

SUPPORTING POINTS



SUPPORTING POINTS

FLEXIBLE SUSPENSION

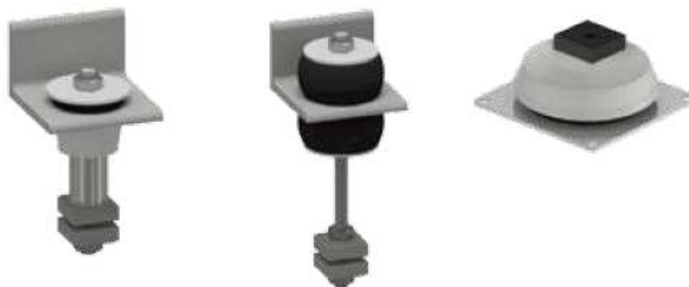
Noise and Vibrations

In an exhaust system for diesel engines, there will be vibrations caused by the engine. While these vibrations travel through the exhaust system they can cause disturbing noise as well as vibrations to be emitted through the entire structure of the vessel or building.



Fixed Supporting Points take the static and dynamic forces and determine the direction of the expansion in the exhaust system.

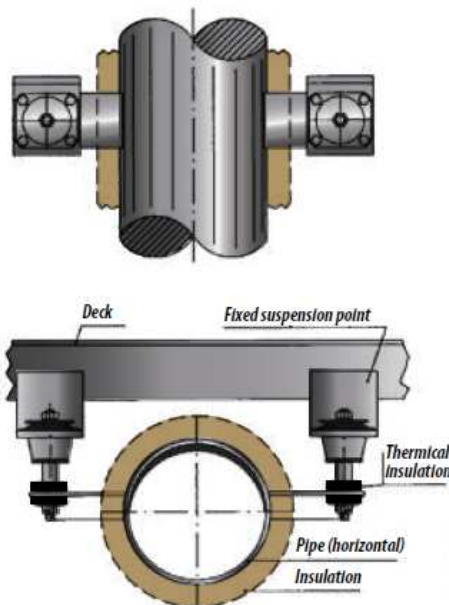
Sliding Supporting Points allow the thermal expansion movements caused by the high exhaust temperature which is transferred to the exhaust piping to be controlled. When an exhaust pipe is installed in a horizontal direction, the sliding supporting points also carry the weight of the exhaust pipe.



