

HSK-Industry-Ex Standard

Strain relief fittings in all popular thread types and sizes for standard applications in hazardous location type „e“ or „d“ according to EN 50014, EN 50018 and EN 50019:

- Machine, apparatus and plant equipment
- Measuring control and feedback systems
- Control cabinets
- Railroad cars and vehicles
- Industrial installations

and in all applications where excellent performance, fire resistance, and resistance against turning of the cable are critical.

HSK-K-Ex

HSK-M-Ex

HSK-M-PVDF-Ex

HSK-K-MULTI-Ex

HSK-M-MULTI-Ex

HSK-K-FLAKA-Ex

HSK-M-FLAKA-Ex

HSK-INOX-Ex

HSK-INOX-PVDF-Ex

HSK-K-MZ-Ex

HSK-MZ-Ex

HSK-MZ-PVDF-Ex

Liquid tight strain relief fittings made of nylon 6/6

Liquid tight strain relief fittings made of nickel plated brass

Liquid tight strain relief fittings for chemical and high temperature applications made of nickel plated brass and PVDF

Multi-hole liquid tight strain relief fittings made of nylon 6/6

Multi-hole liquid tight strain relief fittings made of nickel plated brass

Liquid tight strain relief fittings for flat cables, made of nylon 6/6

Liquid tight strain relief fittings for flat cables, made of nickel plated brass

Liquid tight strain relief fittings made of stainless steel

Liquid tight strain relief fittings for chemical and high temperature applications made of stainless steel and PVDF

Liquid tight strain relief fittings made of nylon 6/6 and anodized aluminium with additional pull-out resistance and flex protection

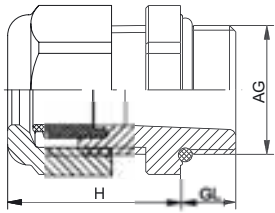
Liquid tight strain relief fittings with additional cable clamp for flex protection, made of nickel plated brass

Liquid tight strain relief fittings for chemical and high temperature applications with additional cable clamp for flex protection, made of nickel plated brass and PVDF



HSK-K-Ex

Mettr.



Material PA (Nylon) V0 according to UL 94
 Seal Buna-N
 O-Ring Buna-N
 Protection IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) within the specified clamping range

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)
 Colors grey RAL 7035
 black RAL 9005
 blue RAL 5012



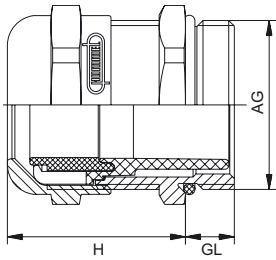
For approvals see page 162

| AG | mm | Ex-Generation | GL mm | H mm | mm | Number grey | Number black | Number blue |
|------------|----------|---------------|-------|------|-------|---------------|---------------|---------------|
| M 12 x 1,5 | 3 - 6,5 | ATEX | 8 | 21 | 15 | 1.291.1200.50 | 1.291.1201.50 | 1.291.1202.50 |
| M 12 x 1,5 | 2 - 5 | ATEX | 8 | 21 | 15 | 1.291.1200.51 | 1.291.1201.51 | 1.291.1202.51 |
| M 16 x 1,5 | 4 - 8 | ATEX | 8 | 22 | 19 | 1.291.1600.50 | 1.291.1601.50 | 1.291.1602.50 |
| M 16 x 1,5 | 3 - 6 | ATEX | 8 | 22 | 19 | 1.291.1600.51 | 1.291.1601.51 | 1.291.1602.51 |
| M 16 x 1,5 | 5 - 10 | ATEX | 8 | 25 | 22 | 1.295.1600.50 | 1.295.1601.50 | 1.295.1602.50 |
| M 16 x 1,5 | 3 - 7 | ATEX | 8 | 25 | 22 | 1.295.1600.51 | 1.295.1601.51 | 1.295.1602.51 |
| M 20 x 1,5 | 6,5 - 12 | ATEX | 9 | 27 | 24 | 1.291.2000.50 | 1.291.2001.50 | 1.291.2002.50 |
| M 20 x 1,5 | 5 - 9 | ATEX | 9 | 27 | 24 | 1.291.2000.51 | 1.291.2001.51 | 1.291.2002.51 |
| M 20 x 1,5 | 10 - 14 | ATEX | 9 | 28 | 27 | 1.295.2000.50 | 1.295.2001.50 | 1.295.2002.50 |
| M 20 x 1,5 | 7 - 12 | ATEX | 9 | 28 | 27 | 1.295.2000.51 | 1.295.2001.51 | 1.295.2002.51 |
| M 25 x 1,5 | 13 - 18 | ATEX | 11 | 31 | 33 | 1.291.2500.50 | 1.291.2501.50 | 1.291.2502.50 |
| M 25 x 1,5 | 9 - 16 | ATEX | 11 | 31 | 33 | 1.291.2500.51 | 1.291.2501.51 | 1.291.2502.51 |
| M 32 x 1,5 | 18 - 25 | ATEX | 11 | 39 | 42 | 1.291.3200.50 | 1.291.3201.50 | 1.291.3202.50 |
| M 32 x 1,5 | 13 - 20 | ATEX | 11 | 39 | 42 | 1.291.3200.51 | 1.291.3201.51 | 1.291.3202.51 |
| M 40 x 1,5 | 22 - 32 | ATEX | 13 | 48 | 53 | 1.291.4000.50 | 1.291.4001.50 | 1.291.4002.50 |
| M 40 x 1,5 | 20 - 26 | ATEX | 13 | 48 | 53 | 1.291.4000.51 | 1.291.4001.51 | 1.291.4002.51 |
| M 50 x 1,5 | 32 - 38 | ATEX | 13 | 49 | 60 | 1.291.5000.50 | 1.291.5001.50 | 1.291.5002.50 |
| M 50 x 1,5 | 25 - 31 | ATEX | 13 | 49 | 60 | 1.291.5000.51 | 1.291.5001.51 | 1.291.5002.51 |
| M 63 x 1,5 | 37 - 44 | ATEX | 14 | 49 | 65/68 | 1.291.6300.50 | 1.291.6301.50 | 1.291.6302.50 |
| M 63 x 1,5 | 29 - 35 | ATEX | 14 | 49 | 65/68 | 1.291.6300.51 | 1.291.6301.51 | 1.291.6302.51 |



HSK-M/-PVDF-Ex

Mettr.



ATEX



II 2G 1D



Material
Clamping insert
Seal
O-Ring
Protection

Nickel plated brass
PA (Nylon) / PVDF
Buna-N / FPM
Buna-N / FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



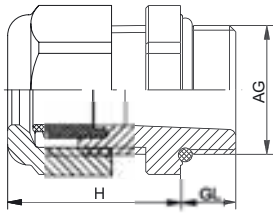
For approvals see page 162

| AG | \varnothing mm | Ex- Generation | GL mm | H mm | \varnothing mm | HSK-M-Ex | HSK-M-Ex | HSK-M-PVDF-Ex |
|------------|---------------------|-------------------|----------|---------|---------------------|--------------------------------|----------------------------------|---------------------------------|
| | | | | | | -20°C – 95°C (-4°F – 203°F) | -60°C – 105°C (-76°F – 221°F) | -20°C – 130°C (-4°F – 266°F) |
| M 12 x 1,5 | 3 - 6,5 | ATEX | 6,5 | 19 | 14 | 1.610.1200.50 | 1.640.1200.50 | 1.660.1200.50 |
| M 12 x 1,5 | 2 - 5 | ATEX | 6,5 | 19 | 14 | 1.610.1200.51 | 1.640.1200.51 | 1.660.1200.51 |
| M 16 x 1,5 | 4 - 8 | ATEX | 6 | 21 | 17 / 19 | 1.610.1600.50 | 1.640.1600.50 | 1.660.1600.50 |
| M 16 x 1,5 | 2 - 6 | ATEX | 6 | 21 | 17 / 19 | 1.610.1600.51 | 1.640.1600.51 | 1.660.1600.51 |
| M 16 x 1,5 | 6 - 10 | ATEX | 6 | 22 | 20 | 1.610.1611.50 | 1.640.1611.50 | 1.660.1611.50 |
| M 16 x 1,5 | 3 - 7 | ATEX | 6 | 22 | 20 | 1.610.1611.51 | 1.640.1611.51 | 1.660.1611.51 |
| M 20 x 1,5 | 6 - 12 | ATEX | 6 | 23 | 22 | 1.610.2000.50 | 1.640.2000.50 | 1.660.2000.50 |
| M 20 x 1,5 | 5 - 9 | ATEX | 6 | 23 | 22 | 1.610.2000.51 | 1.640.2000.51 | 1.660.2000.51 |
| M 20 x 1,5 | 10 - 14 | ATEX | 6 | 24 | 24 | 1.610.2016.50 | 1.640.2016.50 | 1.660.2016.50 |
| M 20 x 1,5 | 7 - 12 | ATEX | 6 | 24 | 24 | 1.610.2016.51 | 1.640.2016.51 | 1.660.2016.51 |
| M 25 x 1,5 | 14 - 18 | ATEX | 7 | 26 | 30 | 1.610.2500.50 | 1.640.2500.50 | 1.660.2500.50 |
| M 25 x 1,5 | 10 - 16 | ATEX | 7 | 26 | 30 | 1.610.2500.51 | 1.640.2500.51 | 1.660.2500.51 |
| M 32 x 1,5 | 20 - 25 | ATEX | 8 | 31 | 40 | 1.610.3200.50 | 1.640.3200.50 | 1.660.3200.50 |
| M 32 x 1,5 | 13 - 20 | ATEX | 8 | 31 | 40 | 1.610.3200.51 | 1.640.3200.51 | 1.660.3200.51 |
| M 40 x 1,5 | 22 - 32 | ATEX | 8 | 37 | 50 | 1.610.4000.50 | 1.640.4000.50 | 1.660.4000.50 |
| M 40 x 1,5 | 20 - 26 | ATEX | 8 | 37 | 50 | 1.610.4000.51 | 1.640.4000.51 | 1.660.4000.51 |
| M 50 x 1,5 | 32 - 38 | ATEX | 9 | 37 | 57 | 1.610.5000.50 | 1.640.5000.50 | |
| M 50 x 1,5 | 25 - 31 | ATEX | 9 | 37 | 57 | 1.610.5000.51 | 1.640.5000.51 | |
| M 63 x 1,5 | 37 - 44 | ATEX | 10 | 38 | 64 / 68 | 1.610.6300.50 | 1.640.6300.50 | |
| M 63 x 1,5 | 29 - 35 | ATEX | 10 | 38 | 64 / 68 | 1.610.6300.51 | 1.640.6300.51 | |



