

CTS - Vehicle Security Barrier-List

Stand (Date):
Apr 21

Liste der von Herstellern freigegebenen Systeme
(List of systems approved by the manufacturer)

Revision
0

| Barrieren Typ (Barrier Type) | Hersteller (Manufacture) | Produktname (Product Name) | Prüfnorm/Prüftyp (Standard/Test Type) | Prüfuntergrund (Test Site Ground) | Jahr (Year) | Prüfergebnis (Test Result)* |
|---|---------------------------------------|-------------------------------|--|--------------------------------------|----------------|--|
| Beweglicher Poller (Movable Bollard) | Perimeter Protection Germany GmbH | beweglicher Poller M30 | PAS 68:2013 N2 - 48 km/h IWA 14-1:2013 N2A - 48 km/h | Schotter (Gravel) | 2014 | PAS 68:2013 movable bollard V/7500[N2]/48/90:0.0/0.0 IWA 14-1:2013 movable bollard V/7200[N2A]/48/90:0.4 |
| Beweglicher Blocker (Movable Blocker) | OZAK GECIS TEKNOLOJILERI SAN. TIC AS. | HRB 30 R 90 | ASTM F2656-07, M50 | Schotter (Gravel) | 2015 | P1 (- 2.1 m) |
| Beweglicher Poller (Movable Bollard) | Perimeter Protection Germany GmbH | beweglicher Poller M50 | PAS 68:2013 N3 80 km/h IWA 14-1:2013 N3C 80 km/h | Schotter (Gravel) | 2015 | PAS 68:2013 movable bollard V/7500[N3]/80/90:5.2/7.8 IWA 14-1:2013 movable bollard V/7200[N3C]/80/90:5.5 |
| Beweglicher Blocker (Movable Blocker) | OZAK GECIS TEKNOLOJILERI SAN. TIC AS. | HBD 275 H 90 | ASTM F2656-07, M40 | Schotter (Gravel) | 2015 | P1 (0.9 m) |
| Beweglicher Poller (Movable Bollard) | FAAC S.p.A. - Soc. Unipersonale | FAAC J355 M50 | PAS 68:2013 N3 - 80 km/h IWA 14-1:2013 N3C - 80 km/h | Schotter (Gravel) | 2015 | PAS 68:2013 movable bollard V/7500[N3]/80/90:5.0/10.9 IWA 14-1:2013 movable bollard V/7200[N3C]/80/90:5.4 |
| Poller (Bollard) | BEGA Gantenbrink-Leuchten GmbH | 84016 Bollard tube | PAS 68:2013 M1 48 km/h IWA 14-1:2013 M1 48 km/h | Schotter (Gravel) | 2016 | PAS 68:2013 bollard V/1500[M1]/48/90:-0.7/0.0 IWA 14-1:2013 bollard V/1500[M1]/48/90:-0.5 |
| Poller (Bollard) | BEGA Gantenbrink-Leuchten GmbH | 84623 Bollard tube | PAS 68:2013 N2 - 48 km/h IWA 14-1:2013 N2A 48 km/h | Schotter (Gravel) | 2017 | PAS 68:2013 bollard V/7500[N2]/48/90:-0.2/4.7 IWA 14-1:2013 bollard V/7200[N2A]/48/90:0.0 |
| Beweglicher Poller (Movable Bollard) | ZABAG Security Engineering GmbH | Z-HSP 500 | IWA 14-1:2013 N3E-48 km/h | Schotter (Gravel) | 2017 | IWA 14-1:2013 bollard V/24000[N3E]/48/90:0.6 |
| Mobile Fahrzeugsperre (Mobile Blocker) | truckBloc GmbH | truckBloc tB-18 | PAS 68:2013 N3 - 80 km/h IWA 14-1:2013 N3C - 80 km/h | Asphalt (Asphalt) | 2017 | PAS 68:2013 mobile blocker V/7500[N3]/80/90:31.1/34.2 IWA 14-1:2013 mobile blocker V/7200[N3C]/80/90:35.2 |
| Poller (Bollard) | Perimeter Protection Germany GmbH | Poller M50 starr | PAS 68:2013 N3 - 80 km/h IWA 14-1:2013 N3C 80 km/h | Schotter (Gravel) | 2017 | PAS 68:2013 bollard V/7500[N3]/80/90:0.4/15.4 IWA 14-1:2013 bollard V/7200[N3C]/80/90:0.8 |
| Poller (Bollard) | BEGA Gantenbrink-Leuchten GmbH | 84623 Bollard tube | ASTM F2656/F2656M-15, M30 | Schotter (Gravel) | 2018 | P1 (- 0.2 m) |
| Beweglicher Poller (Movable Bollard) | FAAC S.p.A. - Soc. Unipersonale | FAAC J355 HA M50 OAI | ASTM F2656/F2656-18, M50 | Schotter (Gravel) | 2018 | P2 (3.5 m) |
| Poller (Bollard) | BEGA Gantenbrink-Leuchten GmbH | Pollerleuchtenrohr 84 303 | PAS 68:2013 N2 - 48 km/h IWA 14-1:2013 N2A 48 km/h | Schotter (Gravel) | 2018 | PAS 68:2013 bollard V/7500[N2]/48/90:-0.3/0.0 IWA 14-1:2013 bollard V/7200[N2A]/48/90:-0.1 |
| Beweglicher Poller (Movable Bollard) | ComProtect GmbH | PSK12 | IWA 14-1:2013 N2B - 80 km/h ASTM F2656/2656M - 18a, C750 | Schotter (Gravel) | 2018 | IWA 14-1:2013 movable bollard V/7200[N2B]/80/90:4.7 P2 (4.5 m) |
| Beweglicher Blocker (Movable Blocker) | MAGNETIC CONTROL SYSTEMS SDN BHD. | MRS3 | ASTM F2656/F2656-18a, M40 | Schotter (Gravel) | 2019 | P3 (11.1 m) |
| Mobile Fahrzeugsperre (Mobile Blocker) | Indutainer GmbH | INDUTAINER IBCs | Technische Richtlinie "Mobile Fahrzeugsperre" v0.7, 12.07.2018 - SK1B | Asphalt (Asphalt) | 2019 | SK1B/884 kJ/18,9 m/22,3 m |
| Mobile Fahrzeugsperre (Mobile Blocker) | Herne Protect GmbH | Herne Truck Sperre | IWA 14-1:2013 N2A-48 km/h | Asphalt (Asphalt) | 2019 | IWA 14-1:2013 mobile blocker V/7200[N2A]/48/90:15.0 |
| Mobile Fahrzeugsperre (Mobile Blocker) | VOWISOL Wintergärten GmbH | VOWISOL Mobile Fahrzeugsperre | PAS 68:2013 N3 - 80 km/h IWA 14-1:2013 N3C - 80 km/h | Asphalt (Asphalt) | 2019 | PAS 68:2013 mobile blocker V/7500[N3]/80/90:16.1/0.0 IWA 14-1:2013 mobile blocker V/7200[N3C]/80/90:17.4 |
| Mobile Fahrzeugsperre (Mobile Blocker) | VOWISOL Wintergärten GmbH | VOWISOL Mobile Fahrzeugsperre | Technische Richtlinie "Mobile Fahrzeugsperre" v0.8, 26.06.2019 - SK1B | Asphalt (Asphalt) | 2019 | SK1B/928 kJ/12,3 m/30,4 m |
| Schranke (Gate) | ZABAG Security Engineering GmbH | Z-HSTS-8000 | IWA 14-1-2013 N2B - 48 km/h ASTM F2656/F2656M - 18a, C730 | Schotter (Gravel) | 2019 | IWA 14-1:2013 gate V/7200[N2B]/48/90:0.4 P1 (0.3 m) |
| Beweglicher Poller (Movable Bollard) | PollerMax GmbH | Secureline 1000-HY | IWA 14-1:2013 N2A-48 km/h | Schotter (Gravel) | 2020 | IWA 14-1:2013 movable bollard V/7200[N2A]/48/90:-0.2 |

