



BS EN

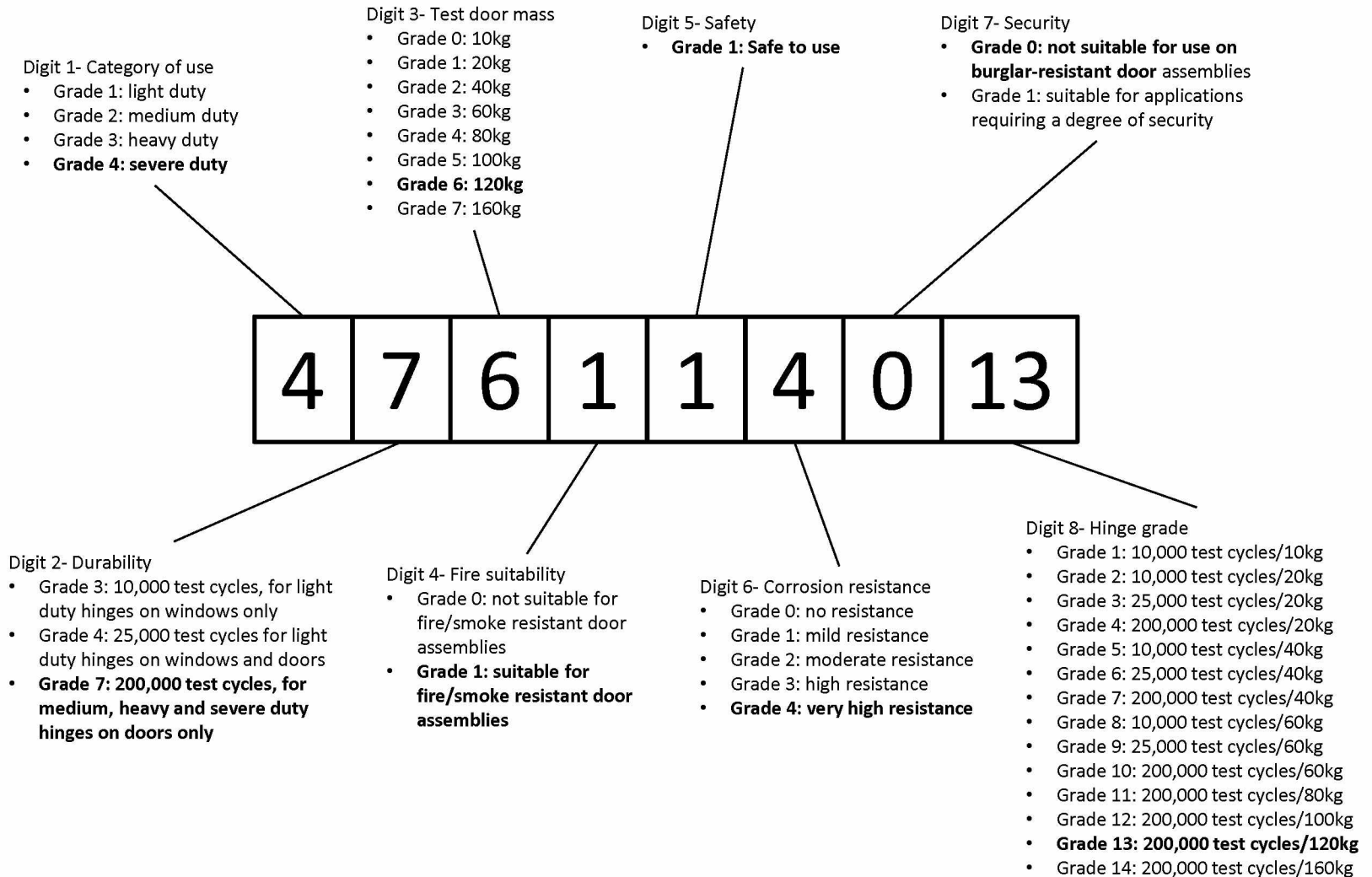
Classifications



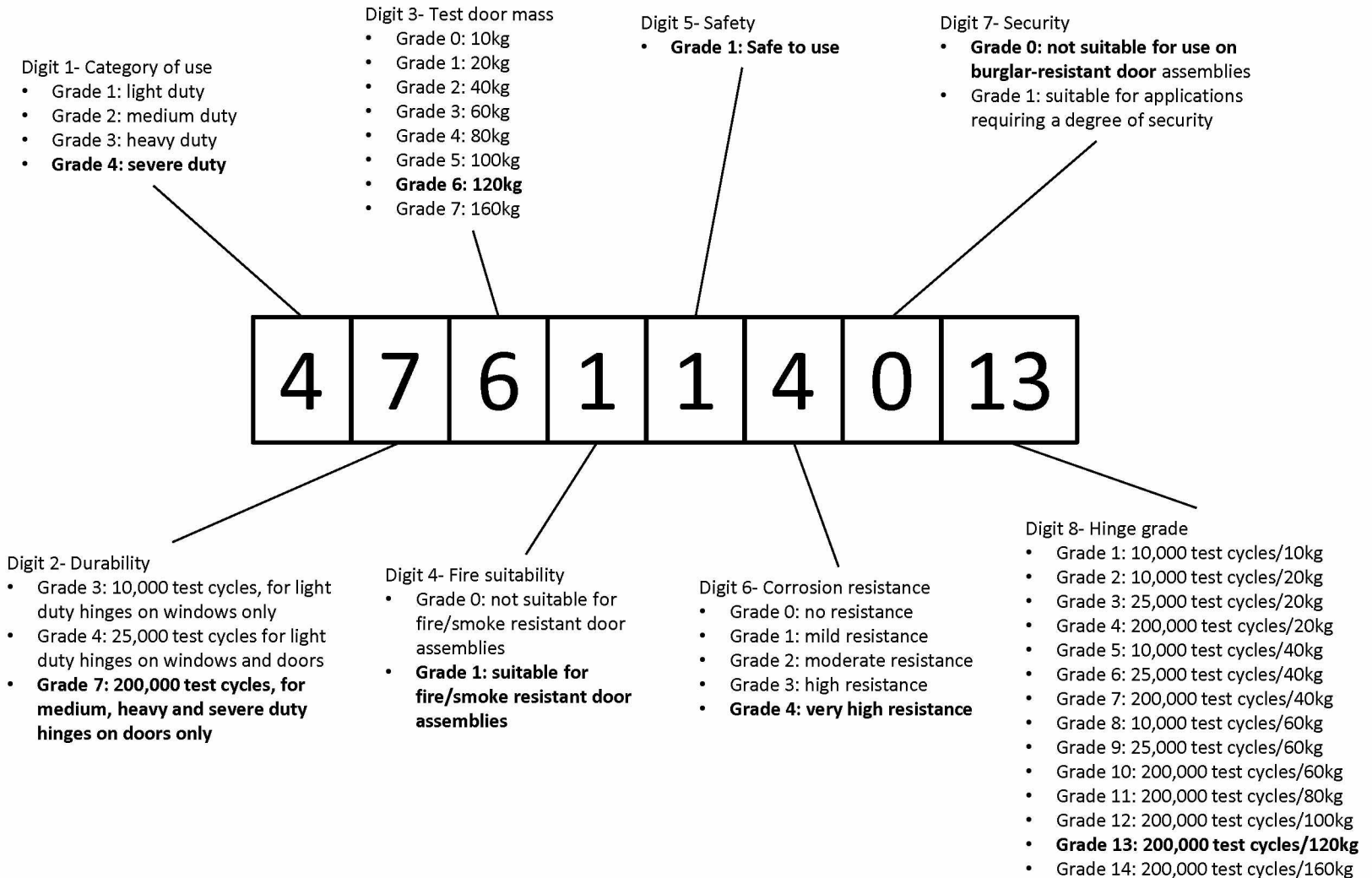


HINGE

BS EN 1935



BS EN 1935





DOOR CLOSER

LG.LA801.16.150 SURFACE MOUNTED OVERHEAD DOOR CLOSER

BS EN 1154

Digit 1- Category of use

- **Grade 3: for closing doors atleast 105°**
- Grade 4: for closing doors from 180°

Digit 3- Test door mass

- Grade 0: 10kg
- Grade 1: 20kg
- **Grade 2: 40kg**
- **Grade 3: 60kg**
- **Grade 4: 80kg**
- Grade 5: 100kg
- Grade 6: 120kg
- Grade 7: 160kg

Digit 5- Safety

- **Grade 1: Safe to use**



Digit 2- Durability

- **Grade 8: 500,000 test cycles**

Digit 4- Fire suitability

- Grade 0: not suitable for fire/smoke resistant door assemblies
- **Grade 1: suitable for fire/smoke resistant door assemblies**

Digit 6- Corrosion resistance

- Grade 0: no resistance
- Grade 1: mild resistance
