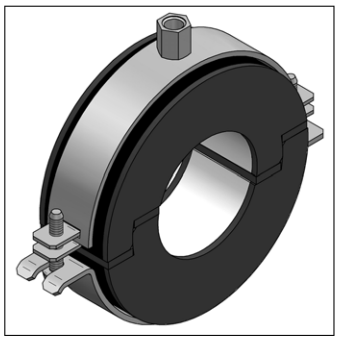
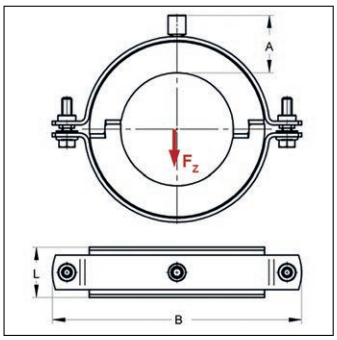
POLAR plus insulated pipe clamp

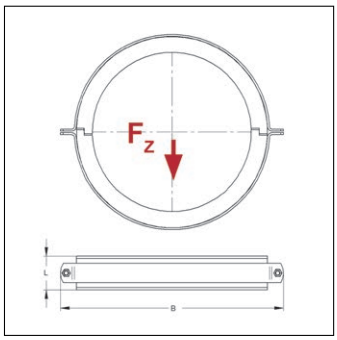
Synthetic rubber / PU


Polar plus insulated pipe clamp (with Omnia MB)



Polar plus insulated pipe clamp


Polar plus insulated pipe clamp (with Titan HD)



Polar plus insulated pipe clamp

SCHALL-SCHUTZ DIN 4109

Baustoffklasse B2 "Normal entflammbar" nach DIN 4102

Product description

- Pipe clamp body situated outside of insulation
- Joining surfaces of half shells are sealed with synthetic rubber cushion at joints
- No gluing on site
- Assembly unit can be opened again after closing
- High water vapor diffusion resistance and low thermal conductivity
- Pipe clamps and insulation glued together and form an assembly unit
- Rubber completion on face side
- Halogen free

Specification

Application area: A thermal decoupled mounting of tubes guarantees a reliable prevention of condensate for refrigeration, air-conditioning and drinking water technologies in the sector pipe-clamping.

Technical data

Material:	Steel
Surface:	galvanized
Material shell:	Polyurethane rigid foam
Temperature resistance:	-50 up to 105 °C
Density shell:	145 kg/m³
Statical load shell:	0,38 N/mm²
Average nominal compressive strength shell:	1,9 N/mm²
Water vapour diffusion resistance:	36000 µ
Thermal conductivity:	0,031 W/mK

Remark: Assembly instructions see chapter 15. Load specification according to AGI requirements, reduce to 1/5, taking in account the compressive strength of the shell. For fire loads, use the load specification for the respective clamp without insulation, see chapter 1. Custom-made products on request.

* Delivery time on request. Excluded from exchange and return.

OD steel [mm]	OD cu [mm]	OD plastic [mm]	Dimension insulation shell [mm]	Pipe clamp type	Connection	Connection height A [mm]	Width B [mm]	Load F_Z [kN]	Weight [kg/pc]	Packing unit [pcs.]	Part-No.
	10		20x36	Omnia MB	M8/M10	37	89	0,10	0,111	20	74620100
	12		20x36	Omnia MB	M8/M10	37	89	0,11	0,111	20	74620120
	15		20x36	Omnia MB	M8/M10	37	89	0,14	0,110	20	74620150
17,2			20x36	Omnia MB	M8/M10	38	92	0,16	0,118	20	74620170
	18		20x36	Omnia MB	M8/M10	38	92	0,17	0,118	20	74620180
21,3			20x36	Omnia MB	M8/M10	37	92	0,20	0,118	20	74620210
	22		20x36	Omnia MB	M8/M10	37	92	0,21	0,118	20	74620220
26,9			20x36	Omnia MB	M8/M10	37	101	0,26	0,126	20	74620270
	28		20x36	Omnia MB	M8/M10	37	101	0,27	0,125	20	74620280
		32	20x36	Omnia MB	M8/M10	40	113	0,31	0,142	20	74620320 *
33,7			20x36	Omnia MB	M8/M10	38	113	0,32	0,141	20	74620340
	35		20x36	Omnia MB	M8/M10	38	113	0,33	0,141	20	74620350
		40	20x36	Omnia MB	M8/M10	40	117	0,38	0,153	20	74620400 *
42,4	42		20x36	Omnia MB	M8/M10	38	117	0,40	0,152	20	74620430

