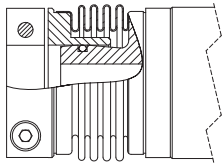
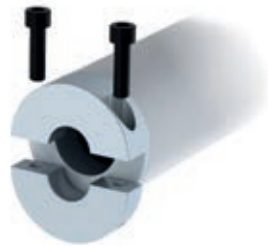


Stahl Verbindungswellen SWS-BB / SWS-BK mit ein- oder beidseitigem Metallbalg

Steel line shafts SWS-BB / SWS-BK with single or double ended metal bellows



Inwendig abgestütztes
Zwischenrohr
Internal stabilized tube



Einfachste Montage
mit Halbschalenklemmung
Easy to mount with
divided clamping hub

Merkmale

- Stahlausführung
- Niedriges Massenträgheitsmoment
- Spielfrei
- Hohe Torsionssteife

SWS-BB

- Ausgestattet mit zwei Metallbälgen
- Grosser Ausgleich von Fluchtungsfehlern

SWS-BK

- Preiswerte Ausführung mit nur einem Metallbalg
- Erhöhte Torsionssteife

Werkstoff der Naben+Rohr: Stahl
Werkstoff des Metallbalges: Edelstahl
Verbindung Balg-Nabe: geschweißt

Bestellbezeichnung / Beispiel:

SWS-BB-40/60 - 16H7 - 20H7 - 3200mm
Typ+Größe Bohrung D1 Bohrung D2 Gesamtlänge L

Characteristics

- Steel execution
- Low mass inertia torque
- Backlash-free
- High torsional stiffness

SWS-BB

- Equipped with two metal bellow
- High compensation of alignment mistakes

SWS-BK

- Low-priced execution with only one metal bellow
- Increased torsional stiffness

Material of hubs+tube: steel
Material of bellows: stainless steel
Connection of bellows to hub:welded

Order description / example:

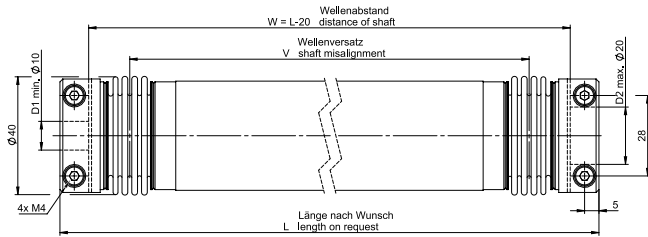
SWS-BB-40/60 - 16H7 - 20H7 - 3200mm
Type+Size Bore D1 Bore D2 Total length L

Standard Optionen / Standardized options

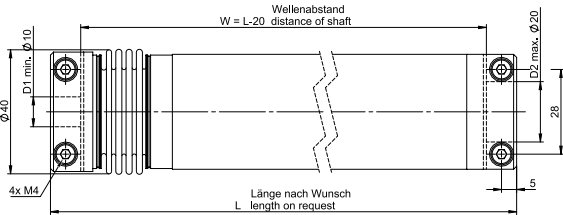


Gewünschte Optionen müssen im Bestelltext angegeben werden (Legende Symbole S. 7).
Desired options have to be mentioned in the order text (key symbols p. 7).