- Grade 2: moderate resistance
- **Grade 3: high resistance**
- Grade 4: very high resistance

LG.LA802.16.150 DOOR CLOSER

BS EN 1154

Digit 1- Category of use

- Grade 3: for closing doors atleast 105°
- **Grade 4: for closing doors from 180°**

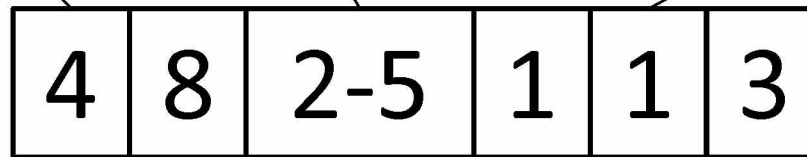
Digit 3- Test door mass

- Grade 0: 10kg
- Grade 1: 20kg
- **Grade 2: 40kg**
- **Grade 3: 60kg**
- **Grade 4: 80kg**
- **Grade 5: 100kg**
- Grade 6: 120kg
- Grade 7: 160kg

Proposed door closer will be used on basement doors where door weight do not exceed 100kg Digit 3:Grade 6 not required

Digit 5- Safety

- **Grade 1: Safe to use**



Digit 2- Durability

- **Grade 8: 500,000 test cycles**

Digit 4- Fire suitability

- Grade 0: not suitable for fire/smoke resistant door assemblies
- **Grade 1: suitable for fire/smoke resistant door assemblies**

