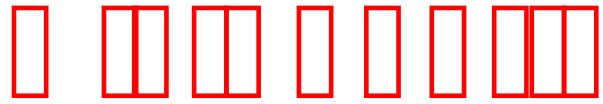


Tire Killers

Flat Type / Box Type / Electrical



کهربائی / □ □ □ □ □ □ □ □ / □ □ □ □ □ □



” Danger “
Do Not Enter
Tire Killer



EN ISO 9001 : 2000, 14001 : 2004

March 18, 2013

SOFAB has been in production of security systems since 1989. We are the largest and oldest manufacturing facility in the Middle East and Asia for the Production of Road Blockers, Bollards, Boom Gates, Tire Killers, X-Ray Scanners, UVIS Systems and many more. Please rest assured knowing that SOFAB Safety and Security systems are protecting such locations as;

Domestic Clients: SAUDI ARABIA

GOVERNMENT

- » Airport, Jeddah
- » MODA - Alyamama, Jeddah
- » National Water Faisaley, Jeddah
- » National Water Briman, Jeddah
- » National Water Guwaiza, Jeddah
- » Shuiba Water Company, Jeddah
- » Dr. Bader Shalhoob, Jeddah
- » Geological Survey, Jeddah
- » Saudi Navy, Jeddah
- » Interior Ministry, Jeddah
- » Jeddah Municipality HQ
- » Police Station, Ibraheim, Jeddah
- » Water Company, Jeddah
- » Royal Commission Medical
- » Rawdat Kuraim in Riyadh
- » Alsalam Palace
- » Prince Saud Alfaisel, Riyadh
- » Prince Abdulaziz Majed P, Yanbu

COMPOUNDS

- » Nueva Andulucia, Jeddah
- » Shurbatly Village, Jeddah
- » Alhajurain, Jeddah
- » Lotus 2, Jeddah
- » Lotus 4, Jeddah
- » Heba, Jeddah
- » Aljazeera Bollard, Jeddah
- » South Mall, Jeddah
- » Bell View, Jeddah
- » Salheia, Jeddah
- » Silver Sands, Jeddah
- » Obhur Bollard, Jeddah

HOTELS

- » Hilton, Jeddah
- » Park Hyatt, Jeddah
- » Intercontinental, Jeddah
- » Intercontinental, Taif
- » Movenpick, Jeddah
- » Westin, Jeddah
- » Dar Alhady, Mecca
- » Dar Albayan, Mecca
- » Binladin PMDC, Mecca
- » Almuheessiny Group, Mecca

COMPANY

- » Battergy, Jeddah
- » Golds Gym, Jeddah
- » PSI, Pharmaceutical, Jeddah
- » Alrajhi Steel, Jeddah
- » Samsung, Jeddah
- » PMDC Binladin, Jeddah
- » DORIO Establishment, Jeddah
- » Saudi Binladin Group, Jeddah
- » HUTA, Jeddah
- » Professional House, Jeddah
- » Procter & Gamble, Jeddah
- » Tetra Pack, Jeddah
- » GLAXCO, Jeddah
- » Aljazeera For Motor, Jeddah
- » CBA University, Jeddah
- » Safari Pack, Jeddah
- » Arabian Roots, Jeddah
- » Rabia Company, Jeddah
- » SKAB, Jeddah
- » Mr. Ahmed Jeddah
- » Al Hanaki Comp. Century, Jeddah
- » Euromarche Supreme, Riyadh
- » Azeeb Tower, Jeddah, Riyadh
- » Johnson Control, Yanbu
- » Arabian Roots, Yanbu

BANKS

- » NCB HQ, Jeddah
- » NCB MMTT Building, Jeddah
- » NCB, Tahlia, Jeddah
- » NCB KADI, Jeddah
- » NCB Mahmal, Jeddah
- » Franci Bank Tire Killer, Jeddah

EMBASSIES

- » American Embassy
- » British Embassy
- » Chinese Embassy
- » China Ambassador Residence
- » Korean Embassy
- » Iraqi Embassy

International Clients:

GOVERNMENT

- » Weather Ford Oil Company, Iraq
- » UAE Military HQ Abu Dhabi
- » Dubai Civil Defense
- » Fujaira Port, Dubai
- » Kuwait Border Guard
- » Jordanian Military Base
- » Syrian Interior Ministry
- » United Nations, Sudan
- » Iraq Parliament HQ
- » US Military Base Road Blocker
- » Korean Army
- » United Nations at Border, S. Korea
- » YPC, Yemen Petroleum

COMPANY

- » Weather Ford, UAE
- » ATC Company, Kuwait
- » Avicom, Jordan

EMBASSY

- » French Embassy, Lebanon

HOTEL

- » Royal Hotel, Jordan

BANK

- » Jordan Central Bank

These are only a few of the clients that we have served and continue to server for many years to come.