HSK-K-Ex

Metr.-elongated



Material PA (Nylon) V0 according to UL 94
 Seal Buna-N
 O-Ring Buna-N
 Protection IP 68 – 10 bar / IP 69K
 (NEMA 6 – 150 PSIG)
 within the specified clamping range

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)
 Colors grey RAL 7035
 black RAL 9005
 blue RAL 5012



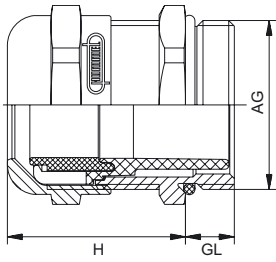
For approvals see page 162

| AG | mm | Ex-Generation | GL mm | H mm | mm | Number grey | Number black | Number blue |
|------------|----------|---------------|-------|------|-------|---------------|---------------|---------------|
| M 12 x 1,5 | 3 - 6,5 | ATEX | 15 | 21 | 15 | 1.291.1200.30 | 1.291.1201.30 | 1.291.1202.30 |
| M 12 x 1,5 | 2 - 5 | ATEX | 15 | 21 | 15 | 1.291.1200.31 | 1.291.1201.31 | 1.291.1202.31 |
| M 16 x 1,5 | 4 - 8 | ATEX | 15 | 22 | 19 | 1.291.1600.30 | 1.291.1601.30 | 1.291.1602.30 |
| M 16 x 1,5 | 3 - 6 | ATEX | 15 | 22 | 19 | 1.291.1600.31 | 1.291.1601.31 | 1.291.1602.31 |
| M 16 x 1,5 | 5 - 10 | ATEX | 15 | 25 | 22 | 1.295.1600.30 | 1.295.1601.30 | 1.295.1602.30 |
| M 16 x 1,5 | 3 - 7 | ATEX | 15 | 25 | 22 | 1.295.1600.31 | 1.295.1601.31 | 1.295.1602.31 |
| M 20 x 1,5 | 6,5 - 12 | ATEX | 15 | 27 | 24 | 1.291.2000.30 | 1.291.2001.30 | 1.291.2002.30 |
| M 20 x 1,5 | 5 - 9 | ATEX | 15 | 27 | 24 | 1.291.2000.31 | 1.291.2001.31 | 1.291.2002.31 |
| M 20 x 1,5 | 10 - 14 | ATEX | 15 | 28 | 27 | 1.295.2000.30 | 1.295.2001.30 | 1.295.2002.30 |
| M 20 x 1,5 | 7 - 12 | ATEX | 15 | 28 | 27 | 1.295.2000.31 | 1.295.2001.31 | 1.295.2002.31 |
| M 25 x 1,5 | 13 - 18 | ATEX | 15 | 31 | 33 | 1.291.2500.30 | 1.291.2501.30 | 1.291.2502.30 |
| M 25 x 1,5 | 9 - 16 | ATEX | 15 | 31 | 33 | 1.291.2500.31 | 1.291.2501.31 | 1.291.2502.31 |
| M 32 x 1,5 | 18 - 25 | ATEX | 15 | 39 | 42 | 1.291.3200.30 | 1.291.3201.30 | 1.291.3202.30 |
| M 32 x 1,5 | 13 - 20 | ATEX | 15 | 39 | 42 | 1.291.3200.31 | 1.291.3201.31 | 1.291.3202.31 |
| M 40 x 1,5 | 22 - 32 | ATEX | 18 | 48 | 53 | 1.291.4000.30 | 1.291.4001.30 | 1.291.4002.30 |
| M 40 x 1,5 | 20 - 26 | ATEX | 18 | 48 | 53 | 1.291.4000.31 | 1.291.4001.31 | 1.291.4002.31 |
| M 50 x 1,5 | 32 - 38 | ATEX | 18 | 49 | 60 | 1.291.5000.30 | 1.291.5001.30 | 1.291.5002.30 |
| M 50 x 1,5 | 25 - 31 | ATEX | 18 | 49 | 60 | 1.291.5000.31 | 1.291.5001.31 | 1.291.5002.31 |
| M 63 x 1,5 | 37 - 44 | ATEX | 18 | 49 | 65/68 | 1.291.6300.30 | 1.291.6301.30 | 1.291.6302.30 |
| M 63 x 1,5 | 29 - 35 | ATEX | 18 | 49 | 65/68 | 1.291.6300.31 | 1.291.6301.31 | 1.291.6302.31 |



HSK-M/-PVDF-Ex

Metr.-elongated



ATEX



Material
Clamping insert
Seal
O-Ring
Protection

Nickel plated brass
PA (Nylon) / PVDF
Buna-N / FPM
Buna-N / FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



RoHS



II 2G 1D



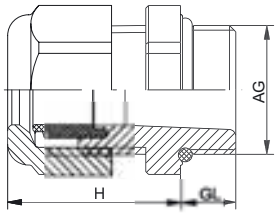
For approvals see page 162

| AG | mm | Ex- Generation | GL mm | H mm | mm | HSK-M-Ex | HSK-M-Ex | HSK-M-PVDF-Ex |
|------------|---------|-------------------|----------|---------|---------|--------------------------------|----------------------------------|---------------------------------|
| | | | | | | -20°C – 95°C (-4°F – 203°F) | -60°C – 105°C (-76°F – 221°F) | -20°C – 130°C (-4°F – 266°F) |
| M 12 x 1,5 | 3 - 6,5 | ATEX | 10 | 19 | 14 | 1.610.1200.30 | 1.640.1200.30 | 1.660.1200.30 |
| M 12 x 1,5 | 2 - 5 | ATEX | 10 | 19 | 14 | 1.610.1200.31 | 1.640.1200.31 | 1.660.1200.31 |
| M 16 x 1,5 | 4 - 8 | ATEX | 10 | 21 | 17 / 19 | 1.610.1600.30 | 1.640.1600.30 | 1.660.1600.30 |
| M 16 x 1,5 | 2 - 6 | ATEX | 10 | 21 | 17 / 19 | 1.610.1600.31 | 1.640.1600.31 | 1.660.1600.31 |
| M 16 x 1,5 | 6 - 10 | ATEX | 10 | 22 | 20 | 1.610.1611.30 | 1.640.1611.30 | 1.660.1611.30 |
| M 16 x 1,5 | 3 - 7 | ATEX | 10 | 22 | 20 | 1.610.1611.31 | 1.640.1611.31 | 1.660.1611.31 |
| M 20 x 1,5 | 6 - 12 | ATEX | 10 | 23 | 22 | 1.610.2000.30 | 1.640.2000.30 | 1.660.2000.30 |
| M 20 x 1,5 | 5 - 9 | ATEX | 10 | 23 | 22 | 1.610.2000.31 | 1.640.2000.31 | 1.660.2000.31 |
| M 20 x 1,5 | 10 - 14 | ATEX | 10 | 24 | 24 | 1.610.2016.30 | 1.640.2016.30 | 1.660.2016.30 |
| M 20 x 1,5 | 7 - 12 | ATEX | 10 | 24 | 24 | 1.610.2016.31 | 1.640.2016.31 | 1.660.2016.31 |
| M 25 x 1,5 | 14 - 18 | ATEX | 12 | 26 | 30 | 1.610.2500.30 | 1.640.2500.30 | 1.660.2500.30 |
| M 25 x 1,5 | 10 - 16 | ATEX | 12 | 26 | 30 | 1.610.2500.31 | 1.640.2500.31 | 1.660.2500.31 |
| M 32 x 1,5 | 20 - 25 | ATEX | 12 | 31 | 40 | 1.610.3200.30 | 1.640.3200.30 | 1.660.3200.30 |
| M 32 x 1,5 | 13 - 20 | ATEX | 12 | 31 | 40 | 1.610.3200.31 | 1.640.3200.31 | 1.660.3200.31 |
| M 40 x 1,5 | 22 - 32 | ATEX | 15 | 37 | 50 | 1.610.4000.30 | 1.640.4000.30 | 1.660.4000.30 |
| M 40 x 1,5 | 20 - 26 | ATEX | 15 | 37 | 50 | 1.610.4000.31 | 1.640.4000.31 | 1.660.4000.31 |
| M 50 x 1,5 | 32 - 38 | ATEX | 15 | 37 | 57 | 1.610.5000.30 | 1.640.5000.30 | |
| M 50 x 1,5 | 25 - 31 | ATEX | 15 | 37 | 57 | 1.610.5000.31 | 1.640.5000.31 | |
| M 63 x 1,5 | 37 - 44 | ATEX | 15 | 38 | 64 / 68 | 1.610.6300.30 | 1.640.6300.30 | |
| M 63 x 1,5 | 29 - 35 | ATEX | 15 | 38 | 64 / 68 | 1.610.6300.31 | 1.640.6300.31 | |