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|--|---|--------------------------------|---|--------------------------------------|----------------|---|
| Poller (Bollard) | ZABAG Security Engineering GmbH | Z-HFFP-273 | IWA 14-1:2013 N3D-80 km/h | Schotter (Gravel) | 2020 | IWA 14-1:2013 bollard V/12000[N3D]/80/90:5.4 |
| Beweglicher Poller (Movable Bollard) | ZABAG Security Engineering GmbH | Z-HSP-273 | IWA 14-1:2013 N3D-80 km/h | Schotter (Gravel) | 2020 | IWA 14-1:2013 movable bollard V/12000[N3D]/80/90:4.8 |
| Tor (Gate) | Perimeter Protection Germany GmbH | Schnellfalttor EntraQuick PU30 | PAS 68:2013 N1G 48 km/h IWA 14-1:2013 N1G 48 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 gate V/2500[N1G]/48/90:1.2/0.0 IWA 14-1:2013 gate V/2500[N1G]/48/90:1.3 |
| Beweglicher Poller (Movable Bollard) | FAAC S.p.a. - Soc. Unipersonale | 275 2K20 HA | PAS 68:2013 N2 - 48 km/h IWA 14-1:2013 N2A - 48 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 movable bollard V/7500[N2]/48/90:1.7/0.0 IWA 14-1:2013 movable bollard V/7200[N2A]/48/90:1.9 |
| Beweglicher Poller (Movable Bollard) | PollerMax GmbH | Secureline 270 HY | IWA 14-1:2013 N2A - 80 km/h | Schotter (Gravel) | 2020 | IWA 14-1:2013 movable bollard V/7200[N2A]/80/90:0.7 |
| Beweglicher Blocker (Movable Blocker) | Saudi Basic Technology Co. Ltd. (SAB TECH) | RB3M1000CT | PAS 68:2013 N3 - 80 km/h IWA 14-1:2013 N3C - 80 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 movable blocker V/7500[N3]/80/90:-1.5/4.6 IWA 14-1:2013 movable blocker V/7200[N3C]/80/90:-0.9 |
| Blocker (Blocker) | VEKSØ A/S | FDB Bike Rack | PAS 68:2013 M1 - 48 km/h IWA 14-1:2013 M1 - 48 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 blocker V/1500[M1]/48/90:0.0/0.0 IWA 14-1:2013 blocker V/1500[M1]/48/90:0.1 |
| Blocker (Blocker) | VEKSØ A/S | FDB Bench | PAS 68:2013 M1 - 48 km/h IWA 14-1:2013 M1 - 48 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 blocker V/1500[M1]/48/90:0.1/0.0 IWA 14-1:2013 blocker V/1500[M1]/48/90:0.3 |
| Poller (Bollard) | VEKSØ A/S | FDB Bollard | PAS 68:2013 M1 - 48 km/h IWA 14-1:2013 M1 - 48 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 fixed bollard V/1500[M1]/48/90:2.7/0.0 IWA 14-1:2013 fixed bollard V/1500[M1]/48/90:2.8 |
| Beweglicher Poller (Movable Bollard) | Michael Thomas GmbH | Thomas Torpedo | PAS 68:2013 N2-48 km/h IWA 14-1:2013 N2A-48 km/h | Schotter (Gravel) | 2020 | PAS 68:2013 moveable bollard V/7500[N2]/48/90:0.0/0.0 IWA 14-1:2013 moveable bollard V/7500[N2A]/48/90:0.3 |
| Poller (Bollard) | PollerMax GmbH | SecureLine 270 ST M50 | IWA 14-1:2013 N2A-80 km/h | Schotter (Gravel) | 2021 | IWA 14-1:2013 bollard V/7200[N2A]/80/90:5.8 |

