 930101506270M15 | A63-SLSB6-270-M157 | 6  | 10 | 2         | 270 | 157 | 30 | 57 | 26.5 | 2    |
| 930101406075M22 | A63-SLRB6-75-M22   | 6  | 14 | 4         | 75  | 22  | 27 | -  | 16.3 | 1    |
| 930101406095M42 | A63-SLRB6-95-M42   | 6  | 14 | 4         | 95  | 42  | 27 | -  | 18.4 | 1    |
| 930101406105M22 | A63-SLRB6-105-M22  | 6  | 14 | 4         | 105 | 22  | 57 | -  | 16.3 | 1    |
| 930101406120M67 | A63-SLRB6-120-M67  | 6  | 14 | 4         | 120 | 67  | 27 | -  | 21   | 1    |
| 930101406125M42 | A63-SLRB6-125-M42  | 6  | 14 | 4         | 125 | 42  | 57 | -  | 18.4 | 1    |
| 930101406135M22 | A63-SLRB6-135-M22  | 6  | 14 | 4         | 135 | 22  | 30 | 57 | 16.3 | 2    |
| 930101406150M67 | A63-SLRB6-150-M67  | 6  | 14 | 4         | 150 | 67  | 57 | -  | 21   | 1    |
| 930101406155M42 | A63-SLRB6-155-M42  | 6  | 14 | 4         | 155 | 42  | 30 | 57 | 18.4 | 2    |
| 930101406180M67 | A63-SLRB6-180-M67  | 6  | 14 | 4         | 180 | 67  | 30 | 57 | 21   | 2    |
| 930101306075M22 | A63-SLFB6-75-M22   | 6  | 14 | 4         | 75  | 22  | 27 | -  | 16.3 | 1    |
| 930101306095M42 | A63-SLFB6-95-M42   | 6  | 14 | 4         | 95  | 42  | 27 | -  | 18.4 | 1    |
| 930101306105M22 | A63-SLFB6-105-M22  | 6  | 14 | 4         | 105 | 22  | 57 | -  | 16.3 | 1    |
| 930101306120M67 | A63-SLFB6-120-M67  | 6  | 14 | 4         | 120 | 67  | 27 | -  | 21   | 1    |
| 930101306125M42 | A63-SLFB6-125-M42  | 6  | 14 | 4         | 125 | 42  | 57 | -  | 18.4 | 1    |
| 930101306135M22 | A63-SLFB6-135-M22  | 6  | 14 | 4         | 135 | 22  | 28 | 59 | 16.3 | 2    |
| 930101306150M67 | A63-SLFB6-150-M67  | 6  | 14 | 4         | 150 | 67  | 57 | -  | 21   | 1    |
| 930101306155M42 | A63-SLFB6-155-M42  | 6  | 14 | 4         | 155 | 42  | 30 | 57 | 18.4 | 2    |
| 930101306180M67 | A63-SLFB6-180-M67  | 6  | 14 | 4         | 180 | 67  | 30 | 57 | 21   | 2    |
| 930101208095M42 | A63-SLSA8-95-M42   | 8  | 11 | 1.5       | 95  | 42  | 27 | -  | 15.4 | 1    |
| 930101208120M67 | A63-SLSA8-120-M67  | 8  | 11 | 1.5       | 120 | 67  | 27 | -  | 18   | 1    |
| 930101208125M42 | A63-SLSA8-125-M42  | 8  | 11 | 1.5       | 125 | 42  | 57 | -  | 15.4 | 1    |
| 930101208150M67 | A63-SLSA8-150-M67  | 8  | 11 | 1.5       | 150 | 67  | 57 | -  | 18   | 1    |

| Ref.            | Descrição          | ØD | ØC | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|--------------------|----|----|-----------|-----|-----|----|----|------|------|
| 930101208151M97 | A63-SLSA8-150-M97  | 8  | 11 | 1.5       | 150 | 97  | 27 | -  | 21.2 | 1    |
| 930101208155M42 | A63-SLSA8-155-M42  | 8  | 11 | 1.5       | 155 | 42  | 33 | 54 | 15.4 | 2    |
| 930101208180M67 | A63-SLSA8-180-M67  | 8  | 11 | 1.5       | 180 | 67  | 30 | 57 | 18   | 2    |