مفجر سوفاب للإطارات بأنواع متعددة سواء كان صلب فولاذي أو مطلي بالنيكل فوق سطح الأرض أو تحت
 الماء ، هنالك نوعين من مفجر الإطارات أحدهما : **مفجر الإطارات الصلب** ، **مفجر الإطارات المطلي**
 .توجد آلية غلق إختيارية حيث يمكن تثبيت السكاكين الحادة إلى الأسفل حتى يمكن إستعمال
 المدخل او المخرج بطرق مختلفه وفي حالات الطوارئ ، في حالة التصادم مع مفجر الإطارات فإن السكاكين
 الأرضية الصلبة تقوم بإختراق جميع إطارات المركبة وتدمرها تماما ، في حين أنها تقلل من الأضرار بحواف
 العجل او الإطار حيث أنها مصممة بطريقة هندسية لاتضر بحواف العجل بل أنها تصد إقتحام المركبات وتعطل
 قيادتها .جميع أنواع مفجر الإطارات المصممة حديثاً تحتوي على زنبرك مزدوج مطلي مضاد للصدأ .

Tire Killers : Flat Type / Box Type / Electrical

SOFAB Manufacturers Tire Killers per Standard Specifications listed below. We also produce per customer requirements. You may select a Below or Above Ground Tire Killers that will most suit your requirements. In the event of a collision, the Hardened Teeth, will penetrate the Vehicle Tires and destroy them while minimizing damage to the wheel rims. It will render the intruder vehicle impossible to drive. Each Tire Killer comes with a Locking Mechanism that will lock the knives in the down position incase of an emergency or vehicle reversal. A manual control lever arm can be added to any Tire Killer to allow the movement of the Tire Killer knives in the retreated position to allow vehicles to enter or exit in the opposite direction at the movement of your finger tips. The all New Designed Tire Killer comes with anti corrosion double molded spring. Patent Pending Design, First of its kind in the Kingdom of Saudi Arabia.



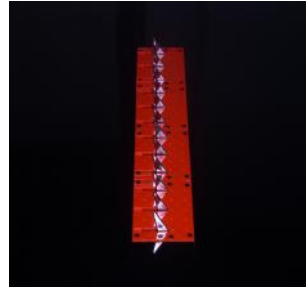


Flat Type Mechanical Tire Killers Please Specify: Below or Above the Ground:

Model	Teeth Material Type	Teeth Thickness	Number of Bearing Installed	Number of Springs Installed	Max Load Capacity	Teeth Height Above Plate	Length Per Tire Killer	Width Per Tire Killer	Top Plate Thickness	One Year Warranty	Max Driving Speed	Price SR/Dhs
ZSF-TK1001-A	Steel, Galvanized	5.0 mm	0	2	2tons	60 mm	1.09 m	420 mm	5 mm	NO	3km/hr	
ZSF-TK1001-B	Stainless Steel	8.0 mm	2	2	5tons	70 mm	1.09 m	420 mm	5 mm	YES	3km/hr	2,999
ZSF-TK1001-C	Stainless Steel	10.0 mm	2	2	10 tons	70 mm	1.09 m	420 mm	5 mm	YES	3km/hr	3,856
ZSF-TK1001-D	Stainless Steel	10.0 mm	2	2	40 tons	70 mm	1.09 m	420 mm with Extra support clones	10 mm	YES	3km/hr	4,500

Note : Installation cost (Jeddah Region) 690 SR/Dhs per linear meter
(Includes concrete base 20cmx 60cm and fixing of tire killer).

Note : Installation cost (Jeddah Region) 390 SR/Dhs per linear meter on Existing Concrete Base
Shipping Weight

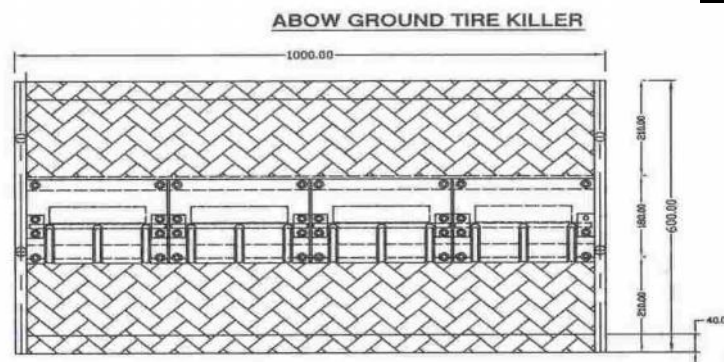


Above Ground	
Model	Weight
ZSF-TK1001-A	75+5
ZSF-TK1001-B	76+5
ZSF-TK1001-C	77+5
ZSF-TK1001-D	90+5

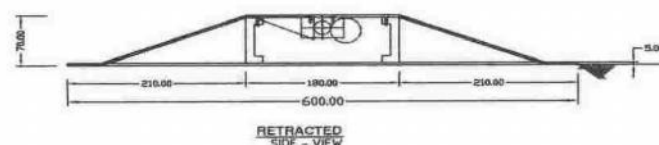
1 Year Warranty

Customer must perform the following for warranty to be in effect.