HSK-K-Ex

PG



ATEX



II 2G 1D



Material
Seal
O-Ring
Protection



PA (Nylon) V0 acc. to UL 94
Buna-N
Buna-N
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



Operation
Temperature
Colors

-20 °C – 95 °C (-4 °F – 203 °F)
grey RAL 7035
black RAL 9005
blue RAL 5012

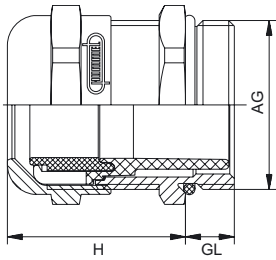
For approvals see page 162

| AG |  mm | Ex- Generation | GL mm | H mm |  mm | Number grey | Number black | Number blue |
|---------|---|-------------------|----------|---------|---|----------------|-----------------|----------------|
| PG 7 | 3 - 6,5 | ATEX | 8 | 21 | 15 | 1.291.0700.14 | 1.291.0701.14 | 1.291.0702.14 |
| PG 7 | 2 - 5 | ATEX | 8 | 21 | 15 | 1.291.0700.15 | 1.291.0701.15 | 1.291.0702.15 |
| PG 9 | 4 - 8 | ATEX | 8 | 22 | 19 | 1.291.0900.14 | 1.291.0901.14 | 1.291.0902.14 |
| PG 9 | 3 - 6 | ATEX | 8 | 22 | 19 | 1.291.0900.15 | 1.291.0901.15 | 1.291.0902.15 |
| PG 11 | 5 - 10 | ATEX | 8 | 25 | 22 | 1.291.1100.14 | 1.291.1101.14 | 1.291.1102.14 |
| PG 11 | 3 - 7 | ATEX | 8 | 25 | 22 | 1.291.1100.15 | 1.291.1101.15 | 1.291.1102.15 |
| PG 13,5 | 6,5 - 12 | ATEX | 9 | 27 | 24 | 1.291.1300.14 | 1.291.1301.14 | 1.291.1302.14 |
| PG 13,5 | 5 - 9 | ATEX | 9 | 27 | 24 | 1.291.1300.15 | 1.291.1301.15 | 1.291.1302.15 |
| PG 16 | 10 - 14 | ATEX | 10 | 28 | 27 | 1.291.1600.14 | 1.291.1601.14 | 1.291.1602.14 |
| PG 16 | 7 - 12 | ATEX | 10 | 28 | 27 | 1.291.1600.15 | 1.291.1601.15 | 1.291.1602.15 |
| PG 21 | 13 - 18 | ATEX | 11 | 31 | 33 | 1.291.2100.14 | 1.291.2101.14 | 1.291.2102.14 |
| PG 21 | 9 - 16 | ATEX | 11 | 31 | 33 | 1.291.2100.15 | 1.291.2101.15 | 1.291.2102.15 |
| PG 29 | 18 - 25 | ATEX | 11 | 39 | 42 | 1.291.2900.14 | 1.291.2901.14 | 1.291.2902.14 |
| PG 29 | 13 - 20 | ATEX | 11 | 39 | 42 | 1.291.2900.15 | 1.291.2901.15 | 1.291.2902.15 |
| PG 36 | 22 - 32 | ATEX | 13 | 48 | 53 | 1.291.3600.14 | 1.291.3601.14 | 1.291.3602.14 |
| PG 36 | 20 - 26 | ATEX | 13 | 48 | 53 | 1.291.3600.15 | 1.291.3601.15 | 1.291.3602.15 |
| PG 42 | 32 - 38 | ATEX | 13 | 49 | 60 | 1.291.4200.14 | 1.291.4201.14 | 1.291.4202.14 |
| PG 42 | 25 - 31 | ATEX | 13 | 49 | 60 | 1.291.4200.15 | 1.291.4201.15 | 1.291.4202.15 |
| PG 48 | 37 - 44 | ATEX | 14 | 49 | 65 | 1.291.4800.14 | 1.291.4801.14 | 1.291.4802.14 |
| PG 48 | 29 - 35 | ATEX | 14 | 49 | 65 | 1.291.4800.15 | 1.291.4801.15 | 1.291.4802.15 |



HSK-M/-PVDF-Ex

PG



Material: Nickel plated brass
 Clamping insert: PA (Nylon) / PVDF
 Seal: Buna-N / FPM
 O-Ring: Buna-N / FPM
 Protection: IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) within the specified clamping range

RoHS

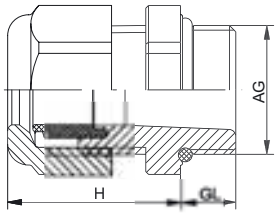
For approvals see page 162

| AG | \varnothing mm | Ex- Generation | GL mm | H mm | \varnothing mm | HSK-M-Ex -20°C – 95°C (-4°F – 203°F) | HSK-M-Ex -60°C – 105°C (-76°F – 221°F) | HSK-M-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|---------|---------------------|-------------------|----------|---------|---------------------|--|--|--|
| PG 7 | 3 - 6,5 | ATEX | 5 | 19 | 14 | 1.610.0700.01 | 1.640.0700.01 | 1.660.0700.01 |
| PG 7 | 2 - 5 | ATEX | 5 | 19 | 14 | 1.610.0700.15 | 1.640.0700.15 | 1.660.0700.15 |
| PG 9 | 4 - 8 | ATEX | 6 | 21 | 17 | 1.610.0900.01 | 1.640.0900.01 | 1.660.0900.01 |
| PG 9 | 2 - 6 | ATEX | 6 | 21 | 17 | 1.610.0900.15 | 1.640.0900.15 | 1.660.0900.15 |
| PG 11 | 6 - 10 | ATEX | 6 | 22 | 20 | 1.610.1100.01 | 1.640.1100.01 | 1.660.1100.01 |
| PG 11 | 3 - 7 | ATEX | 6 | 22 | 20 | 1.610.1100.15 | 1.640.1100.15 | 1.660.1100.15 |
| PG 13,5 | 6 - 12 | ATEX | 6,5 | 24 | 22 | 1.610.1300.01 | 1.640.1300.01 | 1.660.1300.01 |
| PG 13,5 | 5 - 9 | ATEX | 6,5 | 24 | 22 | 1.610.1300.15 | 1.640.1300.15 | 1.660.1300.15 |
| PG 16 | 10 - 14 | ATEX | 6,5 | 23 | 24 | 1.610.1600.01 | 1.640.1600.01 | 1.660.1600.01 |
| PG 16 | 7 - 12 | ATEX | 6,5 | 23 | 24 | 1.610.1600.15 | 1.640.1600.15 | 1.660.1600.15 |
| PG 21 | 14 - 18 | ATEX | 7 | 24 | 30 | 1.610.2100.01 | 1.640.2100.01 | 1.660.2100.01 |
| PG 21 | 10 - 16 | ATEX | 7 | 24 | 30 | 1.610.2100.15 | 1.640.2100.15 | 1.660.2100.15 |
| PG 29 | 20 - 25 | ATEX | 8 | 29 | 40 | 1.610.2900.01 | 1.640.2900.01 | 1.660.2900.01 |
| PG 29 | 13 - 20 | ATEX | 8 | 29 | 40 | 1.610.2900.15 | 1.640.2900.15 | 1.660.2900.15 |
| PG 36 | 22 - 32 | ATEX | 8 | 35 | 50 | 1.610.3600.01 | 1.640.3600.01 | 1.660.3600.01 |
| PG 36 | 20 - 26 | ATEX | 8 | 35 | 50 | 1.610.3600.15 | 1.640.3600.15 | 1.660.3600.15 |
| PG 42 | 32 - 38 | ATEX | 9 | 37 | 57 | 1.610.4200.01 | 1.640.4200.01 | 1.660.4200.01 |
| PG 42 | 25 - 31 | ATEX | 9 | 37 | 57 | 1.610.4200.15 | 1.640.4200.15 | 1.660.4200.15 |
| PG 48 | 37 - 44 | ATEX | 10 | 38 | 64 | 1.610.4800.01 | 1.640.4800.01 | 1.660.4800.01 |
| PG 48 | 29 - 35 | ATEX | 10 | 38 | 64 | 1.610.4800.15 | 1.640.4800.15 | 1.660.4800.15 |