| 930101208180M97 | A63-SLSA8-180-M97  | 8  | 11 | 1.5       | 180 | 97  | 57 | -  | 21.2 | 1    |
| 930101208210M97 | A63-SLSA8-210-M97  | 8  | 11 | 1.5       | 210 | 97  | 28 | 59 | 21.3 | 2    |
| 930101508095M42 | A63-SLSB8-95-M42   | 8  | 13 | 2.5       | 95  | 42  | 27 | -  | 17.4 | 1    |
| 930101508120M67 | A63-SLSB8-120-M67  | 8  | 13 | 2.5       | 120 | 67  | 27 | -  | 20   | 1    |
| 930101508125M42 | A63-SLSB8-125-M42  | 8  | 13 | 2.5       | 125 | 42  | 57 | -  | 17.4 | 1    |
| 930101508150M67 | A63-SLSB8-150-M67  | 8  | 13 | 2.5       | 150 | 67  | 57 | -  | 20   | 1    |
| 930101508151M97 | A63-SLSB8-150-M97  | 8  | 13 | 2.5       | 150 | 97  | 27 | -  | 23.2 | 1    |
| 930101508155M42 | A63-SLSB8-155-M42  | 8  | 13 | 2.5       | 155 | 42  | 30 | 57 | 17.4 | 2    |
| 930101508180M67 | A63-SLSB8-180-M67  | 8  | 13 | 2.5       | 180 | 67  | 30 | 57 | 20   | 2    |
| 930101508180M97 | A63-SLSB8-180-M97  | 8  | 13 | 2.5       | 180 | 97  | 57 | -  | 23.2 | 1    |
| 930101508180M12 | A63-SLSB8-180-M127 | 8  | 13 | 2.5       | 180 | 127 | 27 | -  | 26.3 | 1    |
| 930101508210M97 | A63-SLSB8-210-M97  | 8  | 13 | 2.5       | 210 | 97  | 28 | 59 | 23.2 | 2    |
| 930101508210M12 | A63-SLSB8-210-M127 | 8  | 13 | 2.5       | 210 | 127 | 57 | -  | 26.3 | 1    |
| 930101508210M15 | A63-SLSB8-210-M157 | 8  | 13 | 2.5       | 210 | 157 | 27 | -  | 29.5 | 1    |
| 930101508240M12 | A63-SLSB8-240-M127 | 8  | 13 | 2.5       | 240 | 127 | 30 | 57 | 26.3 | 2    |
| 930101508241M15 | A63-SLSB8-240-M157 | 8  | 13 | 2.5       | 240 | 157 | 57 | -  | 29.5 | 1    |
| 930101508272M15 | A63-SLSB8-270-M157 | 8  | 13 | 2.5       | 270 | 157 | 28 | 59 | 29.5 | 2    |
| 930101408075M22 | A63-SLRB8-75-M22   | 8  | 18 | 5         | 75  | 22  | 27 | -  | 20.3 | 1    |
| 930101408095M42 | A63-SLRB8-95-M42   | 8  | 18 | 5         | 95  | 42  | 27 | -  | 22.4 | 1    |
| 930101408105M22 | A63-SLRB8-105-M22  | 8  | 18 | 5         | 105 | 22  | 57 | -  | 20.3 | 1    |
| 930101408120M67 | A63-SLRB8-120-M67  | 8  | 18 | 5         | 120 | 67  | 27 | -  | 25   | 1    |
| 930101408125M42 | A63-SLRB8-125-M42  | 8  | 18 | 5         | 125 | 42  | 57 | -  | 22.4 | 1    |
| 930101408135M22 | A63-SLRB8-135-M22  | 8  | 18 | 5         | 135 | 22  | 30 | 57 | 20.3 | 2    |
| 930101408150M67 | A63-SLRB8-150-M67  | 8  | 18 | 5         | 150 | 67  | 57 | -  | 25   | 1    |
| 930101408155M42 | A63-SLRB8-155-M42  | 8  | 18 | 5         | 155 | 42  | 30 | 57 | 22.4 | 2    |
| 930101408180M67 | A63-SLRB8-180-M67  | 8  | 18 | 5         | 180 | 67  | 30 | 57 | 25   | 2    |
| 930101308075M22 | A63-SLFB8-75-M22   | 8  | 18 | 5         | 75  | 22  | 27 | -  | 20.3 | 1    |
| 930101308095M42 | A63-SLFB8-95-M42   | 8  | 18 | 5         | 95  | 42  | 27 | -  | 22.4 | 1    |
