

CTS - Vehicle Security Barrier-List

Stand (Date):
Aug 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)	Prüfungsort (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 Poller (Movable Bollard)	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
Beweglicher Blocker (Movable Blocker)	TISO Production, LLC.	AUIA - 333 Automatic	ASTM F2656 - 07, M50	Schotter (Gravel)	2015	P1 [- 2.4 m]
Beweglicher Poller (Movable Bollard)	TiSO Production, LLC.	AUIA - 342	ASTM F2656 - 07, M50	Schotter (Gravel)	2015	P1 [- 0.6 m]
Beweglicher Poller (Movable Bollard)	TiSO Production, LLC.	AUIA - 348	ASTM F2656 - 07, M30	Schotter (Gravel)	2015	P1 [- 1.2 m]
Beweglicher Blocker (Movable Blocker)	TISO Production, LLC.	AUIA - 313	ASTM F2656 - 07, M30	Schotter (Gravel)	2015	P1 [- 2.1 m]
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
Beweglicher Blocker (Movable Blocker)	TISO Production, LLC.	Cyclope AUIA 320-02	ASTM F2656/F2656M-15, C740 IWA 14-1:2013, N2B - 64 km/h	Schotter (Gravel)	2016	P1 [- 1.7 m] IWA 14-1:2013 movable blocker V/7200[N2B]/64/90:-0.2
Beweglicher Blocker (Movable Blocker)	TISO Production, LLC.	AUIA 359-04	ASTM F2656/F2656M-15, C730 IWA 14-1:2013, N2B - 48 km/h	Schotter (Gravel)	2016	P1 [- 0.7 m] IWA 14-1:2013 movable blocker V/7200[N2B]/48/90:0.3
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)	TISO Production, LLC.	RB343-68-GH-15-0.1/0.1-032/100-140	ASTM F2656/F2656M-15, C750 IWA 14-1:2013, N2B - 80 km/h	Schotter (Gravel)	2017	P2 [3.8 m] IWA 14-1:2013 bollard V/7200[N2B]/80/90:4.1
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]
Mobile Fahrzeugsperre (Mobile Blocker)	TISO Production, LLC.	RB358-07-G-15-2.2/2-300/050-020	ASTM F2656/F2656M-18a, C730 IWA 14-1:2013, N2B - 48 km/h	Asphalt (Asphalt)	2018	P2 [4.9 m] IWA 14-1:2013 mobile blocker V/7200[N2B]/48/90:5.5

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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	Herner 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 Blocker (Movable Blocker)	TiSO Production, LLC.	RB 313-01	PAS 68:2013 N2 - 48 km/h IWA 14-1:2013 N2A - 48 km/h	Schotter (Gravel)	2019	PAS 68:2013 movable blocker V/7500(N2)/48/90:-1.9/0.0 IWA 14-1:2013 movable blocker V/7200(N2A)/48/90:-0.7
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
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
Beweglicher Blocker (Movable Blocker)	TiSO Production, LLC.	RB 333-01	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:-1.0/24.1 IWA 14-1:2013 movable blocker V/7200(N3C)/80/90:-0.1
Poller (Bollard)	TiSO Production, LLC.	RB345-09-S-035	ASTM F2656/F2656M-20, C750 IWA 14-1:2013, N2B - 80 km/h	Schotter (Gravel)	2020	P1 [0.7 m] IWA 14-1:2013 bollard V/7200(N2B)/80/90:0.7
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