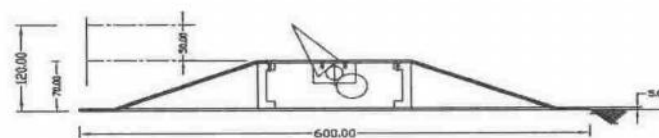
1. Open and remove Debris and clean weekly the tire killer.
2. Blow air around Spring & Ball Bearing weekly.
3. Spray WD40 around Ball Bearing weekly.
4. Assemble and test weekly.
5. Customer must bring to SOFAB Factory the Damaged Parts for repair or replacement.
6. SOFAB technical team will not come to site for repair.



TOP - VIEW



RETRACTED SIDE - VIEW



DEPLOYED SIDE - VIEW



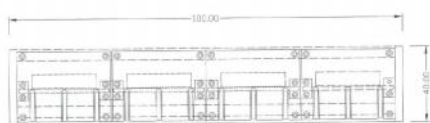


BOX Type Mechanical Tire Killers Available below Ground only. One year Warranty

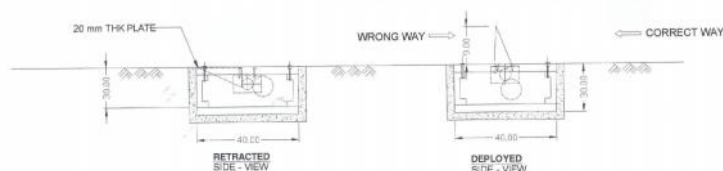
Model	Teeth Material Type	Teeth Thic kness	Number of Springs & Bearings Installed	Teeth Height Above Plate	Length Per Tire Killer	Width Per Tire Killer	Length Per Tire Killer	Max Load Capacity	Top Plate Thickness	Depth Below Ground	Max Driving Speed	Price SR/Dhs
ZSF-TK1002-A	Stainless Steel	8.0 mm	2 + 2	90 mm	1.0 m	400 mm	1.0 m	3 tons	5.0 mm	300 mm	3km/hr	2,489
ZSF-TK1002-B	Stainless Steel	8.0 mm	2 + 2 with additional counter weight	90 mm	1.0 m	400 mm	1.0 m	7 tons	6 mm w/Support	300 mm	3km/hr	3,762
ZSF-TK1002-C	Stainless Steel	10.0 mm	2 + 2 with additional counter weight	90 mm	1.0 m	400 mm	1.0 m	20 tons	8 mm w/Support	300 mm	3km/hr	4,816
ZSF-TK1002-D	Stainless Steel	10.0 mm	2 + 2 with additional counter weight	100~120 mm	1.0 m	400 mm	1.0 m	40 tons	10 mm w/Support	300 mm	3km/hr	5,434
ZSF-TK1002-E	Stainless Steel	10.0 mm	2 + 2 with additional counter weight	100~120 mm	1.0 m	400 mm	1.0 m	40 tons	12 mm w/Support	300 mm	3km/hr	6,994
ZSF-TK1002-F	Stainless Steel	10.0 mm	2 + 2 with additional counter weight	100~120 mm	1.0 m	400 mm	1.0 m	60 tons	20 mm w/Support	300 mm	3km/hr	8,663

**Note : Installation cost (Jeddah Region) 690 SR/Dhs per linear meter
(Includes concrete foundation 10cm third to support tire killer).**

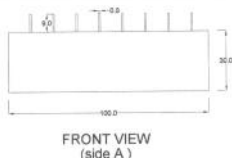
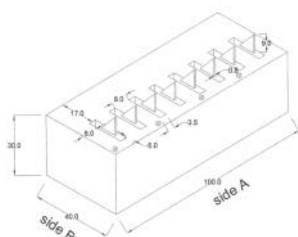
BELOW GROUND TIRE KILLER

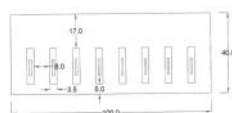


TOP - VIEW



TIRE KILLER


FRONT VIEW
(side A)

SIDE VIEW
(side B)


TOP VIEW

Shipping Weight

Below Ground	
Model	Weight
ZSF-TK1002-A	46+5
ZSF-TK1002-B	47+5
ZSF-TK1002-C	48+5
ZSF-TK1002-D	81+5
ZSF-TK1002-E	107+5
ZSF-TK1002-F	130+5



Pneumatic Tire Killer

قاتل الإطارات فوق سطح الأرض أو تحتها مع طبلون التحكم و التشغيل للأعلي و للأسفل

Flat Type Pneumatically Operated Tire Killers Available Above and Below Ground.

