GENERAL CHECKLIST

ZIMMER group

1

Customer number | Phone number

Company | Fax number

Contact
Mr. ☐ Ms. ☐ | E-mail

Article

Sales database

Processed by | Desired price

Desired delivery date | Other

Amount | Date

Possible / desired damping

☐ Hydraulic (100% damping) ▶ Industrial shock absorbers (PowerStop) ☐ Viscoelastic ▶ Profile dampers (BasicStop)

Installation conditions

SA = shock absorber

Application

Replacing SA from the competition: ☐ Yes Manufacturer | Type | Thread

Max. installation space: Length/height mm | Diameter/width mm | Depth mm

Environment: Temperature min. °C max. °C | Pressure bar

☐ Chips ☐ Dirt ☐ Oil/grease ☐ Cooling lubricant Other

Fixed stop: Fixed stop through shock absorber ☐ Yes ☐ No

Operating conditions

Load case | Number of parallel SA

Operation mode: ☐ Duration ▶ Cycle time Strokes/h | Number of cycles Strokes

☐ Emergency stop ▶ Number of cycles Strokes

Movement: ☐ Translational ▶ Drive force N | Angle of impact °

☐ Rotational ▶ Drive torque Nm

Swivel radius SA mm | Swivel radius mass mm

Speed: ☐ Translational ▶ min. m/s | max. m/s

☐ Rotational ▶ min. 1/s | max. 1/s

Mass / moment of inertia: ☐ Translational ▶ min. kg | max. kg

☐ Rotational ▶ min. kg m² | max. kg m²

Other (depending on the load case): Height mm | Coefficient of friction | Pitch angle °

Industrial shock absorbers accessories

Head: ☐ No head ☐ Mounted with steel head ☐ Mounted with plastic head ☐ Mounted with bellow

Accessories: ☐ Steel locknut ☐ Air barrier adapter ☐ Stop sleeve ☐ Cooling nut

☐ Stainless steel locknut ☐ Side load adapter ☐ Clamping flange

Special industrial shock absorbers

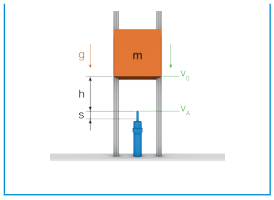
☐ Adjustability Approvals (such as RoHS, LABS, EG, CE, explosion protection, cleanroom)

Other (oil, curve, stroke, size, thread type, wiper)

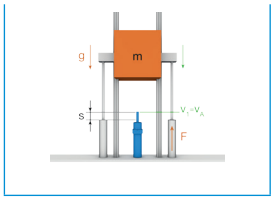
LOAD CASES

Translational

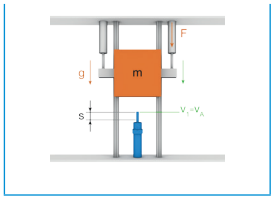
L1. Free-falling mass



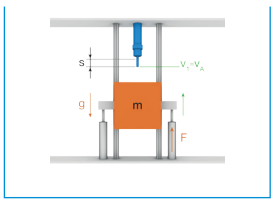
L2. Downward moving mass with opposing drive force



L3. Downward moving mass with drive force

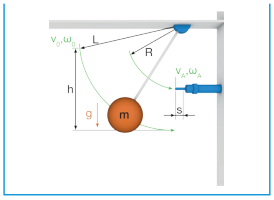


L4. Upward moving mass with drive force

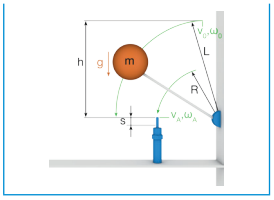


Rotational

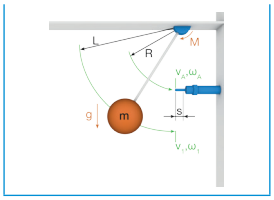
R1. Freely oscillating mass
a) at horizontal impact



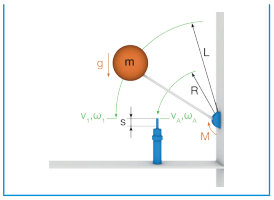
R1. Freely oscillating mass
b) at vertical impact



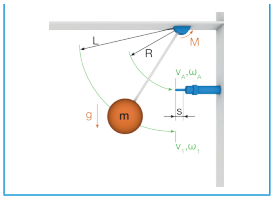
R2. Downward pivoting mass with opposing drive torque
a) at horizontal impact



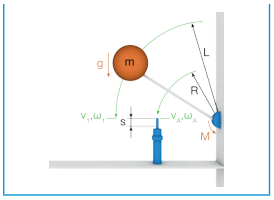
R2. Downward pivoting mass with opposing drive torque
b) at vertical impact



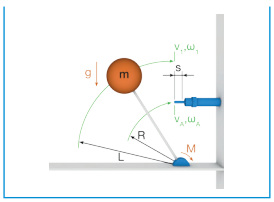
R3. Downward pivoting mass with drive torque
a) at horizontal impact



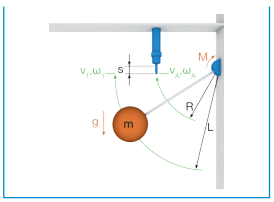
R3. Downward pivoting mass with drive torque
b) at vertical impact



R4. Upward pivoting mass with drive torque
a) at horizontal impact

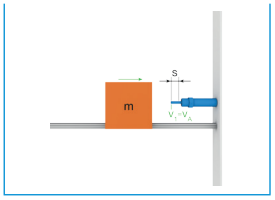


R4. Upward pivoting mass with drive torque
b) at vertical impact

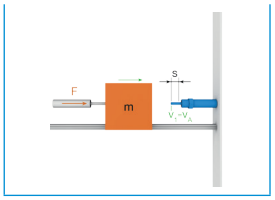


Translational

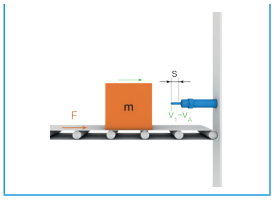
L5. Horizontally moving mass without drive force



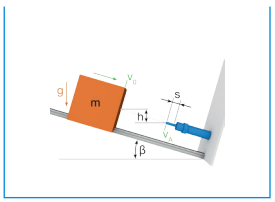
L6. Horizontally moving mass with form-fit drive force



L7. Horizontally moving mass with frictional drive force

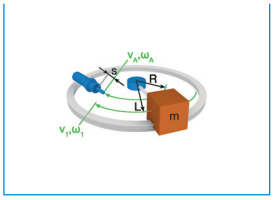


L8. Falling mass on an inclined plane

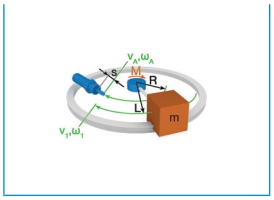


Rotational

R5. Horizontally pivoting mass without drive torque



R6. Horizontally pivoting mass with form-fit drive torque



R7. Horizontally pivoting mass with frictional drive torque