| 930101308105M22 | A63-SLFB8-105-M22  | 8  | 18 | 5         | 105 | 22  | 57 | -  | 20.3 | 1    |
| 930101308120M67 | A63-SLFB8-120-M67  | 8  | 18 | 5         | 120 | 67  | 27 | -  | 25   | 1    |
| 930101308125M42 | A63-SLFB8-125-M42  | 8  | 18 | 5         | 125 | 42  | 57 | -  | 22.4 | 1    |
| 930101308135M22 | A63-SLFB8-135-M22  | 8  | 18 | 5         | 135 | 22  | 30 | 57 | 20.3 | 2    |
| 930101308150M67 | A63-SLFB8-150-M67  | 8  | 18 | 5         | 150 | 67  | 57 | -  | 25   | 1    |
| 930101308155M42 | A63-SLFB8-155-M42  | 8  | 18 | 5         | 155 | 42  | 30 | 57 | 22.4 | 2    |
| 930101308180M67 | A63-SLFB8-180-M67  | 8  | 18 | 5         | 180 | 67  | 30 | 57 | 25   | 2    |
| 930101210095M42 | A63-SLSA10-95-M42  | 10 | 13 | 1.5       | 95  | 42  | 27 | -  | 17.4 | 1    |
| 930101210120M67 | A63-SLSA10-120-M67 | 10 | 13 | 1.5       | 120 | 67  | 27 | -  | 20   | 1    |
| 930101210125M42 | A63-SLSA10-125-M42 | 10 | 13 | 1.5       | 125 | 42  | 57 | -  | 17.4 | 1    |
| 930101210150M67 | A63-SLSA10-150-M67 | 10 | 13 | 1.5       | 150 | 67  | 57 | -  | 20   | 1    |
| 930101210151M97 | A63-SLSA10-150-M97 | 10 | 13 | 1.5       | 150 | 97  | 27 | -  | 23.2 | 1    |

| Ref.            | Descrição           | ØD | ØC | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|---------------------|----|----|-----------|-----|-----|----|----|------|------|
| 930101210155M42 | A63-SLSA10-155-M42  | 10 | 13 | 1.5       | 155 | 42  | 33 | 54 | 17.4 | 2    |
| 930101210180M67 | A63-SLSA10-180-M67  | 10 | 13 | 1.5       | 180 | 67  | 30 | 57 | 20   | 2    |
| 930101210181M97 | A63-SLSA10-180-M97  | 10 | 13 | 1.5       | 180 | 97  | 57 | -  | 23.2 | 1    |
| 930101210210M97 | A63-SLSA10-210-M97  | 10 | 13 | 1.5       | 210 | 97  | 30 | 57 | 23.2 | 2    |
| 930101510095M42 | A63-SLSB10-95-M42   | 10 | 16 | 3         | 95  | 42  | 27 | -  | 20.4 | 1    |
| 930101510120M67 | A63-SLSB10-120-M67  | 10 | 16 | 3         | 120 | 67  | 27 | -  | 23   | 1    |
| 930101510125M42 | A63-SLSB10-125-M42  | 10 | 16 | 3         | 125 | 42  | 57 | -  | 20.4 | 1    |
| 930101510150M67 | A63-SLSB10-150-M67  | 10 | 16 | 3         | 150 | 67  | 57 | -  | 23   | 1    |
| 930101510151M97 | A63-SLSB10-150-M97  | 10 | 16 | 3         | 150 | 97  | 27 | -  | 26.2 | 1    |
| 930101510155M42 | A63-SLSB10-155-M42  | 10 | 16 | 3         | 155 | 42  | 28 | 59 | 20.4 | 2    |
| 930101510180M67 | A63-SLSB10-180-M67  | 10 | 16 | 3         | 180 | 67  | 30 | 57 | 23   | 2    |
| 930101510180M97 | A63-SLSB10-180-M97  | 10 | 16 | 3         | 180 | 97  | 57 | -  | 26.2 | 1    |
| 930101510180M12 | A63-SLSB10-180-M127 | 10 | 16 | 3         | 180 | 127 | 27 | -  | 29.3 | 1    |