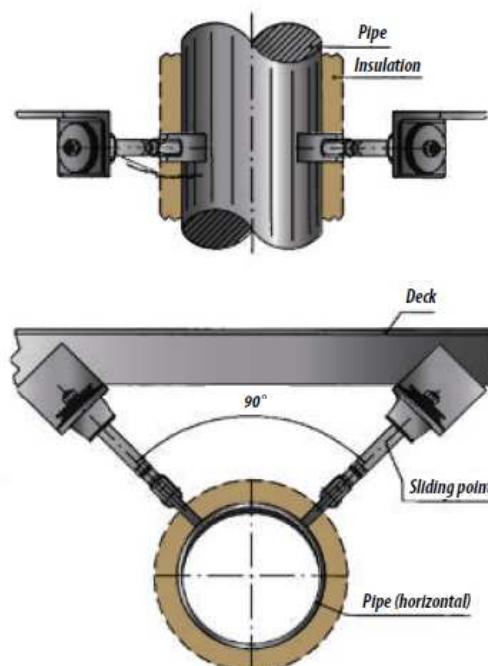
SUPPORTING POINTS

MOUNTING INSTRUCTIONS

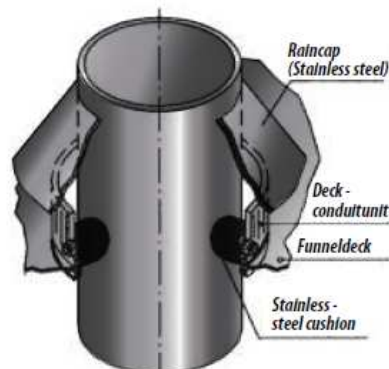
Fixed suspension points



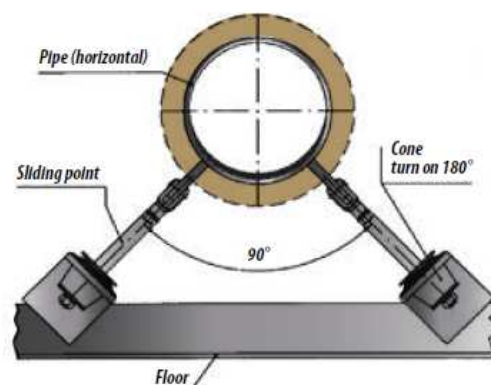
Sliding points



Deck conduit unit



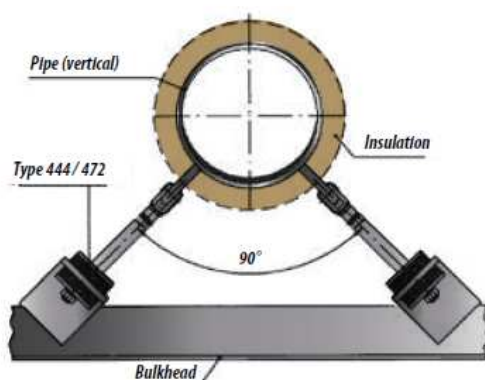
Slidingpoints for supporting



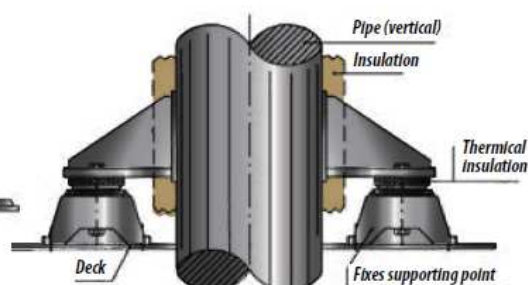
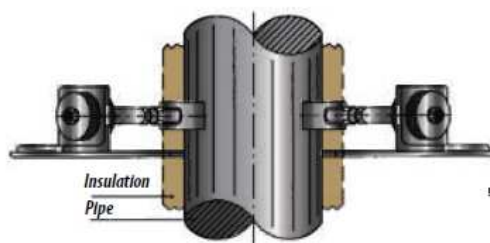
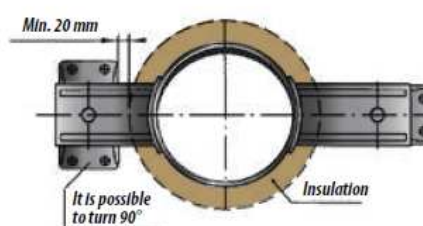
SUPPORTING POINTS