Includes Control Panel and Up & Down Switch Lever

Model	Electrical Type	Teeth Material Type	Teeth Thick-ness	Max Load Capacity	Teeth Height Above Plate	Length Per Tire Killer	Width Per Tire Killer	One Year War-ranty	Max Driv-ing Speed	Price SR/Dhs
AIR										
ZSF-TK1003-AIR	Above Ground	HSS Steel, Galvanized	3.0 mm	5tons	80 mm	3.0 m	600 mm	YES	3km/hr	25,800

Note: Sold in 3 meters sections, each additional 0.5 meters will is sold separately.: 2,500SR/Dhs

**Note : Installation cost (Jeddah Region) 390 SR/Dhs per linear meter
(Includes concrete base 20cmx 60cm and fixing of tire killer).**



3.0 meters Standard Pneumatic Tire Killer Structure.

- ⇒ 3 meters Pneumatic Tire Killer Spike Modules (6 pieces section of 0.5 meters each).
- ⇒ 0.5 Pneumatic Driven Control Panel Box with Power Supply.
- ⇒ Electrical Up & Down Push Switch. lever
- ⇒ 10 meters Pneumatic Pipes and 10 meter Switch Cable.
- ⇒ Optional Additional Tire Killer Modules are available at 0.5 meter lengths.
- ⇒ Optional LED Traffic Light.
- ⇒ Maximum Length per Module Set is 5 meters.

قاتل الإطارات المسطح الكهربائي فوق سطح الأرض أو تحت الأرض

Pneumatic Tire Killer Features:

- ⇒ Manufactured and Assembled by SOFAB Saudi Arabia with co-operation from SDM Italy.
- ⇒ Patented Design by SDM Italy.
- ⇒ The Pneumatic Tire Killer System Enables Normal Flow of Traffic while the Spikes are Down.
- ⇒ When the Spikes are Deployed in the Upper Position, it Puncture all Vehicle Tires Instantaneously and Renders the Vehicle Inoperable.
- ⇒ The System Enables the Immediate Operation after Tire Puncture with no Time Loss.
- ⇒ Each Module end Incorporates a Connector Rod that Enables the Simplicity of Module Expansions up to Five Meters in Length.
- ⇒ Government Agencies are Required to Purchase a Yearly Service Contract with Purchase Orders.
- ⇒ Site Survey Required for Installation Cost Estimates.
- ⇒ Power Supply: 220 Volt, Single Phase, 50/60Hz.
- ⇒ Delivery Time 15 days from Date of Purchase Order Received.
- ⇒ Free Delivery in Saudi Arabian Territory.
- ⇒ Includes Air Compressor, 100 lit capacity



المواصفات الخاصة بقاتل الإطارات الكهربائي

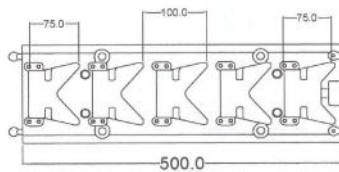
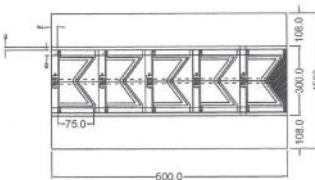
Pneumatic Tire Killer Specifications:

- ⇒ Standard Dimensions of an Assembled Tire Killer with Control Panel: 3.5 meters, consisting of 6 pcs Tire Killer (500mm per Module) and 1 Control Panel (500mm).
- ⇒ Standard Modula Tire Killer Length without Control Panel: Length 3000mm X Width 300mm X Module Ramp Height above the Ground 35mm X Spike Height above Modula housing 75mm.
- ⇒ Optional Maximum Length is 5.5 meters per Pneumatically Driven Control Box System, this includes 10 modules (500mm per module) and one control panel (500mm).
- ⇒ Dimensions of Spikes: Width 158.4mm X Height 75mm X Thickness 5mm X Protrusion Height above the Module 75mm.
- ⇒ Space between Spikes 100 mm.
- ⇒ Length per Tire Killer Segment: 500mm.
- ⇒ Constructed of Heavy Duty Rigid Steel Spikes.
- ⇒ Operates on a Solid Steel Rotational Rod.
- ⇒ Designed to Withstand Axial Loads of a 22 Metric Tons Maximum.
- ⇒ Rising and Lowering Time in 1 second to a 90° Fully Raised Puncturing Position.
- ⇒ Includes Three (3) Surface Layer Coating (Zinc Plus 2 Layers of Plastic Coating).
- ⇒ Gross Total Weight of the Tire Killer with Control Panel in 3 meters Section: 86 Kgs.
- ⇒ Structure Comprised of Zamac Structure Material Code: 213A6.
- ⇒ Weight per Each 500mm Spike Module Section is 11 Kgs.
- ⇒ Power Supply: 220 Volt, Single Phase, 50/60Hz.