| 930101510210M97 | A63-SLSB10-210-M97  | 10 | 16 | 3         | 210 | 97  | 28 | 59 | 26.2 | 2    |
| 930101510210M12 | A63-SLSB10-210-M127 | 10 | 16 | 3         | 210 | 127 | 57 | -  | 29.3 | 1    |
| 930101510210M15 | A63-SLSB10-210-M157 | 10 | 16 | 3         | 210 | 157 | 27 | -  | 32.5 | 1    |
| 930101510240M12 | A63-SLSB10-240-M127 | 10 | 16 | 3         | 240 | 127 | 87 | -  | 29.3 | 1    |
| 930101510241M15 | A63-SLSB10-240-M157 | 10 | 16 | 3         | 240 | 157 | 57 | -  | 32.5 | 1    |
| 930101510270M15 | A63-SLSB10-270-M157 | 10 | 16 | 3         | 270 | 157 | 28 | 59 | 32.5 | 2    |
| 930101410075M22 | A63-SLRB10-75-M22   | 10 | 22 | 6         | 75  | 22  | 27 | -  | 24.3 | 1    |
| 930101410095M42 | A63-SLRB10-95-M42   | 10 | 22 | 6         | 95  | 42  | 27 | -  | 26.4 | 1    |
| 930101410105M22 | A63-SLRB10-105-M22  | 10 | 22 | 6         | 105 | 22  | 57 | -  | 24.3 | 1    |
| 930101410120M67 | A63-SLRB10-120-M67  | 10 | 22 | 6         | 120 | 67  | 27 | -  | 29   | 1    |
| 930101410125M42 | A63-SLRB10-125-M42  | 10 | 22 | 6         | 125 | 42  | 57 | -  | 26.4 | 1    |
| 930101410135M22 | A63-SLRB10-135-M22  | 10 | 22 | 6         | 135 | 22  | 30 | 57 | 24.3 | 2    |
| 930101410150M67 | A63-SLRB10-150-M67  | 10 | 22 | 6         | 150 | 67  | 57 | -  | 29   | 1    |
| 930101410155M42 | A63-SLRB10-155-M42  | 10 | 22 | 6         | 155 | 42  | 28 | 59 | 26.4 | 2    |
| 930101410180M67 | A63-SLRB10-180-M67  | 10 | 22 | 6         | 180 | 67  | 28 | 59 | 29   | 2    |
| 930101310075M22 | A63-SLFB10-75-M22   | 10 | 22 | 6         | 75  | 22  | 27 | -  | 24.3 | 1    |
| 930101310195M42 | A63-SLFB10-95-M42   | 10 | 22 | 6         | 95  | 42  | 27 | -  | 26.4 | 1    |
| 930101310105M22 | A63-SLFB10-105-M22  | 10 | 22 | 6         | 105 | 22  | 57 | -  | 24.3 | 1    |
| 930101310120M67 | A63-SLFB10-120-M67  | 10 | 22 | 6         | 120 | 67  | 27 | -  | 29   | 1    |
| 930101310125M42 | A63-SLFB10-125-M42  | 10 | 22 | 6         | 125 | 42  | 57 | -  | 26.4 | 1    |
| 930101310135M22 | A63-SLFB10-135-M22  | 10 | 22 | 6         | 135 | 22  | 30 | 57 | 24.3 | 2    |
| 930101310150M67 | A63-SLFB10-150-M67  | 10 | 22 | 6         | 150 | 67  | 57 | -  | 29   | 1    |
| 930101310155M42 | A63-SLFB10-155-M42  | 10 | 22 | 6         | 155 | 42  | 30 | 57 | 26.4 | 2    |
| 930101310180M67 | A63-SLFB10-180-M67  | 10 | 22 | 6         | 180 | 67  | 28 | 59 | 29   | 2    |
| 930101212095M42 | A63-SLSA12-95-M42   | 12 | 15 | 1.5       | 95  | 42  | 27 | -  | 19.4 | 1    |
| 930101212120M67 | A63-SLSA12-120-M67  | 12 | 15 | 1.5       | 120 | 67  | 27 | -  | 22   | 1    |
| 930101212125M42 | A63-SLSA12-125-M42  | 12 | 15 | 1.5       | 125 | 42  | 57 | -  | 19.4 | 1    |
| 930101212150M67 | A63-SLSA12-150-M67  | 12 | 15 | 1.5       | 150 | 67  | 57 | -  | 22   | 1    |
