



PMA offers a vast array of practical accessories in order to complete the PMA cable protection system

PMA提供了多样化的配件以满足PMA电缆保护系统的需求



AFN2 universal safety clips

Pre-installed in the IP66 and IP68GT range of connectors
Allow for a quick and easy connection to PMAFLEX conduits
by just pushing the conduit into the connector.

AFN2 通用安全型夹子

预先安装在IP66和IP68GT系列的管接头内
使软管安装简单、迅速、只需将软管推入管接头内即可。

Order No. IP66, dark grey 订货号 IP66, 深灰色	Fits to conduit size NW 适配软管尺寸 标称内径	Fits to profile 适配软管波纹	Dimensions width 尺寸 宽	Dimensions length 尺寸 长	Dimensions thickness 尺寸 厚
AFN2-07GT	07	G + T	14.0	14.0	7.0
AFN2-10GT	10	G + T	17.5	17.0	8.0
AFN2-12GT	12	G + T	20.5	20.0	7.3
AFN2-17GT	17	G + T	26.5	22.0	8.0
AFN2-23GT	23	G + T	34.0	27.5	11.8
AFN2-29GT	29	G + T	40.5	32.0	11.8
AFN2-36GT	36	G + T	50.0	39.0	9.5
AFN2-48GT	48	G + T	62.0	47.0	9.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.26993
要了解详细技术规格, 请索取“技术数据表”DB-Nr.26993

unit = mm
单位 = mm



- High-grade formulated polyamide
- Provides reliable fixation of PMA conduits within PMA IP68 fittings
- Allows simple push-in assembly of PMA conduits
- Provides reliable connection between conduit and fitting with high retention force
- Can be easily re-opened with a screwdriver
- Self-extinguishing
- Free from halogens and cadmium
- Fits both conduit profiles-fine (T) and coarse (G)
- Temperature range: -40°C to +105°C; Short-term: +160°C

- 高级配方聚酰胺制成
- 为PMA软管与PMA IP68管接头提供可靠固定
- 允许PMA软管“推入”的简易安装
- 为软管与管接头之间提供高度安全的连接
- 可以很容易地用螺丝刀多次开启
- 自熄灭性好
- 不含卤素和镉
- 适用软管类型-细波纹 (T) 和粗波纹 (G)
- 温度范围: -40°C 至 +105°C; 短期温度 +160°C

OVN2 oval clips

Used to secure the conduit within the PMAFIX connectors
and distributors by easy installation by hand
Thus connections with a high degree of safety are possible.

OVN2 椭圆型夹子

用手轻易地把软管固定在PMAFIX系列管接头和三通管
接头上
这种加强型夹子使连接安全可靠。

Order No. IP68, dark grey 订货号 IP68, 深灰色	Fits to conduit size NW 适配软管尺寸 标称内径	Fits to profile 适配软管波纹	Dimensions width 尺寸 宽	Dimensions length 尺寸 长	Dimensions thickness 尺寸 厚
OVN2-07	07	G + T	14.0	14.0	6.0
OVN2-10	10	G + T	17.5	17.0	7.0
OVN2-12	12	G + T	21.0	19.0	6.0
OVN2-17	17	G + T	26.5	22.5	7.0
OVN2-23	23	G + T	34.0	27.5	10.5
OVN2-29	29	G + T	40.5	32.0	10.5
OVN2-36	36	G + T	49.5	39.0	8.5
OVN2-48	48	G + T	62.0	47.0	8.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.26994
要了解详细技术规格, 请索取“技术数据表”DB-Nr.26994

unit = mm
单位 = mm



- High-grade formulated polyamide
- Provides reliable fixation of PMA conduits within PMA IP68 fittings
- Easy installation
- provides connection with a high degree of safety between conduit and fitting
- Can be easily re-opened with a screwdriver
- Self-extinguishing
- Free from halogens and cadmium
- Fits both conduit profiles-fine (T) and coarse (G)
- Temperature range: -40°C to +105°C; Short-term: +160°C

- 高级配方聚酰胺制成
- 为PMA软管与PMA IP68管接头提供可靠固定
- 易于安装
- 为软管与管接头之间提供高度安全的连接
- 可以很容易地用螺丝刀多次开启
- 自熄灭性好
- 不含卤素和镉
- 适用软管类型-细波纹 (T) 和粗波纹 (G)
- 温度范围: -40°C 至 +105°C; 短期温度 +160°C



- High-grade formulated polyamide 6, extremely shock resistant
- Self-extinguishing
- Free from halogens and cadmium
- Based on PMAFIX/PMAFLEX system with ingress protection of IP68
- Additional protection against water jet impact - increase to IP69
- Increased ingress protection of PMAFIX systems up to IP69
- Two-piece water impact protection with click cap
- Possible for subsequent installation, high retention forces
- Optimal fixation due to integrated rib
- Groove for additional fixation
- Fits to all PMAFLEX conduit profiles
- **Temperature range:** -45°C to +105°C; **Short-term:** +160°C

- 高级特殊配方聚酰胺6制成，极耐冲击
- 自熄灭性好
- 不含卤素和镉
- 基于PMAFLEX/PMAFLEX连接处IP68的防护系统
- 增加防护重压喷射，高达IP69
- 增加对PMAFIX系统的保护等级，最高可达到IP69
- 两件式抗水压冲击防护垫圈
- 允许后续安装，高保持力
- 集成的肋状设计，从而达到最佳固定效果
- 附加固定用凹槽
- 适用于所有类型的PMAFLEX软管
- 温度范围：-45°C 至 +105°C；短期温度 +160°C



- High-grade, specially formulated polyamide 6, 30% glass fibre reinforced
- High tightening torques
- Safe system connection
- Very good chemical properties
- Free from halogens and cadmium
- **Temperature range:** -40°C to +105°C; **Short-term:** +160°C

- 高级，特殊配方聚酰胺6，30%的玻璃纤维加强型制成
- 高扭转力矩
- 安全可靠的连接
- 非常良好的化学性能
- 不含卤素和镉
- 温度范围：-40°C 至 +105°C；短期温度：+160°C

IP69

WPS *water impact protections*

Increased protection of PMAFIX fittings against water jet impact for increased ingress protection requirements regarding high pressure/steam jet cleaning.

WPS 防水压冲击保护垫圈

增加PMAFIX管接头对射水流冲击的保护
对于高压蒸汽喷射清洗中提高防护等级的要求。

Order No. black 订货号 黑色	Fits to conduit size NW 适配软管尺寸 标称内径	Fits to profile 适配软管波纹	Outside diameter 尺寸 长	Dimensions thickness 尺寸 厚度
WPS-NW 10	10	G + T	22.0	8.0
WPS-NW 12	12	G + T	26.0	8.0
WPS-NW 17	17	G + T	33.0	8.0
WPS-NW 23	23	G + T	40.0	9.0
WPS-NW 29	29	G + T	47.0	9.5
WPS-NW 36	36	G + T	59.0	10.0
WPS-NW 48	48	G + T	71.0	10.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.39000
要了解详细技术规格，请索取“技术数据表”DB-Nr.39000