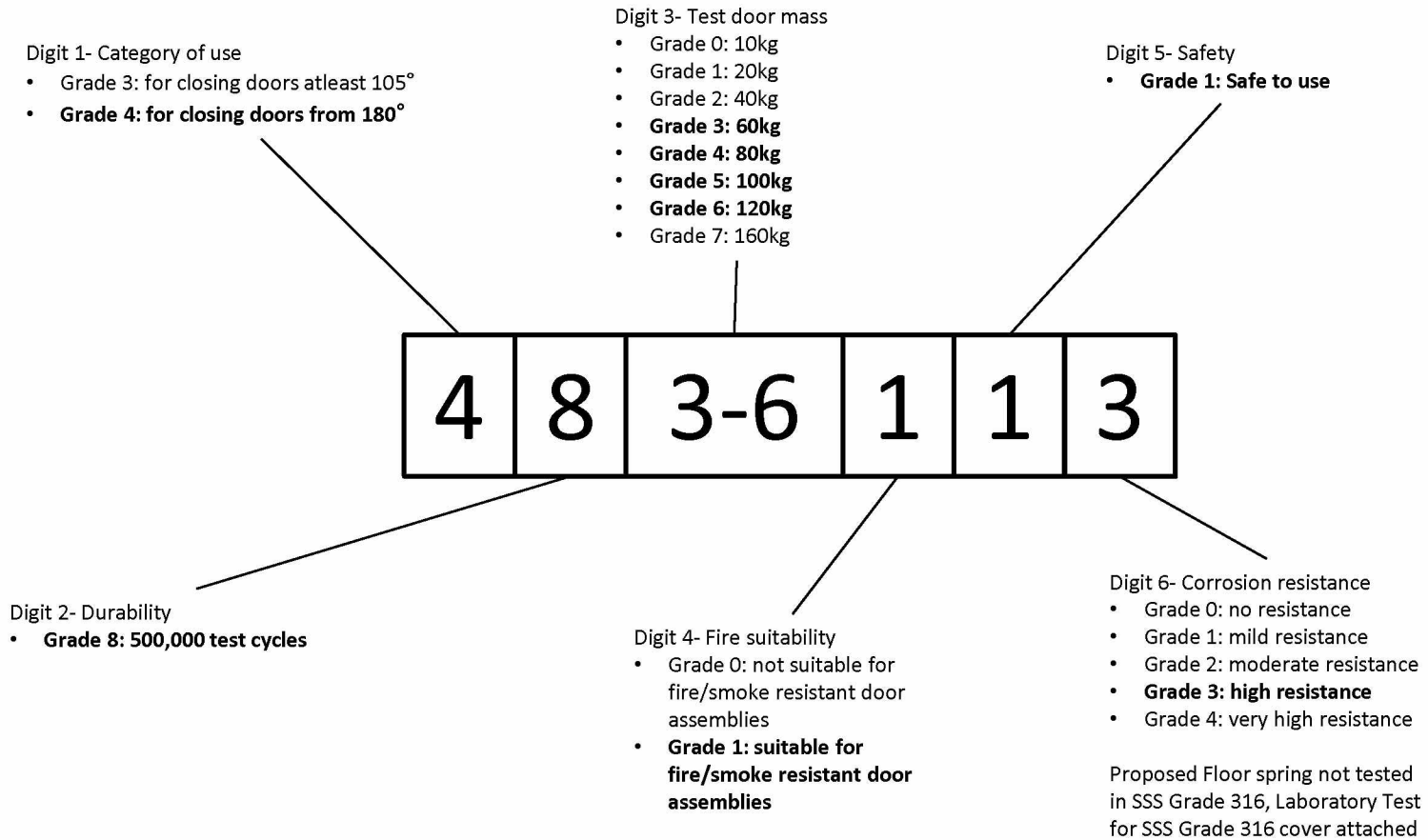
Digit 6- Corrosion resistance

- Grade 0: no resistance
- Grade 1: mild resistance
- Grade 2: moderate resistance
- **Grade 3: high resistance**
- Grade 4: very high resistance

Proposed Floor spring not tested in SSS Grade 316, Laboratory Test for SSS Grade 316 cover attached