HSK-K-Ex

PG-elongated



Material
Seal
O-Ring
Protection



PA (Nylon) V0 acc. to UL 94
Buna-N
Buna-N
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range

RoHS

Operating
Temperature
Colors

-20 °C – 95 °C (-4 °F – 203 °F)
grey RAL 7035
black RAL 9005
blue RAL 5012

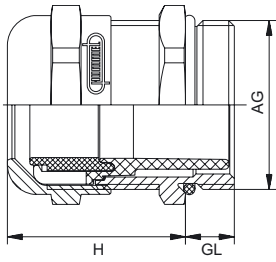
For approvals see page 162

| AG |  mm | Ex- Generation | GL mm | H mm |  mm | Number grey | Number black | Number blue |
|---------|---|-------------------|----------|---------|---|----------------|-----------------|----------------|
| PG 7 | 3 - 6,5 | ATEX | 15 | 21 | 15 | 1.291.0700.60 | 1.291.0701.60 | 1.291.0702.60 |
| PG 7 | 2 - 5 | ATEX | 15 | 21 | 15 | 1.291.0700.61 | 1.291.0701.61 | 1.291.0702.61 |
| PG 9 | 4 - 8 | ATEX | 15 | 22 | 19 | 1.291.0900.60 | 1.291.0901.60 | 1.291.0902.60 |
| PG 9 | 3 - 6 | ATEX | 15 | 22 | 19 | 1.291.0900.61 | 1.291.0901.61 | 1.291.0902.61 |
| PG 11 | 5 - 10 | ATEX | 15 | 25 | 22 | 1.291.1100.60 | 1.291.1101.60 | 1.291.1102.60 |
| PG 11 | 3 - 7 | ATEX | 15 | 25 | 22 | 1.291.1100.61 | 1.291.1101.61 | 1.291.1102.61 |
| PG 13,5 | 6,5 - 12 | ATEX | 15 | 27 | 24 | 1.291.1300.60 | 1.291.1301.60 | 1.291.1302.60 |
| PG 13,5 | 5 - 9 | ATEX | 15 | 27 | 24 | 1.291.1300.61 | 1.291.1301.61 | 1.291.1302.61 |
| PG 16 | 10 - 14 | ATEX | 15 | 28 | 27 | 1.291.1600.60 | 1.291.1601.60 | 1.291.1602.60 |
| PG 16 | 7 - 12 | ATEX | 15 | 28 | 27 | 1.291.1600.61 | 1.291.1601.61 | 1.291.1602.61 |
| PG 21 | 13 - 18 | ATEX | 15 | 31 | 33 | 1.291.2100.60 | 1.291.2101.60 | 1.291.2102.60 |
| PG 21 | 9 - 16 | ATEX | 15 | 31 | 33 | 1.291.2100.61 | 1.291.2101.61 | 1.291.2102.61 |
| PG 29 | 18 - 25 | ATEX | 15 | 39 | 42 | 1.291.2900.60 | 1.291.2901.60 | 1.291.2902.60 |
| PG 29 | 13 - 20 | ATEX | 15 | 39 | 42 | 1.291.2900.61 | 1.291.2901.61 | 1.291.2902.61 |
| PG 36 | 22 - 32 | ATEX | 18 | 48 | 53 | 1.291.3600.60 | 1.291.3601.60 | 1.291.3602.60 |
| PG 36 | 20 - 26 | ATEX | 18 | 48 | 53 | 1.291.3600.61 | 1.291.3601.61 | 1.291.3602.61 |
| PG 42 | 32 - 38 | ATEX | 18 | 49 | 60 | 1.291.4200.60 | 1.291.4201.60 | 1.291.4202.60 |
| PG 42 | 25 - 31 | ATEX | 18 | 49 | 60 | 1.291.4200.61 | 1.291.4201.61 | 1.291.4202.61 |
| PG 48 | 37 - 44 | ATEX | 18 | 49 | 65 | 1.291.4800.60 | 1.291.4801.60 | 1.291.4802.60 |
| PG 48 | 29 - 35 | ATEX | 18 | 49 | 65 | 1.291.4800.61 | 1.291.4801.61 | 1.291.4802.61 |



HSK-M/-PVDF-Ex

PG-elongated



Material
Clamping insert
Seal
O-Ring
Protection

Nickel plated brass
PA (Nylon) / PVDF
Buna-N / FPM
Buna-N / FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range

RoHS

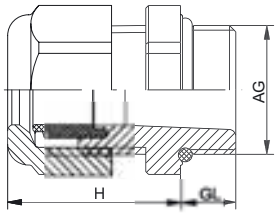
For approvals see page 162

| AG | \varnothing mm | Ex- Generation | GL mm | H mm | \varnothing mm | HSK-M-Ex -20°C – 95°C (-4°F – 203°F) | HSK-M-Ex -60°C – 105°C (-76°F – 221°F) | HSK-M-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|---------|---------------------|-------------------|----------|---------|---------------------|--|--|--|
| PG 7 | 3 - 6,5 | ATEX | 10 | 19 | 14 | 1.610.0700.60 | 1.640.0700.60 | 1.660.0700.60 |
| PG 7 | 2 - 5 | ATEX | 10 | 19 | 14 | 1.610.0700.61 | 1.640.0700.61 | 1.660.0700.61 |
| PG 9 | 4 - 8 | ATEX | 10 | 21 | 17 | 1.610.0900.60 | 1.640.0900.60 | 1.660.0900.60 |
| PG 9 | 2 - 6 | ATEX | 10 | 21 | 17 | 1.610.0900.61 | 1.640.0900.61 | 1.660.0900.61 |
| PG 11 | 6 - 10 | ATEX | 10 | 22 | 20 | 1.610.1100.60 | 1.640.1100.60 | 1.660.1100.60 |
| PG 11 | 3 - 7 | ATEX | 10 | 22 | 20 | 1.610.1100.61 | 1.640.1100.61 | 1.660.1100.61 |
| PG 13,5 | 6 - 12 | ATEX | 10 | 24 | 22 | 1.610.1300.60 | 1.640.1300.60 | 1.660.1300.60 |
| PG 13,5 | 5 - 9 | ATEX | 10 | 24 | 22 | 1.610.1300.61 | 1.640.1300.61 | 1.660.1300.61 |
| PG 16 | 10 - 14 | ATEX | 10 | 23 | 24 | 1.610.1600.60 | 1.640.1600.60 | 1.660.1600.60 |
| PG 16 | 7 - 12 | ATEX | 10 | 23 | 24 | 1.610.1600.61 | 1.640.1600.61 | 1.660.1600.61 |
| PG 21 | 14 - 18 | ATEX | 12 | 24 | 30 | 1.610.2100.60 | 1.640.2100.60 | 1.660.2100.60 |
| PG 21 | 10 - 16 | ATEX | 12 | 24 | 30 | 1.610.2100.61 | 1.640.2100.61 | 1.660.2100.61 |
| PG 29 | 20 - 25 | ATEX | 12 | 29 | 40 | 1.610.2900.60 | 1.640.2900.60 | 1.660.2900.60 |
| PG 29 | 13 - 20 | ATEX | 12 | 29 | 40 | 1.610.2900.61 | 1.640.2900.61 | 1.660.2900.61 |
| PG 36 | 22 - 32 | ATEX | 15 | 35 | 50 | 1.610.3600.60 | 1.640.3600.60 | 1.660.3600.60 |
| PG 36 | 20 - 26 | ATEX | 15 | 35 | 50 | 1.610.3600.61 | 1.640.3600.61 | 1.660.3600.61 |
| PG 42 | 32 - 38 | ATEX | 15 | 37 | 57 | 1.610.4200.60 | 1.640.4200.60 | 1.660.4200.60 |
| PG 42 | 25 - 31 | ATEX | 15 | 37 | 57 | 1.610.4200.61 | 1.640.4200.61 | 1.660.4200.61 |
| PG 48 | 37 - 44 | ATEX | 15 | 38 | 64 | 1.610.4800.60 | 1.640.4800.60 | 1.660.4800.60 |
| PG 48 | 29 - 35 | ATEX | 15 | 38 | 64 | 1.610.4800.61 | 1.640.4800.61 | 1.660.4800.61 |



HSK-K-Ex

NPT



ATEX



II 2G 1D



Material
Seal
O-Ring
Protection



PA (Nylon) V0 according to UL 94
Buna-N
Buna-N
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