MOUNTING INSTRUCTIONS

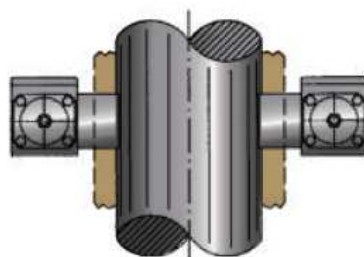
Sliding points 444/472



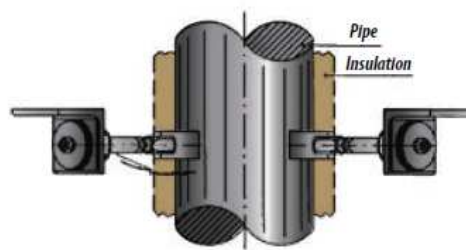
Fixed supporting points



Fixed suspension points



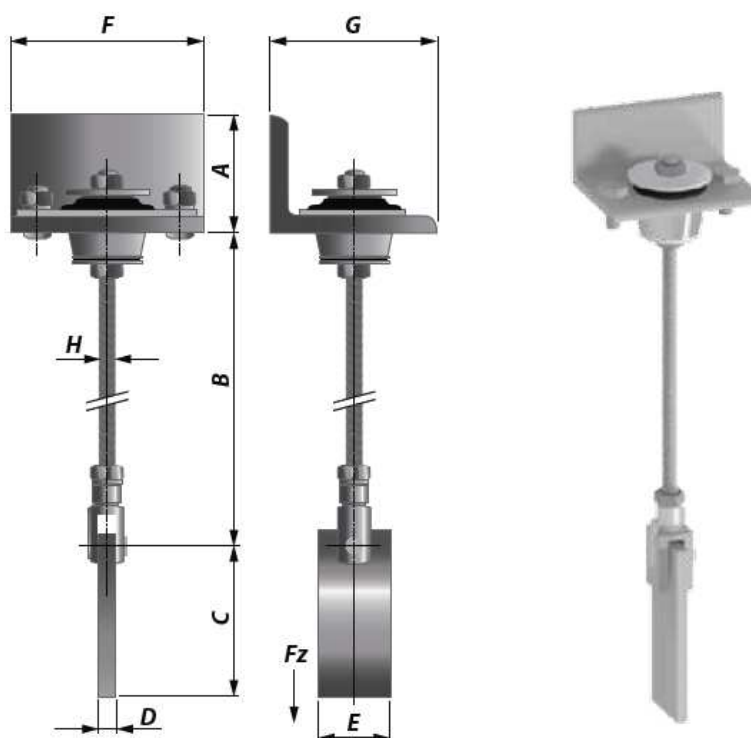
Sliding points



SUPPORTING POINTS

SLIDING SUPPORTING POINTS

PAX-90

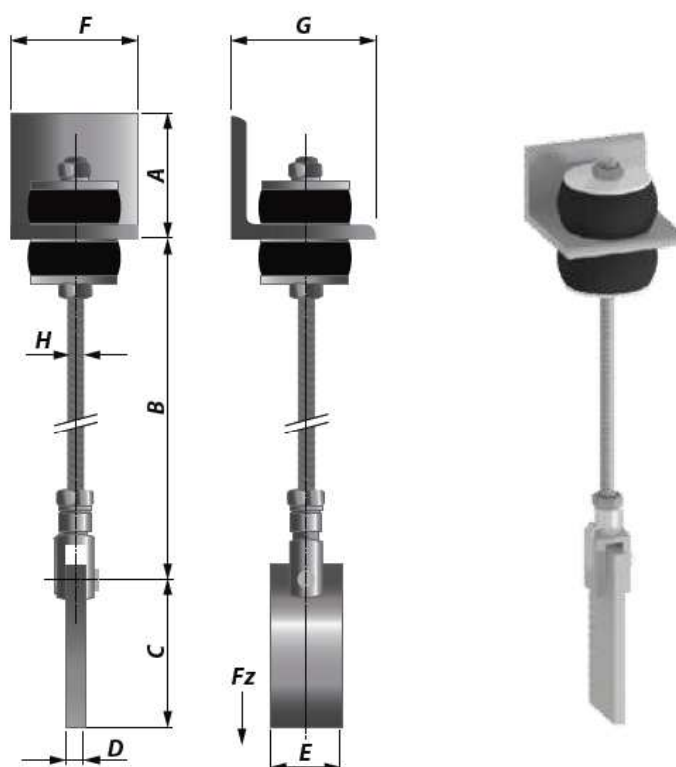


Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H	Weight (kg)	Fz max (kg)	Hardness
PAX 90 - 45°	430104510009	50	320	118	8	50	95	75	M10	1.4	50	45°
PAX 90 - 60°	430106010009	50	320	118	8	50	95	75	M10	1.4	90	60°

