

# PMA TRUST & system supports

## Introduction

For flexible and application friendly solutions. PMA offers a vast array of practical accessories in order to complete the PMA cable protection system.

We offer lock nuts produced from polyamide or metal, thread reducers and enlargers, conduit adapters, swivel adapters as well as different mounting clips for conduits. All these practical products will help to create the PMA line for our customers even more flexible and application friendly.



# PMA TRUST™


## Modular support system

For use in rolling stock applications.  
The most versatile, compact and lightest design of its kind on the market.



PMA® TRUST™ modular support system is a lightweight, compact solution with high impact resistance. Thanks to the new design, external dimensions are reduced to the very minimum and internal spacing between adjoining conduits is very small. The system is specifically designed for use in railway vehicle construction and other applications where fixation of parallel running conduits and cables is required.

Type BGPM - PMA TRUST™ modular support system

	Order no. black	Conduit size NW	No. of conduits	Nom. dimensions (mm)			PU (pcs)
				Length	Depth	Height	
	BGPM-1x10	10	1	39.5	30.0	24.5	10
	BGPM-1x12	12	1	42.5	30.0	28.0	10
	BGPM-2x12	12	2	61.0	30.0	28.0	10
	BGPM-3x12	12	3	79.5	30.0	28.0	5
	BGPM-4x12	12	4	98.0	30.0	28.0	5
	BGPM-1x17	17	1	48.0	30.0	33.0	10
	BGPM-2x17	17	2	72.5	30.0	33.0	10
	BGPM-3x17	17	3	97.0	30.0	33.0	5
	BGPM-4x17	17	4	121.5	30.0	33.0	5
	BGPM-1x23	23	1	55.0	30.0	40.0	10
	BGPM-2x23	23	2	87.0	30.0	40.0	10
	BGPM-3x23	23	3	119.0	30.0	40.0	5
	BGPM-4x23	23	4	151.0	30.0	40.0	5
	BGPM-1x29	29	1	61.0	30.0	46.0	10
	BGPM-2x29	29	2	99.5	30.0	46.0	10
	BGPM-3x29	29	3	137.5	30.0	46.0	5
	BGPM-4x29	29	4	176.0	30.0	46.0	5
	BGPM-1x36	36	1	70.0	30.0	55.0	10
	BGPM-2x36	36	2	116.5	30.0	55.0	10
	BGPM-3x36	36	3	163.0	30.0	55.0	5
	BGPM-4x36	36	4	209.5	30.0	55.0	5
	BGPM-1x48	48	1	82.0	30.0	66.0	10
	BGPM-2x48	48	1	141.0	30.0	66.0	10
	BGPM-3x48	48	3	199.5	30.0	66.0	5
	BGPM-4x48	48	4	258.5	30.0	66.0	5


For applications in rail vehicle construction and other applications where fixation of parallel running conduits and cables is required

Light weight and compact design  
Conduit rotation possible preventing torsion  
Axial fixation of conduit and/or cables  
Quick installation, possible with one hand

## PMA TRUST™ modular support system

### Type BGPM, BGPMR & BGPMK

#### Type BGPMR - PMA TRUST™ reducers

	Order no. black	Conduit size NW	Fits to multiple holder BGPM (NW)	Fits to reduction BGPMR	Depth (mm)	PU (pcs)
	BGPMR-10T/17	10	17	17	30.0	5
	BGPMR-12T/17	12	17	17	30.0	5
	BGPMR-17GT/23	17	23	23	30.0	5
	BGPMR-23GT/29	23	29	29	30.0	5
	BGPMR-29GT/36	29	36	36	30.0	5
	BGPMR-36GT/48	36	48	–	30.0	5


Reducers for BGPM modular system support for downsizing corrugated conduits

Provides axial strain relief for conduits, but allows rotation

Combination of multiple reductions possible

Easy installation

#### Type BGPMK - PMA TRUST™ cable clamping adapter

	Order no. black	Clamping range		Fits to multiple holder BGPM & reduction BGPMR (NW)	Depth (mm)	PU (pcs)
		1 fold BGPM & BGMPR	2, 3 & 4 fold BGPM & BGMPR*			
	BGPMK-10/7-3	7-3	6-4	10	30.0	5
	BGPMK-12/9-5	9-5	8-6	12	30.0	5
	BGPMK-17/15-11	15-11	14-12	17	30.0	5
	BGPMK-17/12-8	12-8	11-9	17	30.0	5
	BGPMK-23/20-16	20-16	19-17	23	30.0	5
	BGPMK-23/18-14	18-14	17-15	23	30.0	5
	BGPMK-29/25-21	25-21	24-22	29	30.0	5
	BGPMK-29/22-18	22-18	21-19	29	30.0	5
	BGPMK-36/34-30	34-30	33-31	36	30.0	5
	BGPMK-36/31-27	31-27	30-28	36	30.0	5
	BGPMK-36/28-24	28-24	27-25	36	30.0	5
	BGPMK-48/46-42	46-42	45-43	48	30.0	5
	BGPMK-48/43-39	43-39	42-40	48	30.0	5
	BGPMK-48/40-36	40-36	39-37	48	30.0	5
	BGPMK-48/37-33	37-33	36-34	48	30.0	5

