

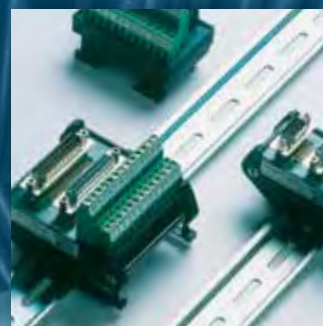
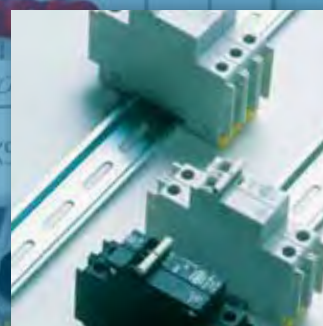


AMERICAN ELECTRICAL, INC. FULL LINE CATALOG

FOURTH EDITION

CONNECTION, POWER, & PROTECTION...FOR LESS

THINK *INSIDE* THE BOX





COMPANY HISTORY

AMERICAN ELECTRICAL, INC. WAS FOUNDED IN 1997 BY THOMAS MCCORMICK, FORMER VICE PRESIDENT OF SALES FOR WEIDMULLER, INC. THE COMPANY CONCEPT WAS BORN OVER LUNCH WITH FELLOW ASSOCIATES LITERALLY ON A NAPKIN. AMERICAN ELECTRICAL, INC. WAS DEVELOPED WITH A SPECIAL GERMAN SUPPLIER RELATIONSHIP – WHO AFTER A BUSINESS MEETING PROVIDED MCCORMICK WITH A PRICE LIST AND A HANDSHAKE. THE COMPANY FLOURISHED DUE TO STRONG FRIENDSHIPS, BUSINESS RELATIONSHIPS, AND PEOPLE WHO WERE UNAFRAID TO HELP A NEW ORGANIZATION GROW. MCCORMICK WILL NEVER FORGET THOSE SPECIAL PEOPLE AND DISTRIBUTORS WHO FIRST HELPED HIM GET STARTED – THANK YOU.

MCCORMICK DREAMED OF A COMPANY THAT RESPONDED QUICKLY, SHIPPED ON TIME AND PROVIDED QUALITY PRODUCTS AT A GREAT PRICE. HE ENVISIONED A WORKPLACE THAT WAS NOT COMPARTMENTALIZED, ONE WHERE EACH PERSON COULD BE RESPONSIBLE FOR THE CUSTOMER THROUGHOUT THE ENTIRE SPECIFICATION/ORDER CHAIN. HE FELT THE SATISFACTION OF THE EMPLOYEES WOULD CREATE A POWERFUL CUSTOMER SERVICE ENTITY WHICH IN RETURN WOULD CREATE CUSTOMER LOYALTY.

MCCORMICK BUILT THE PRODUCT LINES OFFERED BY PARTNERING WITH COMPANIES WHO SPECIALIZED IN A PRODUCT AREA BUT WERE SMALLER IN SCOPE – THE BUSINESSES THAT WERE LOOKING TO BREAK INTO THE U.S. INDUSTRIAL MARKET, BUT WITH NO INTENTIONS OF PUTTING UP BRICK AND MORTAR. TODAY, AMERICAN ELECTRICAL, INC. HAS 12 PRODUCT LINES AND IS STILL GROWING. OUR DEDICATED EMPLOYEES ALL WORK HARD TO SERVE OUR VALUED CUSTOMERS – HELPING THEM TO “THINK INSIDE THE BOX.”



QUALITY STATEMENT

AMERICAN ELECTRICAL, INC. IS A SUPPLIER OF HIGH QUALITY INDUSTRIAL ELECTRICAL COMPONENTS. ALL OF OUR PRODUCTS ARE MANUFACTURED IN ACCORDANCE TO INTERNATIONAL STANDARDS, SUCH AS UL, CSA, CE AND MORE.

RoHS (EU DIRECTIVE 2002/95/EC):

WE CERTIFY ALL OF OUR PRODUCTS COMPLY WITH THE RoHS DIRECTIVE OF JANUARY 27, 2003. ALL PRODUCT LINES ARE FREE OF BANNED SUBSTANCES TO INCLUDE LEAD, MERCURY, CADMIUM, HEXAVALENT CHROMIUM, PBB AND PBDE.



OUR CORE BELIEFS

WE HAVE AN ACRONYM WE CALL “FAST” THAT HAS BOTH A TRUE AND UNDERLYING MEANING. OF COURSE THE UNDERLYING MESSAGE TO OUR CUSTOMERS IS THAT WE TRY TO DO THINGS AS QUICKLY AS POSSIBLE. WHETHER THAT’S A QUOTATION, PRICE CHECK, AVAILABILITY QUESTION, SHIPPING OR INFORMATION REQUEST – WE DO IT NOW – WE KNOW AND UNDERSTAND THAT THERE ARE EAGER CUSTOMERS OR POTENTIAL CUSTOMERS WAITING ON US AND THEIR TIME IS AS VALUABLE AS OURS.

OUR WORD FAST ALSO HAS A DEFINITIVE MEANING:

F – TO BE FLEXIBLE IN OUR ABILITY TO SERVE THE CUSTOMER, TO BE ABLE TO EFFECTIVELY WEAR THE DIFFERENT “HATS” THAT ARE REQUIRED IN A SMALLER ORGANIZATION AND TO HAVE THE CUSTOMERS’ SERVICE ISSUES IN MIND AT ALL TIMES.

A – TO BE ACCURATE IN EVERYTHING WE DO – FROM SPECIFICATION TO DELIVERY. WE UNDERSTAND THE CONSEQUENCES OF MISTAKES AND THE DOMINO EFFECT THEY CAN HAVE ON THE PRACTICES OF OUR CUSTOMERS AND OUR COMBINED BUSINESSES. MISTAKES COST MONEY AND TIME. WE SEEK THE PROPER TRAINING TO INSURE THAT WE FOLLOW THE CORRECT PROCEDURES AND HAVE THE PRODUCT KNOWLEDGE NECESSARY TO BE CORRECT. WE KNOW THAT WE NEED TO DO IT RIGHT ALL THE TIME TO ELIMINATE THE NECESSITY TO DO IT OVER.

S – TO ACT WITH SPEED IN ALL THAT WE DO. WE KNOW THE CUSTOMER WAITS FOR OUR RESPONSE OR OUR PRODUCTS AND WE DO NOT NEED TO WASTE THAT TIME – FOR WE UNDERSTAND THAT TIME IS MONEY. WE WANT TO BE ABLE TO SHIP TODAY, QUOTE AND SPECIFY NOW, FAX IMMEDIATELY, CONFIRM ORDERS ON RECEIPT – RESPOND NOW. FOR WE KNOW THAT THIS WILL WIN OUR CUSTOMERS’ SUPPORT, FUTURE BUSINESS AND TRUST.

