

U40.5.1. Counter-nuts for equipotential bonding and for EMC applications

Painted or powder-coated metal enclosures cannot be included in equipotential bonding without pre-treatment of the connection points. When normal counter-nuts are used, the contact surface must be made non-insulating.

This additional work does not pertain with the use of counter-nuts U 40.5.1. When tightened, the teeth of the counter-nuts wear through the insulating layers of wet or powder painting, creating a conductive contact. The transition resistance between cable gland and enclosure must be with low-impedance. The counter-nuts U 40.5.1 are particularly suited for the attachment of EMC cable glands in enclosure through holes.

In line entry points in enclosures a counter-nut with teeth should always be used with through holes within the scope of EMC measures. The counter-nut is also suitable for vibration-resistant attachment of cable glands.

The counter-nuts U 40.5.1 are particularly well suited for attachment of Ex cable glands for screened lines.

As accessories, they form a constituent of the EC design test certificate: also for UNI Iris® and UNI HF DICHT



Fig. 1

Lock-nut for equipotential bonding

brass nickel-plated
metric thread
as per EN 60 423.

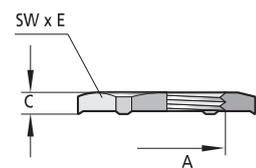


Fig. 2

Nominal size	Article-No.	C	Spanner-width SW x E	
A		mm	mm	
M10x1,0	GMM 210 PA	3,3	15x16,6	50
M12x1,5	GMM 212 PA	3,3	17x18,9	50
M16x1,5	GMM 216 PA	3,5	22x24,4	50
M20x1,5	GMM 220 PA	3,7	24x26,7	50
M25x1,5	GMM 225 PA	4,5	30x33,5	50
M32x1,5	GMM 232 PA	5,0	40x43,5	50
M40x1,5	GMM 240 PA	6,0	50x54	50
M50x1,5	GMM 250 PA	6,2	60x65	25
M63x1,5	GMM 263 PA	7,0	81x87	10

Lock-nut for equipotential bonding

brass nickel-plated
Pg thread

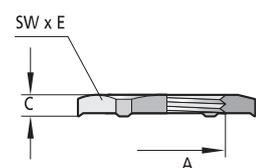


Fig. 3

Nominal size	Article-No.	C	Spanner-width SW x E	
A		mm	mm	
Pg 7	GM 49 PA	3,3	15x16,6	50
Pg 9	GM 50 PA	3,3	18x19,5	50
Pg 11	GM 51 PA	3,5	22x24,4	50
Pg 13,5	GM 52 PA	3,7	24x26,7	50
Pg 16	GM 53 PA	3,7	26x28,8	50
Pg 21	GM 54 PA	4,5	32x35,5	50
Pg 29	GM 55 PA	5,0	40x43,5	50
Pg 36	GM 56 PA	6,0	50x54	25
Pg 42	GM 57 PA	6,2	60x65	10
Pg 48	GM 58 PA	6,7	64x69	10