\*We recommend to use cable with the slight reduced clamping range to ensure both optimum cable clamping as well as pre-assembly

Cable clamping adapters for BGPM Multiple Holders and BGPMR reduction half-shells for supporting and holding cables

Provides axial strain relief for cables


Flexible configuration in multiple holders & reductions possible

Easy installation

## System supports, half-shells


### Type VH & GN

#### Type VH - System support

	Order no. support ①	Order no. clip ①	Order no. complete ①	Fits to conduit size NW	Width x Height x Depth (mm)	Fixing screws	PU (pcs)
	BVH-17-010	BVH-17-020	BVH-17-000	17	35 x 36 x 36	6 x M5	100
	BVH-23-010	BVH-23-020	BVH-23-000	23	35 x 44 x 36	6 x M5	100
	BVH-29-010	BVH-29-020	BVH-29-000	29	46 x 52 x 40	6 x M5	100
	BVH-36-010	BVH-36-020	BVH-36-000	36	53 x 58 x 60	6 x M5	100
	BVH-48-010	BVH-48-020	BVH-48-000	48	66 x 72 x 60	6 x M5	60

For applications in machine building and installation  
 Optimal axial strain relief due to integrated rib  
 Variable fixation possible due to six holes, safe against turning  
 With safety lid suitable for overhead installation  
 High retention forces  
 PA 6

#### Type GN - Half shell

	Order no. fine profile, black	Order no. coarse profile, black	Order no. fine and coarse profile, black	Fits to conduit size NW	Outside Ø (mm)	Width (mm)	PU (pcs)
	BGN-S12T	–	–	12	26.5	34.0	50
	–	–	BGN-S17GT	17	32.0	34.0	50
	BGN-S23T	BGN-S23G	–	23	39.5	34.0	30
	–	–	BGN-S29GT	29	47.0	34.0	30
	–	–	BGN-S36GT	36	55.0	34.0	20
	BGN-S48T	BGN-S48G	–	48	66.5	34.0	20
	–	BGN-S70G	–	70	93.5	38.0	10


For conduit fixation in conjunction with beam systems, particularly in traction and machine applications  
 Fixes conduit against axial movements  
 Allows radial turning of conduit  
 Especially suitable for dynamic applications due to rounded edges  
 PA 6

① Please replace "B" for black with "S" for grey in front of the order no.

## System supports, rails for system supports

### Type FH-0, FHS & GPS

#### Type FH-0 - System support, one-piece

	Order no. black	Order no. grey	Fits to conduit size NW	Width x Height x Depth (mm)	Fixing screws	PU (pcs)
	BFH-07-0	SFH-07-0	07	17.0 x 21.5 x 20.0	1 x M4	100
	BFH-10-0	SFH-10-0	10	20.5 x 24.5 x 20.0	1 x M5	100
	BFH-12-0	SFH-12-0	12	24.0 x 27.0 x 20.0	1 x M5	100
	BFH-17-0	SFH-17-0	17	30.0 x 34.0 x 20.0	1 x M6	100
	BFH-23-0	SFH-23-0	23	38.5 x 42.0 x 20.0	1 x M6	100
	BFH-29-0	SFH-29-0	29	45.5 x 48.0 x 20.0	1 x M6	100
	BFH-36-0	SFH-36-0	36	55.5 x 56.0 x 20.0	1 x M6	50
	BFH-48-0	SFH-48-0	48	67.5 x 68.0 x 20.0	1 x M6	20


For applications in machine building and installation  
Optimal axial strain relief due to integrated rib  
Suitable for overhead installations due to safety lid  
High retention forces  
Quick mounting due to single hole fixing  
Fits to rail for system support FHS  
PA 6

#### Type FHS - Rail for system support

	Order no. black	Fits to system supports	Length x Height x Depth (mm)	PU (pcs)
FHS	BFHS-00	FH-NW-0	275.0 x 15.5 x 25.0	10
	Additional position supports or distance spacers			
	BFHS-PH	Position support with screws		20
	BFHS-PH1	Distance spacers		100