| * Erläuterung der Prüfergebnisse (Explanation of the Test Results) | | | | | | | | |
|--|--------------------------|--|-----------------------------------|-----------------------------------|---------------------------------------|--------------------------|------------------------------|-------------------------------|
| PAS 68 (Beispiel (Example): Bollard V/7500[N2]/64/90:2.5/11.0) | | | | | | | | |
| | Barriertyp (VSB Type) | Prüftyp (Test Type) | Prüfmasse (Test Inertial Mass) | Fahrzeugklasse (Vehicle Class) | Prüfgeschwindigkeit (Impact Speed) | Winkel (Impact Angle) | Eindringung (Penetration) | Bruchstücke (major debris) |
| | | Kennzeichnung für physischen Test (Marking for physical test) | in kg | | in km/h | in ° | in m | in m |
| Beispiel (Example) | Bollard | V | 7500 | N2 | 64 | 90 | 2.5 | 11.0 |

| IWA 14-1 (Beispiel (Example): Bollard V/7200[N2A]/64/90:2.5) | | | | | | | | |
|--|--------------------------|--|-----------------------------------|-----------------------------------|---------------------------------------|--------------------------|------------------------------|--|
| | Barriertyp (VSB Type) | Prüftyp (Test Type) | Prüfmasse (Test Inertial Mass) | Fahrzeugklasse (Vehicle Class) | Prüfgeschwindigkeit (Impact Speed) | Winkel (Impact Angle) | Eindringung (Penetration) | |
| | | Kennzeichnung für physischen Test (Marking for physical test) | in kg | | in km/h | in ° | in m | |
| Beispiel (Example) | Bollard | V | 7200 | N2A | 64 | 90 | 2.5 | |

| ASTM F2656/2656M | |
|-----------------------|------------------------------|
| Bewertung (Rating) | Eindringung (Penetration) |
| P1 | ≤ 1 m |
| P2 | 1-7 m |
| P3 | > 7 m |

| Technische Richtlinie "Mobile Fahrzeugsperren" (Beispiel (Example): SK1B/850 kJ/20,0 m/25,0 m) | | | | |
|--|------------------------------------|------------------------------------|--------------------------------|---|
| | Schutzklasse (Protection Class) | Aufprallenergie (Impact Energy) | Eindringtiefe (Penetration) | max. Streuweite (Max. Spread of Debris) |
| Beispiel (example) | SK1B | 850 kJ | 20,0 m | 25,0 m |