SUPPORTING POINTS

SLIDING SUPPORTING POINTS

PAX-300/PAX-450

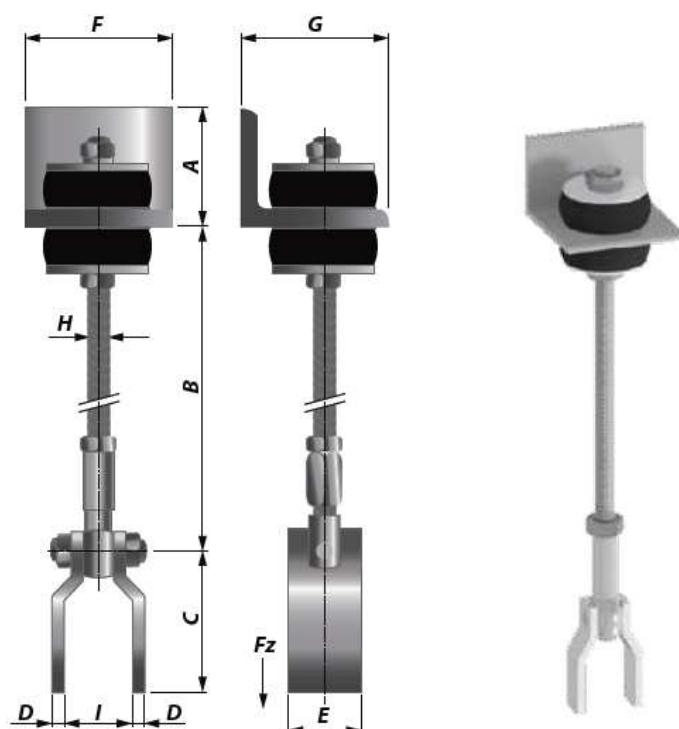


Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H	Weight (kg)	Fz max (kg)	Hard- ness
PAX 300 - 45°	430104512030	65	300	135	10	60	100	100	M12	2.6	175	45°
PAX 300 - 60°	430106012030	65	300	135	10	60	100	100	M12	2.6	250	60°
PAX 450 - 45°	430104516045	80	470	130	15	70	120	120	M16	5.0	300	45°
PAX 450 - 60°	430106016045	80	470	130	15	70	120	120	M16	5.0	450	65

SUPPORTING POINTS

SLIDING SUPPORTING POINTS

PAX-900/PAX-2000/PAX-3600

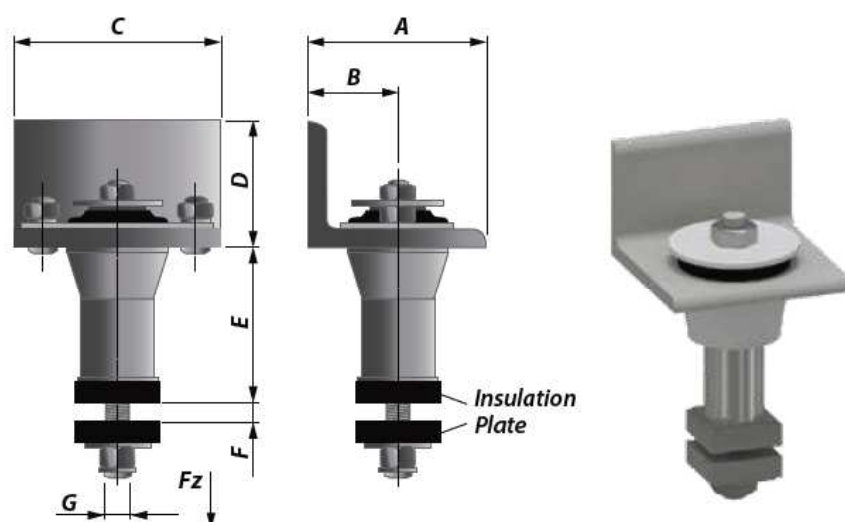


Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H	Weight (kg)	Fz max (kg)	Hardness
PAX 900 - 45°	430104524090	100	530	115	10	40	150	150	M24	70	650	45°
PAX 900 - 60°	430106024090	100	530	115	10	40	150	150	M24	70	900	60°
PAX 2000 - 45°	430104530200	100	530	130	10	50	180	200	M30	80	1000	45°
PAX 2000 - 60°	430106530200	100	530	130	10	50	180	200	M30	80	2000	65°
PAX 3600 - 45°	430104536360	100	555	215	15	65	230	200	M36	140	1800	45°
PAX 3600 - 60°	430106536360	100	555	215	15	65	230	200	M36	140	3600	65°