| 930101212151M97 | A63-SLSA12-150-M97  | 12 | 15 | 1.5       | 150 | 97  | 27 | -  | 25.2 | 1    |
| 930101212155M42 | A63-SLSA12-155-M42  | 12 | 15 | 1.5       | 155 | 42  | 30 | 57 | 19.4 | 2    |

| Ref.            | Descrição           | ØD | ØC | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|---------------------|----|----|-----------|-----|-----|----|----|------|------|
| 930101212180M67 | A63-SLSA12-180-M67  | 12 | 15 | 1.5       | 180 | 67  | 30 | 57 | 22   | 2    |
| 930101212181M97 | A63-SLSA12-180-M97  | 12 | 15 | 1.5       | 180 | 97  | 57 | -  | 25.2 | 1    |
| 930101212210M97 | A63-SLSA12-210-M97  | 12 | 15 | 1.5       | 210 | 97  | 30 | 57 |      | 2    |
| 930101512095M42 | A63-SLSB12-95-M42   | 12 | 19 | 3.5       | 95  | 42  | 27 | -  | 23.4 | 1    |
| 930101512120M67 | A63-SLSB12-120-M67  | 12 | 19 | 3.5       | 120 | 67  | 27 | -  | 26   | 1    |
| 930101512125M42 | A63-SLSB12-125-M42  | 12 | 19 | 3.5       | 125 | 42  | 57 | -  | 23.4 | 1    |
| 930101512150M67 | A63-SLSB12-150-M67  | 12 | 19 | 3.5       | 150 | 67  | 57 | -  | 26   | 1    |
| 930101512151M97 | A63-SLSB12-150-M97  | 12 | 19 | 3.5       | 150 | 97  | 27 | -  | 29.2 | 1    |
| 930101512155M42 | A63-SLSB12-155-M42  | 12 | 19 | 3.5       | 155 | 42  | 30 | 57 | 23.4 | 2    |
| 930101512180M67 | A63-SLSB12-180-M67  | 12 | 19 | 3.5       | 180 | 67  | 28 | 59 | 26   | 2    |
| 930101512181M97 | A63-SLSB12-180-M97  | 12 | 19 | 3.5       | 180 | 97  | 57 | -  | 29.2 | 1    |
| 930101512182M12 | A63-SLSB12-180-M127 | 12 | 19 | 3.5       | 180 | 127 | 27 | -  | 32.3 | 1    |
| 930101512210M97 | A63-SLSB12-210-M97  | 12 | 19 | 3.5       | 210 | 97  | 87 | -  | 29.2 | 1    |
| 930101512211M12 | A63-SLSB12-210-M127 | 12 | 19 | 3.5       | 210 | 127 | 57 | -  | 32.3 | 1    |
| 930101512212M15 | A63-SLSB12-210-M157 | 12 | 19 | 3.5       | 210 | 157 | 27 | -  | 35.5 | 1    |
| 930101512240M12 | A63-SLSB12-240-M127 | 12 | 19 | 3.5       | 240 | 127 | 87 | -  | 32.3 | 1    |
| 930101512270M15 | A63-SLSB12-270-M157 | 12 | 19 | 3.5       | 240 | 157 | 57 | -  | 35.5 | 1    |
| 930101512271M15 | A63-SLSB12-270-M157 | 12 | 19 | 3.5       | 270 | 157 | 87 | -  | 35.5 | 1    |
| 930101412075M22 | A63-SLRB12-75-M22   | 12 | 26 | 7         | 75  | 22  | 27 | -  | 28.3 | 1    |
| 930101412095M42 | A63-SLRB12-95-M42   | 12 | 26 | 7         | 95  | 42  | 27 | -  | 30.4 | 1    |
| 930101412105M22 | A63-SLRB12-105-M22  | 12 | 26 | 7         | 105 | 22  | 57 | -  | 28.3 | 1    |
| 930101412120M67 | A63-SLRB12-120-M67  | 12 | 26 | 7         | 120 | 67  | 27 | -  | 33   | 1    |
| 930101412125M42 | A63-SLRB12-125-M42  | 12 | 26 | 7         | 125 | 42  | 57 | -  | 30.4 | 1    |