*unit = mm
单位 = mm*

MN *hexagonal lock nuts, metric*

MN 六角型锁紧螺母，公制螺纹

Order No. black 订货号 黑色	Order No. grey 订货号 灰色	Fits to thread metric 适配螺纹 公制	Wrench size 对边距	Dimensions height 尺寸 高
BMN-M12	GMN-M12	M12x1.5	17.0	5.0
BMN-M16	GMN-M16	M16x1.5	22.0	5.0
BMN-M20	GMN-M20	M20x1.5	27.0	5.6
BMN-M25	GMN-M25	M25x1.5	32.0	6.0
BMN-M32	GMN-M32	M32x1.5	41.0	7.0
BMN-M40	GMN-M40	M40x1.5	50.0	7.0
BMN-M50	GMN-M50	M50x1.5	60.0	8.0
BMN-M63	GMN-M63	M63x1.5	75.0	8.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60512
要了解详细技术规格，请索取“技术数据表”DB-Nr.60512

*unit = mm
单位 = mm*

MN hexagonal lock nuts, PG**MN** 六角型锁紧螺母, PG螺纹

Order No. black 订货号 黑色	Order No. grey 订货号 灰色	Fits to thread PG 适配螺纹 PG	Wrench size 对边距	Dimensions height 尺寸 高
BMN-07	GMN-07	07	19.0	5.0
BMN-09	GMN-09	09	22.0	5.0
BMN-11	GMN-11	11	24.0	5.0
BMN-13	GMN-13	13.5	27.0	6.0
BMN-16	GMN-16	16	30.0	6.0
BMN-21	GMN-21	21	36.0	7.0
BMN-29	GMN-29	29	46.0	7.0
BMN-36	GMN-36	36	60.0	8.0
BMN-48	GMN-48	48	70.0	8.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60510
要了解详细技术规格, 请索取“技术数据表”DB-Nr.60510

unit = mm
单位 = mm



- High-grade, specially formulated polyamide 6, 30% glass fibre reinforced
- High tightening torques
- Safe system connection
- Very good chemical properties
- Free from halogens and cadmium
- Temperature range: -40°C to +105°C; Short-term: +160°C

- 高级, 特殊配方聚酰胺6, 30%的玻璃纤维加强型制成
- 高扭转力矩
- 安全可靠的连接
- 非常良好的化学性能
- 不含卤素和镉
- 温度范围: -40°C 至 +105°C; 短期温度: +160°C

MN hexagonal lock nuts, GAS**MN** 六角型锁紧螺母, GAS螺纹

Order No. black 订货号 黑色	Fits to thread Gas 适配螺纹 Gas	Wrench size 对边距	Dimensions height 尺寸 高	MOQ(pcs) 最小起订量
# BMN-G01	G 3/8"	24.0	5.0	300
BMN-G02	G 1/2"	27.0	6.0	—
BMN-G04	G 3/4"	36.0	7.0	—

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60511
要了解详细技术规格, 请索取“技术数据表”DB-Nr.60511

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm



- High-grade, specially formulated polyamide 6, 30% glass fibre reinforced
- High tightening torques
- Safe system connection
- Very good chemical properties
- Free from halogens and cadmium
- Temperature range: -40°C to +105°C; Short-term: +160°C

- 高级, 特殊配方聚酰胺6, 30%的玻璃纤维加强型制成
- 高扭转力矩
- 安全可靠的连接
- 非常良好的化学性能
- 不含卤素和镉
- 温度范围: -40°C 至 +105°C; 短期温度: +160°C



- High-grade, specially formulated polyamide 6
- Simple application and installation
- For use in addition to and not instead of a fixing nut
- Excellent chafing characteristics
- Very good chemical properties
- Free from halogens and cadmium
- **Temperature range:** -40°C to +105°C; **Short-term:** +160°C

- 高级，特殊配方聚酰胺6制成
- 简便的应用和安装
- 配合螺母使用，但不能代替螺母
- 非常良好的防磨特性
- 非常良好的化学性能
- 不含卤素和镉
- 温度范围：-40°C 至 +105°C；短期温度：+160°C

KN Anti-Abrasion Lock Nut

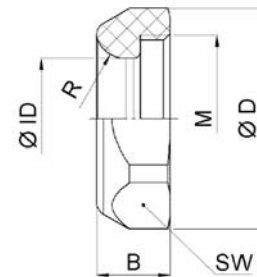
Enlarged internal outlet radius to avoid sharp bends and/or abrasion of cables particularly in applications with increased mechanical requirements such as railway engineering.

KN 耐磨锁紧螺母

扩大内部出口半径，以避免电缆出现急弯和/或磨损。尤其应用在机械性能要求较高的场合，如铁路工程。

Order No. black 订货号 黑色	Thread metric 螺纹 公制	Thread length 螺纹 长度	Dimensions				
			B	Ø ID	Ø D	R	SW
			尺寸				
BKN-M16	M16x1.5	4.5	10.5	9.4	21.0	4.5	19
BKN-M20	M20x1.5	4.5	10.5	13.5	26.0	4.5	24
BKN-M25	M25x1.5	4.5	11.0	18.0	33.0	4.5	30
BKN-M32	M32x1.5	5.0	12.0	24.0	39.0	5.0	36
BKN-M40	M40x1.5	5.0	12.5	32.0	50.0	5.5	46

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60513
要了解详细技术规格，请索取“技术数据表”DB-Nr.60513



unit = mm
单位 = mm



- High-grade, specially formulated polyamide 6
- Simple application and installation
- For use in addition to and not instead of a fixing nut
- Excellent chafing characteristics
- Very good chemical properties
- Free from halogens and cadmium
- **Temperature range:** -40°C to +105°C; **Short-term:** +160°C

- 高级，特殊配方聚酰胺6制成
- 简便的应用和安装
- 配合螺母使用，但不能代替螺母
- 非常良好的防磨特性
- 非常良好的化学性能
- 不含卤素和镉
- 温度范围：-40°C 至 +105°C；短期温度：+160°C

KN/T Divisible Anti-Abrasion Lock Nut with enlarged internal radius

Enlarged internal outlet radius to avoid sharp bends and/or abrasion of cables particularly in applications with increased mechanical requirements such as railway engineering.
For retrofit installations and repairs.

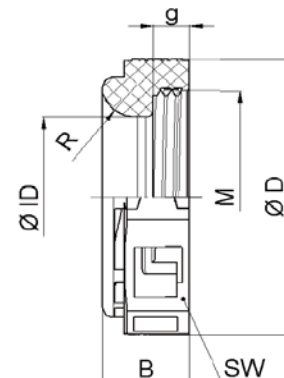
KN/T 可分耐磨锁紧螺母 扩大内半径

扩大内部出口半径，以避免电缆出现急弯和/或磨损。尤其应用在机械性能要求较高的场合，如铁路工程。用于改装、安装和维修。

Order No. black 订货号 黑色	Thread metric 螺纹 公制	Thread length 螺纹 长度	Dimensions					MOQ(pcs) 最小起订量
			B	Ø ID	Ø D	R	SW	
			尺寸					
# BKN/T-M32	M32x1.5	5.0	12.0	24.0	44.0	5.0	41	500
# BKN/T-M40	M40x1.5	5.0	12.5	32.0	54.0	5.5	50	500
# BKN/T-M50	M50x1.5	6.0	14.5	39.5	64.0	6.0	60	500

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60514
要了解详细技术规格，请索取“技术数据表”DB-Nr.60514

标记为 # 的产品有最小起订量 (MOQ)



unit = mm
单位 = mm

MM hexagonal lock nuts, metric, metal

MM 六角型锁紧螺母, 公制螺纹, 金属

Order No. metal 订货号 金属	Fits to thread metric 适配螺纹 公制	Wrench size 对边距	Dimensions height 尺寸 高
GMM-M12	M12x1.5	15.0	2.8
GMM-M16	M16x1.5	19.0	2.8
GMM-M20	M20x1.5	24.0	3.0
GMM-M25	M25x1.5	30.0	3.5
GMM-M32	M32x1.5	36.0	4.0
GMM-M40	M40x1.5	46.0	5.0
GMM-M50	M50x1.5	60.0	5.0
GMM-M63	M63x1.5	70.0	6.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60012
 要了解详细技术规格, 请索取“技术数据表”DB-Nr.60012

unit = mm
 单位 = mm



- Brass galvanically nickel-plated
- Maximum possible torque
- Safe system connection