For flexible assembly of one-piece system supports and/or fixation of various conduit sizes  
Glass fibre reinforced polyamide 6  
Extremely robust construction  
High stiffness  
Positioning and distance spacers available  
Glass fibre reinforced PA6

#### Type GPS - System support, one-piece, stackable

	Order no. black	Fits to conduit size NW	Width (mm)	Height (mm)	Depth (mm)	PU (pcs)
	BGPS-12/01*	12	70.0	51.0	30.0	30
	BGPS-17	17	70.0	51.0	30.0	30
	BGPS-23	23	70.0	51.0	30.0	30
	BGPS-29	29	85.0	65.0	30.0	20
	BGPS-36	36	85.0	65.0	30.0	10
	BGPS-48	48	115.0	92.5	30.0	10
	BGPS-56	56	115.0	92.5	30.0	10


\* This size will be delivered with a half-shell insert

In railway vehicle construction, heavy machine building industry and other applications with increased mechanical requirements  
Heavy design, high retention forces. Applicable with standard metal C rails  
Clasp for easy pre-mounting and final assembly. Especially suitable for dyn. applic. due to rounded edges  
The following nominal widths can be combined for stacking: NW 12 with NW 17 + 23, NW 17 with NW 23,  
NW 29 with NW 36, NW 48 with NW 56  
Content of delivery: System support and 2 screws for securing of the lid (optional); without mounting accessories  
PA 6

## Tube clamps


### Type GL & GH

#### Type GL - Tube clamp, one-piece

	Order no. black	Fits to conduit size NW	Width (mm)	Fixing screws	PU (pcs)
	BGL-07	07	25.0	1 x M4	100
	BGL-10	10	27.0	1 x M4	100
	BGL-12	12	31.0	1 x M4	100
	BGL-17	17	39.5	1 x M5	100
	BGL-23	23	49.0	1 x M5	100
	BGL-29	29	57.0	1 x M6	100

Used in general machine and installation applications  
 Integrated rib provides axial strain relief  
 Allows turning of the conduit, thus avoiding torsion stresses  
 Pre-fixation on the conduit possible  
 PA 6

#### Type GH - Tube clamp, one-piece


	Order no. black	Thread outside NW	Width (mm)	Fixing screws	PU (pcs)
	BGH-23	23	16.0	2 x M5	50
	BGH-29	29	19.0	2 x M6	50
	BGH-36	36	24.0	2 x M6	50
	BGH-48	48	24.0	2 x M6	50
	BGH-56	56	26.0	2 x M8	10
	BGH-70	70	30.0	2 x M8	10
	BGH-95	95	30.0	2 x M8	10

Used in general machine and installation applications  
 Integrated rib provides axial strain relief  
 Allows turning of the conduit, thus avoiding torsion stresses  
 Pre-fixation on the conduit possible  
 Allows solid fixation with 2 screws  
 PA 6

## Tube clamps


### Type SGB & SGS

#### Type SGB - Tube clamp

	Order no. black	Fits to conduit size NW	Width (mm)	Fixing screws	PU (pcs)
	SGB-07	07	13.0	1 x M4	100
	SGB-09	10	13.0	1 x M4	100
	SGB-11	12	13.0	1 x M4	100
	SGB-16	17	16.0	1 x M5	100
	SGB-21	23	16.0	1 x M5	50
	SGB-29	29	19.0	1 x M6	30
	SGB-36	36	19.0	1 x M6	20
	SGB-48	48	19.0	1 x M6	20

For fixation of static conduits  
 Galvanized steel  
 Elastomer profile (EPDM) free from halogens  
 Smooth connection to PMA conduits  
 Good resistance to ozone and ageing  
 Temperature range: -40°C to +120°C

#### Type SGS - Tube clamp

	Order no. black	Fits to conduit size NW	Width x Height x Depth (mm)	Fixing screws	PU (pcs)
	SGS-36	36	80.0 x 48.0 x 19.0	2 x M6	20
	SGS-48	48	94.0 x 58.0 x 19.0	2 x M6	20
	SGS-56	56	118.0 x 72.0 x 24.0	2 x M8	10
	SGS-70	70	130.0 x 85.0 x 24.0	2 x M8	10
	SGS-95	95	156.0 x 110.0 x 24.0	2 x M8	10
	SGS-125	125	200.0 x 152.0 x 24.0	2 x M8	10

For fixation of static conduits  
 Galvanized steel  
 Elastomer profile (EPDM) free from halogens  
 Smooth connection to PMA conduits  
 Good resistance to ozone and ageing  
 Temperature range: -40°C to +120°C  
 Galvanized steel/EPDM