



CLS-3252 - Linear Stage with EDU

Linear stages of the CLS-Series have been especially designed for high availability applications in science and industry. They are equipped with SmarActs Exchangeable Drive-Units which guarantees an easy access to the stages core component, the piezo-drive which makes servicing an easy task. The Drive-Unit can be exchanged without the need to remove the complete device from the surrounding positioning setup. They are the perfect option whenever modularity and easy configuration are the top level requirements.

From a performance point of view the CLS-3252 stages are on par with their SLS-3252 counterparts. [Learn more ...](#)

The middle size stage of the CLS-32 Series offer a travel range of 31 mm while maintainig a footprint of only 32 x 52 mm² and is able to handle payloads of up to 30 N.

| | Mechanical |
|---|--|
| Travel [mm] | 31 |
| Blocking Force [N] | ≥ 3.5 |
| Max. Normal Force [N] | 30 |
| Max. Lift Force [N] | > 1.5 |
| Dimensions [mm] | 32 x 52 x 11 |
| Weight [g] | 54 |
| | Open-loop |
| Velocity [mm/s] | > 20 |
| Resolution [nm] | < 1 |
| | Closed-Loop |
| Closed-Loop Resolution MCS2 [nm] | 1 (S), 4 (L) |
| Closed-Loop Repeatability, Full Stroke MCS2 [nm] | ±50, ±100 |
| Closed-Loop Resolution (H)CU [nm] | 4 (L) |
| Closed-Loop Repeatability, Full Stroke (H)CU [nm] | ± 1000 (L) |
| | Options |
| Material Options | Aluminum base as standard; Titanium base (-TI) |
| Vacuum Options | HV (1E-6 mbar); UHV / UHVT (1E-11 mbar) |