- 黄铜镀镍制成
- 最大扭转力矩
- 安全可靠地连接

MM hexagonal lock nuts, PG, metal

MM 六角型锁紧螺母, PG螺纹, 金属

Order No. metal 订货号 金属	Fits to thread PG 适配螺纹 PG	Wrench size 对边距	Dimensions height 尺寸 高
GMM-07	07	15.0	2.8
GMM-09	09	18.0	2.8
GMM-11	11	21.0	3.0
GMM-13	13.5	23.0	3.0
GMM-16	16	26.0	3.0
GMM-21	21	32.0	3.5
GMM-29	29	41.0	4.0
GMM-36	36	51.0	5.0
GMM-42	42	60.0	5.0
GMM-48	48	64.0	5.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60010
 要了解详细技术规格, 请索取“技术数据表”DB-Nr.60010

unit = mm
 单位 = mm



- Brass galvanically nickel-plated
- Maximum possible torque
- Safe system connection

- 黄铜镀镍制成
- 最大扭转力矩
- 安全可靠地连接



- Nickel-plated brass
- Reduction of threaded or clearance holes to smaller thread sizes
- External thread includes an O-Ring (Hexagonal design)
- Temperature range: -60°C to +200°C
- 黄铜镀镍制成
- 缩减螺纹或开孔适合较小螺纹尺寸
- 外螺纹带O型圈（六角形系列）
- 温度范围：-60°C 至 +200°C

MR reducers, metric, brass

Used to reduce metric threads
Available in round and hexagonal form.

MR 减缩器，公制螺纹，黄铜制

用于减缩公制螺纹
提供圆形和六角环形设计。

Order No. metal, round 订货号 金属 圆形	Order No. metal, hexagonal 订货号 金属 六角形	Thread outside metal 外螺纹 公制	Thread inside metal 内螺纹 公制	MOQ(pcs) 最小起订量
M16M12M	M16M12M / 6	M16 x 1.5	M12 x 1.5	—
M20M12M	M20M12M / 6	M20 x 1.5	M12 x 1.5	—
M20M16M	M20M16M / 6	M20 x 1.5	M16 x 1.5	—
M25M16M	M25M16M / 6	M25 x 1.5	M16 x 1.5	—
M25M20M	M25M20M / 6	M25 x 1.5	M20 x 1.5	—
M32M20M	M32M20M / 6	M32 x 1.5	M20 x 1.5	—
M32M25M	M32M25M / 6	M32 x 1.5	M25 x 1.5	—
M40M25M	M40M25M / 6	M40 x 1.5	M25 x 1.5	—
M40M32M	M40M32M / 6	M40 x 1.5	M32 x 1.5	—
M50M32M	# M50M32M / 6	M50 x 1.5	M32 x 1.5	10
M50M40M	M50M40M / 6	M50 x 1.5	M40 x 1.5	—
# M63M40M	# M63M40M / 6	M63 x 1.5	M40 x 1.5	10
M63M50M	# M63M50M / 6	M63 x 1.5	M50 x 1.5	10

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60003 / 60004
要了解详细技术规格，请索取“技术数据表” DB-Nr.60003 / 60004

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm



- Nickel-plated brass
- Reduction of threaded or clearance holes to smaller thread sizes
- External thread includes an O-Ring (Hexagonal design)
- Temperature range: -60°C to +200°C
- 黄铜镀镍制成
- 缩减螺纹或开孔适合较小螺纹尺寸
- 外螺纹带O型圈（六角形系列）
- 温度范围：-60°C 至 +200°C

MR reducers, PG, brass

Used to reduce PG threads.

MR 减缩器，PG螺纹，黄铜制

用来减缩PG螺纹。

Order No. metal, round 订货号 金属 圆形	Thread outside PG 外螺纹 PG 螺纹长度	Thread inside PG 内螺纹 PG	Outside diameter 外径	Dimensions total length 尺寸 总长度	MOQ(pcs) 最小起订量
0907M	09 6.0	07	17.0	8.5	—
# 1107M	11 6.0	07	20.0	8.5	100
1109M	11 6.0	09	20.0	8.5	—
# 1307M	13.5 6.5	07	22.0	9.0	200
# 1309M	13.5 6.5	09	22.0	9.0	500
# 1311M	13.5 6.5	11	22.0	9.0	100
# 1607M	16 6.5	07	24.0	9.5	240
# 1609M	16 6.5	09	24.0	9.5	1200
# 1611M	16 6.5	11	24.0	9.5	50
# 1613M	16 6.5	13.5	24.0	9.5	1300
# 2111M	21 7.0	11	30.0	10.0	10
# 2113M	21 7.0	13.5	30.0	10.0	10
# 2116M	21 7.0	16	30.0	10.0	800
# 2916M	29 8.0	16	39.0	11.5	10
# 2921M	29 8.0	21	39.0	11.5	10
# 3621M	36 9.0	21	50.0	12.5	10
# 3629M	36 9.0	29	50.0	12.5	10
# 4229M	42 10.0	29	57.0	14.0	960
# 4236M	42 10.0	36	57.0	14.0	2000
# 4836M	48 10.0	36	64.0	14.0	400
# 4842M	48 10.0	42	64.0	14.0	300

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60001
要了解详细技术规格，请索取“技术数据表” DB-Nr.60001

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm

NR reducers, PG, polyamide

Used to reduce connecting threads.

NR 减缩器，PG螺纹，聚酰胺

用于减缩管接头螺纹。

Order No. light grey 订货号 浅灰色	Thread outside PG 外螺纹 PG	Thread inside PG 内螺纹 PG	Outside diameter 外径	Dimensions total length 尺寸 总长度	MOQ(pcs) 最小起订量
1109N	11	09	24.5	22.5	—
# 1309N	13.5	09	26.0	15.0	300
# 1311N	13.5	11	26.0	24.0	10
# 1609N	16	09	29.0	16.0	100
# 1611N	16	11	29.0	16.0	50
# 1613N	16	13.5	29.0	27.0	1000
# 2113N	21	13.5	35.5	16.0	10
# 2116N	21	16	35.5	16.0	800
# 2921N	29	21	43.0	17.0	10
# 3629N	36	29	54.0	24.0	1440

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60005
要了解详细技术规格，请索取“技术数据表”DB-Nr.60005

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm



- Polyamide glass fibre reinforced
- Temperature range: -30°C to +100°C
- 玻璃纤维加强型聚酰胺制成
- 温度范围：-30°C 至 +100°C



- Nickel-plated brass
- For enlargement of an existing thread
- 黄铜镀镍制成
- 适用于扩大现有螺纹

ME enlargers, metric, brass

Used to enlarge metric threads
Easy mounting, equipped with hexagonal ring.