Operating
Temperature
Colors

-20 °C – 95 °C (-4 °F – 203 °F)
grey RAL 7035
black RAL 9005
blue RAL 5012

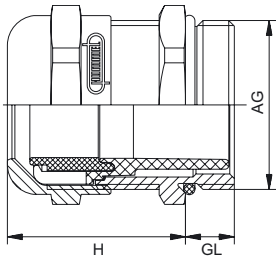
For approvals see page 162

| AG |  mm | Ex- Generation | GL mm | H mm |  mm | Number grey | Number black | Number blue |
|-------------|---|-------------------|----------|---------|---|----------------|-----------------|----------------|
| 3/8" NPT | 4 - 8 | ATEX | 15 | 22 | 22/19 | 1.291.3800.70 | 1.291.3801.70 | 1.291.3802.70 |
| 3/8" NPT | 2 - 6 | ATEX | 15 | 22 | 22/19 | 1.291.3800.71 | 1.291.3801.71 | 1.291.3802.71 |
| 1/2" NPT | 6,5 - 12 | ATEX | 13 | 27 | 24 | 1.291.1200.70 | 1.291.1201.70 | 1.291.1202.70 |
| 1/2" NPT | 5 - 9 | ATEX | 13 | 27 | 24 | 1.291.1200.71 | 1.291.1201.71 | 1.291.1202.71 |
| 1/2" NPT/16 | 10 - 14 | ATEX | 13 | 28 | 27 | 1.291.1216.70 | 1.291.1217.70 | 1.291.1218.70 |
| 1/2" NPT/16 | 7 - 12 | ATEX | 13 | 28 | 27 | 1.291.1216.71 | 1.291.1217.71 | 1.291.1218.71 |
| 3/4" NPT | 13 - 18 | ATEX | 14 | 31 | 33 | 1.291.3400.70 | 1.291.3401.70 | 1.291.3402.70 |
| 3/4" NPT | 9 - 16 | ATEX | 14 | 31 | 33 | 1.291.3400.71 | 1.291.3401.71 | 1.291.3402.71 |
| 1" NPT | 18 - 25 | ATEX | 19 | 39 | 42 | 1.291.1000.70 | 1.291.1001.70 | 1.291.1002.70 |
| 1" NPT | 13 - 20 | ATEX | 19 | 39 | 42 | 1.291.1000.71 | 1.291.1001.71 | 1.291.1002.71 |
| 1 1/4" NPT | 18 - 25 | ATEX | 16 | 39 | 46/42 | 1.291.5400.70 | 1.291.5401.70 | 1.291.5402.70 |
| 1 1/4" NPT | 13 - 20 | ATEX | 16 | 39 | 46/42 | 1.291.5400.71 | 1.291.5401.71 | 1.291.5402.71 |
| 1 1/2" NPT | 22 - 32 | ATEX | 20 | 48 | 53 | 1.291.6400.70 | 1.291.6401.70 | 1.291.6402.70 |
| 1 1/2" NPT | 20 - 26 | ATEX | 20 | 48 | 53 | 1.291.6400.71 | 1.291.6401.71 | 1.291.6402.71 |



HSK-M/-PVDF-Ex



NPT



Material: Nickel platen brass
 Clamping insert: PA (Nylon) / PVDF
 Seal: Buna-N / FPM
 O-Ring: Buna-N / FPM
 Protection: IP 68 – 10 bar / IP 69K
 (NEMA 6 – 150 PSIG)
 within the specified clamping range



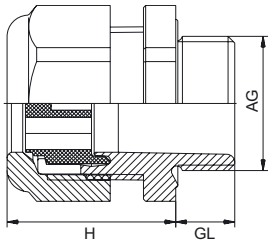
For approvals see page 162

| AG |  mm | Ex- Generation | GL mm | H mm |  mm | HSK-M-Ex -20°C – 95°C (-4°F – 203°F) | HSK-M-Ex -60°C – 105°C (-76°F – 221°F) | HSK-M-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|----------|---|-------------------|----------|---------|---|--|--|--|
| 3/8" NPT | 4 - 8 | ATEX | 15 | 21 | 17 / 19 | 1.610.3800.70 | 1.640.3800.70 | 1.660.3800.70 |
| 3/8" NPT | 2 - 6 | ATEX | 15 | 21 | 17 / 19 | 1.610.3800.71 | 1.640.3800.71 | 1.660.3800.71 |
| 1/2" NPT | 6 - 12 | ATEX | 13 | 24 | 22 / 24 | 1.610.1200.70 | 1.640.1200.70 | 1.660.1200.70 |
| 1/2" NPT | 5 - 9 | ATEX | 13 | 24 | 22 / 24 | 1.610.1200.71 | 1.640.1200.71 | 1.660.1200.71 |
| 3/4" NPT | 14 - 18 | ATEX | 13 | 25 | 30 | 1.610.3400.70 | 1.640.3400.70 | 1.660.3400.70 |
| 3/4" NPT | 10 - 16 | ATEX | 13 | 25 | 30 | 1.610.3400.71 | 1.640.3400.71 | 1.660.3400.71 |
| 1" NPT | 20 - 25 | ATEX | 19 | 29 | 40 | 1.610.1000.70 | 1.640.1000.70 | 1.660.1000.70 |
| 1" NPT | 13 - 20 | ATEX | 19 | 29 | 40 | 1.610.1000.71 | 1.640.1000.71 | 1.660.1000.71 |



HSK-K-Multi-Ex

Metr./PG/NPT



Material PA (Nylon) V0 according to UL 94
 Seal Elastomer
 Protection IP 65 (NEMA 4x)
 IP 68 possible with ideal fit

Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)
 Colors grey RAL 7035
 black RAL 9005



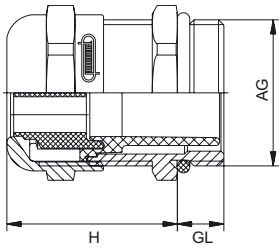
These inserts are examples, other inserts available upon request
 Certifications and installation instructions see page 162

| AG | GL mm | H mm | Ø mm | Number of Holes x d | Number grey | Number black | Number of Holes x d | Number grey | Number black |
|-------------|----------|---------|---------|---------------------------|----------------|-----------------|---------------------------|----------------|-----------------|
| M 16 x 1,5 | 8 | 22 | 19 | 4 x 1,4 | 1.599.1600.50 | 1.599.1600.51 | 2 x 3 | 1.599.1601.50 | 1.599.1601.51 |
| M 20 x 1,5 | 9 | 27 | 24 | 6 x 3 | 1.599.2001.50 | 1.599.2001.51 | 2 x 5 | 1.599.2003.50 | 1.599.2003.51 |
| M 25 x 1,5 | 11 | 31 | 33 | 4 x 6 | 1.599.2500.50 | 1.599.2500.51 | 3 x 7 | 1.599.2501.50 | 1.599.2501.51 |
| M 32 x 1,5 | 11 | 39 | 42 | 6 x 6,5 | 1.599.3200.50 | 1.599.3200.51 | 4 x 9 | 1.599.3201.50 | 1.599.3201.51 |
| M 40 x 1,5 | 13 | 48 | 53 | 7 x 9 | 1.599.4001.50 | 1.599.4001.51 | 2 x 15 | 1.599.4003.50 | 1.599.4003.51 |
| M 50 x 1,5 | 13 | 49 | 60 | | 1.599.5099.50 | 1.599.5099.51 | | | |
| M 63 x 1,5 | 14 | 49 | 65 / 68 | 6 x 12 | 1.599.6301.50 | 1.599.6301.51 | 3 x 18 | 1.599.6302.50 | 1.599.6302.51 |
| PG 9 | 8 | 22 | 19 | 4 x 1,4 | 1.599.0900.00 | 1.599.0900.01 | 2 x 3 | 1.599.0901.00 | 1.599.0901.01 |
| PG 11 | 8 | 25 | 22 | 2 x 4 | 1.599.1102.00 | 1.599.1102.01 | 3 x 3 | 1.599.1101.00 | 1.599.1101.01 |
| PG 13,5 | 9 | 27 | 24 | 3 x 4 | 1.599.1302.00 | 1.599.1302.01 | 2 x 5 | 1.599.1303.00 | 1.599.1303.01 |
| PG 16 | 10 | 28 | 27 | 4 x 4 | 1.599.1602.00 | 1.599.1602.01 | 6 x 4 | 1.599.1604.00 | 1.599.1604.01 |
| PG 16 | 10 | 28 | 27 | 3 x 5,6 | 1.599.1606.00 | 1.599.1606.01 | 2 x 6 | 1.599.1605.00 | 1.599.1605.01 |
| PG 21 | 11 | 31 | 33 | 4 x 6 | 1.599.2100.00 | 1.599.2100.01 | 3 x 7 | 1.599.2101.00 | 1.599.2101.01 |
| PG 29 | 11 | 39 | 42 | 6 x 6,5 | 1.599.2900.00 | 1.599.2900.01 | 4 x 9 | 1.599.2901.00 | 1.599.2901.01 |
| PG 36 | 13 | 48 | 53 | 7 x 9 | 1.599.3601.00 | 1.599.3601.01 | 2 x 15 | 1.599.3603.00 | 1.599.3603.01 |
| PG 48 | 14 | 49 | 65 | 6 x 12 | 1.599.4801.00 | 1.599.4801.01 | 3 x 18 | 1.599.4802.00 | 1.599.4802.01 |
| 3/8" NPT | 15 | 22 | 19 / 22 | 4 x 1,4 | 1.599.3800.70 | 1.599.3800.71 | 2 x 3 | 1.599.3801.70 | 1.599.3801.71 |
| 1/2" NPT | 13 | 27 | 24 | 3 x 4 | 1.599.1202.70 | 1.599.1202.71 | 2 x 5 | 1.599.1203.70 | 1.599.1203.71 |
| 1/2" NPT/16 | 13 | 28 | 27 | 6 x 4 | 1.599.1220.70 | 1.599.1220.71 | 2 x 6 | 1.599.1221.70 | 1.599.1221.71 |
| 3/4" NPT | 14 | 31 | 33 | 4 x 6 | 1.599.3400.70 | 1.599.3400.71 | 3 x 7 | 1.599.3401.70 | 1.599.3401.71 |
| 1" NPT | 19 | 39 | 42 | 6 x 6,5 | 1.599.1000.70 | 1.599.1000.71 | 4 x 9 | 1.599.1001.70 | 1.599.1001.71 |
| 1 1/4" NPT | 16 | 39 | 42 / 46 | | 1.599.5499.70 | 1.599.5499.71 | | | |
| 1 1/2" NPT | 20 | 48 | 53 | 5 x 9 | 1.599.6400.70 | 1.599.6400.71 | 7 x 9 | 1.599.6401.70 | 1.599.6401.71 |