T – TO ACT AS A TEAM SO THAT OUR EFFORT IS MULTIPLIED TO PRODUCE A MUCH GREATER RESULT FOR OUR CUSTOMERS. TO HAVE THE POSITIVE ATTITUDE THAT IS SO COMMON IN WINNERS. THE UNDERSTANDING THAT PEOPLE WANT TO BE WINNERS AND WORK WITH WINNERS – WITH PEOPLE WHO ARE SUCCESSFUL NOT ONLY IN WHAT THEY DO BUT HOW THEY WORK TOGETHER. WE ARE A TEAM WHO ACTS AS ONE ON BEHALF OF OUR DEDICATED CUSTOMERS, WHOM WE WOULD BE NOTHING WITHOUT.





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CABLE GRIPS

CABLE GRIPS SECURE CABLES TO CONTROL CABINETS OR JUNCTION BOXES – PROVIDING STRAIN RELIEF AND PROTECTION FROM THE ELEMENTS. THEY ARE MADE OF METAL (NICKEL PLATED BRASS) OR PLASTIC (NYLON). ADVANTAGES EXIST FOR BOTH TYPES OF CABLE GRIP WITH THE NYLON VERSIONS BECOMING MORE POPULAR SINCE THEY CAN PROVIDE THE SAME LEVEL OF PROTECTION AGAINST DUST, DEBRIS AND WATER AS THE METALLIC VERSIONS – FOR LESS COST AND WEIGHT. CABLE GRIPS ARE SPECIFIED FIRST BY THE CABLE DIAMETER AND SECOND BY THREAD TYPE.

CABLE GRIPS ARE AVAILABLE IN THREE DIFFERENT THREAD TYPES, PG (PANZER GEWINDE, A GERMAN SPECIFIED THREAD WIDELY USED IN EUROPE), METRIC AND NPT (NATIONAL PIPE THREAD – USED IN USA). THIS IS USEFUL SINCE MOST SPECIFIERS THREAD THE CABINET HOLES SO THAT THE CABLE GRIP CAN BE SCREWED INTO IT FOR A MORE SECURE FIT. OTHERS SIMPLY KNOCKOUT A HOLE AND PLACE THE CABLE GRIP INSIDE IT.

OUR CABLE GRIPS ARE APPROVED BY UL AND LLOYDS OF LONDON AND ARE RATED IP 68, THE HIGHEST INGRESS PROTECTION AVAILABLE. INGRESS PROTECTION CONSISTS OF TWO NUMBERS – THE FIRST BETWEEN 0 AND 6, INDICATING THE RESISTANCE TO PARTICLES AND THE SECOND BETWEEN 0 AND 8, INDICATING RESISTANCE TO WATER. PLEASE SEE OUR CHARTS ON PAGES 164 AND 165 EXPLAINING THE IP SYSTEM.





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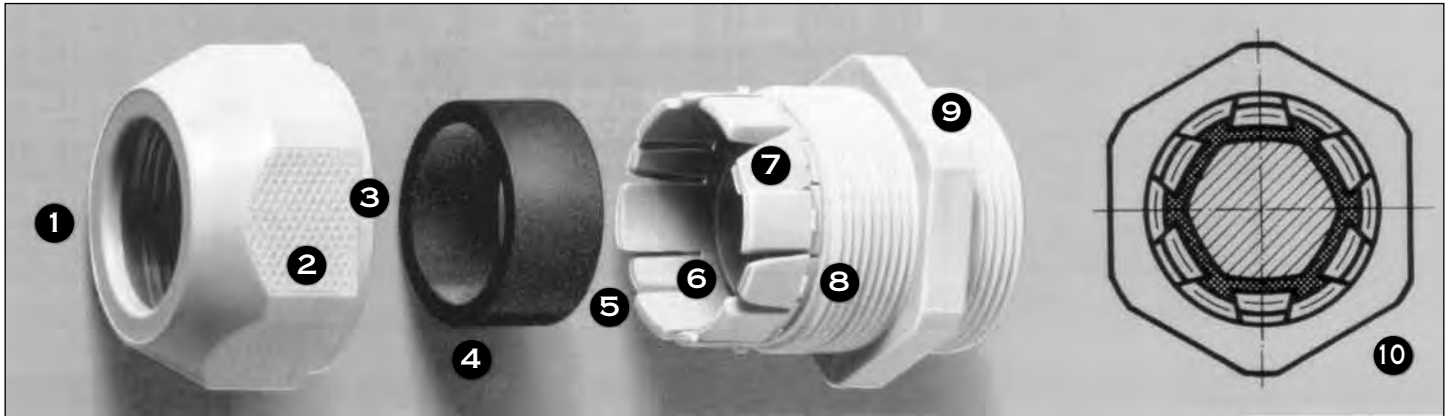
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MAIN FEATURES: CABLE GRIPS

- 1** WIDER DOMED NUT WHICH CAN NOT BE OVER-TIGHTENED.
THE WIDE DOME DESIGN ALLOWS SPACE FOR THE NEOPRENE SEAL TO FORM A TIGHT GRIP ON THE CABLE, FORMING AN IP68 BARRIER. (PLEASE REFER TO INGRESS PROTECTION [IP] RATINGS ON THE BACK PAGE.)
- 2** GENEROUS DEEP FLATS
THE DEEP FLATS ALLOW ENOUGH ROOM FOR THE PROPER WRENCH TO TIGHTEN OR LOOSEN THE CABLE GRIP WITHOUT THE WRENCH COMING OFF.
- 3** SPACER
A SMALL SPACER EXISTS BETWEEN THE DOMED NUT AND THE LOCKING COLLETT, PROVIDING AN ADDITIONAL SEAL WHEN FULLY TIGHTENED.
- 4** NEOPRENE RUBBER SEAL
THIS SEAL GRIPS AROUND THE CABLE TO FORM THE IP68 BARRIER WHEN PROPERLY TIGHTENED.
- 5** WEBS ARE STAGGERED FOR BETTER GRIP
WEBS ARE DESIGNED IN AN ALTERNATING GEOMETRY WHICH ENHANCES GRIPPING CAPABILITY.
- 6** STAGGERED WEBS
THE WEB DESIGN IS STAGGERED TO ALLOW FOR SEAL CONFORMITY AROUND THE CABLE TO MAXIMIZE THE PULL OUT RESISTANCE AND PROTECTION AGAINST THE ELEMENTS.
- 7** SPRUNG WEBS
THE WEBS ARE DESIGNED SO THAT THEY WILL SPRING BACK TO THEIR ORIGINAL OPEN POSITION MAKING INSTALLATION EASY WHILE MAINTAINING THE SEAL QUALITY.
- 8** RETENTION SPRINGS FOR DOMED NUT
THE 'TIGHT SEAL' DESIGN ALLOWS THE DOMED NUT TO LOCK WITH THE COLLETT BEFORE ANY THREADS ARE ENGAGED. THIS GUARDS AGAINST MISTHEADS AS WELL AS AIDS IN THE INSTALLATION PROCESS.
- 9** SEALING LIP
THE COLLETT DESIGN INCORPORATES A SEALING LIP WHICH PROVIDES FOR A POSITIVE SEAL AGAINST THE ENCLOSURE.
- 10** ANTI-TWIST CABLE LOCKING COLLETT
THE ENTIRE DESIGN OF THE 'TIGHT SEAL' PRODUCT LINE INSURES THAT CABLES WILL NOT TWIST OR TURN ONCE LOCKED DOWN.