ME 增扩器, 公制螺纹, 黄铜制

用于扩大公制螺纹
其六角环形设计, 使安装更简易。

Order No. metal, hexagonal 订货号 金属 六角形	Thread outside metric length 外螺纹 公制 螺纹长度	Thread inside metric length 内螺纹 公制 螺纹长度	Dimensions total length 总长度	Wrench size 对边矩	MOQ(pcs) 最小起订量
M12M16M	M12 x 1.5 5.0	M16 x 1.5 7.0	16.0	18	—
M16M20M	M16 x 1.5 5.0	M20 x 1.5 7.5	16.5	22	—
M20M25M	M20 x 1.5 6.0	M25 x 1.5 8.0	18.5	27	—
M25M32M	M25 x 1.5 7.0	M32 x 1.5 9.0	20.5	34	—
M32M40M	M32 x 1.5 8.0	M40 x 1.5 10.0	23.5	42	—
M40M50M	M40 x 1.5 8.0	M50 x 1.5 13.0	30.0	52	—
#M50M63M	M50 x 1.5 9.0	M63 x 1.5 16.0	32.5	65	10

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60002
要了解详细技术规格, 请索取“技术数据表” DB-Nr.60002

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm



- Nickel-plated brass
- For enlargement of an existing thread
- 黄铜镀镍制成
- 适用于扩大现有螺纹

ME enlargers, PG, brass

Used to enlarge PG threads.

ME 增扩器, PG螺纹, 黄铜制

用于扩大PG螺纹。

Order No. metal, round 订货号 金属 圆形	Thread outside PG length 外螺纹 PG 螺纹长度	Thread inside PG length 内螺纹 PG 螺纹长度	Outside diameter 外径	Dimensions total length 尺寸 总长度	MOQ(pcs) 最小起订量
0709M	07 5.0	09 7.0	17.0	15.0	—
0911M	09 6.0	11 7.0	20.0	16.5	—
#0913M	09 6.0	13.5 7.5	22.0	17.5	100
#1113M	11 6.0	13.5 8.0	22.0	17.5	100
#1116M	11 6.5	16 8.5	24.0	19.0	100
#1121M	11 6.5	21 10.0	30.0	21.0	800
#1316M	13.5 6.5	16 7.5	24.0	19.0	10
#1321M	13.5 6.5	21 8.5	30.0	21.0	10
#1621M	16 6.5	21 8.5	30.0	21.0	1400
#1629M	16 6.5	29 11.0	39.0	22.5	1200
#2129M	21 7.0	29 11.5	39.0	23.0	10
#2936M	29 8.0	36 12.0	50.0	27.5	10
#4248M	42 10.0	48 17.0	64.0	33.0	10

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60000
要了解详细技术规格, 请索取“技术数据表” DB-Nr.60000

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm

NVN3 sealing caps, reinforced, IP68

In connection with PMAFIX connectors ("V" series) and PMAFLEX corrugated conduits.

NVN3 密封圈，加强型，防护等级 IP68

用于PMAFIX系列型管接头 ("V" 系列) 和PMA软管的连接。

Order No. black 订货号 黑色	Fits to conduit size NW 适配软管尺寸 标称内径	Dimensions length 尺寸 长度
NVN3-07	07	9.0
NVN3-09	10	9.0
NVN3-11	12	12.0
NVN3-16	17	16.5
NVN3-21	23	13.0
NVN3-29	29	14.0
NVN3-36	36	17.5
NVN3-48	48	17.5
NVN3-56	56	24.5
NVN3-70	70	28.0
NVN3-95	95	28.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.40071
要了解详细技术规格，请索取“技术数据表” DB-Nr.40071

unit = mm
单位 = mm



- Specially modified polyester elastomer
- Suitable for sealing
- Free from halogens and cadmium
- Fits both conduit profiles - fine (T) and coarse (G)
- Temperature range: -40°C to +105°C
- 特殊改良聚酯弹性体制成
- 适用于密封
- 不含卤素和镉
- 适用软管类型 - 细波纹 (T) 和粗波纹 (G)
- 温度范围: -40°C 至 +105°C

NFN3 sealing caps, IP67

In connection with PMAFIX connectors ("F" series) and PMAFLEX corrugated conduits.

NFN3 密封圈，防护等级 IP67

用于PMAFIX系列型管接头 ("F" 系列) 和PMA软管的连接。

Order No. white 订货号 白色	Fits to conduit size NW 适配软管尺寸 标称内径	Dimensions length 尺寸 长度
NFN3-07	07	9.0
NFN3-09	10	9.0
NFN3-11	12	9.0
NFN3-16	17	9.0
NFN3-21	23	9.0
NFN3-29	29	9.0
NFN3-36	36	11.0
NFN3-48	48	11.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.40065
要了解详细技术规格，请索取“技术数据表” DB-Nr.40065

unit = mm
单位 = mm



- Specially modified polyester elastomer
- Suitable for sealing
- Free from halogens and cadmium
- Fits both conduit profiles - fine (T) and coarse (G)
- Temperature range: -40°C to +105°C
- 特殊改良聚酯弹性体制成
- 适用于密封
- 不含卤素和镉
- 适用软管类型 - 细波纹 (T) 和粗波纹 (G)
- 温度范围: -40°C 至 +105°C



- Very good weathering and temperature resistance
- For PMAFIX system with flange 90° elbow (VOV, VOD), nominal widths 17 - 48
- For PMAGRIP system with flange 90° elbow (GOV, GO) and straight (GGV, GG), nominal widths 56 - 125
- Up to IP68 with PMAFIX flange system
- Up to IP67 with PMAGRIP flange system
- Temperature range: -40°C to +120°C
- 非常好的耐候性和耐热性
- 适配带法兰90°弯头 (VOV, VOD) 的PMAFIX系列, 标称内径为17 - 48
- 适配带法兰90°弯头 (GOV, GO) 和直头 (GGV, GG) 的PMAGRIP系列, 标称内径为56 - 125
- 适配PMAFIX法兰系列, 防护等级达到IP68
- 适配PMAGRIP法兰系列, 防护等级达到IP67
- 温度范围: -40°C 至 +120°C

FG04 flange seal

EPDM cellular rubber.

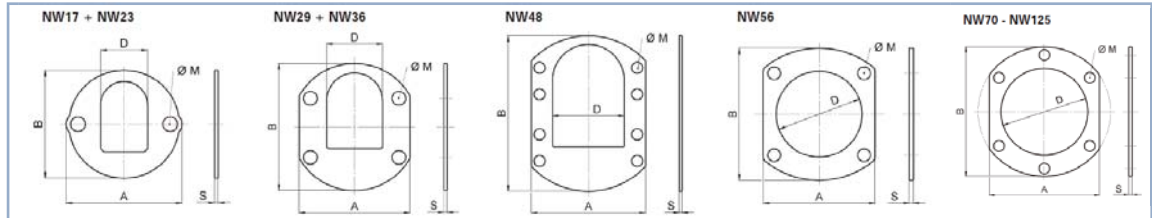
FG04 法兰密封圈

EPDM多孔性橡胶。

Order No. black 订货号 黑色	Fits to conduit size NW metric 适配软管尺寸 标称内径 公制		Dimensions				
	A	B	D	ØM	S	尺寸	
FG04-17	17	20	47.0	45.0	21.5	2 x 7.3	2.0
FG04-23	23	25	66.0	62.0	27.0	2 x 8.4	2.0
FG04-29	29	32	67.5	77.5	34.0	4 x 8.4	2.0
FG04-36	36	40	86.0	87.5	41.7	4 x 8.4	2.0
FG04-48	48	50	86.0	117.0	54.0	8 x 8.4	2.0
FG04-56	56	68	82.0	97.0	63.0	4 x 9.4	3.0
FG04-70	70	80	97.0	114.0	76.5	6 x 9.4	3.0
FG04-95	95	106	126.0	146.0	104.0	6 x 9.4	3.0
FG04-125	125	146	-	Ø194.0	142.0	6 x 9.4	3.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50020
要了解详细技术规格, 请索取“技术数据表”DB-Nr.50020

unit = mm
单位 = mm



- Very good resistance against oils
- For PMAFIX system with flange 90° elbow (VOV, VOD), nominal widths 17 - 48
- For PMAGRIP system with flange 90° elbow (GOV, GO) and straight (GGV, GG), nominal widths 56 - 125
- Up to IP68 with PMAFIX flange system
- Up to IP67 with PMAGRIP flange system
- Temperature range: -25°C to +70°C
- 非常良好的防油化学性能
- 适配带法兰90°弯头 (VOV, VOD) 的PMAFIX系列, 标称内径为17 - 48
- 适配带法兰90°弯头 (GOV, GO) 和直头 (GGV, GG) 的PMAGRIP系列, 标称内径为56 - 125
- 适配PMAFIX法兰系列, 防护等级达到IP68
- 适配PMAGRIP法兰系列, 防护等级达到IP67
- 温度范围: -25°C 至 +70°C

FG04/01 flange seal

NBR nitrile rubber.