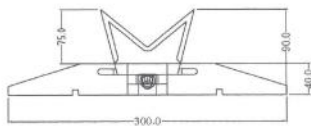
Pneumatic Tire Killers

Eletrical Tire Killer

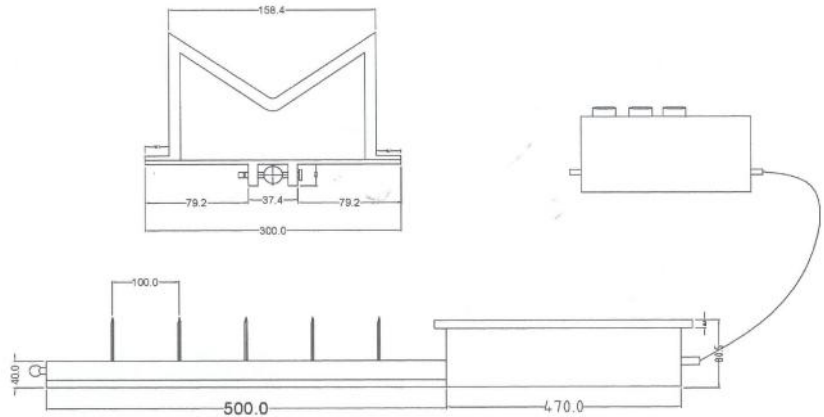
Operating by Eletrical Panel



Top-view

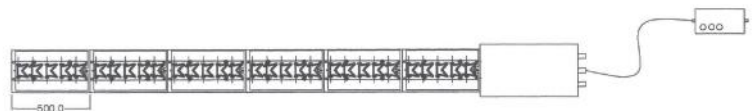


Side-view



Front-view

3 Meter

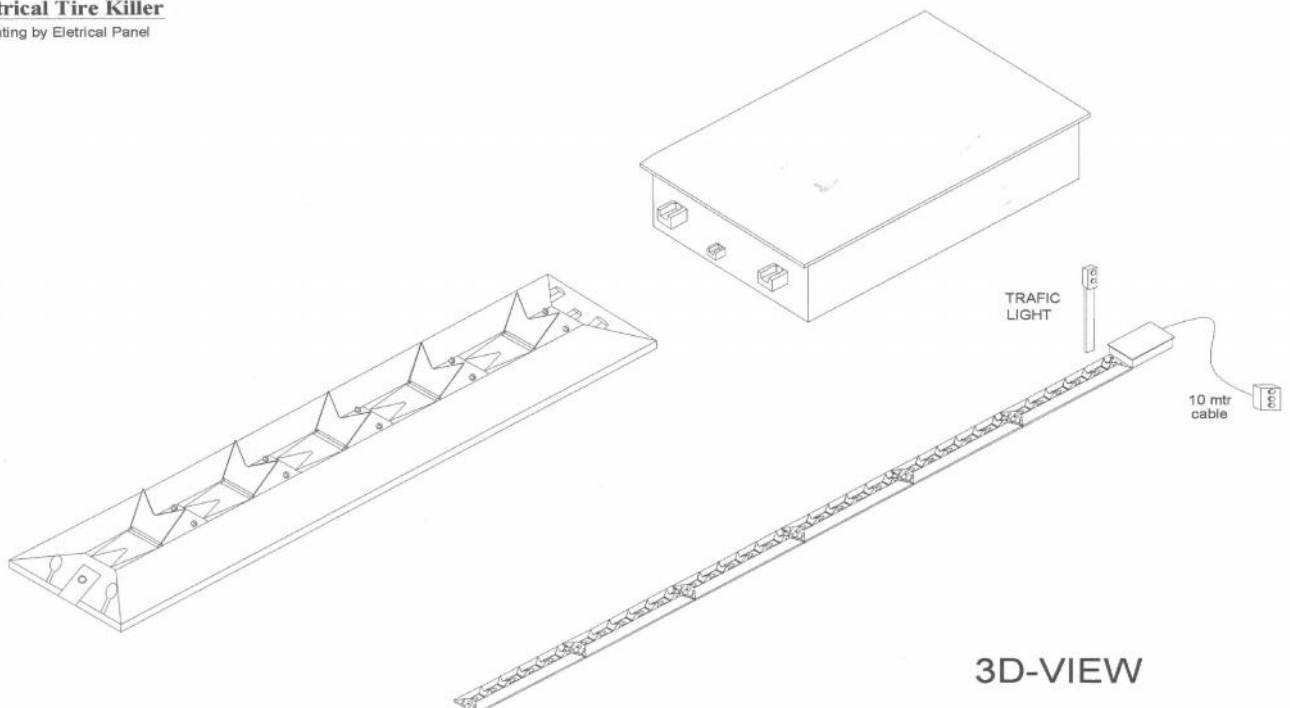


All same size

Top-view

Eletrical Tire Killer

Operating by Eletrical Panel



3D-VIEW

Spare parts



Spare Parts List

Flat type Mechanical Tire Killer Spare Parts List (ZSF-TK1001-SPARE PARTS)