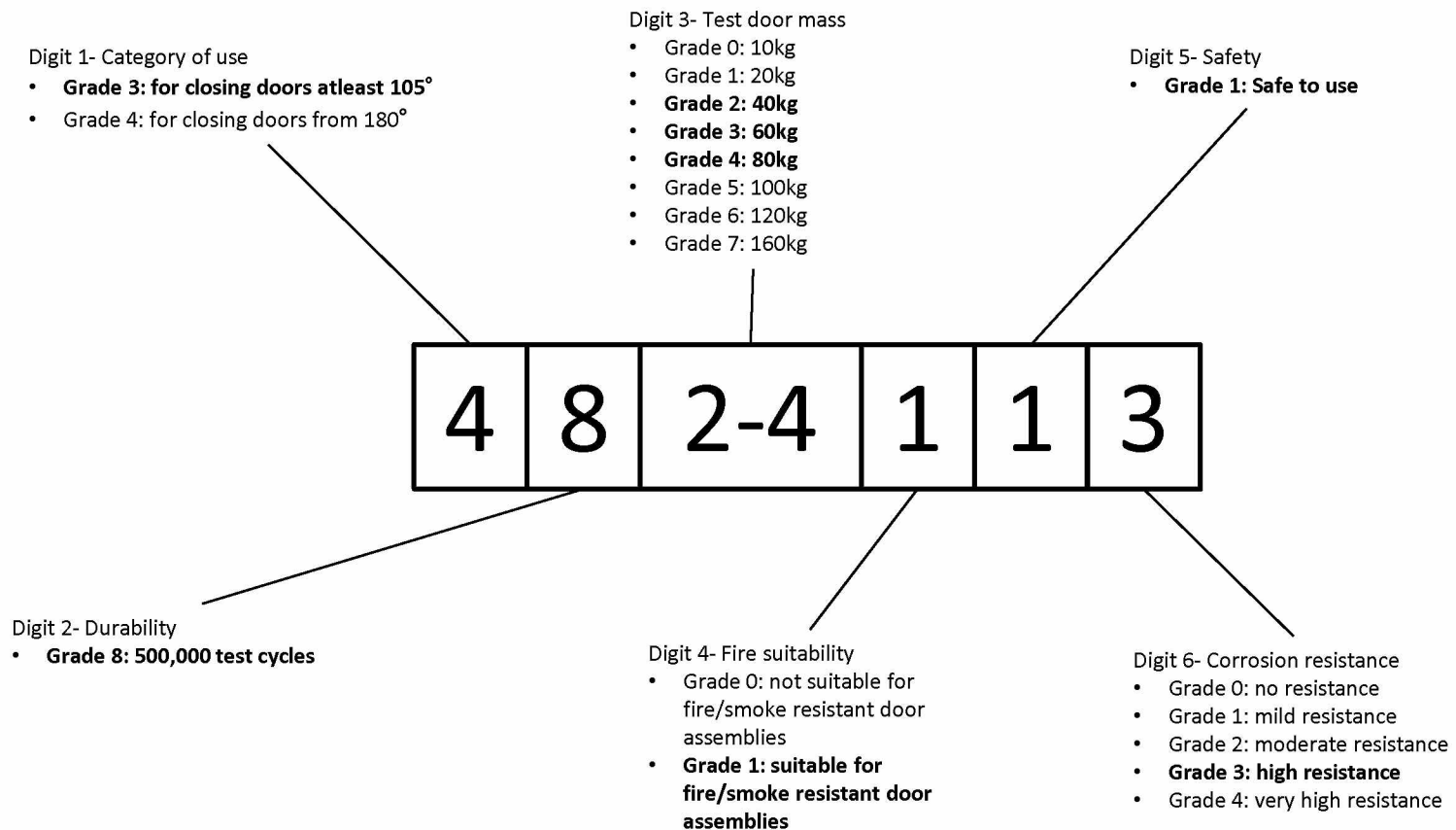
LG.LA806.16.150 DOOR CLOSER

BS EN 1154



LG.LA807.204.04.150 CONCEALED DOOR CLOSER

BS EN 1154





FLOOR SPRING

LG.LA901.004.01.153-NHO FLOOR SPRING

BS EN 1154

Digit 1- Category of use

- **Grade 3: for closing doors atleast 105°**
- Grade 4: for closing doors from 180°

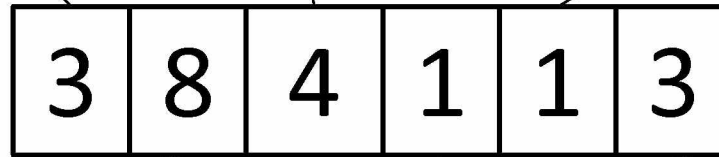
Digit 3- Test door mass

- Grade 0: 10kg
- Grade 1: 20kg
- Grade 2: 40kg
- Grade 3: 60kg
- **Grade 4: 80kg**
- Grade 5: 100kg
- Grade 6: 120kg
- Grade 7: 160kg

Grade 7 not required,
(as per All Good), as
door weights do not
exceed 80kg

Digit 5- Safety

- **Grade 1: Safe to use**



Digit 2- Durability

- **Grade 8: 500,000 test cycles**

Digit 4- Fire suitability

- Grade 0: not suitable for fire/smoke resistant door assemblies
- **Grade 1: suitable for fire/smoke resistant door assemblies**