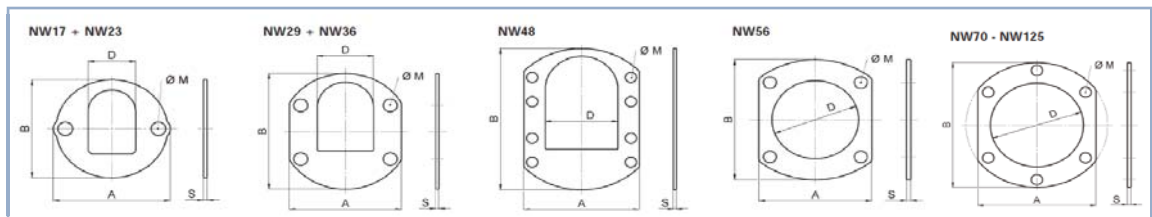
FG04/01 法兰密封圈

NBR丁腈橡胶。

Order No. black 订货号 黑色	Fits to conduit size NW metric 适配软管尺寸 标称内径 公制		Dimensions				
	A	B	D	ØM	S	尺寸	
FG04-17/01	17	20	47.0	45.0	21.5	2 x 7.3	2.0
FG04-23/01	23	25	66.0	62.0	27.0	2 x 8.4	2.0
FG04-29/01	29	32	67.5	77.5	34.0	4 x 8.4	2.0
FG04-36/01	36	40	86.0	87.5	41.7	4 x 8.4	2.0
FG04-48/01	48	50	86.0	117.0	54.0	8 x 8.4	2.0
FG04-56/01	56	68	82.0	97.0	63.0	4 x 9.4	3.0
FG04-70/01	70	80	97.0	114.0	76.5	6 x 9.4	3.0
FG04-95/01	95	106	126.0	146.0	104.0	6 x 9.4	3.0
FG04-125/01	125	146	-	Ø194.0	142.0	6 x 9.4	3.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50025
要了解详细技术规格, 请索取“技术数据表”DB-Nr.50025

unit = mm
单位 = mm



BDR thread spacer ring

Where threads have to be shortened without reducing IP values.

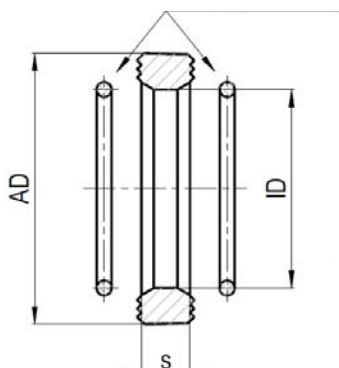
BDR 螺纹隔离环

在IP等级不变的情况下，可用于缩短螺纹。

Order No. black 订货号 黑色	Thread PG 螺纹 PG	Dimensions			MOQ(pcs) 最小起订量
		AD	ID 尺寸	S	
# BDR-P09	09	20.0	15.5	6.0	500
# BDR-P11	11	26.0	18.9	6.0	500
# BDR-P13.5	13.5	33.0	20.7	6.5	600
# BDR-P16	16	33.0	22.8	6.5	700
# BDR-P21	21	39.0	28.6	7.0	600
# BDR-P29	29	50.0	37.3	6.0	300
# BDR-P36	36	59.0	47.3	8.0	300
# BDR-P48	48	71.0	59.6	7.0	300

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60600
要了解详细技术规格，请索取“技术数据表”DB-Nr.60600

标记为 # 的产品有最小起订量 (MOQ)



unit = mm
单位 = mm



- High-grade, specially formulated polyamide 6
- Extremely high impact resistance
- Easy installation
- Very good chemical properties
- Free from halogens and cadmium
- Temperature range: -40°C to +105°C; Short-term: +160°C

- 高级，特殊配方聚酰胺6制成
- 极高的抗冲击能力
- 易于安装
- 非常良好的化学性能
- 不含卤素和镉
- 温度范围：-40°C 至 +105°C；短期温度：+160°C

XMR marking ring

On PMA conduits with nominal width 70 where conduit marking is necessary.

XMR 标识圈

必要时用于标记在标称内径70mm软管。

Order No. red / yellow / white 订货号 红色 / 黄色 / 白色	Conduit size NW 软管 标称内径	Dimensions thickness 尺寸 厚度	Packing unit 包装量	MOQ (pcs) 最小起订量
# XMR-NW70R	70	3.0	100	500
# XMR-NW70Y	70	3.0	100	500
# XMR-NW70W	70	3.0	100	500

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.39010
要了解详细技术规格，请索取“技术数据表”DB-Nr.39010

标记为 # 的产品有最小起订量 (MOQ)

unit = mm
单位 = mm



- High-grade, specially formulated polyamide 6
- Extremely shock resistant
- Self-extinguishing
- Free from halogens and cadmium
- Cut the ring to assemble to conduit corrugations
- Colour : red yellow white
- Temperature range: -40°C to +105°C; Short-term: +160°C

- 高级，特殊配方聚酰胺6制成
- 极好的抗震性能
- 自熄灭性好
- 不含卤素和镉
- 剪切标识圈，便于安装在波纹软管
- 颜色：红色，黄色，白色
- 温度范围：-40°C 至 +105°C；短期温度：+160°C



- Nitrile rubber NBR
- Temperature range: -40°C to +105°C
- NBR, 丁腈橡胶
- 温度范围: -40°C 至 +105°C

OR O-ring

Suitable for the reinforced PMAFIX connectors.