- Bearing.
- Bearing Box Holder.
- Small Bearing Tension Right side mounting, (If not sure, Kindly bring sample).
- Small bearing tension left side mounting, (If not sure, kindly bring sample).
- Top plate (Specify thickness or bring sample).
- Screw for top plate.
- Cutting knives 5mm to 200, (If not sure, kindly bring sample).

Box type Mechanical Tire Killer Spare Parts List (ZSF-TK1002-SPARE PARTS)

- Bearing.
- Bearing Box Holder.
- Large bearing tension right side mounting, (If not sure, kindly bring sample).
- Large bearing tension left side mounting, (If not sure, kindly bring sample).
- Top plate (Specify thickness or bring sample).
- Screw for top plate.
- Cutting knives 5mm to 200, (If not sure, kindly bring sample).

Flat type Mechanical Tire Killer Spare Parts List (ZSF-TK1003-SPARE PARTS)

- W Shaped cutting knife (5).
- Cutting knife fixing screw (2) and mounting plate.
- Push rod 500mm.
- Swivel push rod head.
- Round head installation mount (2).
- 500mm Large aluminum cutting knife assembly and housing.
- Electrical control panel.
- Push button switch assembly.



Blocker Jaws For Stopping Small Size Vehicles



Code	Size	Price in SR/Dhs
ZSF-BJ1004	1000mm(L) x 400mm(H)	67,125
ZSF-BJ2004	2000mm(L) x 400mm(H)	70,875
ZSF-BJ3004	3000mm(L) x 400mm(H)	79,625
ZSF-BJ4004	4000mm(L) x 400mm(H)	90,052
ZSF-BJ5004	5000mm(L) x 400mm(H)	109,875
ZSF-BJ6004	6000mm(L) x 400mm(H)	129,625

This is a first of its kind, the All New Retractable Tire Killer. All devices come with Compressor. This unit is the last line of defense. It was designed, tested, and fabricated by SOFAB Manufacturing team. Max stopping capacity is 4 Tons.

Spare parts



Treaded Pin with Round End

ZSFB-SSSS00205

Price: 15 SR/Dhs

Aluminum Tire Killer Control Box

ZSFB-SSSS00206

Price: 2,984 SR/Dhs



Tire Killer Control Box

ZSFB-SSSS00207

Price: 8,937 SR/Dhs

RH Allen Screw

ZSFB-SSSS00208

Size: M5 x 10

Price: 5 SR/Dhs



RH Allen Screw

ZSFB-SSSS00209

Size: M6 x 15

Price: 5 SR/Dhs

Blade Tire Killer

ZSFB-SSSS00210

Price: 200 SR/Dhs



Spare parts

Clamping Plate w/2 holes

ZSFB-SSSS00211

Size: 12.4 x 27.5L

Price: 75 SR/Dhs





Pin w/Circlip Groove 4.5 x 34L

ZSFB-SSSS00212

Price: 145 SR/Dhs

Pin w/ tep (Conical type)

ZSFB-SSSS00213

Price: 5 SR/Dhs





Bar (Connecting rod 480 mm)

ZSFB-SSSS00214

Price: 495 SR/Dhs

Spring

ZSFB-SSSS00215

Size: 12 x 55 mm L

Price: 85 SR/Dhs





Square Washer

ZSFB-SSSS00216

Size: 25 x 25 x 1.6 mm T

Price: 74 SR/Dhs

Connecting Pin

ZSFB-SSSS00217

Price: 145 SR/Dhs

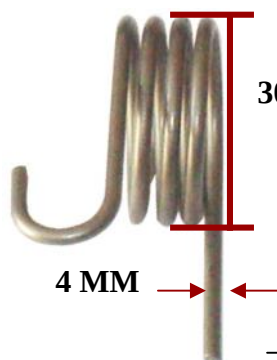


Tire Killer Spare parts



ZSF-SSSS00187

Spring For Tire Killer (Right)
ZSF-SSSS00187-R
Price: 45 SR/Dhs

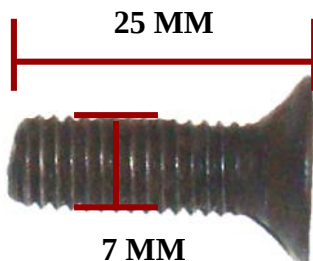
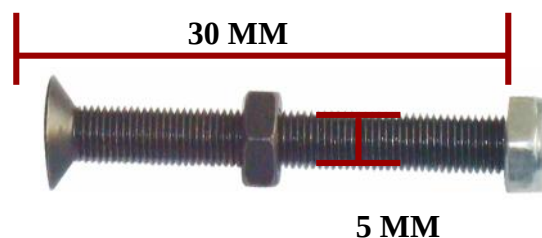