POLAR plus insulated pipe clamp

OD steel [mm]	OD cu [mm]	OD plastic [mm]	Dimension insulation shell [mm]	Pipe clamp type	Connection	Connection height A [mm]	Width B [mm]	Load F_Z [kN]	Weight [kg/pc]	Packing unit [pcs.]	Part-No.
48,3			20x36	Omnia MB	M8/M10	39	124	0,46	0,164	20	74620480
		50	20x36	Omnia MB	M8/M10	39	124	0,48	0,163	20	74620500 *
	54		20x36	Omnia MB	M8/M10	37	124	0,52	0,162	20	74620540
57,0			20x41	Omnia MB	M8/M10	40	136	0,66	0,241	20	74620570
60,3			20x41	Omnia MB	M8/M10	38	136	0,70	0,239	15	74620600
63,5	64		20x41	Omnia MB	M8/M10	39	143	0,74	0,250	15	74620640
		75	20x41	Omnia MB	M8/M10	39	152	0,87	0,281	15	74620750 *
76,1			20x41	Omnia MB	M8/M10	38	152	0,88	0,284	15	74620760
88,9			20x41	Omnia MB	M8/M10	39	165	1,03	0,295	15	74620890
108,0			20x51	Maxima PSM	M10/M12	45	226	1,68	0,837	10	74621080
114,3			20x51	Maxima PSM	M10/M12	45	226	1,77	0,832	10	74621140
42,4			30x41	Omnia MB	M8/M10	48	136	0,49	0,249	20	74630430 *
48,3			30x41	Omnia MB	M8/M10	48	143	0,56	0,262	20	74630480
		50	30x41	Omnia MB	M8/M10	51	152	0,58	0,281	20	74630500 *
	54		30x41	Omnia MB	M8/M10	49	152	0,62	0,280	20	74630540 *
57,0			30x41	Omnia MB	M8/M10	47	152	0,66	0,280	20	74630570 *
60,3			30x41	Omnia MB	M8/M10	49	158	0,70	0,298	15	74630600
63,5	64		30x41	Omnia MB	M8/M10	48	158	0,74	0,296	15	74630640 *
		75	30x41	Omnia MB	M8/M10	49	175	0,87	0,326	15	74630750 *
76,1			30x41	Omnia MB	M8/M10	48	175	0,88	0,326	15	74630760
88,9			30x41	Omnia MB	M10/M12	59	206	1,03	0,459	15	74630890
108,0			30x51	Maxima PSM	M10/M12	55	240	1,68	0,921	10	74631080 *
		110	30x51	Maxima PSM	M10/M12	54	240	1,71	0,918	10	74631100 *
114,3			30x51	Maxima PSM	M10/M12	57	252	1,77	0,977	10	74631140
		125	30x51	Maxima PSM	M10/M12	55	258	1,94	0,992	1	74631250 *
133,0			30x51	Maxima PSM	M10/M12	55	265	2,06	1,03	1	74631330 *
139,7			30x51	Maxima PSM	M10/M12	55	272	2,17	1,06	1	74631400
159,0			30x51	Maxima PSM	M10/M12	57	297	2,47	1,16	1	74631590 *
		160	30x51	Maxima PSM	M10/M12	57	297	2,48	1,16	1	74631600 *
168,3			30x66	Maxima PSM	M10/M12	45	307	3,22	1,26	1	746316802
219,1			30x66	Titan HD	M16	45	358	4,71	2,38	1	746321902
108,0			40x51	Maxima PSM	M10/M12	67	265	1,68	1,06	10	74641080 *
		110	40x51	Maxima PSM	M10/M12	66	265	1,71	1,06	10	74641100 *
114,3			40x51	Maxima PSM	M10/M12	64	265	1,77	1,06	1	74641140
		125	40x51	Maxima PSM	M10/M12	66	278	1,94	1,12	1	74641250 *
133,0			40x51	Maxima PSM	M10/M12	66	287	2,06	1,15	1	74641330 *
139,7			40x51	Maxima PSM	M10/M12	67	297	2,17	1,20	1	74641400
159,0			40x51	Maxima PSM	M10/M12	67	315	2,47	1,28	1	74641590 *
		160	40x51	Maxima PSM	M10/M12	66	315	2,48	1,28	1	74641600 *
168,3			40x66	Titan HD	M16	56	330	3,62	2,23	1	746416802
219,1			40x66	Titan HD	M16	55	380	4,71	2,60	1	746421903
273,0			40x66	Titan HD	M16	56	428	5,87	2,98	1	746427302
323,9			40x66	Titan HD	M16	56	486	6,96	3,41	1	746432404
355,6			40x86	Titan HD	without connection		560	10,46	3,63	1	746435601 *
406,4			40x86	Titan HD	without connection		610	11,65	4,04	1	746440601 *
457,0			40x86	Titan HD	without connection		660	12,85	4,43	1	746445701 *