TECHNICAL DATA SHEET

PMA Accessories - BGP - System support

Stackable series of system supports

Applications:
- In railway vehicle construction, heavy machine building industry and other applications with increased mechanical requirements

Features & Benefits:
- Variable stacking possibilities, due to the „Block“- system a high rigidity is guaranteed
- Axial fixation of conduit
- Conduit rotation possible (avoids torsion)
- Especially suitable for dynamic applications due to rounded edges
- Variety of support possibilities
- Very high impact resistance
- Very good chemical properties

Materials:
- High-grade, specially formulated polyamide 6

Compatible with:
- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

Conforms to:
- EN 45545-2 HL3 (R22 & R23)
- NFPA 130
- UL 94 (V0)

Weathering resistance:
- Very good UV resistance and weathering characteristics, particularly in black

Colour:
- Black
- Grey

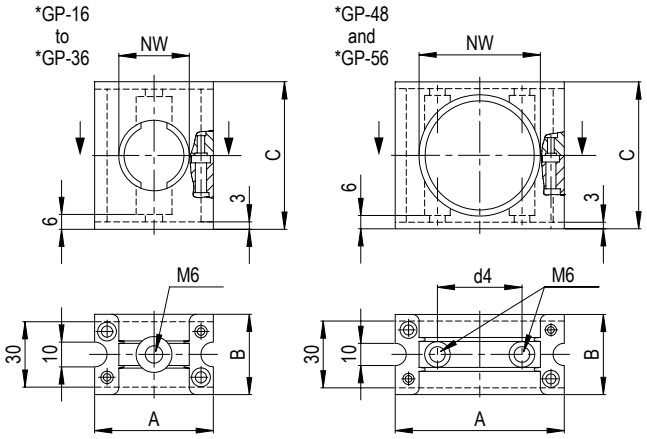
Chemical properties:
- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

Environmental properties:
- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.		Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
black	grey	NW	d4	A	B	C	kg/100 pcs	pcs/PU
*BGP-12/01	*SGP-12/01	12	-	48.0	36.0	66.0	6.0	30
BGP-17	SGP-17	17	-	48.0	36.0	66.0	5.6	30
BGP-23	SGP-23	23	-	48.0	36.0	66.0	5.2	30
BGP-29	SGP-29	29	-	62.0	36.0	66.0	6.0	20
BGP-36	SGP-36	36	-	62.0	36.0	66.0	5.3	10
BGP-48	SGP-48	48	38	76.0	36.0	66.0	5.8	10
BGP-56G	SGP-56G	56	52	87.0	36.0	78.0	6.4	10

* This size will be delievered with a half-shell insert. Diese Grösse wird mit einem Halbschalen-Einsatz geliefert.
Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