SUPPORTING POINTS

HANGING SUPPORTING POINTS

VOAX-90/VOAX-520/VOAX-950

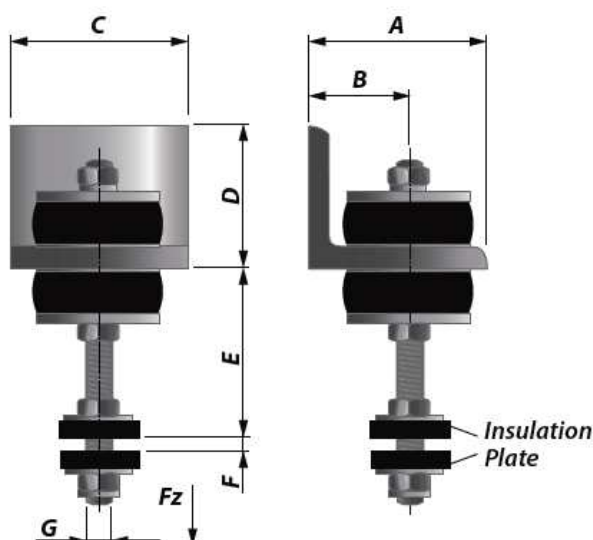


Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Insulation Plate (mm)	Weight (kg)	Fz max (kg)	Hard- ness
VOAX 90-45°	430204510009	75	40	95	50	50	Max. 20	M10	35x35x12	0.9	50	45°
VOAX 90-60°	430206010009	75	40	95	50	50	Max. 20	M10	35x35x12	0.9	90	60°
VOAX 520-45°	430204512052	100	55	110	65	88	Max. 15	M12	40x40x12	2.1	230	45°
VOAX 520-60°	430206012052	100	55	110	65	88	Max. 15	M12	40x40x12	2.1	420	60°
VOAX 520-70°	430207012052	100	55	110	65	88	Max. 15	M12	40x40x12	2.1	520	70°
VOAX 950-45°	430204516950	120	68	135	80	97	Max. 20	M16	50x50x12	3.8	400	45°
VOAX 950-60°	430206016950	120	68	135	80	97	Max. 20	M16	50x50x12	3.8	620	60°
VOAX 950-70°	430207016950	120	68	135	80	97	Max. 20	M16	50x50x12	3.8	950	70°