Digit 6- Corrosion resistance

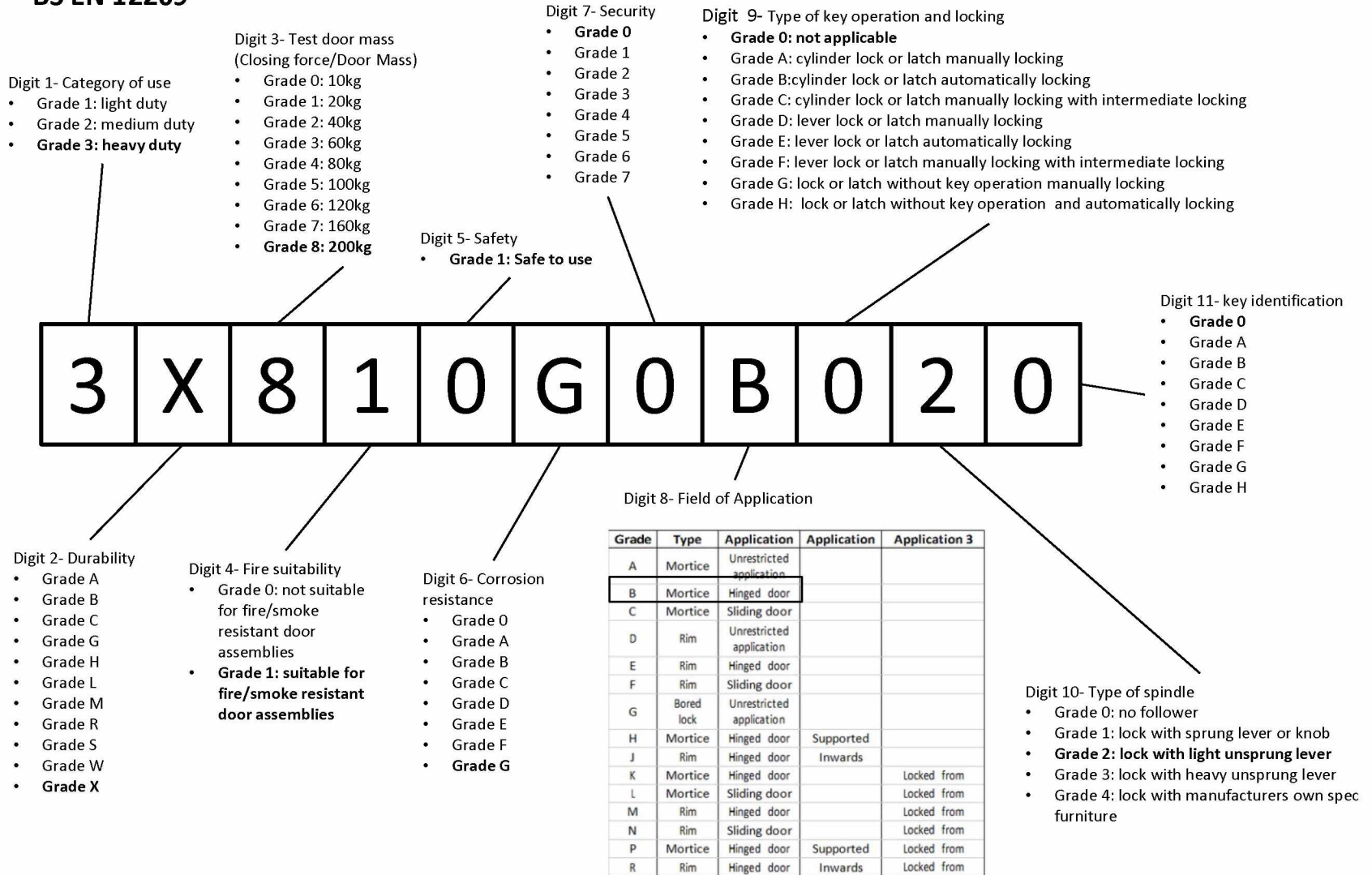
- Grade 0: no resistance
- Grade 1: mild resistance
- Grade 2: moderate resistance
- **Grade 3: high resistance**
- Grade 4: very high resistance