| 930101412135M22 | A63-SLRB12-135-M22  | 12 | 26 | 7         | 135 | 22  | 28 | 59 | 28.3 | 2    |
| 930101412150M67 | A63-SLRB12-150-M67  | 12 | 26 | 7         | 150 | 67  | 57 | -  | 33   | 1    |
| 930101412155M42 | A63-SLRB12-155-M42  | 12 | 26 | 7         | 155 | 42  | 87 | -  | 30.4 | 1    |
| 930101412180M67 | A63-SLRB12-180-M67  | 12 | 26 | 7         | 180 | 67  | 87 | -  | 33   | 1    |
| 930101312075M22 | A63-SLFB12-75-M22   | 12 | 26 | 7         | 75  | 22  | 27 | -  | 28.3 | 1    |
| 930101312095M42 | A63-SLFB12-95-M42   | 12 | 26 | 7         | 95  | 42  | 27 | -  | 30.4 | 1    |
| 930101312105M22 | A63-SLFB12-105-M22  | 12 | 26 | 7         | 105 | 22  | 57 | -  | 28.3 | 1    |
| 930101312120M67 | A63-SLFB12-120-M67  | 12 | 26 | 7         | 120 | 67  | 27 | -  | 33   | 1    |
| 930101312125M42 | A63-SLFB12-125-M42  | 12 | 26 | 7         | 125 | 42  | 57 | -  | 30.4 | 1    |
| 930101312135M22 | A63-SLFB12-135-M22  | 12 | 26 | 7         | 135 | 22  | 28 | 59 | 28.3 | 2    |
| 930101312150M67 | A63-SLFB12-150-M67  | 12 | 26 | 7         | 150 | 67  | 57 | -  | 33   | 1    |
| 930101312155M42 | A63-SLFB12-155-M42  | 12 | 26 | 7         | 155 | 42  | 87 | -  | 30.4 | 1    |
| 930101312180M67 | A63-SLFB12-180-M67  | 12 | 26 | 7         | 180 | 67  | 28 | 59 | 33   | 2    |
| 930101516095M42 | A63-SLSB16-95-M42   | 16 | 24 | 4         | 95  | 42  | 27 | -  | 28.4 | 1    |
| 930101516120M67 | A63-SLSB16-120-M67  | 16 | 24 | 4         | 120 | 67  | 27 | -  | 31   | 1    |
| 930101516125M42 | A63-SLSB16-125-M42  | 16 | 24 | 4         | 125 | 42  | 57 | -  | 28.4 | 1    |
| 930101516150M67 | A63-SLSB16-150-M67  | 16 | 24 | 4         | 150 | 67  | 57 | -  | 31   | 1    |
| 930101516151M97 | A63-SLSB16-150-M97  | 16 | 24 | 4         | 150 | 97  | 27 | -  | 34.2 | 1    |
| 930101516155M42 | A63-SLSB16-155-M42  | 16 | 24 | 4         | 155 | 42  | 87 | -  | 28.4 | 1    |
| 930101516180M67 | A63-SLSB16-180-M67  | 16 | 24 | 4         | 180 | 67  | 28 | 59 | 31   | 2    |

| Ref.            | Descrição           | ØD | ØC | Thickness | L   | M   | L1 | L2 | ØC1  | Fig. |
|-----------------|---------------------|----|----|-----------|-----|-----|----|----|------|------|
| 930101516180M97 | A63-SLSB16-180-M97  | 16 | 24 | 4         | 180 | 97  | 57 | -  | 34.2 | 1    |
| 930101516180M12 | A63-SLSB16-180-M127 | 16 | 24 | 4         | 180 | 127 | 27 | -  | 37.3 | 1    |
| 930101516210M97 | A63-SLSB16-210-M97  | 16 | 24 | 4         | 210 | 97  | 87 | -  | 34.2 | 1    |
| 930101516210M12 | A63-SLSB16-210-M127 | 16 | 24 | 4         | 210 | 127 | 57 | -  | 37.3 | 1    |
| 930101516210M15 | A63-SLSB16-210-M157 | 16 | 24 | 4         | 210 | 157 | 27 | -  | 40.5 | 1    |
| 930101516240M12 | A63-SLSB16-240-M127 | 16 | 24 | 4         | 240 | 127 | 87 | -  | 37.3 | 1    |