30 MM **ZSF-TIRE-K-00187-L**

Spring For Tire Killer (Left)
Price: 45 SR/Dhs

ZSF-TIRE-K-SCREW-L

**Sofab Tire Killer 8 cm Long
Screw (Allen Key)**
Price: 8 SR/Dhs

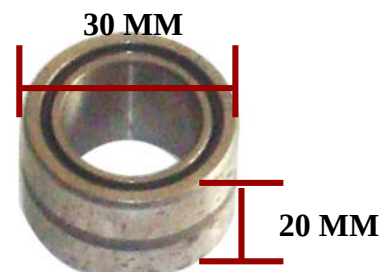


ZSF-TIRE-K-SCREW-S

**Sofab Tire Killer 2.5 cm Short
Screw (Allen Key)**
Price: 5 SR/Dhs

ZSF-TIRE-K-BEARING-NKI20-20

**Bearing NKI 20/20 For Tire
Killer**
Price: 55 SR/Dhs



Portable Tire Killer



ZSF-TP05000

SOFAB, Portable Tire Killer, Manual Deployment 4m to 7m.

This portable tire killer weighs less than 8 Kg and can be moved or positioned per the security personnel's requirement.

PRICE: 1,270 SR/Dhs



Manual Countersunk Bollards

(Don't Impact, for Traffic Control Only)

- The post is raised manually from the housing mounted flush to the ground.
- When the post is extended manually, it must be then locked in a vertical position by use of a pin socket and a lock.
- This bollard can then be manually retracted in to its ground flush housing when not in use.

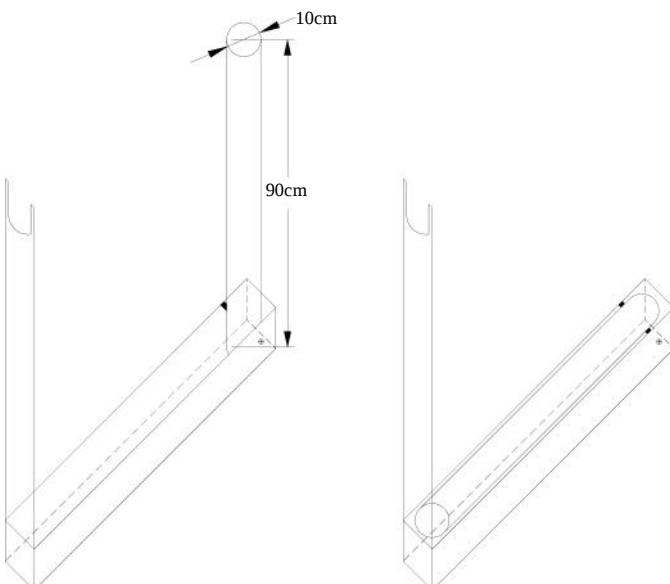
ZSF-BOLCTSUNK

Manual Counter Sunk Bollard
Height: 90cm
Dia.: 10cm
Steel thickness: 3mm

PRICE: 2,940 SR/Dhs

D.C.: / S.A.:

Material Description	Dimension: cm		
	L	W	Thk
Fold Away Bollards - Metallic cylindrical shape	200 mm dia x 750 mm height with reflector tape on top, moveable into metallic case 977 x 307 x 228 mm, grouted with concrete to the ground		



1 Year Warranty



Company Address:
Sary Street, Alrawda District,
Nueva Andalucia Executive Villas, Villa B1
P.O.Box 805
Jeddah, 21421
Saudi Arabia



Tel Line 1: +966 2 69 00 675
Tel Line 2: +966 2 69 00 244
Tel Line 3: +966 2 69 00 432
Tel Line 4: +966 2 69 00 616

Fax Line: +966 2 68 33 631
Fax Line, Alternate: +966 2 682 6351
Email: Help@sofab.net
Web: www.sofab.net

Saudi Arabia Offices, Showrooms and Warehouses:

Jeddah, Saudi Arabia:

