

RAMPA Expansion Inserts type SE
in brass without ball are knocked into a pre-drilled hole. While the bolt is being screwed-in, the wings expand and anchor in the wood. Recommendation for the borehole: Length of the insert plus appr. 1,0 mm.

RAMPA Expansion Inserts type SEK in brass with ball are knocked into a pre-drilled hole. The ball assures that the wings expand symmetrically and anchor in the wood. Recommendation for the borehole: Length of the inserts plus appr. 2,0 mm.

RAMPA Nylon Expansion Inserts type SEN without ball are knocked into a pre-drilled hole while being squeezed. The screw expands the wings and anchor in the wood. Recommendation for the borehole: Length of the insert plus appr. 1,0 mm.

Maryland Metrics
<http://mdmetric.com>

XXX = available from stock

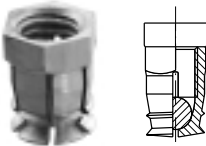
Type SE Article No.	Hex / Ø	Length	Internal Thread	Type	Kilos per 1000	Brass plain
028 407 01	5,5	7,5	M 4	without ball	0,7	XXX
028 410 01	5,5	10	M 4	without ball	1,0	XXX
028 611 01	8	11,5	M 6	without ball	2,0	XXX
028 614 01	8	14,5	M 6	without ball	3,0	XXX



RAMPA Expansion Inserts type SE

XXX = available from stock

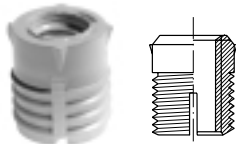
Type SEK Article No.	Hex / Ø	Length	Internal Thread	Type	Kilos per 1000	Brass plain
031 611 01	8	11,5	M 6	with ball	2,0	XXX
031 614 01	8	14,5	M 6	with ball	3,0	XXX



RAMPA Expansion Inserts type SEK

XXX = available from stock

Type SEN Article No.	External Ø	Length	Internal Thread	Kilos per 1000	Nylon
030 410 08	8	10	M 4	0,4	XXX
030 510 08	8	10	M 5	0,4	XXX
030 612 08	10	12,5	M 6	0,7	XXX
030 815 08	12	15	M 8	1,1	XXX



RAMPA Nylon Expansion Inserts type SEN