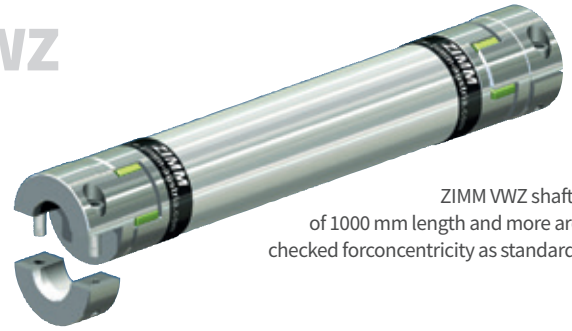
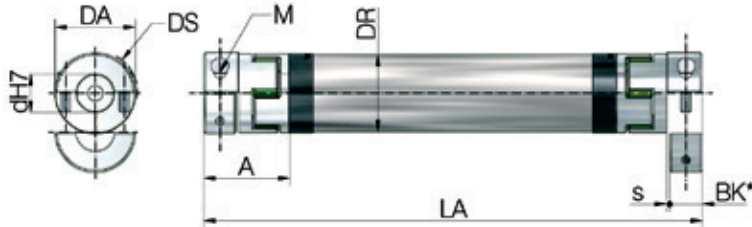


Connecting shaft VWZ

Split shells



ZIMM VWZ shafts of 1000 mm length and more are checked for concentricity as standard!

Standard bores „d“ mm

| | |
|----------|--|
| VWZ-30: | 8, 9, 10, 11, 12, 14, 15, 16 |
| VWZ-40: | 9, 10, 11, 12, 14, 15, 16, 18,19, 20, 22, 24 |
| VWZ-60: | 10, 11, 12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32 |
| VWZ-60V: | 12, 15, 16, 18, 20, 22, 24, 25, 28, 30, 32, 35 |
| VWZ-80: | 16, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45 |
| VWZ-100: | 25, 28, 32, 38, 40, 42, 45, 48, 50, 55 |

Other diameters on request

Shafts with split shells

| | |
|--------------------|---|
| Material: | High-tensile aluminium (stainless steel on request) |
| Insertion: | Split shells permit easy radial insertion |
| Moment of inertia: | Low |
| Drive key: | None. Stepless adjustment facility thanks to the clamp hub. Drive keyway available on request |
| Other features: | High concentricity and clamping forces |

Elastomer star

| | |
|--------------------|--|
| Features: | Permanently free of play, dampens vibration |
| Shore hardness: | 64D |
| Colour: | ZIMM-green |
| Temperature range: | 0°C to +70°C reduced to -20°C, to +100°C (Mx0,55) |

Dimensions & technical data

| Code | Dimensions | | | | | | | Clamping screw | | Moment of inertia | | Torsional stiffness | | Weight | |
|---------|------------|------|-----|-----|-----|----|--------|----------------|-------------------|-----------------------------------|-----------------------------------|---------------------|------------|----------------|--------|
| | DA | DS | DR | BK* | s | A | LA min | M | Tightening torque | per coupling | tube/m | per star | per tube/m | both couplings | tube/m |
| | mm | mm | mm | mm | mm | mm | mm | 10,9 | Nm | 10 ⁻³ kgm ² | 10 ⁻³ kgm ² | Nm/rad | Nm/rad | kg | kg |
| VWZ-30 | 32 | 32 | 30 | 15 | 1,5 | 34 | 99 | M4 | 4 | 0,01 | 0,11 | 1375 | 1104 | 0,14 | 0,58 |
| VWZ-40 | 42 | 44,5 | 40 | 17 | 1,5 | 46 | 133 | M5 | 8 | 0,08 | 0,2 | 3700 | 2332 | 0,36 | 0,76 |
| VWZ-60 | 56 | 57 | 60 | 30 | 2 | 63 | 177 | M6 | 15 | 0,24 | 0,8 | 9917 | 8292 | 0,94 | 0,97 |
| VWZ-60V | 67 | 68 | 60 | 35 | 2 | 73 | 205 | M8 | 35 | 0,46 | 0,8 | 24417 | 8292 | 1,42 | 0,97 |
| VWZ-80 | 82 | 85 | 80 | 40 | 2 | 84 | 249 | M10 | 70 | 2,4 | 3 | 33667 | 29102 | 2,98 | 2 |
| VWZ-100 | 102 | 105 | 100 | 50 | 2 | 97 | 283 | M12 | 120 | 6 | 5,8 | 67667 | 58178 | 4,62 | 2,47 |

*BK = shaft extension clamping length

Drehmomente

| Size | Elastomer star | | Maxium transmittable torque by clamp hub depending on the bore diameter | | | | | | | | | | | | | | | | | Coupling type | | | |
|---------|-----------------|----------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|--------|-----------|-----------|
| | Rated torque Nm | Max. torque Nm | Ø9 Nm | Ø11 Nm | Ø14 Nm | Ø16 Nm | Ø19 Nm | Ø20 Nm | Ø22 Nm | Ø24 Nm | Ø25 Nm | Ø28 Nm | Ø30 Nm | Ø32 Nm | Ø38 Nm | Ø40 Nm | Ø42 Nm | Ø45 Nm | Ø48 Nm | | Ø55 Nm | | |
| VWZ-30 | 16 | 32 | 21 | 26 | 33 | 37 | | | | | | | | | | | | | | | | KUZ-KK-16 | |
| VWZ-40 | 21 | 42 | - | 41 | 52 | 60 | 70 | 74 | 81 | 89 | - | - | - | - | - | - | - | - | - | - | - | - | KUZ-KK-24 |
| VWZ-60 | 75 | 150 | - | 60 | 76 | 87 | 104 | 109 | 120 | 131 | 136 | 153 | 164 | 175 | - | - | - | - | - | - | - | - | KUZ-KK-32 |
| VWZ-60V | 200 | 400 | - | - | - | 120 | - | 188 | 206 | - | 235 | - | - | 301 | - | - | - | - | - | - | - | - | KUZ-KK-35 |
| VWZ-80 | 405 | 810 | - | - | - | 325 | 386 | 406 | 447 | 488 | 508 | 568 | 610 | 650 | 772 | - | 854 | 915 | - | - | - | - | KUZ-KK-45 |
| VWZ-100 | 660 | 1350 | - | - | - | - | - | - | - | - | 570 | 638 | - | 730 | 866 | 914 | 960 | 1029 | 1097 | 1250 | | | KUZ-KK-60 |



Concentricity test

ZIMM VWZ shafts of 1000 mm length and more are checked for concentricity as standard!

Ordering example:

VWZ-60-LA 1800-20/25

Size _____
 Length _____
 Bores of couplings _____

n=1500 min⁻¹ (specify the speed)