TECHNICAL DATA

MATERIAL:

POLYAMIDE PA 6, SELF-EXTINGUISHING,
HALOGEN-FREE

SEAL:

NEOPRENE, OIL AND PETROLEUM RESISTANT

OPERATING TEMPERATURE:

STATIC: -40°C TO 100°C, SHORT-TERM 120°C
DYNAMIC: -30°C TO 80°C, SHORT-TERM 100°C

WEATHER RESISTANCE GOOD

STRAIN RELIEF:

SMOOTH ACTION

SAFETY CLASS:

IP68, WATERPROOF (5 BAR)

PATENTS:

EUROPE, USA, JAPAN

VDE TEST REPORT:

12 796-9000-4001/A 2 J.

UL TEST (UNDERWRITERS LABORATORIES INC.)

LLOYD'S REGISTER OF SHIPPING CERTIFICATE

GERMANISCHE LLOYD CERTIFICATE

KNOCKOUT HOLE REFERENCE CHART

PG	MM	INCHES	METRIC	MM	INCHES
7	12.5	0.492	12	12	0.472
9	15.2	0.598	16	16	0.63
11	18.6	0.732	20	20	0.787
13.5	20.4	0.803	25	25	0.984
16	22.5	0.886	32	32	1.26
21	28.3	1.114	40	40	1.575
29	37	1.457	50	50	1.969
36	47	1.85	63	63	2.48
42	54	2.126			
48	59.3	2.338			



INGRESS PROTECTION (IP) RATINGS

LIST OF PROTECTION CLASSES

IP PROTECTION CLASSES TO DIN 40 050 SHEET 1

UP TO 1000 VAC AND 1500 VDC (UTE STANDARD C 200 10)

IP RATINGS CONSIST OF A TWO DIGIT NUMBER EXPLAINED BELOW:

THE TWO DIGITS CORRESPOND TO THE DESCRIPTION BY DIN 40 050 SHEET 1, IEC 144 AND 525 AS WELL AS UTE C 200 10.

1ST DIGIT DEGREE OF PROTECTION AGAINST TOUCHING AND FOREIGN MATTER

IP SPECIFICATIONS

- 0** NO PROTECTION.
- 1** PROTECTION AGAINST PENETRATION BY SOLID FOREIGN MATTERS LARGER THAN 50 MM (ACCIDENTAL TOUCHING BY HAND).
- 2** PROTECTION AGAINST PENETRATION BY SOLID FOREIGN MATTERS LARGER THAN 12 MM (TOUCHING WITH FINGERS).
- 3** PROTECTION AGAINST PENETRATION BY SOLID FOREIGN MATTERS LARGER THAN 2.5 MM (TOUCHING WITH TOOLS, WIRES LARGER THAN 2.5 MM).
- 4** PROTECTION AGAINST SOLID FOREIGN MATTERS LARGER THAN 1 MM (TOUCHING WITH TOOLS, WIRES LARGER THAN 1 MM).
- 5** COMPLETE PROTECTION FROM BEING TOUCHED. PROTECTION FROM HARMFUL DUST DEPOSITS - DUST PENETRATION IS NOT COMPLETELY PREVENTED.
- 6** COMPLETE PROTECTION FROM BEING TOUCHED. PROTECTION AGAINST PENETRATION BY DUST.

2ND DIGIT DEGREE OF PROTECTION AGAINST WATER

IP SPECIFICATIONS

- 0** NO PROTECTION.
- 1** PROTECTION AGAINST VERTICALLY DRIPPING WATER.
- 2** PROTECTION AGAINST DRIP WATER FALLING AT AN ANGLE OF UP TO 15 DEGREES.
- 3** PROTECTION AGAINST SPRAY WATER FALLING AT AN ANGLE OF UP TO 60 DEGREES.
- 4** PROTECTION AGAINST SPRAY WATER FROM ALL DIRECTIONS.
- 5** PROTECTION AGAINST WATER JETS FROM ALL DIRECTIONS
- 6** PROTECTION AGAINST TEMPORARY FLOODING, E.G., BY ROUGH SEA.
- 7** PROTECTION WHEN SUBMERSED IN WATER AT SPECIFIED PRESSURE AND UNSPECIFIED DURATION.
- 8** PROTECTION WHEN SUBMERSED IN WATER AT ELEVATED PRESSURE AND UNSPECIFIED TIME.
- 9K** PROTECTION AGAINST THE PENETRATION OF WATER DURING HIGH PRESSURE (80-100 BARS), HIGH TEMPERATURE WASH-DOWN APPLICATIONS (80°C).

USE AND APPLICATION OF NYLON CABLE GRIPS

- THE USE OF SYNTHETIC - CABLE GRIPS IS ALMOST UNLIMITED WITHIN THE ELECTRICAL AND ELECTRONICS INDUSTRY. INSTALLATIONS WHERE CABLES MUST BE LED SAFELY THROUGH A WALL OF AN ENCLOSURE WILL BE SPECIFIED WITH CABLE GRIPS. SYNTHETIC CABLE GRIPS ARE SPECIFIED TO:

- **SECURE THE CABLE** TO THE ENCLOSURE'S WALL TO PROVIDE EXCELLENT PULL-OUT RESISTANCE.
- **SEAL AND PROTECT** THE INSIDE OF THE ENCLOSURE FROM THE UNWANTED AFFECTS OF THE ENVIRONMENT. THESE CONTAMINANTS MAY BE WATER, GAS, CHEMICALS VAPORS, OR FUMES.
- **REDUCE MATERIAL COST** DUE TO USE OF LIGHTER, LESS EXPENSIVE MATERIALS, AS WELL AS, ELIMINATING THE NEED FOR RUNNING CONDUIT.