| 930101516240M15 | A63-SLSB16-240-M157 | 16 | 24 | 4         | 240 | 157 | 57 | -  | 40.5 | 1    |
| 930101516270M15 | A63-SLSB16-270-M157 | 16 | 24 | 4         | 270 | 157 | 87 | -  | 40.5 | 1    |
| 930101416075M22 | A63-SLRB16-75-M22   | 16 | 32 | 8         | 75  | 22  | 27 | -  | 34.3 | 1    |
| 930101416095M42 | A63-SLRB16-95-M42   | 16 | 32 | 8         | 95  | 42  | 27 | -  | 36.4 | 1    |
| 930101416105M22 | A63-SLRB16-105-M22  | 16 | 32 | 8         | 105 | 22  | 57 | -  | 34.3 | 1    |
| 930101416120M67 | A63-SLRB16-120-M67  | 16 | 32 | 8         | 120 | 67  | 27 | -  | 39   | 1    |
| 930101416125M42 | A63-SLRB16-125-M42  | 16 | 32 | 8         | 125 | 42  | 57 | -  | 36.4 | 1    |
| 930101416135M22 | A63-SLRB16-135-M22  | 16 | 32 | 8         | 135 | 22  | 87 | -  | 34.3 | 1    |
| 930101416150M67 | A63-SLRB16-150-M67  | 16 | 32 | 8         | 150 | 67  | 57 | -  | 39   | 1    |
| 930101416155M42 | A63-SLRB16-155-M42  | 16 | 32 | 8         | 155 | 42  | 87 | -  | 36.4 | 1    |
| 930101416180M67 | A63-SLRB16-180-M67  | 16 | 32 | 8         | 180 | 67  | 87 | -  | 39   | 1    |
| 930101316075M22 | A63-SLFB16-75-M22   | 16 | 32 | 8         | 75  | 22  | 27 | -  | 34.3 | 1    |
| 930101316095M42 | A63-SLFB16-95-M42   | 16 | 32 | 8         | 95  | 42  | 27 | -  | 36.4 | 1    |
| 930101316105M22 | A63-SLFB16-105-M22  | 16 | 32 | 8         | 105 | 22  | 57 | -  | 34.3 | 1    |
| 930101316120M67 | A63-SLFB16-120-M67  | 16 | 32 | 8         | 120 | 67  | 27 | -  | 39   | 1    |
| 930101316125M42 | A63-SLFB16-125-M42  | 16 | 32 | 8         | 125 | 42  | 57 | -  | 36.4 | 1    |
| 930101316135M22 | A63-SLFB16-135-M22  | 16 | 32 | 8         | 135 | 22  | 87 | -  | 34.3 | 1    |
| 930101316150M67 | A63-SLFB16-150-M67  | 16 | 32 | 8         | 150 | 67  | 57 | -  | 39   | 1    |
| 930101316155M42 | A63-SLFB16-155-M42  | 16 | 32 | 8         | 155 | 42  | 87 | -  | 36.4 | 1    |
| 930101316180M67 | A63-SLFB16-180-M67  | 16 | 32 | 8         | 180 | 67  | 28 | 59 | 39   | 2    |
| 930101520095M42 | A63-SLSB20-95-M42   | 20 | 29 | 4.5       | 95  | 42  | 27 | -  | 33.4 | 1    |
| 930101520120M67 | A63-SLSB20-120-M67  | 20 | 29 | 4.5       | 120 | 67  | 27 | -  | 36   | 1    |
| 930101520125M42 | A63-SLSB20-125-M42  | 20 | 29 | 4.5       | 125 | 42  | 57 | -  | 33.4 | 1    |
| 930101520150M67 | A63-SLSB20-150-M67  | 20 | 29 | 4.5       | 150 | 67  | 57 | -  | 36   | 1    |
| 930101520151M97 | A63-SLSB20-150-M97  | 20 | 29 | 4.5       | 150 | 97  | 27 | -  | 39.2 | 1    |
| 930101520155M42 | A63-SLSB20-155-M42  | 20 | 29 | 4.5       | 155 | 42  | 87 | -  | 33.4 | 1    |
| 930101520180M67 | A63-SLSB20-180-M67  | 20 | 29 | 4.5       | 180 | 67  | 87 | -  | 36   | 1    |
