

**CATAS** ist das führende italienische und europäische Institut zur Zertifizierung für die Holz- und Möbelindustrie. ZEITRAUM Stühle werden von CATAS im Hinblick auf Sicherheit, Festigkeit und Haltbarkeit gemäß EN 1728 geprüft. Diese Tests werden nach nationalen (DIN), europäischen (EN) und internationalen (ISO) technischen Standards durchgeführt.

**CATAS** is the leading Italian and European certification institute for the wood and furniture industry. ZEITRAUM chairs are tested by CATAS for the safety, strength and durability according to EN 1728. These tests are carried out according to national (DIN), European (EN) and international (ISO) technical standards.

Test	Reference	Loading <sup>a</sup>	Level L1 – general use	Level L2 – extreme use
<b>1. Seat and back</b> static load test	EN 1728:2012, 6.4	Seat: force, N Back: force, N    10 times	1.600 560 (min. force, 410)	2.000 700 (min. force, 410)
<b>2. Seat front edge</b> static load test	EN 1728:2012, 6.5	Force, N 10 times	1.300	1.600
<b>3. Vertical static</b> load on back <sup>b</sup>	EN 1728:2012, 6.6	Force, N Seat load, N    10 times	600 1.300	900 1.800
<b>4. Foot rest and leg rest</b> static load test	EN 1728:2012, 6.8, 6.9	Force, N 10 times	1.300	1.600
<b>5. Arm sideways</b> static load test	EN 1728:2012, 6.10	Force, N 10 times	400	900
<b>6. Arm downwards</b> static load test	EN 1728:2012, 6.11	Force, N 5 times	750	900
<b>7. Vertical upwards static</b> load on arm rests	EN 1728:2012, 6.13.1, 6.13.2	Seat load, N Lift 10 times during ≥ 10 s	250 or lift stack with max. 8 chairs of max. 25 kg	1.200
<b>8. Seat and back</b> durability test	EN 1728:2012, 6.17	Cycles Seat: 1000 N, Back <sup>c</sup> : 300 N	100.000	200.000
<b>9. Seat front edge</b> durability test	EN 1728:2012, 6.18	Cycles Force: 800 N	50.000	100.000
<b>10. Arm</b> durability test	EN 1728:2012, 6.20	Cycles Force: 400 N	30.000	60.000
<b>11. Foot rest</b> durability test	EN 1728:2012, 6.21	Cycles Force: 1.000 N	50.000	100.000
<b>12. Leg forward</b> static load test	EN 1728:2012, 6.15	Force, N Seat load, N    10 times	500 1.000	620 1.800
<b>13. Leg sideways</b> static load test	EN 1728:2012, 6.16	Force, N Seat load, N    10 times	400 1.000	760 1.800
<b>14. Seat impact test</b>	EN 1728:2012, 6.24	Drop height, mm 10 times	240	300
<b>15. Back impact test</b>	EN 1728:2012, 6.25	Height of fall, mm/ <sup>o</sup> 10 times	210/38	330/48
<b>16. Arm impact test</b>	EN 1728:2012, 6.26	Height of fall, mm/ <sup>o</sup> 10 times	210/38	330/48
<b>17. Drop test</b> (multiple seating)	EN 1728:2012, 6.27.1	Drop height, mm 2 × 5 times	not applicable	450
<b>18. Auxiliary writing</b> surface static load test	EN 1728:2012, 6.14	Force, N 10 times	300	300
<b>19. Auxiliary writing</b> surface durability test	EN 1728:2012, 6.22	Cycles Force: 150 N	10.000	20.000
<sup>a</sup> Seat load on parts not undergoing test: 750 N. <sup>b</sup> The test is only applicable for chairs without head / neck rest and for chairs with a height of the backrest < 1.000 mm above ground. <sup>c</sup> No minimum force defined.			<i>Areas in which seating is usually intended for mixed use (short-time and for a period of several hours, light to heavy load)</i>	<i>Areas in which seating is occasionally or repeatedly subject to extremely high loads due to their specific types of use or due to improper use.</i>

**Level 1 – general use:** Beispiele für die Endnutzung: alle Arten von Anwendungen in Bürogebäuden, Ausstellungsräumen, öffentlichen Hallen, Veranstaltungsräumen, Cafés, Restaurants, Kantinen, Banken, Bars  
**Level 2 – extreme use:** Beispiele für die Endnutzung: Nachtclubs, Polizeistationen, Transportterminals, Sportumkleideräume, Gefängnisse, Kasernen (nicht kontrollierte Bereiche)

**Level 1 – general use:** *Examples of end-use: all kind of applications in office buildings, showrooms, public halls, function rooms, cafés, restaurants, canteens, banks, bars*  
**Level 2 – extreme use:** *Examples of end-use: night-clubs, police stations, transport terminals, sport changing rooms, prisons, barracks (non-controlled areas)*