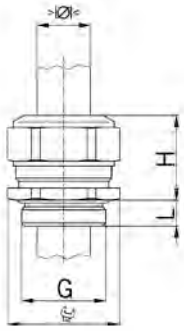
- SOME OF THE TYPICAL APPLICATIONS USING CABLE GRIPS ARE:

- MACHINERY
- PROCESS EQUIPMENT ENGINEERING
- APPARATUS AND APPLIANCE CONSTRUCTION
- AIRCRAFT AND AUTOMOTIVE ENGINEERING
- LOCOMOTIVE ENGINEERING
- ELEVATOR ENGINEERING
- PLANT ENGINEERING
- CHEMICAL AND PHARMACEUTICAL INDUSTRIES
- REFINERIES
- NUCLEAR RESEARCH INSTITUTIONS
- PROCESS AUTOMATION AND PROCESS ENGINEERING
- INDOOR AND OUTDOOR ELECTRICAL INSTALLATIONS
- SWITCHGEAR AND DISTRIBUTION CONSTRUCTION
- EQUIPMENT FOR MILITARY PURPOSES
- MUNICIPAL AND UTILITY TYPE APPLICATIONS, SUCH AS POWER, ELECTRICITY AND GAS WORKS



CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)
 PROTECTION TYPE ADDITION: IP 69K



PROGRESS MS

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	i info	Part. no.	
M6x1.0	2.0	2.5	8	12	5	1	1060.06.025	50
M6x1.0	2.5	3.0	8	12	5	1	1060.06.030	50
M8x1.25	2.5	3.0	11	14	5	1	1060.08.030	50
M8x1.25	3.0	4.0	11	14	5	1	1060.08.040	50
M10x1.5	3.0	4.0	13	15	5	1	1060.10.040	50
M10x1.5	4.0	6.0	13	15	5	1	1060.10.060	50
M12x1.5	3.5	5.0	15	17	5	-	1060.12.050	50
M12x1.5	5.0	6.5	15	17	5	-	1060.12.065	50
M12x1.5	6.5	7.5	15	17	5	-	1060.12.075	50
M16x1.5	4.5	6.0	18	20	5	-	1060.17.060	50
M16x1.5	6.0	8.0	18	20	5	-	1060.17.080	50
M16x1.5	8.0	10.5	18	22	5	-	1060.17.105	50
M20x1.5	6.0	8.0	24	21	6	-	1060.20.080	50
M20x1.5	8.0	11.0	24	21	6	-	1060.20.110	50
M20x1.5	11.0	14.5	24	23	6	-	1060.20.145	50
M25x1.5	9.5	12.5	30	25	7	-	1060.25.125	25
M25x1.5	12.5	16.0	30	25	7	-	1060.25.160	25
M25x1.5	16.0	19.0	30	28	7	-	1060.25.190	25
M32x1.5	17.0	21.0	36	28	8	-	1060.32.210	25
M32x1.5	21.0	25.5	36	28	8	-	1060.32.255	25
M40x1.5	24.0	28.5	46	31	8	-	1060.40.285	10
M40x1.5	28.5	33.0	46	31	8	-	1060.40.330	10
M50x1.5	33.0	37.0	55	34	9	-	1060.50.370	10
M50x1.5	37.0	42.0	55	34	9	-	1060.50.420	10
M63x1.5	40.0	46.0	70	37	10	-	1060.63.460	5
M63x1.5	46.0	52.0	70	37	10	-	1060.63.520	5
M75x1.5	50.0	56.0	80	38	11	-	1060.75.560	1
M75x1.5	56.0	63.0	80	38	11	-	1060.75.630	1

1 = Metric coarse-pitch thread



PROGRESS MS

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

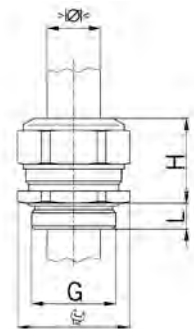


G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	Part. no.	
M16x1.5	6.0	10.5	18	22	5	1060.17	50
M20x1.5	8.0	14.5	24	23	6	1060.20	50
M25x1.5	12.5	19.0	30	28	7	1060.25	25
M32x1.5	17.0	25.5	36	28	8	1060.32	25
M40x1.5	24.0	33.0	46	31	8	1060.40	10
M50x1.5	33.0	42.0	55	34	9	1060.50	10
M63x1.5	40.0	52.0	70	37	10	1060.63	5
M75x1.5	50.0	63.0	80	38	11	1060.75	1

CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE / NBR
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	Part. no.	
M6x1.0	2.0	2.5	8	12	5	1	1000.06.025	50
M6x1.0	2.5	3.0	8	12	5	1	1000.06.030	50
M6x1.0	3.0	3.5	8	12	5	1	1000.06.035	50
M8x1.25	2.5	3.5	11	14	5	1	1000.08.035	50
M8x1.25	3.5	5.0	11	14	5	1	1000.08.050	50
M10x1.5	3.0	4.0	13	15	5	1	1000.10.040	50
M10x1.5	4.0	6.0	13	15	5	1	1000.10.060	50
M12x1.5	3.5	5.0	15	17	5	-	1000.12.050	50
M12x1.5	5.0	6.5	15	17	5	-	1000.12.065	50
M12x1.5	6.5	8.0	15	17	5	-	1000.12.080	50
M16x1.5	3.5	4.5	18	20	5	-	1000.17.045	50
M16x1.5	4.5	6.0	18	20	5	-	1000.17.060	50
M16x1.5	6.0	8.0	18	20	5	-	1000.17.080	50
M16x1.5	8.0	10.5	18	22	5	-	1000.17.105	50
M20x1.5	6.0	8.0	24	21	6	-	1000.20.080	50
M20x1.5	8.0	11.0	24	21	6	-	1000.20.110	50
M20x1.5	11.0	15.0	24	23	6	-	1000.20.150	50
M25x1.5	9.5	12.5	30	25	7	-	1000.25.125	25
M25x1.5	12.5	16.0	30	27	7	-	1000.25.160	25
M25x1.5	16.0	20.5	30	28	7	-	1000.25.205	25
M32x1.5	14.0	17.0	36	28	8	-	1000.32.170	25
M32x1.5	17.0	21.0	36	28	8	-	1000.32.210	25
M32x1.5	21.0	25.5	36	28	8	-	1000.32.255	25
M40x1.5	20.0	24.0	46	31	8	-	1000.40.240	10
M40x1.5	24.0	28.5	46	31	8	-	1000.40.285	10
M40x1.5	28.5	33.0	46	31	8	-	1000.40.330	10
M50x1.5	29.0	33.0	55	34	9	-	1000.50.330	10
M50x1.5	33.0	37.0	55	34	9	-	1000.50.370	10
M50x1.5	37.0	42.0	55	34	9	-	1000.50.420	10
M63x1.5	35.0	40.0	70	37	10	-	1000.63.400	5
M63x1.5	40.0	46.0	70	37	10	-	1000.63.460	5
M63x1.5	46.0	52.0	70	37	10	-	1000.63.520	5
M75x1.5	45.0	50.0	80	38	11	-	1000.75.500	1
M75x1.5	50.0	56.0	80	38	11	-	1000.75.560	1
M75x1.5	56.0	63.0	80	38	11	-	1000.75.630	1
M85x2.0	63.0	70.0	95	41	18	-	1000.85.700	1
M95x2.0	68.0	75.0	110	51	20	-	1000.95.750	1
M95x2.0	73.0	80.0	110	51	20	-	1000.95.800	1
M100x3.0	78.0	85.0	115	51	22	-	1000.100.850	1
M105x3.0	83.0	90.0	120	52	22	-	1000.105.900	1
M115x3.0	88.0	95.0	125	52	22	-	1000.115.950	1

