

RAMPA Knock-in Inserts type TSLZ
are zinc die casts. They have a decorative head and a threaded blind-hole. The teeth prevent the nut from turning.

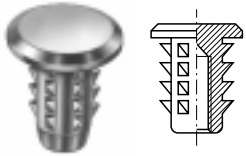
RAMPA Knock-in Inserts type TSZ
are knocked into a pre-drilled hole. Four solid prongs prevent the nut from turning.

Threads available in UNC.
Sizes not included in our range can be requested.

Maryland Metrics
<http://mdmetric.com>

| Type TSLZ Article No. | Head Ø | Shank Ø | Total Length | Internal Thread | Drill Hole Ø | Kilos per 1000 | Die Casting yellow zinc plated ¹⁾ | Die Casting brown coloured ²⁾ | Die Casting nickel plated ³⁾ |
|-----------------------|--------|---------|--------------|-----------------|--------------|----------------|--|--|---|
| 452 412 09. | 11 | 8 | 12,5 | M 4 | 6,0- 6,4 | 2,2 | | | |
| 452 613 09. | 17 | 11 | 13,5 | M 6 | 8,4- 8,8 | 5,2 | XXX | XXX | XXX |
| 452 620 09. | 17 | 11 | 20 | M 6 | 8,4- 8,8 | 6,6 | XXX | XXX | XXX |
| 452 817 09. | 17 | 12,6 | 17,5 | M 8 | 10,0-10,4 | 6,4 | XXX | XXX | |

XXX = available from stock



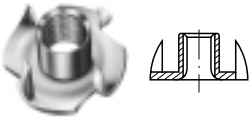
RAMPA Knock-in Inserts type TSLZ

Please complete in order

¹⁾ 2 for die casting yellow zinc plated

²⁾ 7 for die casting brown coloured

³⁾ 3 for die casting nickel plated



RAMPA Knock-in Inserts type TSZ

| Type TSZ Article No. | External Ø | Length | Internal Thread | Kilos per 1000 | Steel zinc plated ¹⁾ | Stainless 1.4301 ²⁾ |
|----------------------|------------|--------|-----------------|----------------|---------------------------------|--------------------------------|
| 450 305 ... | 13 | 5 | M 3 | 1,0 | XXX | |
| 450 406 ... | 15 | 6 | M 4 | 1,5 | XXX | |
| 450 408 ... | 15 | 8 | M 4 | 1,7 | XXX | XXX |
| 450 508 ... | 17 | 8 | M 5 | 3,1 | XXX | XXX |
| 450 512 ... | 17 | 12 | M 5 | 3,5 | XXX | |
| 450 609 ... | 19 | 9 | M 6 | 3,5 | XXX | XXX |
| 450 612 ... | 19 | 12 | M 6 | 3,8 | XXX | |
| 450 614 ... | 19 | 14 | M 6 | 3,9 | XXX | |
| 450 618 ... | 19 | 18 | M 6 | 5,3 | XXX | |
| 450 809 ... | 22 | 9 | M 8 | 6,4 | XXX | |
| 450 811 ... | 22 | 11 | M 8 | 6,8 | XXX | XXX |
| 450 815 ... | 22 | 15 | M 8 | 7,0 | XXX | |
| 450 817 ... | 22 | 17 | M 8 | 8,4 | XXX | |
| 450 820 ... | 22 | 20 | M 8 | 10,0 | XXX | |
| 450 112 ... | 25 | 12 | M 10 | 9,4 | XXX | XXX |
| 450 116 ... | 25 | 16 | M 10 | 9,8 | XXX | |
| 450 214 ... | 27 | 14,5 | M 12 | 12,0 | XXX | |
| 450 666 ...* | 60 | 16 | M 16 | 72,0 | XXX | |
| 450 916 ...* | 60 | 16 | M 20 | 72,0 | XXX | |

XXX = available from stock

Please complete in order

¹⁾ 001 for steel zinc plated

²⁾ 04 for stainless steel 1.4301

*Diameter flattened on 2 sides to 56,0 mm

Two holes (dia. 5,5 mm) 44,0 mm appart