SUPPORTING POINTS

HANGING SUPPORTING POINTS

VOAX-300/VOAX-450/VOAX-900/VOAX-2000/VOAX-3400

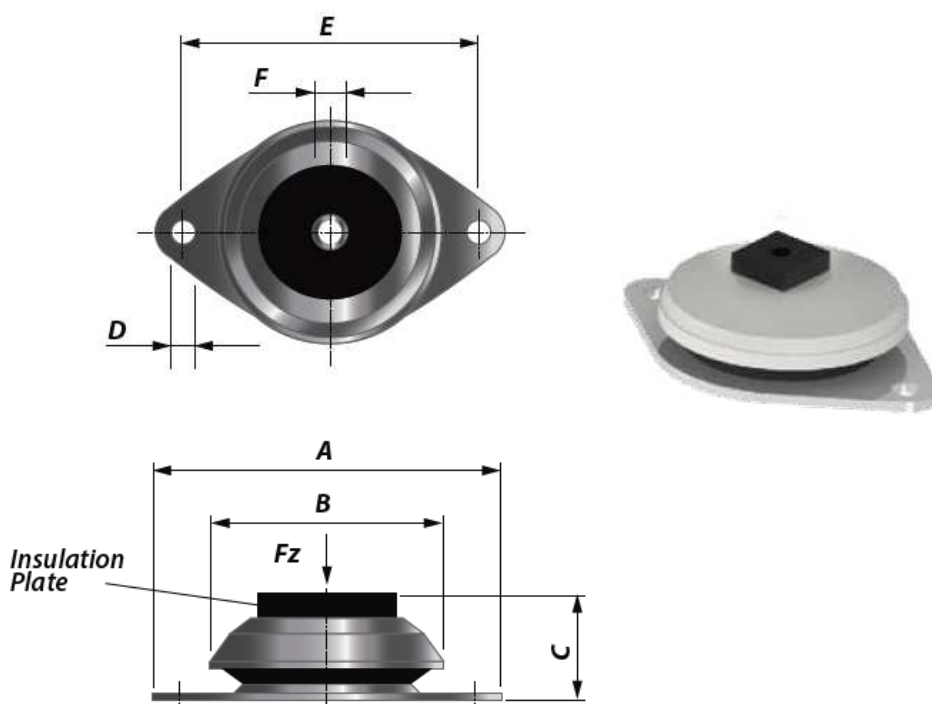


Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	Insulation Plate (mm)	Weight (kg)	Fz max (kg)	Hardness
VOAX 300-45°	430204512030	100	55	65	50	105	M12	40x40x12	1.9	175	45°
VOAX 300-60°	430206012030	100	55	65	50	105	M12	40x40x12	1.9	250	60°
VOAX 450-45°	430204516045	120	65	80	65	100	M16	50x50x12	3.5	300	45°
VOAX 450-60°	430206016045	120	65	80	65	100	M16	50x50x12	3.5	450	60°
VOAX 900-45°	430204524090	150	80	100	65	130	M24	60x60x12	7.3	650	45°
VOAX 0900-60°	430206024090	150	80	100	80	130	M24	60x60x12	7.3	900	60°
VOAX 2000-45°	430204530200	200	110	100	65	130	M30	70x70x12	10.1	1000	45°
VOAX 2000-65°	430206530200	200	110	100	80	130	M30	70x70x12	10.1	2000	60°
VOAX 3400-45°	430104536340	200	110	100	80	155	M36	80x80x12	17.0	1700	45°
VOAX 3400-65°	430106536340	200	110	100	80	155	M36	80x80x12	17.0	3400	60°