| 930101520180M97 | A63-SLSB20-180-M97  | 20 | 29 | 4.5       | 180 | 97  | 57 | -  | 39.2 | 1    |
| 930101520180M12 | A63-SLSB20-180-M127 | 20 | 29 | 4.5       | 180 | 127 | 27 | -  | 42.3 | 1    |
| 930101520210M97 | A63-SLSB20-210-M97  | 20 | 29 | 4.5       | 210 | 97  | 87 | -  | 39.2 | 1    |
| 930101520211M12 | A63-SLSB20-210-M127 | 20 | 29 | 4.5       | 210 | 127 | 57 | -  | 42.3 | 1    |
| 930101520212M15 | A63-SLSB20-210-M157 | 20 | 29 | 4.5       | 210 | 157 | 27 | -  | 45.5 | 1    |
| 930101520240M12 | A63-SLSB20-240-M127 | 20 | 29 | 4.5       | 240 | 127 | 87 | -  | 42.3 | 1    |
| 930101520241M15 | A63-SLSB20-240-M157 | 20 | 29 | 4.5       | 240 | 157 | 57 | -  | 45.5 | 1    |
| 930101520270M15 | A63-SLSB20-270-M157 | 20 | 29 | 4.5       | 270 | 157 | 87 | -  | 45.5 | 1    |
| 930101420095M42 | A63-SLRB20-95-M42   | 20 | 38 | 9         | 95  | 42  | 27 | -  | 42.4 | 1    |
| 930101420120M67 | A63-SLRB20-120-M67  | 20 | 38 | 9         | 120 | 67  | 27 | -  | 45   | 1    |



| Ref.            | Descrição          | ØD | ØC | Thickness | L   | M  | L1 | L2 | ØC1  | Fig. |
|-----------------|--------------------|----|----|-----------|-----|----|----|----|------|------|
| 930101420125M42 | A63-SLRB20-125-M42 | 20 | 38 | 9         | 125 | 42 | 57 | -  | 42.4 | 1    |
| 930101420150M67 | A63-SLRB20-150-M67 | 20 | 38 | 9         | 150 | 67 | 57 | -  | 45   | 1    |
| 930101420155M42 | A63-SLRB20-155-M42 | 20 | 38 | 9         | 155 | 42 | 87 | -  | 42.4 | 1    |
| 930101420180M67 | A63-SLRB20-180-M67 | 20 | 38 | 9         | 180 | 67 | 87 | -  | 45   | 1    |
| 930101320095M42 | A63-SLFB20-95-M42  | 20 | 38 | 9         | 95  | 42 | 27 | -  | 42.4 | 1    |
| 930101320120M67 | A63-SLFB20-120-M67 | 20 | 38 | 9         | 120 | 67 | 27 | -  | 45   | 1    |
| 930101320125M42 | A63-SLFB20-125-M42 | 20 | 38 | 9         | 125 | 42 | 57 | -  | 42.4 | 1    |
| 930101320150M67 | A63-SLFB20-150-M67 | 20 | 38 | 9         | 150 | 67 | 57 | -  | 45   | 1    |
| 930101320155M42 | A63-SLFB20-155-M42 | 20 | 38 | 9         | 155 | 42 | 87 | -  | 42.4 | 1    |
| 930101320180M67 | A63-SLFB20-180-M67 | 20 | 38 | 9         | 180 | 67 | 87 | -  | 45   | 1    |
| 930101425095M42 | A63-SLRB25-95-M42  | 25 | 45 | 10        | 95  | 42 | 27 | -  | 49.4 | 1    |
| 930101425125M42 | A63-SLRB25-125-M42 | 25 | 45 | 10        | 125 | 42 | 57 | -  | 49.4 | 1    |
| 930101425155M42 | A63-SLRB25-155-M42 | 25 | 45 | 10        | 155 | 42 | 87 | -  | 49.4 | 1    |
| 930101325095M42 | A63-SLFB25-95-M42  | 25 | 45 | 10        | 95  | 42 | 27 | -  | 49.4 | 1    |
| 930101325125M42 | A63-SLFB25-125-M42 | 25 | 45 | 10        | 125 | 42 | 57 | -  | 49.4 | 1    |
| 930101325155M42 | A63-SLFB25-155-M42 | 25 | 45 | 10        | 155 | 42 | 87 | -  | 49.4 | 1    |