OR O 型圈

适用于PMAFIX系列加强型管接头。

Order No. black 订货号 黑色	Inside diameter 内径	Dimensions thickness 尺寸 厚度	Packing unit 包装量	MOQ (pcs) 最小起订量 黑色
# OR8.00X1.00	8.00	1.00	1000	待定
# OR9.00X1.50	9.00	1.50	1000	待定
# OR9.00X2.00	9.00	2.00	1000	待定
# OR9.50X2.50	9.50	2.50	1000	待定
# OR10.00X1.50	10.00	1.50	1000	待定
# OR12.50X1.00	12.50	1.00	1000	待定
# OR13.00X1.50	13.00	1.50	1000	待定
# OR13.00X2.00	13.00	2.00	1000	待定
# OR14.00X1.50	14.00	1.50	1000	待定
# OR14.00X2.00	14.00	2.00	1000	待定
# OR16.00X1.50	16.00	1.50	1000	待定
# OR16.00X2.00	16.00	2.00	1000	待定
# OR17.00X1.50	17.00	1.50	1000	待定
# OR17.00X2.00	17.00	2.00	1000	待定
# OR18.00X1.50	18.00	1.50	1000	待定
# OR18.00X2.00	18.00	2.00	1000	待定
# OR20.00X1.50	20.00	1.50	1000	待定
# OR20.00X2.00	20.00	2.00	1000	待定
# OR21.00X1.50	21.00	1.50	1000	待定
# OR21.00X2.00	21.00	2.00	1000	待定
# OR22.00X1.50	22.00	1.50	1000	待定
# OR22.00X2.00	22.00	2.00	1000	待定
# OR24.00X1.50	24.00	1.50	1000	待定
# OR24.00X2.00	24.00	2.00	1000	待定
# OR25.00X1.50	25.00	1.50	1000	待定
# OR25.00X2.00	25.00	2.00	1000	待定
# OR26.00X2.00	26.00	2.00	1000	待定
# OR27.00X1.50	27.00	1.50	1000	待定
# OR27.00X2.00	27.00	2.00	1000	待定
# OR29.00X2.00	29.00	2.00	1000	待定
# OR30.00X2.00	30.00	2.00	1000	待定
# OR31.00X2.00	31.00	2.00	1000	待定

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50016
要了解详细技术规格, 请索取“技术数据表” DB-Nr.50016

标记为 # 的产品有最小起订量 (MOQ), 待定 = MOQ需与工厂确认

unit = mm
单位 = mm

OR O-ring

Suitable for the reinforced PMAFIX connectors.

OR O 型圈

适用于PMAFIX系列加强型管接头。

Order No. black 订货号 黑色	Inside diameter 内径	Dimensions thickness 尺寸 厚度	Packing unit 包装量	MOQ (pcs) 最小起订量 黑色
# OR32.00X1.50	32.00	1.50	1000	待定
# OR32.00X2.50	32.00	2.50	1000	待定
# OR33.00X1.50	33.00	1.50	1000	待定
# OR33.00X2.00	33.00	2.00	1000	待定
# OR36.00X1.50	36.00	1.50	1000	待定
# OR36.00X2.00	36.00	2.00	1000	待定
# OR39.00X1.50	39.00	1.50	1000	待定
# OR39.00X2.00	39.00	2.00	1000	待定
# OR41.00X1.50	41.00	1.50	1000	待定
# OR42.00X2.00	42.00	2.00	1000	待定
# OR43.00X2.00	43.00	2.00	500	待定
# OR45.00X1.50	45.00	1.50	1000	待定
# OR45.00X2.00	45.00	2.00	1000	待定
# OR47.00X2.00	47.00	2.00	1000	待定
# OR47.00X2.50	47.00	2.50	500	待定
# OR50.00X2.50	50.00	2.50	1000	待定
# OR50.47X2.62	50.47	2.62	1000	待定
# OR51.00X2.00	51.00	2.00	500	待定
# OR53.00X2.00	53.00	2.00	500	待定
# OR54.00X2.00	54.00	2.00	100	待定
# OR54.00X2.50	54.00	2.50	500	待定
# OR54.00X3.00	54.00	3.00	500	待定
# OR55.00X2.50	55.00	2.50	500	待定
# OR58.00X2.00	58.00	2.00	500	待定
# OR60.00X2.00	60.00	2.00	500	待定
# OR60.00X3.00	60.00	3.00	500	待定
# OR67.00X3.00	67.00	3.00	500	待定
# OR68.00X2.50	68.00	2.50	500	待定
# OR82.22X2.62	82.22	2.62	500	待定
# OR90.00X2.50	90.00	2.50	500	待定

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50016

要了解详细技术规格，请索取“技术数据表”DB-Nr.50016

标记为 # 的产品有最小起订量 (MOQ)，待定 = MOQ需与工厂确认

unit = mm

单位 = mm



- Nitrile rubber NBR
- Temperature range: -40°C to +105°C

- NBR, 丁腈橡胶
- 温度范围: -40°C 至 +105°C



- NBR reinforced with aramide fibres (asbestos-free)
- Up to IP68
- Temperature range: -50°C to +250°C; Short-term: +350°C

- NBR, 尼龙纤维加固 (不含石棉)
- 防护等级IP68
- 温度范围: -50°C 至 +250°C; 短期温度: +350°C

SVN4 flat gasket, metric

Suitable for the reinforced PMAFIX connectors with polyamide or metal threads.
Guarantee ingress protection of up to IP68.

SVN4 扁平垫圈, 公制螺纹

适用于PMAFIX系列加强型管接头, 此类接头带有聚酰胺或金属螺纹。
保证防护等级达到IP68。

Order No.	Fits to thread metric	Inside diameter	Outside diameter	Diameter thickness
订货号	适配螺纹公制	内径	外径	尺寸厚度
SVN4-M12	M12 x 1.5	12.00	20.00	1.5
SVN4-M12/02	M12 x 1.5	12.00	23.00	1.5
SVN4-M16	M16 x 1.5	16.00	22.00	1.5
SVN4-M16/02	M16 x 1.5	16.00	25.00	1.5
SVN4-M20	M20 x 1.5	20.00	27.00	1.5
SVN4-M20/02	M20 x 1.5	20.00	33.00	1.5
SVN4-M25	M25 x 1.5	25.00	35.00	1.5
SVN4-M25/01	M25 x 1.5	25.00	31.00	1.5
SVN4-M25/02	M25 x 1.5	25.00	39.00	1.5
SVN4-M32	M32 x 1.5	32.00	43.00	1.5
SVN4-M32/02	M32 x 1.5	32.00	49.00	1.5
SVN4-M40	M40 x 1.5	40.00	55.00	1.5
SVN4-M40/01	M40 x 1.5	40.00	51.00	1.5
SVN4-M40/02	M40 x 1.5	40.00	64.00	1.5
SVN4-M50	M50 x 1.5	50.00	69.00	1.5
SVN4-M50/01	M50 x 1.5	50.00	59.00	1.5
SVN4-M50/02	M50 x 1.5	50.00	74.00	1.5
SVN4-M63	M63 x 1.5	63.00	75.00	1.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50013
要了解详细技术规格, 请索取“技术数据表” DB-Nr.50013

unit = mm
单位 = mm



- NBR reinforced with aramide fibres (asbestos-free)
- Up to IP68
- Temperature range: -50°C to +250°C; Short-term: +350°C

- NBR, 尼龙纤维加固 (不含石棉)
- 防护等级IP68
- 温度范围: -50°C 至 +250°C; 短期温度: +350°C

SVN4 flat gasket, PG

Suitable for the reinforced PMAFIX connectors with polyamide or metal threads.
Guarantee ingress protection of up to IP68.

SVN4 扁平垫圈, PG 螺纹

适用于PMAFIX系列加强型管接头, 此类接头带有聚酰胺或金属螺纹。
保证防护等级达到IP68。

Order No.	Fits to thread PG	Inside diameter	Outside diameter	Diameter thickness
订货号	适配螺纹PG	内径	外径	尺寸厚度
SVN4-07	7	12.5	16.5	1.5
SVN4-09	9	15.2	20.0	1.5
SVN4-11	11	18.6	24.0	1.5
SVN4-13	13.5	20.4	31.0	1.5
SVN4-16	16	22.5	31.0	1.5
SVN4-21	21	28.3	37.0	1.5
SVN4-29	29	37.0	48.0	1.5
SVN4-36	36	47.0	57.0	1.5
SVN4-42	42	54.0	65.0	1.5
SVN4-48	48	59.3	69.0	1.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50011
要了解详细技术规格, 请索取“技术数据表” DB-Nr.50011

unit = mm
单位 = mm

SVN4 flat gasket, GAS

Suitable for the reinforced PMAFIX connectors with polyamide or metal threads.
Guarantee ingress protection of up to IP68.