SUPPORTING POINTS

STANDING SUPPORTING POINTS

OAX-225/OAX-475

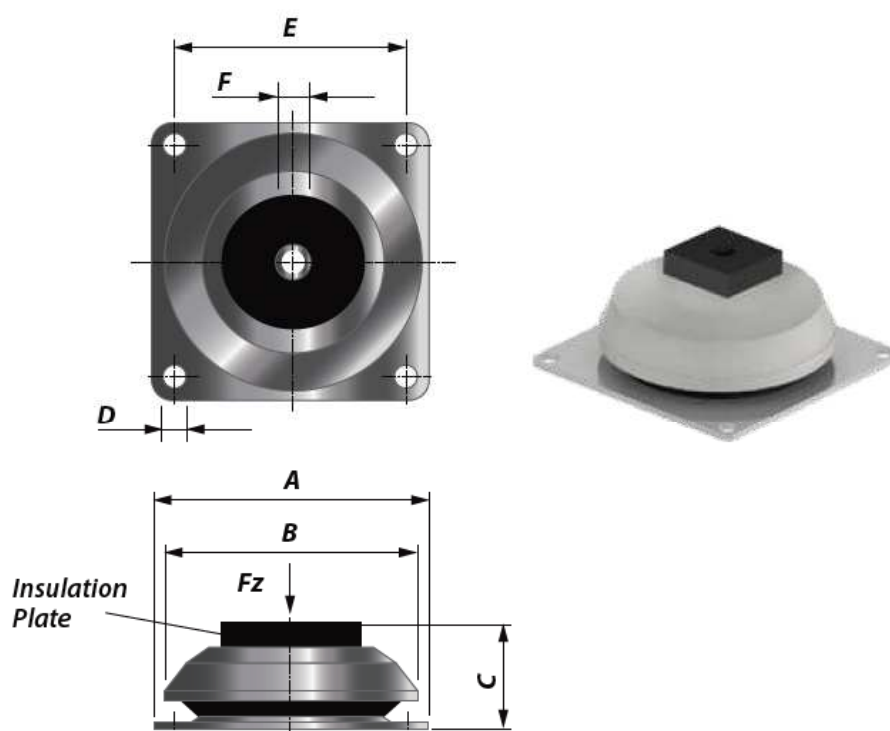


Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Insulation Plate (mm)	Weight (kg)	Fz max (kg)	Hardness
OAX 225-45°	430304512022	134	82	45	11 (2x)	105	M12	40x40x12	0.5	85	45°
OAX 225-55°	430305512022	134	82	45	11 (2x)	105	M12	40x40x12	0.5	160	55°
OAX 225-65°	430306512022	134	82	45	11 (2x)	105	M12	40x40x12	0.5	225	65°
OAX 475-45°	430304512047	170	113	55	13 (2x)	140	M12	40x40x12	1.1	375	45°
OAX 475-55°	430305512047	170	113	55	13 (2x)	140	M12	40x40x12	1.1	500	55°
OAX 475-65°	430306512047	170	113	55	13 (2x)	140	M12	40x40x12	1.1	560	65°

SUPPORTING POINTS

STANDING SUPPORTING POINTS

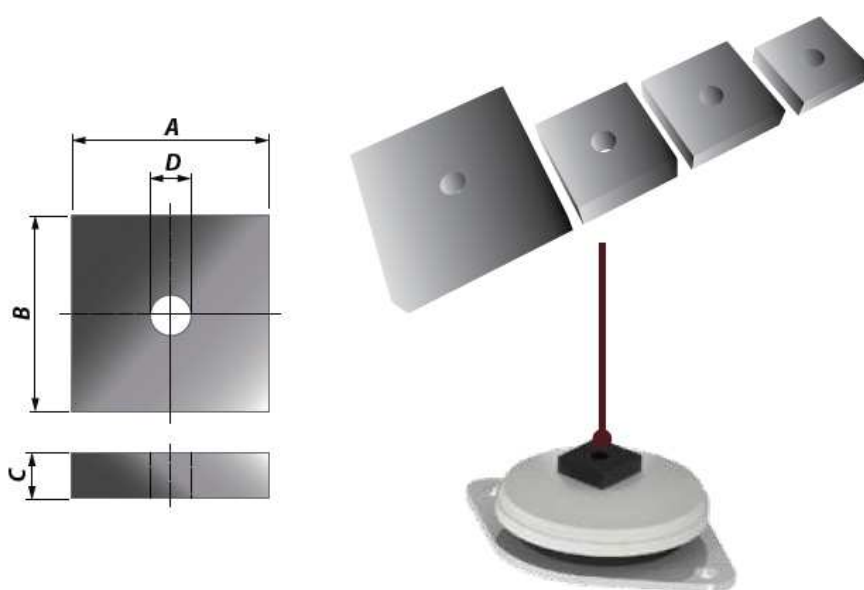
OAX-1400/OAX-3600



Type	Article No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Insulation Plate (mm)	Weight (kg)	Fz max (kg)	Hard- ness
OAX 1400-45°	430304516140	168	150	66	13 (4x)	132	M16	80x80x12	2.2	750	45°
OAX 1400-55°	430305516140	168	150	66	13 (4x)	132	M16	80x80x12	2.2	930	55°
OAX 1400-65°	430306516140	168	150	66	13 (4x)	132	M16	80x80x12	2.2	1180	65°
OAX 3600-45°	430304520360	220	206	94	18 (4x)	180	M20	100x100x20	5.4	2650	45°
OAX 3600-55°	430305520360	220	206	94	18 (4x)	180	M20	100x100x20	5.4	3550	55°
OAX 3600-65°	430306520360	220	206	94	18 (4x)	180	M20	100x100x20	5.4	5200	65°

SUPPORTING POINTS

INSULATION PLATES



Article No.	A (mm)	B (mm)	C (mm)	D (mm)
430000000001	40	40	12	13
430000000002	50	50	12	13
430000000003	50	50	12	17
430000000004	80	80	12	17