LOCKS

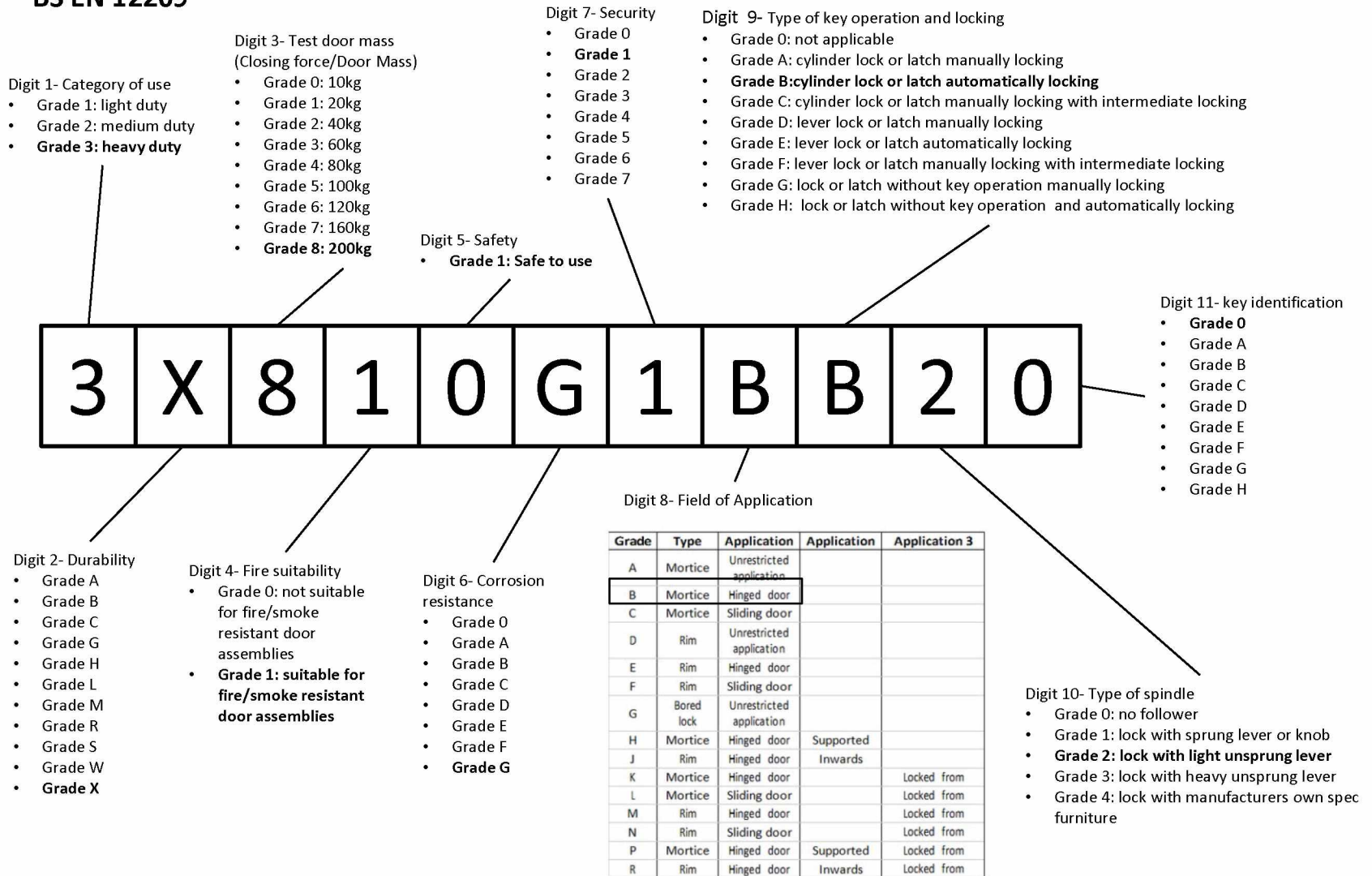
LG.LA62.5500.01.153 Latch

BS EN 12209



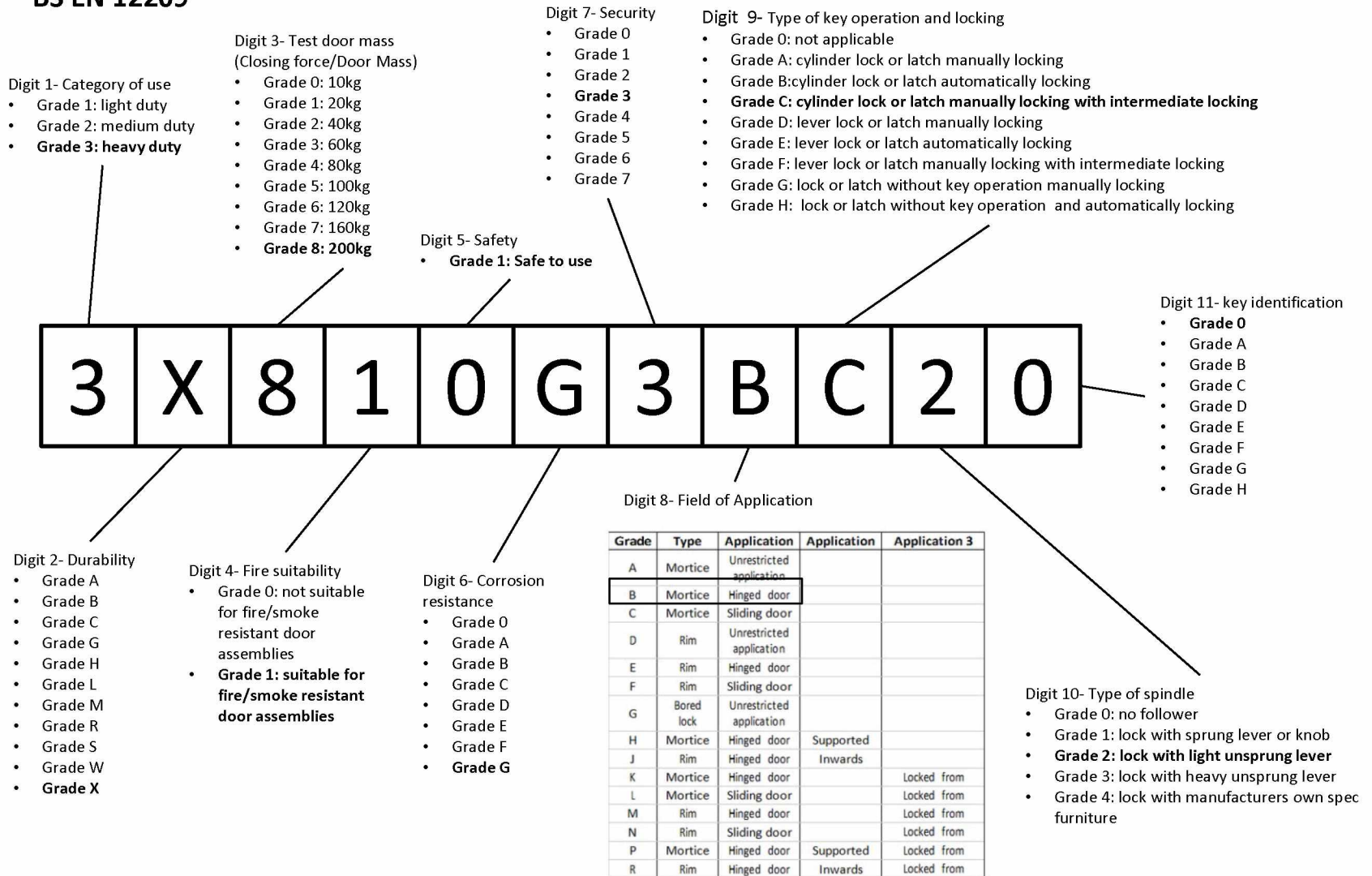
LG.LA64.5572.01.153 Night Latch Lock

BS EN 12209



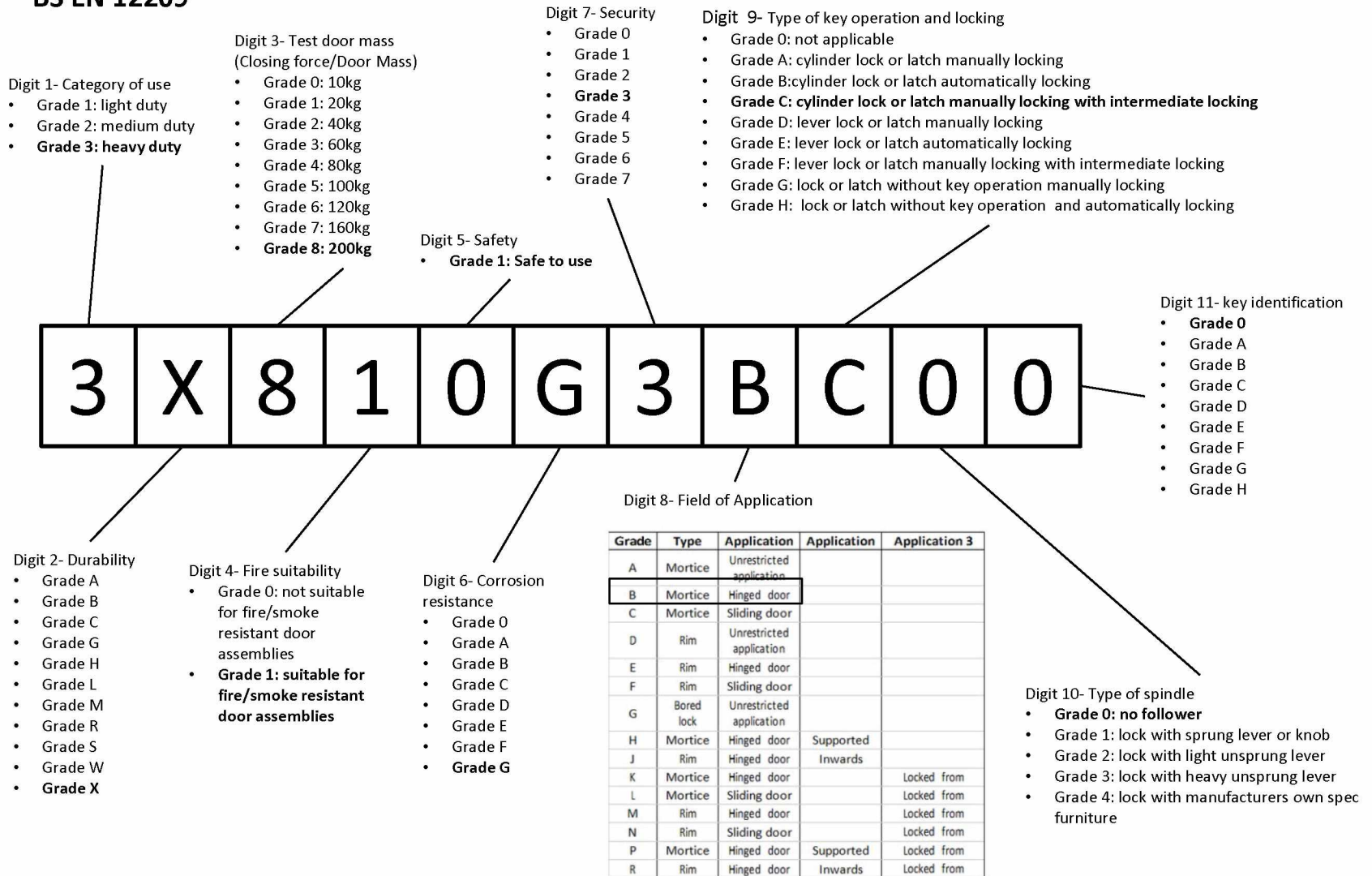
LG.LA60.5572.01.153 Sashlock

BS EN 12209



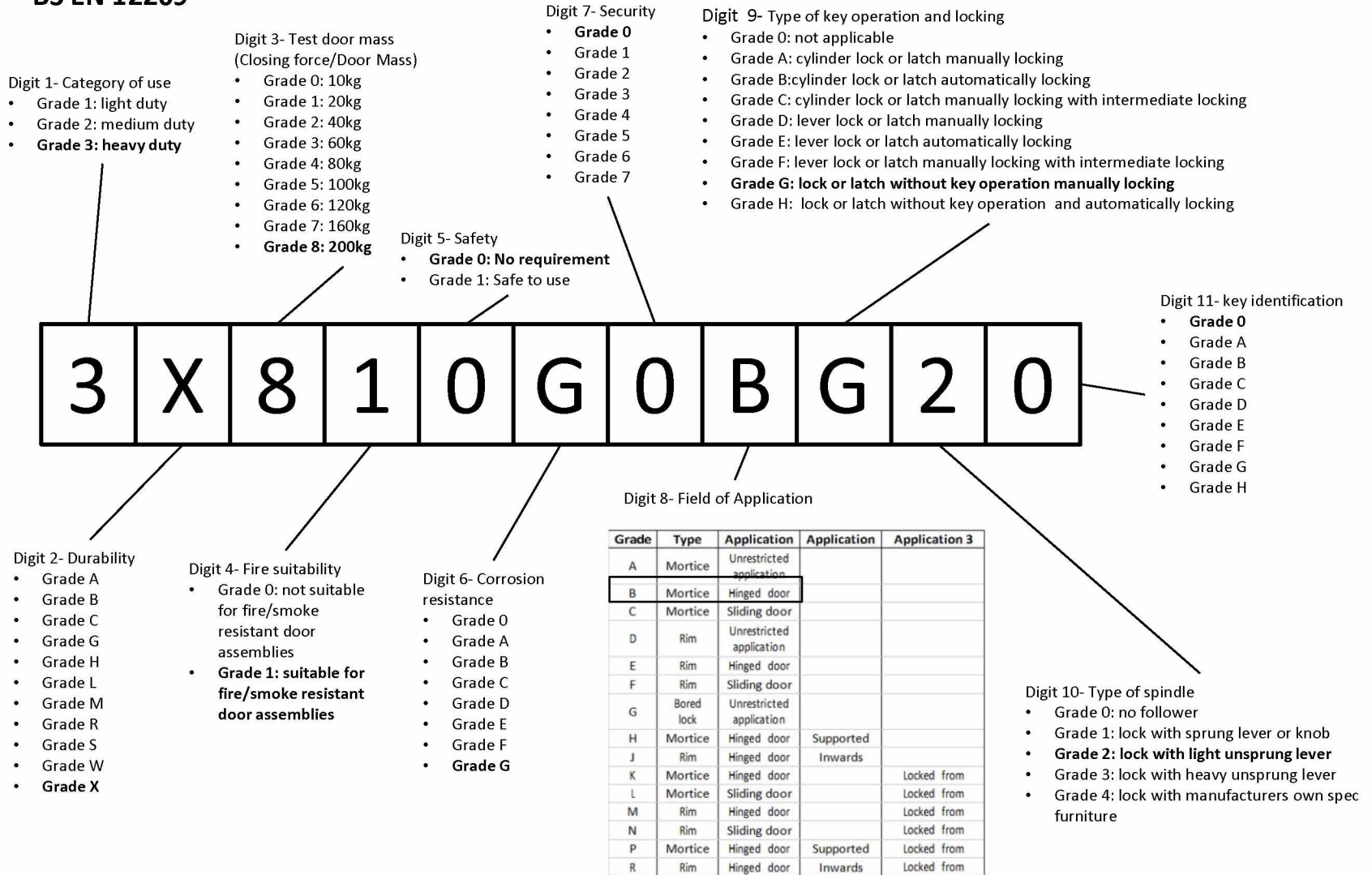
LG.LA61.5500.01.153 Deadlock

BS EN 12209



LG.LA63.5578.01.153 Bathroom Lock

BS EN 12209





CYLINDER

BS EN 1303

Digit 1- Category of use

- Grade 1: for use by people with high incentive to exercise care and with a small chance of misuse

Digit 3- door mass

- Grade 0: no requirement

Digit 5- Safety

- Grade 0: no requirement

1 6 0 B 0 C 6 B/C/D

Digit 2- Durability

- Grade 4: 25,000 cycles
- Grade 5: 50,000 cycles
- Grade 6: 100,000 cycles

