FEATURES

- high torsional stiffness
- dual flex design
- for combination of hub types

MATERIAL

- spacer plate: high strength steel

DESIGN
For use when combining various hub designs with two disc packs and spacer plate.

From series 25,000 assembly screws/superbolts must be used.


## MODEL MLPZ|SIZE 300-2600

| SIZE |  | 300 | 500 | 700 | 1100 | 1600 | 2600 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated torque (Nm) | $\mathrm{T}_{\text {KN }}$ | 350 | 500 | 700 | 1,100 | 1,600 | 2,600 |
| Maximum torque (Nm) | $\mathrm{T}_{\text {Kmax }}$ | 700 | 1,000 | 1,400 | 2,200 | 3,200 | 5,200 |
| Distance between hubs ( mm ) | G | 23 | 23 | 32 | 34 | 38 | 38 |
| Outside diameter (mm) | $\varnothing$ AD | 99 | 109 | 128 | 133 | 150 | 168 |
| Assembly screw (ISO 4017) <br> Tensioning nut (DIN 4032) | E | M8 | M8 | M10 | M10 | M12 | M12 |
| Tightening torque (Nm) |  | 35 | 40 | 65 | 95 | 150 | 165 |
| Moment of inertia $\quad\left(10^{-3} \mathrm{kgm}^{2}\right)$ | $\mathrm{J}_{\text {ges }}$. | 0.6 | 1 | 2.5 | 3 | 5 | 9 |
| Weight (kg) |  | 0.53 | 0.66 | 1.1 | 1.4 | 1.8 | 2.3 |
| Axial $\pm \quad$ (mm) | max. values | 1 | 1 | 1.5 | 1.5 | 2 | 2 |
| Lateral $\pm$ (mm) |  | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 |
| Angular $\pm$ (degree) |  | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| Max. speed (min. ${ }^{-1}$ ) |  | 5,800 | 5,200 | 4,500 | 4,300 | 3,850 | 3,500 |
| Max. speed (balanced)*** (min. ${ }^{-1}$ ) |  | 13,500 | 12,300 | 10,500 | 10,000 | 8,950 | 8,000 |

*** higher speeds on request

| ORDERING EXAMPLE | MLPZ | 500 |  |
| :--- | :---: | :---: | :---: |
| Model |  |  | Special designation only (e.g. balancing, materials, etc.). Contact R+W for more information. |
| Size |  |  |  |
| For custom features place an $X X$ at the end of the part number and describe the special requirements (e.g. LPZ / $500 / \mathrm{XX}$ - balanced to 10,000 rpm) |  |  |  |

FEATURES

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MATERIAL
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DESIGN
For use when combining various hub designs with two disc packs and spacer plate.

From series 25,000 assembly screws/superbolts must be used.


## MODELMLPZ|SIZE 4000-25000

| SIZE |  | 4000 | 6000 | 8000 | 15000 | 25000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated torque (Nm) | $\mathrm{T}_{\mathrm{KN}}$ | 4,000 | 6,000 | 8,000 | 15,000 | 25,000 |
| Maximum torque (Nm) | $\mathrm{T}_{\text {Kmax }}$ | 8,000 | 12,000 | 16,000 | 30,000 | 50,000 |
| Distance between hubs (mm) | G | 44 | 52 | 65 | 57 | 105 |
| Outside diameter (mm) | $\emptyset A D$ | 198 | 212 | 238 | 272 | 300 |
| Assembly screw (ISO 4017) <br> Tensioning nut (DIN 4032) | E | M16 | M16 | M20 | M20 | M24 |
| Tightening torque (Nm) |  | 360 | 400 | 755 | 770 | 47 |
| Moment of inertia $\quad\left(10^{-3} \mathrm{kgm}^{2}\right)$ | $\mathrm{J}_{\text {ges. }}$ | 18 | 28 | 57 | 93 | 271 |
| Weight (kg) |  | 3.7 | 5 | 7.8 | 9.7 | 24.2 |
| Axial $\pm \quad$ (mm) | max. values | 2.5 | 2.5 | 2.5 | 3 | 4 |
| Lateral $\pm \quad$ (mm) |  | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 |
| Angular $\pm$ (degree) |  | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| Max. speed (min. ${ }^{-1}$ ) |  | 2,900 | 2,700 | 2,400 | 2,100 | 1,900 |
| Max. speed (balanced)*** (min. ${ }^{-1}$ ) |  | 6,700 | 6,300 | 5,600 | 4,900 | 4,500 |

*** higher speeds on request

| ORDERING EXAMPLE | MLPZ | 6000 | XX |
| :---: | :---: | :---: | :---: |
| Model | - |  | Special designation only (e.g. balancing, materials, etc.). Contact $\mathrm{R}+\mathrm{W}$ for more information. |
| Size |  | - |  |
| For custom features place an XX at the end of the part number and describe the special requirements (e.g. LPZ / 6000 / XX - balanced to 5,000 rpm) |  |  |  |