HSK-M-Multi-Ex

Metr./PG/NPT



Material: Nickel plated brass
 Clamping insert: PA (Nylon)
 Seal: Elastomer
 O-Ring: Buna-N
 Protection: IP 65
 IP 68 possible with ideal fit
 Operating Temperature: -20 °C – 95 °C (-4 °F – 203 °F)



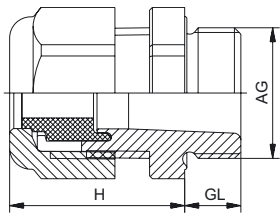
These inserts are examples, other inserts available upon request
 Certifications and installation instructions see page 162

| AG | GL mm | H mm | Ø mm | Number of Holes x d | Number | Number of Holes x d | Number |
|-------------|----------|---------|---------|---------------------------|---------------|---------------------------|---------------|
| M 16 x 1,5 | 6 | 21 | 17/19 | 4 x 1,4 | 1.687.1600.50 | 2 x 3 | 1.687.1601.50 |
| M 20 x 1,5 | 6 | 23 | 22 | 6 x 3 | 1.687.2001.50 | 2 x 5 | 1.687.2003.50 |
| M 25 x 1,5 | 7 | 26 | 30 | 4 x 6 | 1.687.2500.50 | 3 x 7 | 1.687.2501.50 |
| M 32 x 1,5 | 8 | 31 | 40 | 6 x 6,5 | 1.687.3200.50 | 4 x 9 | 1.687.3201.50 |
| M 40 x 1,5 | 8 | 37 | 50 | 7 x 9 | 1.687.4001.50 | 2 x 15 | 1.687.4003.50 |
| M 50 x 1,5 | 9 | 37 | 57 | | 1.687.5099.50 | | |
| M 63 x 1,5 | 10 | 38 | 64/68 | 6 x 12 | 1.687.6301.50 | 3 x 18 | 1.687.6302.50 |
| PG 9 | 6 | 21 | 17 | 4 x 1,4 | 1.687.0900.01 | 2 x 3 | 1.687.0901.01 |
| PG 11 | 6 | 22 | 20 | 2 x 4 | 1.687.1102.01 | 3 x 3 | 1.687.1101.01 |
| PG 13,5 | 6,5 | 24 | 22 | 3 x 4 | 1.687.1302.01 | 2 x 5 | 1.687.1303.01 |
| PG 16 | 6,5 | 23 | 24 | 4 x 4 | 1.687.1602.01 | 6 x 4 | 1.687.1604.01 |
| PG 16 | 6,5 | 23 | 24 | 3 x 5,6 | 1.687.1606.01 | 2 x 6 | 1.687.1605.01 |
| PG 21 | 7 | 24 | 30 | 4 x 6 | 1.687.2100.01 | 3 x 7 | 1.687.2101.01 |
| PG 29 | 8 | 29 | 40 | 6 x 6,5 | 1.687.2900.01 | 4 x 9 | 1.687.2901.01 |
| PG 36 | 8 | 35 | 50 | 7 x 9 | 1.687.3601.01 | 2 x 15 | 1.687.3603.01 |
| PG 48 | 10 | 38 | 64 | 6 x 12 | 1.687.4801.01 | 3 x 18 | 1.687.4802.01 |
| 3/8" NPT | 15 | 21 | 17/19 | 4 x 1,4 | 1.687.3800.70 | 2 x 3 | 1.687.3801.70 |
| 1/2" NPT/16 | 13 | 24 | 22/24 | 3 x 4 | 1.687.1220.70 | 2 x 5 | 1.687.1221.70 |
| 3/4" NPT | 13 | 25 | 30 | 4 x 6 | 1.687.3400.70 | 3 x 7 | 1.687.3401.70 |
| 1" NPT | 19 | 29 | 40 | 6 x 6,5 | 1.687.1000.70 | 4 x 9 | 1.687.1001.70 |



HSK-K-FLAKA-Ex

Metr./PG/NPT



ATEX



Material
Seal
Operating
Temperature
Colors

PA (Nylon) V0 according to UL 94
Elastomer
-20 °C – 95 °C (-4 °F – 203 °F)
grey RAL 7035
black RAL 9005



II 2G 1D



These inserts are examples, other inserts available upon request
Certifications and installation instructions see page 162

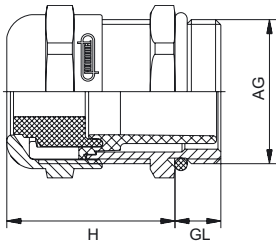


| AG | GL mm | H mm | Ø mm | b x h mm | Number grey | Number black | b x h mm | Number grey | Number black |
|-------------|----------|---------|---------|-------------|----------------|-----------------|-------------|----------------|-----------------|
| M 20 x 1,5 | 9 | 28 | 27 | 12 x 7 | 1.589.2017.50 | 1.589.2017.51 | 14 x 6 | 1.589.2018.50 | 1.589.2018.51 |
| M 25 x 1,5 | 11 | 31 | 33 | 14 x 6 | 1.589.2500.50 | 1.589.2500.51 | 14 x 7 | 1.589.2501.50 | 1.589.2501.51 |
| M 32 x 1,5 | 11 | 39 | 42 | 22 x 8 | 1.589.3200.50 | 1.589.3200.51 | | | |
| M 40 x 1,5 | 13 | 48 | 53 | 28,5 x 10 | 1.589.4000.50 | 1.589.4000.51 | 29 x 5,5 | 1.589.4001.50 | 1.589.4001.51 |
| M 40 x 1,5 | 13 | 48 | 53 | 30,5 x 12 | 1.589.4002.50 | 1.589.4002.51 | 31 x 7,5 | 1.589.4003.50 | 1.589.4003.51 |
| M 50 x 1,5 | 13 | 49 | 60 | 33,5 x 11,5 | 1.589.5000.50 | 1.589.5000.51 | | | |
| PG 16 | 10 | 28 | 27 | 12 x 7 | 1.589.1601.00 | 1.589.1601.01 | 14 x 6 | 1.589.1602.00 | 1.589.1602.01 |
| PG 21 | 11 | 31 | 33 | 14 x 6 | 1.589.2100.00 | 1.589.2100.01 | 14 x 7 | 1.589.2101.00 | 1.589.2101.01 |
| PG 29 | 11 | 39 | 42 | 22 x 8 | 1.589.2900.00 | 1.589.2900.01 | | | |
| PG 36 | 13 | 48 | 53 | 28,5 x 10 | 1.589.3600.00 | 1.589.3600.01 | 29 x 5,5 | 1.589.3601.00 | 1.589.3601.01 |
| PG 36 | 13 | 48 | 53 | 30,5 x 12 | 1.589.3602.00 | 1.589.3602.01 | 31 x 7,5 | 1.589.3603.00 | 1.589.3603.01 |
| PG 42 | 13 | 49 | 60 | 33,5 x 11,5 | 1.589.4200.00 | 1.589.4200.01 | | | |
| 1/2" NPT/16 | 13 | 28 | 27 | 12 x 7 | 1.589.1217.70 | 1.589.1217.71 | 14 x 6 | 1.589.1218.70 | 1.589.1218.71 |
| 3/4" NPT | 14 | 31 | 33 | 14 x 6 | 1.589.3400.70 | 1.589.3400.71 | | | |
| 1" NPT | 19 | 39 | 42 | 22 x 8 | 1.589.1000.70 | 1.589.1000.71 | | | |
| 1 1/4" NPT | 16 | 39 | 42 / 46 | 22 x 8 | 1.589.5400.70 | 1.589.5400.71 | | | |
| 1 1/2" NPT | 20 | 48 | 53 | 28,5 x 10 | 1.589.6400.70 | 1.589.6400.71 | 29 x 5,5 | 1.589.6401.70 | 1.589.6401.71 |
| 1 1/2" NPT | 20 | 48 | 53 | 30,5 x 12 | 1.589.6402.70 | 1.589.6402.71 | 31 x 7,5 | 1.589.6403.70 | 1.589.6403.71 |