SWS-BB-15

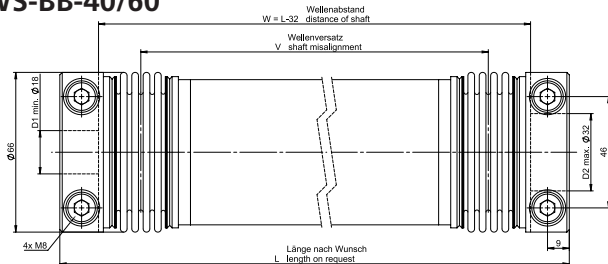


SWS-BK-15

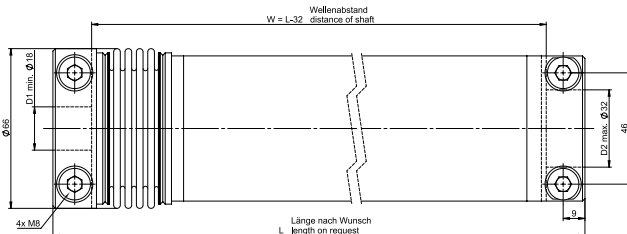


| | SWS-BB-15 | SWS-BK-15 |
|--|--------------------------|----------------------|
| Nennmoment Nominal torque | 15 [Nm] | 15 [Nm] |
| Max. Länge Max. length | 4000 [mm] | 4000 [mm] |
| Max. axialer Wellenversatz Max. axial shaft misalignment | 2.0 [mm] | 1.0 [mm] |
| Max. lateraler Wellenversatz V Max. lateral shaft misalignment V | $L \times \tan 1.0$ [mm] | 0.07 [mm] |
| Torsionssteife (Rohr/m) Torsional stiffness (pipe/m) | 8320 [Nm/rad] | 8320 [Nm/rad] |
| Torsionssteife der Kupplungen Torsional stiffness of the couplings | 5200 [Nm/rad] | 10400 [Nm/rad] |
| Masse (Rohr/m) / Masse der Kupplungen Mass (pipe/m) / Mass of the couplings | 2.30 / 0.65 [ca. kg] | 2.30 / 0.55 [ca. kg] |
| Anzugsmoment der Schrauben Tightening torque of screws | 5 M_A [Nm] | 5 M_A [Nm] |

SWS-BB-40/60

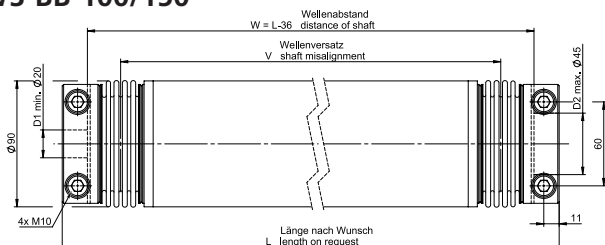


SWS-BK-40/60

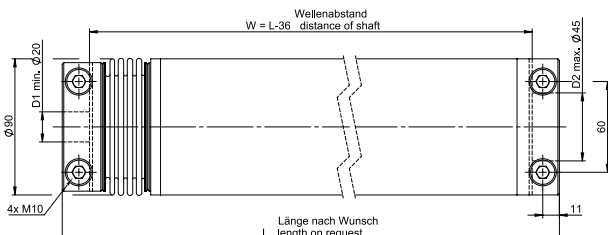


| | SWS-BB-40/60 | SWS-BK-40/60 |
|--|--------------------------|----------------------|
| Nennmoment Nominal torque | 60 [Nm] | 60 [Nm] |
| Max. Länge Max. length | 4000 [mm] | 4000 [mm] |
| Max. axialer Wellenversatz Max. axial shaft misalignment | 2.5 [mm] | 1.25 [mm] |
| Max. lateraler Wellenversatz V Max. lateral shaft misalignment V | $L \times \tan 0.8$ [mm] | 0.1 [mm] |
| Torsionssteife (Rohr/m) Torsional stiffness (pipe/m) | 35000 [Nm/rad] | 35000 [Nm/rad] |
| Torsionssteife der Kupplungen Torsional stiffness of the couplings | 21400 [Nm/rad] | 42800 [Nm/rad] |
| Masse (Rohr/m) / Masse der Kupplungen Mass (pipe/m) / Mass of the couplings | 4.20 / 1.90 [ca. kg] | 4.20 / 1.50 [ca. kg] |
| Anzugsmoment der Schrauben Tightening torque of screws | 42 M_A [Nm] | 42 M_A [Nm] |

SWS-BB-100/150



SWS-BK-100/150



| | SWS-BB-100/150 | SWS-BK-100/150 |
|--|--------------------------|----------------------|
| Nennmoment Nominal torque | 150 [Nm] | 150 [Nm] |
| Max. Länge Max. length | 4000 [mm] | 4000 [mm] |
| Max. axialer Wellenversatz Max. axial shaft misalignment | 3.5 [mm] | 1.75 [mm] |
| Max. lateraler Wellenversatz V Max. lateral shaft misalignment V | $L \times \tan 0.7$ [mm] | 0.1 [mm] |
| Torsionssteife (Rohr/m) Torsional stiffness (pipe/m) | 160200 [Nm/rad] | 160200 [Nm/rad] |
| Torsionssteife der Kupplungen Torsional stiffness of the couplings | 52300 [Nm/rad] | 104600 [Nm/rad] |
| Masse (Rohr/m) / Masse der Kupplungen Mass (pipe/m) / Mass of the couplings | 8.50 / 3.75 [ca. kg] | 8.50 / 3.10 [ca. kg] |
| Anzugsmoment der Schrauben Tightening torque of screws | 85 M_A [Nm] | 85 M_A [Nm] |