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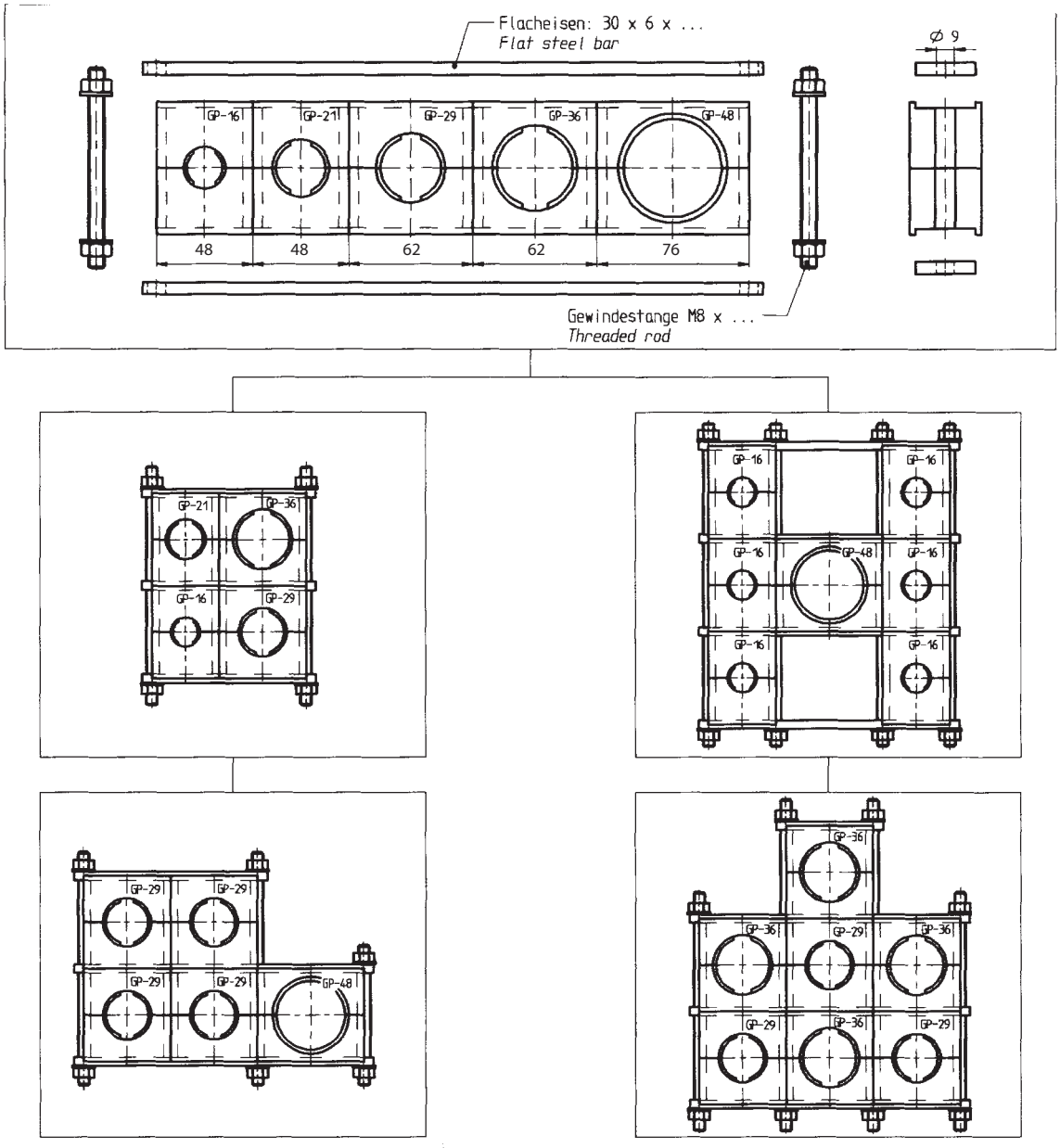
Mounting Possibilities



Mechanical Properties:	Value:	Test parameters:	Test method:
Tensile modulus	1‘200 ... 3‘700 N/mm²		ISO 527
Tensile strength	45 ... 65 N/mm²		ISO 527
Notched bar impact test	4 ... 20 kJ/m²		ISO 180/1C
Vibration and shock standard	Cat. 2		IEC 61373, IEC 60068-2-27 / -64

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	–50 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386-1
Flame class	V0		UL 94
Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 150 Ds max.		EN ISO 5659-2 (25 kW/m2)
Toxicity	< 0.75 CIT_{NLP}		NF X 70-100-1/-2: (600°C)
Fire hazard level	HL3		EN 45545-2 (R23)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 300 Ds max.		EN ISO 5659-2 (25 kW/m2)
Toxicity	< 1.5 CIT_{NLP}		NF X 70-100-1/-2: (600°C)
Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
Heat and visible smoke	26.00 MJ/kg		ASTM E 1354
Smoke emission toxicity	compliant		Bombardier SMP 800-C
Smoke emission toxicity	compliant		Boeing BSS 7241

Content of delivery:

- System support
- PT-Schrauben KA 40 x 25 stainless steel

Assembly instructions:

- Possible combinations please see on page 3.

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