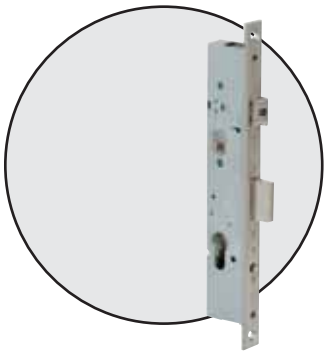

MECHANICAL LOCKS

Example for a Multitop PRO lock, series 49225

1	2	3	4	5	6	7	8
3	X	9	0	0	G	6-7	0

1 Category of use

Grade 1: For use by people with a high incentive to exercise care and with a small chance of misuse, e.g. residential doors

Grade 2: For use by people with some incentive to exercise care but where there is some chance of misuse, e.g. office doors

Grade 3: For use by the public where there is little incentive to exercise care and where there is a high chance ofmisuse, e.g. doors in public buildings

2 Durability

Grade A:	50 000 test cycles	no force on latch bolt, or for locks without latchbolt
Grade B:	100 000 test cycles	no force on latch bolt, or for locks without latchbolt
Grade C:	200 000 test cycles	no force on latch bolt, or for locks without latchbolt
Grade L:	100 000 test cycles	25 N load on latchbolt
Grade M:	200 000 test cycles	25 N load on latchbolt
Grade R:	100 000 test cycles	50 N load on latchbolt
Grade S:	200 000 test cycles	50 N load on latchbolt
Grade W:	100 000 test cycles	120 N load on latchbolt
Grade X:	200 000 test cycles	120 N load on latchbolt

3 Door mass and closing force

Grade 0:	Locks without a latchbolt	
Grade 1:	Up to 100 kg door mass	50 N maximum closing force
Grade 2:	Up to 200 kg door mass	50 N maximum closing force
Grade 3:	Above 200 kg door mass or as specified by the manufacturer	50 N maximum closing force
Grade 4:	Up to 100 kg door mass	25 N maximum closing force
Grade 5:	Up to 200 kg door mass	25 N maximum closing force
Grade 6:	Above 200 kg door mass or as specified by the manufacturer	25 N maximum closing force
Grade 7:	Up to 100 kg door mass	15 N maximum closing force
Grade 8:	Up to 200 kg door mass	15 N maximum closing force
Grade 9:	Above 200 kg door mass or as specified by the manufacturer	15 N maximum closing force

4 Suitability for use on fire resisting and/or smoke control doorset

Grade 0: Not verified for use on fire resisting /smoke control doorset assemblies;

Grade A: For use on smoke control doorset assemblies based on a test in accordance with EN 1634-3 where the lock contributes to the integrity

Grade B: For use on smoke control and fire resisting doorset assemblies based on a test in accordance with EN 1634-1 or EN 1634-2 where the lock contributes to the integrity;

Grade N: For use on smoke control and fire resisting doorset assemblies based on tests where the lock does not contribute to keeping the door in a closed position during the fire resisting and/or smoke control test;

5 Safety

Grade 0: No safety requirement

6 Corrosion Resistantce and Temperature

Grade 0:	No defined corrosion resistance,	no temperature requirement
Grade A:	Low corrosion resistance (24 h),	no temperature requirement
Grade C:	High corrosion resistance (96 h),	no temperature requirement
Grade D:	Very high corrosion resistance (240 h),	no temperature requirement
Grade F:	High corrosion resistance (96 h),	Temperature requirement: -10°C to +60°C
Grade G:	Very high corrosion resistance (240 h),	Temperature requirement: -10°C to +60°C

7 Security and drill resistance

Grade	Side force on deadbolt	Disengaging force	Deadbolt projection	In case of hook, resistance for pulling of antiseparation bolt	In case of hook, resistance to forcing of antilifting device in sliding door lock	Drill resistance
0	-	-	-	-	-	-
1	1 kN	1 kN	10 mm	1 kN	1 kN	no
2	3 kN	2 kN	12 mm	3 kN	3 kN	no
3	5 kN	4 kN	14 mm	5 kN	3 kN	no
4	7 kN	5 kN	20 mm	7 kN	5 kN	no
5	7 kN	5 kN	20 mm	7 kN	5 kN	yes
6	10 kN	6 kN	20 mm	10 kN	6 kN	no
7	10 kN	6 kN	20 mm	10 kN	6 kN	yes

note: 1kN = 100 kg

8 Key identification of lever locks

Grade 0: No requirement

Grade A: Minimum three detaining elements

Grade B: Minimum five detaining elements

Grade C: Minimum five detaining elements, extended number of effective differs

Grade D: Minimum six detaining elements

Grade E: Minimum six detaining elements, extended number of effective differs

Grade F: Minimum seven detaining elements

Grade G: Minimum seven detaining elements, extended number of effective differs

Grade H: Minimum eight detaining elements, extended number of effective differs