SVN4 扁平垫圈, GAS 螺纹

适用于PMAFIX系列加强型管接头, 此类接头带有聚酰胺或金属螺纹。
保证防护等级达到IP68。

Order No.	Fits to thread GAS	Inside diameter	Outside diameter	Diameter thickness
订货号	适配螺纹 GAS	内径	外径	尺寸 厚度
SVN4-G00	1/4"	13.2	20.0	1.5
SVN4-G01	3/8"	16.7	22.0	1.5
SVN4-G02	1/2"	21.0	28.0	1.5
SVN4-G04	3/4"	26.5	34.0	1.5
SVN4-G06	1"	33.3	42.0	1.5
SVN4-G07	1 1/4"	41.9	53.0	1.5
SVN4-G08	1 1/2"	47.8	62.0	1.5
SVN4-G09	2"	59.6	69.0	1.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50014
要了解详细技术规格, 请索取 "技术数据表" DB-Nr.50014

unit = mm
单位 = mm



- NBR reinforced with aramide fibres (asbestos-free)
- Up to IP68
- Temperature range: -50°C to +250°C; Short-term: +350°C

- NBR, 尼龙纤维加固 (不含石棉)
- 防护等级IP68
- 温度范围: -50°C 至 +250°C; 短期温度: +350°C

SVN4 Flat Gasket, NPT

For metal and polyimide NPT threaded fittings.

SVN4 扁平垫圈, NPT螺纹

适用于金属和聚酰胺NPT螺纹管接头。



Order No.	Thread Npt	Inside diameter	Outside diameter	Diameter thickness
订货号	螺纹 NPT	内径	外径	尺寸 厚度
SVN4-N02	1/2"	21.0	28.0	1.5
SVN4-N02/01	1/2"	21.6	28.0	1.5
SVN4-N04	3/4"	26.5	34.0	1.5
SVN4-N04/01	3/4"	27.0	36.0	1.5
SVN4-N06	1"	33.3	42.0	1.5
SVN4-N06/01	1"	33.7	46.0	1.5
SVN4-N07	1 1/4"	41.9	53.0	1.5
SVN4-N07/01	1 1/4"	42.5	55.0	1.5
SVN4-N08	1 1/2"	47.8	62.0	1.5
SVN4-N08/01	1 1/2"	48.6	70.0	1.5
SVN4-N09	2"	59.6	69.0	1.5
SVN4-N09/01	2"	60.7	70.0	1.5

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.50017
要了解详细技术规格, 请索取 "技术数据表" DB-Nr.50017

unit = mm
单位 = mm



- NBR reinforced with aramide fibres (asbestos-free)
- Suitable for sealing of PMA fittings with polyamide or metal threads
- Ingress protection IP68 according to IEC/EN 60529 at fitting threads
- Temperature range: -50°C to +250°C; Short-term: +350°C

- NBR, 尼龙纤维加固 (不含石棉)
- 适用于聚酰胺或金属螺纹PMA管接头的密封
- 适配安装在管接头螺纹上, 根据IEC/EN 60529, 防护等级达到IP68
- 温度范围: -50°C 至 +250°C; 短期温度: +350°C



- Polyamide 6 glass fibre reinforced
- Suitable for closing off and sealing unused threaded holes
- Free from halogens and cadmium
- IP54 (IP65 if O-ring is installed)
- Temperature range: -30°C to +100°C

- 玻璃纤维加强型聚酰胺6
- 适用于封闭和密封未使用的螺纹孔
- 不含卤素和镉
- 防护等级: IP54 (选配O型环, 可达到 IP65)
- 温度范围: -30°C 至 +100°C

514 plug screws, metric

Suitable for an accurate termination where no thread holes in casing and distribution boxes are needed.

514 闷盖, 公制螺纹

用于堵塞控制箱或配电箱上没有使用的螺纹孔上。

Order No. light grey 订货号 浅灰色	Fits to thread metric 适配螺纹 公制	Outside diameter 外径	Dimensions height 尺寸 高	Thread length 螺纹 长度
514-M12	M12 x 1.5	15.0	10.0	6.0
514-M16	M16 x 1.5	20.0	10.5	6.0
514-M20	M20 x 1.5	24.0	10.5	6.0
514-M25	M25 x 1.5	30.0	13.0	8.0
514-M32	M32 x 1.5	37.0	13.5	8.0
514-M40	M40 x 1.5	46.0	14.0	8.0
514-M50	M50 x 1.5	56.0	16.5	10.0
514-M63	M63 x 1.5	70.0	17.0	12.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60501
要了解详细技术规格, 请索取“技术数据表” DB-Nr.60501

unit = mm
单位 = mm



- Polyamide 6 glass fibre reinforced
- Suitable for closing off and sealing unused threaded holes
- Free from halogens and cadmium
- IP54 (IP65 if O-ring is installed)
- Temperature range: -30°C to +100°C

- 玻璃纤维加强型聚酰胺6
- 适用于封闭和密封未使用的螺纹孔
- 不含卤素和镉
- 防护等级: IP54 (选配O型环, 可达到 IP65)
- 温度范围: -30°C 至 +100°C

514 plug screws, PG

Suitable for an accurate termination where no thread holes in casing and distribution boxes are needed.

514 闷盖, PG螺纹

用于堵塞控制箱或配电箱上没有使用的螺纹孔上。

Order No. light grey 订货号 浅灰色	Fits to thread PG 适配螺纹 PG	Outside diameter 外径	Dimensions height 尺寸 高	Thread length 螺纹 长度
514-07	7	15.0	10.0	6.0
514-09	9	19.0	10.0	6.0
514-11	11	22.0	10.0	6.0
514-13	13.5	25.0	10.0	6.0
514-16	16	27.0	10.0	6.0
514-21	21	33.0	12.5	8.0
514-29	29	44.5	13.0	8.0
514-36	36	55.5	15.0	10.0
514-48	48	69.5	17.0	12.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.60500
要了解详细技术规格, 请索取“技术数据表” DB-Nr.60500

unit = mm
单位 = mm

PMACUT cutting tool

Excellent tool for cutting all PMA conduits
Guarantees precise and safe 90° angle cut.

PMACUT 切割工具

适用于所有PMA软管的优秀的切割工具
确保切割准确、垂直。

Order No. cutting tool 工具订货号	Order No. spare blade 刀片订货号	Cutting range 切割范围	Fits to conduit size NW 适配软管尺寸 标称内径 公制	
PMACUT-38	FP-38	0 - 38	7 - 29	10 - 32
PMACUT-52	FP-52	0 - 52	23 - 48	25 - 50

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.69000
要了解详细技术规格，请索取“技术数据表”DB-Nr.69000

unit = mm
单位 = mm



- Metal
- Colour: red
- Can be used to cut PMA conduits
- Enables a precise and straight cut at the top of the corrugation
- 材质：金属
- 颜色：红色
- 方便剪切PMA软管
- 确保切割准确、垂直，特别是大口径软管

PMACUT cutting tool

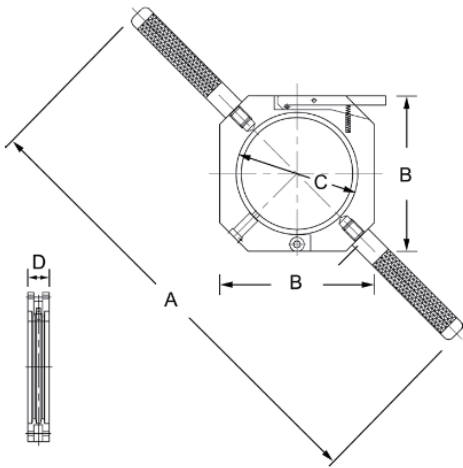
Excellent tool for cutting all PMA conduits.