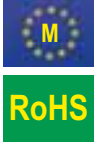


HSK-M-FLAKA-Ex

Metr./PG/NPT



Material Nickel plated brass
 Clamping insert PA (Nylon)
 Seal Elastomer
 O-Ring Buna-N
 Operating Temperature -20 °C – 95 °C (-4 °F – 203 °F)



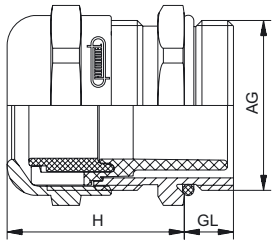
These inserts are examples, other inserts available upon request
 Certifications and installation instructions see page 162

| AG | GL mm | H mm | Ø mm | b x h mm | Number | b x h mm | Number |
|------------|----------|---------|---------|-------------|---------------|-------------|---------------|
| M 20 x 1,5 | 6 | 24 | 24 | 12 x 7 | 1.689.2017.50 | 14 x 6 | 1.689.2018.50 |
| M 25 x 1,5 | 7 | 26 | 30 | 14 x 6 | 1.689.2500.50 | 14 x 7 | 1.689.2501.50 |
| M 32 x 1,5 | 8 | 31 | 40 | 22 x 8 | 1.689.3200.50 | | |
| M 40 x 1,5 | 8 | 37 | 50 | 28,5 x 10 | 1.689.4000.50 | 29 x 5,5 | 1.689.4001.50 |
| M 40 x 1,5 | 8 | 37 | 50 | 30,5 x 12 | 1.689.4002.50 | 31 x 7,5 | 1.689.4003.50 |
| M 50 x 1,5 | 9 | 37 | 57 | 33,5 x 11,5 | 1.689.5000.50 | | |
| M 63 x 1,5 | 10 | 38 | 64/68 | 38 x 12 | 1.689.6300.50 | | |
| PG 16 | 6,5 | 23 | 24 | 12 x 7 | 1.689.1601.01 | 14 x 6 | 1.689.1602.01 |
| PG 21 | 7 | 24 | 30 | 14 x 6 | 1.689.2100.01 | 14 x 7 | 1.689.2101.01 |
| PG 29 | 8 | 29 | 40 | 22 x 8 | 1.689.2900.01 | | |
| PG 36 | 8 | 35 | 50 | 28,5 x 10 | 1.689.3600.01 | 29 x 5,5 | 1.689.3601.01 |
| PG 36 | 8 | 35 | 50 | 30,5 x 12 | 1.689.3602.01 | 31 x 7,5 | 1.689.3603.01 |
| PG 42 | 9 | 37 | 57 | 33,5 x 11,5 | 1.689.4200.01 | | |
| PG 48 | 10 | 38 | 64 | 38 x 12 | 1.689.4802.01 | | |
| 3/4" NPT | 13 | 25 | 30 | 14 x 6 | 1.689.3400.70 | 14 x 7 | 1.689.3401.70 |
| 1" NPT | 19 | 29 | 40 | 22 x 8 | 1.689.1000.70 | | |



HSK-INOX-/PVDF-Ex

Mettr.



Material 1.4305 (303 SS)
 Clamping insert PA (Nylon) / PVDF
 Seal Buna-N / FPM
 O-Ring Buna-N / FPM
 Protection IP 68 – 10 bar / IP 69K
 within the specified clamping range



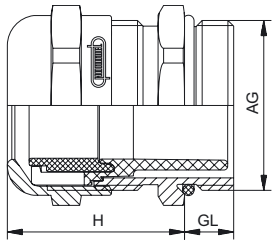
For approvals see page 162
 * EMI version available
 316 Stainless Steel available upon request

| AG | \varnothing mm | GL mm | H mm | \varnothing mm | HSK-INOX-Ex* -20°C – 95°C (-4°F – 203°F) | HSK-INOX-Ex* -60°C – 105°C (-76°F – 221°F) | HSK-INOX-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|------------|---------------------|----------|---------|---------------------|--|--|---|
| M 12 x 1,5 | 3 - 6,5 | 6,5 | 19 | 14 | 1.612.1200.50 | 1.642.1200.50 | 1.662.1200.50 |
| M 12 x 1,5 | 2 - 5 | 6,5 | 19 | 14 | 1.612.1200.51 | 1.642.1200.51 | 1.662.1200.51 |
| M 16 x 1,5 | 5 - 10 | 6 | 22 | 22 | 1.612.1600.50 | 1.642.1600.50 | 1.662.1600.50 |
| M 16 x 1,5 | 3 - 7 | 6 | 22 | 22 | 1.612.1600.51 | 1.642.1600.51 | 1.662.1600.51 |
| M 20 x 1,5 | 10 - 14 | 6 | 23 | 24 | 1.612.2000.50 | 1.642.2000.50 | 1.662.2000.50 |
| M 20 x 1,5 | 7 - 12 | 6 | 23 | 24 | 1.612.2000.51 | 1.642.2000.51 | 1.662.2000.51 |
| M 25 x 1,5 | 13 - 18 | 7 | 24 | 30 | 1.612.2500.50 | 1.642.2500.50 | 1.662.2500.50 |
| M 25 x 1,5 | 9 - 16 | 7 | 24 | 30 | 1.612.2500.51 | 1.642.2500.51 | 1.662.2500.51 |
| M 32 x 1,5 | 20 - 25 | 8 | 29 | 41 | 1.612.3200.50 | 1.642.3200.50 | 1.662.3200.50 |
| M 32 x 1,5 | 13 - 20 | 8 | 29 | 41 | 1.612.3200.51 | 1.642.3200.51 | 1.662.3200.51 |
| M 40 x 1,5 | 22 - 32 | 8 | 35 | 50 | 1.612.4000.50 | 1.642.4000.50 | 1.662.4000.50 |
| M 40 x 1,5 | 20 - 26 | 8 | 35 | 50 | 1.612.4000.51 | 1.642.4000.51 | 1.662.4000.51 |



HSK-INOX-/PVDF-Ex

PG



Material 1.4305 (303 SS)
 Clamping insert PA (Nylon) / PVDF
 Seal Buna-N / FPM
 O-Ring Buna-N / FPM
 Protection IP 68 – 10 bar / IP 69K within the specified clamping range

RoHS

IP 69K



For approvals see page 162
 EMI version available

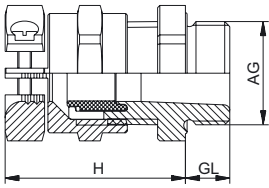
316 Stainless Steel available upon request

| AG | \varnothing mm | GL mm | H mm | \varnothing mm | HSK-INOX-Ex -20°C – 95°C (-4°F – 203°F) | HSK-INOX-Ex -60°C – 105°C (-76°F – 221°F) | HSK-INOX-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|---------|---------------------|----------|---------|---------------------|---|---|---|
| PG 7 | 3 - 6,5 | 5 | 19 | 14 | 1.612.0700.01 | 1.642.0700.01 | 1.662.0700.01 |
| PG 7 | 2 - 5 | 5 | 19 | 14 | 1.612.0700.15 | 1.642.0700.15 | 1.662.0700.15 |
| PG 9 | 4 - 8 | 6 | 21 | 17 | 1.612.0900.01 | 1.642.0900.01 | 1.662.0900.01 |
| PG 9 | 2 - 6 | 6 | 21 | 17 | 1.612.0900.15 | 1.642.0900.15 | 1.662.0900.15 |
| PG 11 | 5 - 10 | 6 | 22 | 22 | 1.612.1100.01 | 1.642.1100.01 | 1.662.1100.01 |
| PG 11 | 3 - 7 | 6 | 22 | 22 | 1.612.1100.15 | 1.642.1100.15 | 1.662.1100.15 |
| PG 13,5 | 6 - 12 | 6 | 24 | 22 | 1.612.1300.01 | 1.642.1300.01 | 1.662.1300.01 |
| PG 13,5 | 5 - 9 | 6 | 24 | 22 | 1.612.1300.15 | 1.642.1300.15 | 1.662.1300.15 |
| PG 16 | 10 - 14 | 6 | 23 | 24 | 1.612.1600.01 | 1.642.1600.01 | 1.662.1600.01 |
| PG 16 | 7 - 12 | 6 | 23 | 24 | 1.612.1600.15 | 1.642.1600.15 | 1.662.1600.15 |
| PG 21 | 13 - 18 | 7 | 24 | 30 | 1.612.2100.01 | 1.642.2100.01 | 1.662.2100.01 |
| PG 21 | 9 - 16 | 7 | 24 | 30 | 1.612.2100.15 | 1.642.2100.15 | 1.662.2100.15 |
| PG 29 | 20 - 25 | 8 | 29 | 41 | 1.612.2900.01 | 1.642.2900.01 | 1.662.2900.01 |
| PG 29 | 13 - 20 | 8 | 29 | 41 | 1.612.2900.15 | 1.642.2900.15 | 1.662.2900.15 |
| PG 36 | 22 - 32 | 8 | 35 | 50 | 1.612.3600.01 | 1.642.3600.01 | 1.662.3600.01 |
| PG 36 | 20 - 26 | 8 | 35 | 50 | 1.612.3600.15 | 1.642.3600.15 | 1.662.3600.15 |