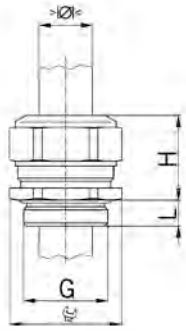


1 = METRIC COARSE-PITCH THREAD



CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	5	1000.17	50
M20x1.5	8.0	15.0	24	23	6	1000.20	50
M25x1.5	12.5	20.5	30	28	7	1000.25	25
M32x1.5	17.0	25.5	36	28	8	1000.32	25
M40x1.5	24.0	33.0	46	31	8	1000.40	10
M50x1.5	33.0	42.0	55	34	9	1000.50	10
M63x1.5	40.0	52.0	70	37	10	1000.63	5
M75x1.5	50.0	63.0	80	38	11	1000.75	1

LONG ENTRY THREAD METRIC



PROGRESS MS

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	i info	PART. NO.	
M6x1.0	2.0	2.5	8	12	8	1	1160.06.025	50
M6x1.0	2.5	3.0	8	12	8	1	1160.06.030	50
M8x1.25	2.5	3.0	11	14	10	1	1160.08.030	50
M8x1.25	3.0	4.0	11	14	10	1	1160.08.040	50
M10x1.5	3.0	4.0	13	15	10	1	1160.10.040	50
M10x1.5	4.0	6.0	13	15	10	1	1160.10.060	50
M12x1.5	3.5	5.0	15	17	10	-	1160.12.050	50
M12x1.5	5.0	6.5	15	17	10	-	1160.12.065	50
M12x1.5	6.5	7.5	15	17	10	-	1160.12.075	50
M16x1.5	8.0	10.5	18	22	10	-	1160.17.105	50
M20x1.5	11.0	14.5	24	23	10	-	1160.20.145	50
M25x1.5	16.0	19.0	30	28	11	-	1160.25.190	25
M32x1.5	21.0	25.5	36	28	13	-	1160.32.255	25
M40x1.5	28.5	33.0	46	34	13	-	1160.40.330	10
M50x1.5	37.0	42.0	55	34	14	-	1160.50.420	10
M63x1.5	46.0	52.0	70	37	14	-	1160.63.520	5
M75x1.5	56.0	63.0	80	38	15	-	1160.75.630	1

1 = METRIC COARSE-PITCH THREAD



PROGRESS MS

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

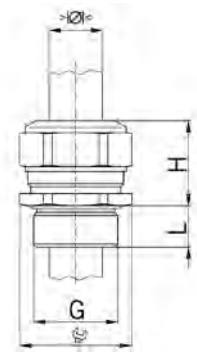


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	10	1160.17	50
M20x1.5	8.0	14.5	24	23	10	1160.20	50
M25x1.5	12.5	19.0	30	28	11	1160.25	25
M32x1.5	17.0	25.5	36	28	13	1160.32	25
M40x1.5	24.0	33.0	46	31	13	1160.40	10
M50x1.5	33.0	42.0	55	34	14	1160.50	10
M63x1.5	40.0	52.0	70	37	14	1160.63	5
M75x1.5	50.0	63.0	80	38	15	1160.75	1

CABLE GLANDS NICKEL-PLATED BRASS

LONG ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	i info	PART. NO.	
M6x1.0	2.0	2.5	8	12	8	1	1100.06.025	50
M6x1.0	2.5	3.0	8	12	8	1	1100.06.030	50
M6x1.0	3.0	3.5	8	12	8	1	1100.06.035	50
M8x1.25	2.5	3.5	11	14	10	1	1100.08.035	50
M8x1.25	3.5	5.0	11	14	10	1	1100.08.050	50
M10x1.5	3.0	4.0	13	15	10	1	1100.10.040	50
M10x1.5	4.0	6.0	13	15	10	1	1100.10.060	50
M12x1.5	3.5	5.0	15	17	10	-	1100.12.050	50
M12x1.5	5.0	6.5	15	17	10	-	1100.12.065	50
M12x1.5	6.5	8.0	15	17	10	-	1100.12.080	50
M16x1.5	3.5	4.5	18	20	10	-	1100.17.045	50
M16x1.5	4.5	6.0	18	20	10	-	1100.17.060	50
M16x1.5	6.0	8.0	18	20	10	-	1100.17.080	50
M16x1.5	8.0	10.5	18	22	10	-	1100.17.105	50
M20x1.5	6.0	8.0	24	21	10	-	1100.20.080	50
M20x1.5	8.0	11.0	24	21	10	-	1100.20.110	50
M20x1.5	11.0	15.0	24	23	10	-	1100.20.150	50
M25x1.5	9.5	12.5	30	25	11	-	1100.25.125	25
M25x1.5	12.5	16.0	30	27	11	-	1100.25.160	25
M25x1.5	16.0	20.5	30	28	11	-	1100.25.205	25
M32x1.5	14.0	17.0	36	28	13	-	1100.32.170	25
M32x1.5	17.0	21.0	36	28	13	-	1100.32.210	25
M32x1.5	21.0	25.5	36	28	13	-	1100.32.255	25
M40x1.5	20.0	24.0	46	31	13	-	1100.40.240	10
M40x1.5	24.0	28.5	46	31	13	-	1100.40.285	10
M40x1.5	28.5	33.0	46	31	13	-	1100.40.330	10
M50x1.5	29.0	33.0	55	34	14	-	1100.50.330	10
M50x1.5	33.0	37.0	55	34	14	-	1100.50.370	10
M50x1.5	37.0	42.0	55	34	14	-	1100.50.420	10
M63x1.5	35.0	40.0	70	37	14	-	1100.63.400	5
M63x1.5	40.0	46.0	70	37	14	-	1100.63.460	5
M63x1.5	46.0	52.0	70	37	14	-	1100.63.520	5
M75x1.5	45.0	50.0	80	38	15	-	1100.75.500	1
M75x1.5	50.0	56.0	80	38	15	-	1100.75.560	1
M75x1.5	56.0	63.0	80	38	15	-	1100.75.630	1

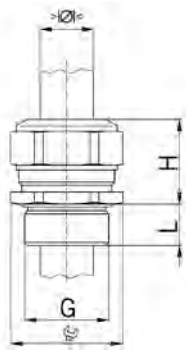


1 = METRIC COARSE-PITCH THREAD



CABLE GLANDS NICKEL-PLATED BRASS

LONG ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

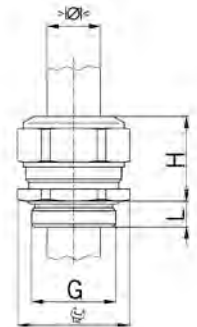


G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	10	1100.17	50
M20x1.5	8.0	15.0	24	23	10	1100.20	50
M25x1.5	12.5	20.5	30	28	11	1100.25	25
M32x1.5	17.0	25.5	36	28	13	1100.32	25
M40x1.5	24.0	33.0	46	31	13	1100.40	10
M50x1.5	33.0	42.0	55	34	14	1100.50	10
M63x1.5	40.0	52.0	70	37	14	1100.63	5
M75x1.5	50.0	63.0	80	38	15	1100.75	1

CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS



ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	15	17	6.0	1060.07.050	50
Pg 7	5.0	6.5	15	17	6.0	1060.07.065	50
Pg 7	6.5	7.5	15	17	6.0	1060.07.075	50
Pg 9	4.5	6.0	18	20	6.0	1060.09.060	50
Pg 9	6.0	8.0	18	20	6.0	1060.09.080	50
Pg 9	8.0	10.5	18	22	6.0	1060.09.105	50
Pg 11	4.0	5.5	21	21	6.0	1060.11.055	50
Pg 11	5.5	8.5	21	21	6.0	1060.11.085	50
Pg 11	8.5	12.0	21	21	6.0	1060.11.120	50
Pg 13	6.0	8.0	24	21	6.0	1060.13.080	50
Pg 13	8.0	11.0	24	21	6.0	1060.13.110	50
Pg 13	11.0	14.5	24	23	6.0	1060.13.145	50
Pg 16	6.0	8.0	24	23	6.0	1060.16.080	50
Pg 16	8.0	11.0	24	23	6.0	1060.16.110	50
Pg 16	11.0	14.5	24	23	6.0	1060.16.145	50
Pg 21	9.5	12.5	30	28	7.5	1060.21.125	25
Pg 21	12.5	16.0	30	28	7.5	1060.21.160	25
Pg 21	16.0	19.0	30	28	7.5	1060.21.190	25
Pg 29	19.0	23.0	38	28	8.0	1060.29.230	25
Pg 29	23.0	27.5	38	28	8.0	1060.29.275	25
Pg 36	26.0	30.5	50	32	8.0	1060.36.305	10
Pg 36	30.5	35.0	50	32	8.0	1060.36.350	10
Pg 42	33.0	37.0	55	34	10.0	1060.42.370	10
Pg 42	37.0	42.0	55	34	10.0	1060.42.420	10
Pg 48	37.0	43.0	65	37	11.0	1060.48.430	10
Pg 48	43.0	49.0	65	37	11.0	1060.48.490	10



PROGRESS MS



TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

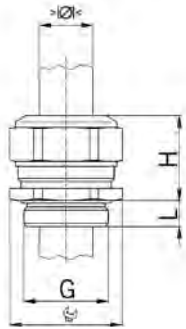
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	6.0	1060.09	50
Pg 11	5.5	12.0	21	21	6.0	1060.11	50
Pg 13	8.0	14.5	24	23	6.0	1060.13	50
Pg 16	8.0	14.5	24	23	6.0	1060.16	50
Pg 21	12.5	19.0	30	28	7.5	1060.21	25
Pg 29	19.0	27.5	38	28	8.0	1060.29	25
Pg 36	26.0	35.0	50	32	8.0	1060.36	10
Pg 42	33.0	42.0	55	34	10.0	1060.42	10
Pg 48	37.0	49.0	65	37	11.0	1060.48	10





CABLE GLANDS NICKEL-PLATED BRASS

SHORT ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)
 PROTECTION TYPE ADDITION: IP 69K

PROGRESS MS

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	15	17	6.0	1000.07.050	50
Pg 7	5.0	6.5	15	17	6.0	1000.07.065	50
Pg 7	6.5	8.0	15	17	6.0	1000.07.080	50
Pg 9	3.5	4.5	18	20	6.0	1000.09.045	50
Pg 9	4.5	6.0	18	20	6.0	1000.09.060	50
Pg 9	6.0	8.0	18	20	6.0	1000.09.080	50
Pg 9	8.0	10.5	18	22	6.0	1000.09.105	50
Pg 11	4.0	5.5	21	21	6.0	1000.11.055	50
Pg 11	5.5	8.5	21	21	6.0	1000.11.085	50
Pg 11	8.5	12.0	21	21	6.0	1000.11.120	50
Pg 13	6.0	8.0	24	21	6.0	1000.13.080	50
Pg 13	8.0	11.0	24	21	6.0	1000.13.110	50
Pg 13	11.0	15.0	24	23	6.0	1000.13.150	50
Pg 16	6.0	8.0	24	23	6.0	1000.16.080	50
Pg 16	8.0	11.0	24	23	6.0	1000.16.110	50
Pg 16	11.0	15.0	24	23	6.0	1000.16.150	50
Pg 21	9.5	12.5	30	28	7.5	1000.21.125	25
Pg 21	12.5	16.0	30	28	7.5	1000.21.160	25
Pg 21	16.0	20.5	30	28	7.5	1000.21.205	25
Pg 29	16.0	19.0	38	28	8.0	1000.29.190	25
Pg 29	19.0	23.0	38	28	8.0	1000.29.230	25
Pg 29	23.0	27.5	38	28	8.0	1000.29.275	25
Pg 36	21.5	26.0	50	32	8.0	1000.36.260	10
Pg 36	26.0	30.5	50	32	8.0	1000.36.305	10
Pg 36	30.5	35.0	50	32	8.0	1000.36.350	10
Pg 42	29.0	33.0	55	34	10.0	1000.42.330	10
Pg 42	33.0	37.0	55	34	10.0	1000.42.370	10
Pg 42	37.0	42.0	55	34	10.0	1000.42.420	10
Pg 48	32.0	37.0	65	37	11.0	1000.48.370	10
Pg 48	37.0	43.0	65	37	11.0	1000.48.430	10
Pg 48	43.0	49.0	65	37	11.0	1000.48.490	10

PROGRESS MS

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

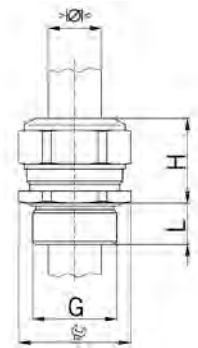


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	6.0	1000.09	50
Pg 11	5.5	12.0	21	21	6.0	1000.11	50
Pg 13	8.0	15.0	24	23	6.0	1000.13	50
Pg 16	8.0	15.0	24	23	6.0	1000.16	50
Pg 21	12.5	20.5	30	28	7.5	1000.21	25
Pg 29	19.0	27.5	38	28	8.0	1000.29	25
Pg 36	26.0	35.0	50	32	8.0	1000.36	10
Pg 42	33.0	42.0	55	34	10.0	1000.42	10
Pg 48	37.0	49.0	65	37	11.0	1000.48	10

CABLE GLANDS NICKEL-PLATED BRASS

LONG ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)
 PROTECTION TYPE ADDITION: IP 69K



PROGRESS MS

ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	5.0	6.5	15	17	10	1160.07.065	50
Pg 7	6.5	7.5	15	17	10	1160.07.075	50
Pg 9	8.0	10.5	18	22	10	1160.09.105	50
Pg 11	8.5	12.0	21	21	10	1160.11.120	50
Pg 13	11.0	14.5	24	23	10	1160.13.145	50
Pg 16	11.0	14.5	24	23	10	1160.16.145	50
Pg 21	16.0	19.0	30	28	12	1160.21.190	25
Pg 29	23.0	27.5	38	28	12	1160.29.275	25
Pg 36	30.5	35.0	50	32	15	1160.36.350	10
Pg 42	37.0	42.0	55	32	15	1160.42.420	10
Pg 48	43.0	49.0	65	37	15	1160.48.490	10