PMACUT 切割工具

适用于所有PMA软管的优秀的切割工具。

Order No. cutting tool 工具订货号	Order No. spare blade 刀片订货号	Dimensions A B C D 尺寸				Fits to conduit size NW metric 适配软管尺寸 标称内径 公制	
		A	B	C	D	NW	metric
PMACUT-NW56	PMACUT-NW-RB	337	101	68	15	56	68
PMACUT-NW70	PMACUT-NW-RB	350	110	80	15	70	80
PMACUT-NW95	PMACUT-NW-RB	400	142	107	20	95	106
PMACUT-NW125	PMACUT-NW-RB	443	182	148	20	125	146

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.69005
要了解详细技术规格，请索取“技术数据表”DB-Nr.69005



unit = mm
单位 = mm



- Aluminium
- Solid construction, easy handling
- Can be used to cut PMA conduits with large nominal widths
- Enables a precise and straight cut at the top of the corrugation
- High level of safety through retractable blade
- 材质：铝
- 非常坚固，易于操作
- 方便剪切PMA大口径软管
- 确保切割准确、垂直，特别是大口径软管
- 此伸缩刀片具有高度安全性



- Aluminium / steel / nylon belt
 - Torque tool consisting of torque measurement device and torque insert for Fittings
 - Enables a precise torque tightening setting for larger size fittings
 - Easy to use
 - Allows for smooth tightening
 - Quick and easy setting of tightening torques
 - Colour Torque handle: grey
Torque insert: red
- 材料：铝 / 钢 / 尼龙夹层带
- 扭矩工具包括：扭矩可调测量装置和扭矩的插入件
- 具有精确的扭矩拧紧设置，且适用于大尺寸的接头
- 易于使用
- 有利于平滑收紧
- 快速和方便设置拧紧力矩
- 颜色 扭矩手柄：灰色
扭矩插入件：红色

TORQUE TOOL

Larger size PMA fittings.

TORQUE TOOL

扭矩工具

适用于大尺寸的PMA接头。

Order No. Torque Tool	Order No. Torque Insert	Torque Range	Weight	Packing Unit
订货号 扭矩工具	订货号 扭矩插入件	扭矩范围	重量	包装量
PMA-TORQUE-TOOL	-	2 - 20 Nm	1380 g	1 pcs
-	PMA-TORQUEINSRT	3 - 15 Nm	380 g	1 pcs

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.69060
要了解详细技术规格，请索取“技术数据表” DB-Nr.69060

unit = mm
单位 = mm



PMA Torque Insert

PMA 扭矩插入件

Torque Handle

PMA 扭矩手柄

Code reference 代码指南

PMA-TORQUE-TOOL
PMA 扭矩工具

Torque Handle + PMA
Torque Insert

扭矩手柄 + PMA
扭矩插入件

PMA-TORQUE-HANDLE
PMA 扭矩手柄

Torque Handle

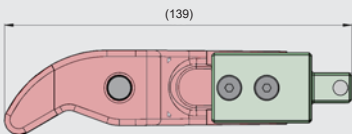
扭矩手柄

PMA-TORQUEINSRT
PMA 扭矩插入件

PMA Torque Insert

PMA 扭矩插入件

Torque Insert
扭矩插入件

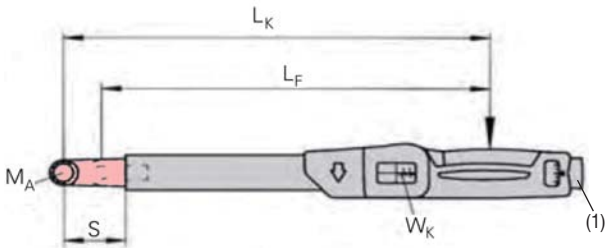




Values for the PMA Torque Tool
PMA 扭矩工具参数值

PMA TORQUE TOOL
PMA 扭矩工具

Required tightening torque (M _A) 拧紧力矩 (M _A)		Torque setting on tool (W _K) 扭矩设置 (W _K)	
value	unit	value	unit
参数值	单位	参数值	单位
3.0	Nm	2.1	Nm
3.5	Nm	2.4	Nm
4.0	Nm	2.8	Nm
4.5	Nm	3.1	Nm
5.0	Nm	3.4	Nm
5.5	Nm	3.8	Nm
6.0	Nm	4.1	Nm
6.5	Nm	4.5	Nm
7.0	Nm	4.8	Nm
7.5	Nm	5.2	Nm
8.0	Nm	5.5	Nm
8.5	Nm	5.8	Nm
9.0	Nm	6.2	Nm
9.5	Nm	6.5	Nm
10.0	Nm	6.9	Nm
10.5	Nm	7.2	Nm
11.0	Nm	7.6	Nm
11.5	Nm	7.9	Nm
12.0	Nm	8.3	Nm
12.5	Nm	8.6	Nm
13.0	Nm	8.9	Nm
13.5	Nm	9.3	Nm
14.0	Nm	9.6	Nm
14.5	Nm	10.0	Nm
15.0	Nm	10.3	Nm



$$W_K = \frac{M_A \times L_F}{L_K}$$

$$W_K = \frac{M_A \times L_F}{L_F - S_F + S}$$

Values for the PMA Torque Tool PMA 扭矩工具参数值	
S	120.0 mm
S _F	17.5 mm
L _F	226.0 mm

W _K	Corrected torque setting (value to be set) 修正后的扭矩设定 (要设置的值)
M _A	Desired tightening torque 期望中的拧紧力矩
L _F	Functional length 功能长度
L _K	Corrected functional length 更正功能长度
S	Center distance of the PMA TORQUEINSRT PMA 扭矩插入件的中心距
S _F	Nominal center distance of the Torque Tool 扭矩工具的标称中心距



SPV junction box

For various electrical installation applications.

SPV 分线盒

应用于各种电力安装。

- High-grade, specially formulated polyamide 6
- Very high impact resistance
- Easy mounting of PMA conduits
- Very good chemical properties
- Free from halogen and cadmium
- Fits both conduit profiles-fine (T) and coarse (G)
- Ingress protection: IP50
- **Temperature range:** -40°C to +105°C; **Short-term:** +160°C

- 高级、特殊配方的聚酰胺6制成
- 非常好的抗冲击性
- 安装方便
- 非常好的抗化学性能
- 不含卤素、镉
- 适合两种软管波纹-细波纹 (T) 和粗波纹 (G)
- 防护等级: IP50
- 温度范围: -40°C 至 +105°C; 短期温度: +160°C

Order No. Grey 订货号 灰色	Fits to conduit size NW 适配软管尺寸 标称内径				Dimensions width 尺寸 宽	Dimensions height 尺寸 高	Dimensions depth 尺寸 深
SPV-01	2 x NW10	4 x NW12	2 x NW17		94.0	53.5	26.0
SPV-02.23	3 x NW10	4 x NW12	2 x NW17	2 x NW23	102.0	93.5	38.0

For technical specification in details, please ask for "Technical Data Sheet" DB-Nr.40300
要了解详细技术规格, 请索取 "技术数据表" DB-Nr.40300

unit = mm
单位 = mm