Warehouse Fax:02-637-5457, Tel:02-068-5637
North Cornish Office/Showroom, Fax:02-6820-6351, Tel:05-5789-0616
Quraish Road, Fax:02-257-4093, Tel:02-639-6769
Junubia Office/Showroom, Fax:02-647-9492, Tel:02-647-6512
Golail Office/Showroom, Fax:02-636-0457, Tel:02-636-3631
Ghorab Office/Showroom, Fax:02-661-3639, Tel:02-669-0379
Factory Office/Showroom, Fax:02-638-0673, Tel:02-638-0670
Sanayah Office/Showroom Fax:02-655-8567, Tel:02-655-8593
Assalama Office/Showroom, Fax:02-669-4049, Tel:02-669-5227
Bab-Makkah Office/Showroom, Fax:02-643-6042, Tel:02-642-2243

Riyadh, Saudi Arabia:

Ware house, Fax:01-495-6409, Tel:01-495-6063
Ghorabi Office/Showroom, Fax:01-401-0239, Tel:01-403-4031
Malaz Office/Showroom, Fax:01-476-5657, Tel:01-479-0068
Sanayah Office/Showroom, Fax:01-447-5281, Tel:01-447-5281

Almadinah Almunawarah, Saudi Arabia:

Warehouse, Fax:04-834-4024, Tel:04-836-7074
Hara, Office/Showroom, Fax:04-835-2201, Tel:04-836-9236
Seeh Office/Showroom, Fax:04 815 7259, Tel:04-826-5190
Alhadees Office/Showroom, Fax:04-835-4928, Tel:04-835-4929

Dammam, Saudi Arabia:

Ware house, Fax:03-847-3139, Tel:03-847-3139
Show room Office/Showroom, Fax:03-834-3516, Tel:03-832-3018

Other Cities, Saudi Arabia:

Makkah Office/Showroom, Fax:02-544-2239, Tel:02-547-1027
Hafarebaten Office/Showroom, Fax:03-722-2765, Tel:03-722-2765
Khamis Mushit Office/Showroom: Fax:07-221-9486, Tel:07-223-7688
Yanbu Office/Showroom: Fax:04-391-6353, Tel:04-391-6512
Al-qassim Office/Showroom: Fax:06-325-0283, Tel:06-325-0283
Tabuk Office/Showroom: Fax:04-421-9125, Tel:04-422-2899
Jizan Office/Showroom: Fax:07-322-9149, Tel:07-322-9149
Aljouf - Office/Showroom: Fax:04-646-0854, Tel:04-646-0854
Al baha Office/Showroom: Fax:07-736-0682, Tel:07-736-0683
Gharyat Office/Showroom: Fax:04-641-7951, Tel:04-641-7947
Hail Office/Showroom: Fax:06-533-9848, Tel:06-533-9848
Najraan Office/Showroom: Fax:07-544-3894, Tel:07-544-0852

ELECTRICITY MADE SIMPLE by the late Eng. Shiek Shamsan Alsohaibi “SOFAB”
How to Select the Proper Electrical Wire Size

Power Rating		K.W	0.06	0.09	0.12	0.18	0.25	0.37	0.55	0.75	1.5	2.2	3	4	5.5	7.5	8	9	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200	220																														
		Hp	0.08	0.12	0.16	0.24	0.34	0.5	0.75	1	2	3	4	5.5	7.5	10	11	12	15	20	25	30	40	50	60	75	100	125	148.7	180	220	270	294.91																														
Voltage 220/230V 3-Phase	Full load current	A	0.50	0.70	0.80	1.20	1.50	2.1	2.8	3.6	6.8	9.6	11.5	14.5	22	28	30	32	42	54	68	80	104	130	150	192	245	312	400	425	600	630	780																														
	Cable Size	mm2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	4	6	10	10	10	16	25	25	35	50	50	70	95	150	185	185																																		
Voltage 380/400V 3-Phase	Full load current	A	0.3	0.4	0.4	0.65	0.8	0.98	1.5	2	3.5	5	6.5	8.4	11	14.8	16.5	18	21	29	35	42	57	69	81	100	135	165	200	240	285	352	388																														
	Cable Size	mm2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4	6	6	4	6	6	10	10	10	10	50	50	50	50	50	120	120	120	150	185	240	240	2x150	2x151																														
Voltage 480/500V 3-Phase	Full load current	A	0.3	0.4	0.4	0.6	0.8	1	1.21	1.5	2.6	3.8	5	6.5	9	12	13.9	15.5	18.4	23	28.5	33	45	55	65	94.5	105	129	156	187	220	281	310																														
	Cable Size	mm2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	4	4	4	6	10	10	16	25	25	35	50	50	70	95	150	150	185	185																														
KVA conversion to kW: KVA X 0.8 = KW																																	KW conversion to KVA:KW / 0.8 = KVA											W / 220V = Amps										W / 110V = Amps									
P=IxFe			I=P/E			E=P/I			P= POWER/WATT											E=VOLT										I=AMPERE																																	