PROGRESS MS

TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	10	1160.09	50
Pg 11	5.5	12.0	21	21	10	1160.11	50
Pg 13	8.0	14.5	24	23	10	1160.13	50
Pg 16	8.0	14.5	24	23	10	1160.16	50
Pg 21	12.5	19.0	30	28	12	1160.21	25
Pg 29	19.0	27.5	38	28	12	1160.29	25
Pg 36	26.0	35.0	50	32	15	1160.36	10
Pg 42	33.0	42.0	55	34	15	1160.42	10
Pg 48	37.0	49.0	65	37	15	1160.48	10





CABLE GLANDS NICKEL-PLATED BRASS

LONG ENTRY THREAD PG



MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	15	17	10	1100.07.050	50
Pg 7	5.0	6.5	15	17	10	1100.07.065	50
Pg 7	6.5	8.0	15	17	10	1100.07.080	50
Pg 9	3.5	4.5	18	20	10	1100.09.045	50
Pg 9	4.5	6.0	18	20	10	1100.09.060	50
Pg 9	6.0	8.0	18	20	10	1100.09.080	50
Pg 9	8.0	10.5	18	22	10	1100.09.105	50
Pg 11	4.0	5.5	21	21	10	1100.11.055	50
Pg 11	5.5	8.5	21	21	10	1100.11.085	50
Pg 11	8.5	12.0	21	21	10	1100.11.120	50
Pg 13	6.0	8.0	24	21	10	1100.13.080	50
Pg 13	8.0	11.0	24	21	10	1100.13.110	50
Pg 13	11.0	15.0	24	23	10	1100.13.150	50
Pg 16	6.0	8.0	24	23	10	1100.16.080	50
Pg 16	8.0	11.0	24	23	10	1100.16.110	50
Pg 16	11.0	15.0	24	23	10	1100.16.150	50
Pg 21	9.5	12.5	30	28	12	1100.21.125	25
Pg 21	12.5	16.0	30	28	12	1100.21.160	25
Pg 21	16.0	20.5	30	28	12	1100.21.205	25
Pg 29	16.0	19.0	38	28	12	1100.29.190	25
Pg 29	19.0	23.0	38	28	12	1100.29.230	25
Pg 29	23.0	27.5	38	28	12	1100.29.275	25
Pg 36	21.5	26.0	50	32	15	1100.36.260	10
Pg 36	26.0	30.5	50	32	15	1100.36.305	10
Pg 36	30.5	35.0	50	32	15	1100.36.350	10
Pg 42	29.0	33.0	55	34	15	1100.42.330	10
Pg 42	33.0	37.0	55	34	15	1100.42.370	10
Pg 42	37.0	42.0	55	34	15	1100.42.420	10
Pg 48	32.0	37.0	65	37	15	1100.48.370	10
Pg 48	37.0	43.0	65	37	15	1100.48.430	10
Pg 48	43.0	49.0	65	37	15	1100.48.490	10

PROGRESS MS

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

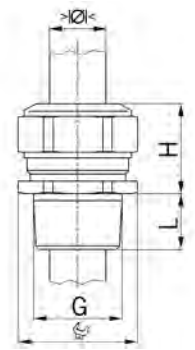


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	10	1100.09	50
Pg 11	5.5	12.0	21	21	10	1100.11	50
Pg 13	8.0	15.0	24	23	10	1100.13	50
Pg 16	8.0	15.0	24	23	10	1100.16	50
Pg 21	12.5	20.5	30	28	12	1100.21	25
Pg 29	19.0	27.5	38	28	12	1100.29	25
Pg 36	26.0	35.0	50	32	15	1100.36	10
Pg 42	33.0	42.0	55	34	15	1100.42	10
Pg 48	37.0	49.0	65	37	15	1100.48	10

CABLE GLANDS NICKEL-PLATED BRASS

ENTRY THREAD NPT

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
ENTRY THREAD:	IP 68, IF THE ENTRY THREAD IS SEALED



PROGRESS NPT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
NPT 1/8"	3.0	4.0	13	15	8	1000.1/8NPT.040 50
NPT 1/8"	4.0	6.0	13	15	8	1000.1/8NPT.060 50
NPT 1/4"	3.5	5.0	15	17	12	1000.1/4NPT.050 50
NPT 1/4"	5.0	6.5	15	17	12	1000.1/4NPT.065 50
NPT 1/4"	6.5	8.0	15	17	12	1000.1/4NPT.080 50
NPT 3/8"	3.5	4.5	18	20	12	1000.3/8NPT.045 50
NPT 3/8"	4.5	6.0	18	20	12	1000.3/8NPT.060 50
NPT 3/8"	6.0	8.0	18	20	12	1000.3/8NPT.080 50
NPT 3/8"	8.0	10.5	18	22	12	1000.3/8NPT.105 50
NPT 1/2"	6.0	8.0	24	21	15	1000.1/2NPT.080 50
NPT 1/2"	8.0	11.0	24	21	15	1000.1/2NPT.110 50
NPT 1/2"	11.0	15.0	24	23	15	1000.1/2NPT.150 50
NPT 3/4"	9.5	12.5	30	28	15	1000.3/4NPT.125 25
NPT 3/4"	12.5	16.0	30	28	15	1000.3/4NPT.160 25
NPT 3/4"	16.0	20.5	30	28	15	1000.3/4NPT.205 25
NPT 1"	14.0	17.0	36	28	20	1000.1NPT.170 25
NPT 1"	17.0	21.0	36	28	20	1000.1NPT.210 25
NPT 1"	21.0	25.5	36	28	20	1000.1NPT.255 25
NPT 1 1/4"	20.0	24.0	46	31	20	1000.11/4NPT.240 10
NPT 1 1/4"	24.0	28.5	46	31	20	1000.11/4NPT.285 10
NPT 1 1/4"	28.5	33.0	46	31	20	1000.11/4NPT.330 10
NPT 1 1/2"	29.0	33.0	55	34	22	1000.11/2NPT.330 10
NPT 1 1/2"	33.0	37.0	55	34	22	1000.11/2NPT.370 10
NPT 1 1/2"	37.0	41.0	55	34	22	1000.11/2NPT.410 10
NPT 2"	35.0	40.0	70	37	22	1000.2NPT.400 5
NPT 2"	40.0	46.0	70	37	22	1000.2NPT.460 5
NPT 2"	46.0	52.0	70	37	22	1000.2NPT.520 5



PROGRESS NPT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



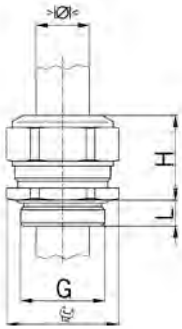
G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
NPT 3/8"	6.0	10.5	18	22	12	1000.3/8NPT 50
NPT 1/2"	8.0	15.0	24	23	15	1000.1/2NPT 50
NPT 3/4"	12.5	20.5	30	28	15	1000.3/4NPT 25
NPT 1"	17.0	25.5	36	28	20	1000.1NPT 25
NPT 1 1/4"	24.0	33.0	46	31	20	1000.11/4NPT 10
NPT 1 1/2"	33.0	41.0	55	34	22	1000.11/2NPT 10
NPT 2"	40.0	52.0	70	37	22	1000.2NPT 5