HSK-K-MZ-Ex

Metr./PG



ATEX II 2G 1D

Material
Seal
Protection

PA-AL
Buna-N
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range

Operating
Temperature

-20 °C – 70 °C (-4 °F – 158 °F)

For approvals see page 162

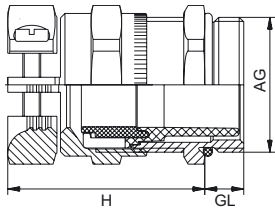


| AG | \varnothing mm | Ex- Generation | GL mm | H mm | \varnothing mm | Number |
|------------|---------------------|-------------------|----------|---------|---------------------|---------------|
| M 16 x 1,5 | 4 - 8 | ATEX | 15 | 29 | 19 | 1.215.1601.50 |
| M 20 x 1,5 | 6 - 12 | ATEX | 15 | 35,5 | 24 | 1.215.2001.50 |
| M 25 x 1,5 | 13 - 18 | ATEX | 11 | 41 | 33 | 1.215.2501.50 |
| M 32 x 1,5 | 18 - 25 | ATEX | 11 | 49 | 42 | 1.215.3201.50 |
| M 40 x 1,5 | 22 - 32 | ATEX | 13 | 58 | 53 | 1.215.4001.50 |
| M 50 x 1,5 | 32 - 38 | ATEX | 13 | 61,5 | 60 | 1.215.5001.50 |
| M 63 x 1,5 | 37 - 44 | ATEX | 14 | 62 | 65/68 | 1.215.6301.50 |
| PG 9 | 4 - 8 | ATEX | 15 | 29 | 19 | 1.215.0901.14 |
| PG 11 | 6 - 10 | ATEX | 15 | 32,5 | 22 | 1.215.1101.14 |
| PG 13,5 | 6 - 12 | ATEX | 15 | 35,5 | 24 | 1.215.1301.14 |
| PG 16 | 10 - 14 | ATEX | 10 | 37,5 | 27 | 1.215.1601.14 |
| PG 21 | 13 - 18 | ATEX | 11 | 41 | 33 | 1.215.2101.14 |
| PG 29 | 18 - 25 | ATEX | 11 | 49 | 42 | 1.215.2901.14 |
| PG 36 | 22 - 32 | ATEX | 13 | 58 | 53 | 1.215.3601.14 |
| PG 42 | 32 - 38 | ATEX | 13 | 61,5 | 60 | 1.215.4201.14 |
| PG 48 | 37 - 44 | ATEX | 14 | 62 | 65 | 1.215.4801.14 |



HSK-MZ-/PVDF-Ex

Mettr.



ATEX



II 2G 1D





Material
Clamping insert
Seal
O-Ring
Protection

Nickel plated brass
PA (Nylon) / PVDF
Buna-N / FPM
Buna-N / FPM
IP 68 – 10 bar / IP 69K
(NEMA 6 – 150 PSIG)
within the specified clamping range



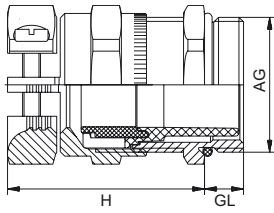
For approvals see page 162
Elongated thread for metric and PG sizes available
* EMI version available

| AG |  mm | Ex- Generation | GL mm | H mm |  mm | HSK-MZ-Ex -20°C – 95°C (-4°F – 203°F) | HSK-MZ-Ex -60°C – 105°C (-76°F – 221°F) | HSK-MZ-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|------------|---|-------------------|----------|---------|---|---|---|---|
| M 12 x 1,5 | 3 - 6,5 | ATEX | 6,5 | 26 | 14 | 1.611.1200.50 * | 1.641.1200.50 * | 1.661.1200.50 |
| M 16 x 1,5 | 4 - 8 | ATEX | 6 | 28 | 19 | 1.611.1600.50 * | 1.641.1600.50 * | 1.661.1600.50 |
| M 16 x 1,5 | 6 - 10 | ATEX | 6 | 30 | 20 | 1.611.1611.50 * | 1.641.1611.50 * | 1.661.1611.50 |
| M 20 x 1,5 | 6 - 12 | ATEX | 6 | 33 | 22 | 1.611.2000.50 * | 1.641.2000.50 * | 1.661.2000.50 |
| M 20 x 1,5 | 10 - 14 | ATEX | 6 | 33 | 24 | 1.611.2016.50 * | 1.641.2016.50 * | 1.661.2016.50 |
| M 25 x 1,5 | 14 - 18 | ATEX | 7 | 37 | 30 | 1.611.2500.50 * | 1.641.2500.50 * | 1.661.2500.50 |
| M 32 x 1,5 | 20 - 25 | ATEX | 8 | 43 | 40 | 1.611.3200.50 * | 1.641.3200.50 * | 1.661.3200.50 |
| M 40 x 1,5 | 24 - 32 | ATEX | 8 | 50 | 50 | 1.611.4000.50 * | 1.641.4000.50 * | 1.661.4000.50 |
| M 50 x 1,5 | 32 - 38 | ATEX | 9 | 51 | 57 | 1.611.5000.50 * | 1.641.5000.50 * | |
| M 63 x 1,5 | 37 - 44 | ATEX | 10 | 52 | 64/68 | 1.611.6300.50 * | 1.641.6300.50 * | |



HSK-MZ-/PVDF-Ex

PG/NPT



Material: Nickel plated brass
 Clamping insert: PA (Nylon) / PVDF
 Seal: Buna-N / FPM
 O-Ring: Buna-N / FPM
 Protection: IP 68 – 10 bar / IP 69K (NEMA 6 – 150 PSIG) within the specified clamping range



For approvals see page 162
 Elongated thread for metric and PG sizes available
 * EMI version available

| AG | \varnothing mm | Ex- Generation | GL mm | H mm | \varnothing mm | HSK-MZ-Ex -20°C – 95°C (-4°F – 203°F) | HSK-MZ-Ex -60°C – 105°C (-76°F – 221°F) | HSK-MZ-PVDF-Ex -20°C – 130°C (-4°F – 266°F) |
|----------|---------------------|-------------------|----------|---------|---------------------|---|---|---|
| PG 7 | 3 - 6,5 | ATEX | 5 | 26 | 14 | 1.611.0700.01 | 1.641.0700.01 | 1.661.0700.01 |
| PG 9 | 4 - 8 | ATEX | 6 | 28 | 17 | 1.611.0900.01 | 1.641.0900.01 | 1.661.0900.01 |
| PG 11 | 6 - 10 | ATEX | 6 | 30 | 20 | 1.611.1100.01 | 1.641.1100.01 | 1.661.1100.01 |
| PG 13,5 | 7 - 12 | ATEX | 6 | 33 | 22 | 1.611.1300.01 | 1.641.1300.01 | 1.661.1300.01 |
| PG 16 | 10 - 14 | ATEX | 6 | 33 | 24 | 1.611.1600.01 | 1.641.1600.01 | 1.661.1600.01 |
| PG 21 | 13 - 18 | ATEX | 7 | 37 | 30 | 1.611.2100.01 | 1.641.2100.01 | 1.661.2100.01 |
| PG 29 | 20 - 25 | ATEX | 8 | 43 | 40 | 1.611.2900.01 | 1.641.2900.01 | 1.661.2900.01 |
| PG 36 | 24 - 32 | ATEX | 8 | 50 | 50 | 1.611.3600.01 | 1.641.3600.01 | 1.661.3600.01 |
| PG 42 | 32 - 38 | ATEX | 9 | 51 | 57 | 1.611.4200.01 | 1.641.4200.01 | 1.661.4200.01 |
| PG 48 | 37 - 44 | ATEX | 10 | 52 | 64 | 1.611.4800.01 | 1.641.4800.01 | 1.661.4800.01 |
| 3/8" NPT | 4 - 8 | ATEX | 15 | 28 | 17 / 19 | 1.611.3800.70 | 1.641.3800.70 | 1.661.3800.70 |
| 1/2" NPT | 7 - 12 | ATEX | 13 | 33 | 22 / 24 | 1.611.1200.70 | 1.641.1200.70 | 1.661.1200.70 |
| 3/4" NPT | 13 - 18 | ATEX | 13 | 37 | 30 | 1.611.3400.70 | 1.641.3400.70 | 1.661.3400.70 |
| 1" NPT | 20 - 25 | ATEX | 19 | 43 | 40 | 1.611.1000.70 | 1.641.1000.70 | |