Digit 4- Fire resistance

- Grade 0: not suitable for fire/smoke resistant door assemblies
- Grade A: Tested to Smoke Test EN 1634-3. Melting point not less than 840°C
- Grade B: Subjected to Fire Test EN 1634-1 or EN-1634-2. Melting point not less than 840°C

Digit 6- Corrosion resistance

- Grade 0: No requirement
- Grade A: high corrosion resistance; no temperature requirement
- Grade B: no corrosion requirement; temperature requirement -20°C to +80°C
- Grade C: high corrosion resistance; temperature requirement from -20°C to +80°C

Digit 7- Key related security

Requirement	Grades						Unit
	1	2	3	4	5	6	
Min number of effective	100	300	15,000	30,000	30,000	100,000	number
Min number of movable detailers	2	3	5	5	6	6	number
Max number of identical	100	70	60	60	60	50	%
Max number of identical adjacent steps	-	2	2	2	2	2	number
Direct coding on key	-	-	No	No	No	No	-
Operation of security mechanism (interpassing)	^a 1.5	^a 1.5	^a 1.5	^b 1.5	^b 1.5	^b 1.5	Nm
- Torque Torque resistance of plug/cylinder	2.5	5	15	15	15	15	Nm

Digit 8- Attack resistance

Requirement	0	Grades				Unit
		A	B	C	D	
Resistance to drilling (net drilling time)	-	3 to 5	5 to 10	3 to 5	5 to 10	minutes
Resistance to chisel attack (number of defined blows)	-	30	40	30	40	number
Resistance to twisting attack (no. if defined twists)	-	20	30	20	30	number
Resistance to plug/cylinder extraction (Force)	-	-	-	10 5 to 15	15 5 to 15	kN minutes
Torque resistance of plug/cylinder (torque)	-	20	30	20	30	Nm



PANIC DEVICE

BS EN 1125:2008