CABLE GLANDS NICKEL-PLATED BRASS

GAS-PIPE ENTRY THREAD



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
G 3/8"	5.5	12.0	21	21	6	-	1000.3/8G	50
G 1/2"	8.0	15.0	24	23	8	-	1000.1/2G	50
G 3/4"	12.5	20.5	30	28	10	-	1000.3/4G	25
G 1"	17.0	25.5	36	28	11	-	1000.1G	25
G 1 1/2"	25.0	35.0	55/50	32	12	-	1000.1 1/2G	10
G 2"	37.0	49.0	65	37	12	-	1000.2G	10
G 2 1/2"	45.0	50.0	80	38	18	1	1000.21/2G.500	1
G 2 1/2"	50.0	56.0	80	38	18	1	1000.21/2G.560	1
G 3"	56.0	63.0	80	38	18	1	1000.3G.630	1
G 3"	63.0	70.0	95	40	18	1	1000.3G.700	1

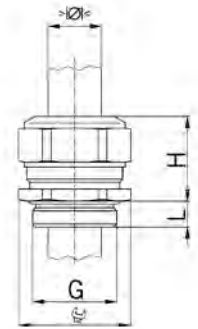
1 = ONE-PIECE SEALING INSERT

CABLE GLANDS NICKEL-PLATED BRASS

FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	FPM
O-RING:	FPM
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M6x1.0	2.0	2.5	8	12	5	1	1000.06.91.025	50
M6x1.0	2.5	3.0	8	12	5	1	1000.06.91.030	50
M6x1.0	3.0	3.5	8	12	5	1	1000.06.91.035	50
M8x1.25	2.5	3.5	11	14	5	1	1000.08.91.035	50
M8x1.25	3.5	5.0	11	14	5	1	1000.08.91.050	50
M10x1.5	3.0	4.0	13	15	5	1	1000.10.91.040	50
M10x1.5	4.0	6.0	13	15	5	1	1000.10.91.060	50
M12x1.5	3.5	5.0	15	17	5	-	1000.12.91.050	50
M12x1.5	5.0	6.5	15	17	5	-	1000.12.91.065	50
M12x1.5	6.5	8.0	15	17	5	-	1000.12.91.080	50
M16x1.5	8.0	10.5	18	22	5	-	1000.17.91.105	50
M20x1.5	11.0	15.0	24	23	6	-	1000.20.91.150	50
M25x1.5	16.0	20.5	30	28	7	-	1000.25.91.205	25
M32x1.5	21.0	25.5	36	28	8	-	1000.32.91.255	25
M40x1.5	28.5	33.0	46	31	8	-	1000.40.91.330	10
M50x1.5	37.0	42.0	55	34	9	-	1000.50.91.420	10
M63x1.5	46.0	52.0	70	37	10	-	1000.63.91.520	5

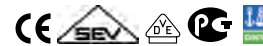
1 = METRIC COARSE-PITCH THREAD



PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	5	1000.17.92	50
M20x1.5	8.0	15.0	24	23	6	1000.20.92	50
M25x1.5	12.5	20.5	30	28	7	1000.25.92	25
M32x1.5	17.0	25.5	36	28	8	1000.32.92	25
M40x1.5	24.0	33.0	46	31	8	1000.40.92	10
M50x1.5	33.0	42.0	55	34	9	1000.50.92	10
M63x1.5	40.0	52.0	70	37	10	1000.63.92	5





CABLE GLANDS NICKEL-PLATED BRASS FOR HIGH TEMPERATURE APPLICATIONS LONG ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
SEAL:	FPM
O-RING:	FPM
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

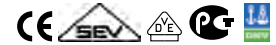


PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M6x1.0	2.0	2.5	8	12	8	1	1100.06.91.025	50
M6x1.0	2.5	3.0	8	12	8	1	1100.06.91.030	50
M6x1.0	3.0	3.5	8	12	8	1	1100.06.91.035	50
M8x1.25	2.5	3.5	11	14	10	1	1100.08.91.035	50
M8x1.25	3.5	5.0	11	14	10	1	1100.08.91.050	50
M10x1.5	3.0	4.0	13	15	10	1	1100.10.91.040	50
M10x1.5	4.0	6.0	13	15	10	1	1100.10.91.060	50
M12x1.5	3.5	5.0	15	17	10	-	1100.12.91.050	50
M12x1.5	5.0	6.5	15	17	10	-	1100.12.91.065	50
M12x1.5	6.5	8.0	15	17	10	-	1100.12.91.080	50
M16x1.5	8.0	10.5	18	22	10	-	1100.17.91.105	50
M20x1.5	11.0	15.0	24	23	10	-	1100.20.91.150	50
M25x1.5	16.0	20.5	30	28	11	-	1100.25.91.205	25
M32x1.5	21.0	25.5	36	28	13	-	1100.32.91.255	25
M40x1.5	28.5	33.0	46	31	13	-	1100.40.91.330	10
M50x1.5	37.0	42.0	55	34	14	-	1100.50.91.420	10
M63x1.5	46.0	52.0	70	37	14	-	1100.63.91.520	5

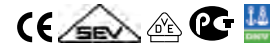
1 = METRIC COARSE-PITCH THREAD



PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	10	1100.17.92	50
M20x1.5	8.0	15.0	24	23	10	1100.20.92	50
M25x1.5	12.5	20.5	30	28	11	1100.25.92	25
M32x1.5	17.0	25.5	36	28	13	1100.32.92	25
M40x1.5	24.0	33.0	46	31	13	1100.40.92	10
M50x1.5	33.0	42.0	55	34	14	1100.50.92	10
M63x1.5	40.0	52.0	70	37	14	1100.63.92	5

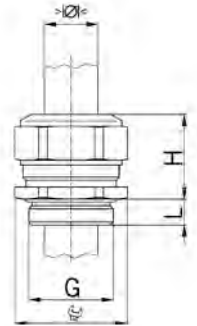


CABLE GLANDS NICKEL-PLATED BRASS

FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 SEAL: FPM
 O-RING: FPM
 TEMPERATURE RANGE: -40°C / +200°C
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)
 PROTECTION TYPE ADDITION: IP 69K



PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	15	17	6	1000.07.91.050	50
Pg 7	5.0	6.5	15	17	6	1000.07.91.065	50
Pg 7	6.5	8.0	15	17	6	1000.07.91.080	50
Pg 9	8.0	10.5	18	22	6	1000.09.91.105	50
Pg 11	8.5	12.0	21	21	6	1000.11.91.120	50
Pg 13	11.0	15.0	24	23	6	1000.13.91.150	50
Pg 16	11.0	15.0	24	23	6	1000.16.91.150	50
Pg 21	16.0	20.5	30	28	7	1000.21.91.205	25
Pg 29	23.0	27.5	38	28	8	1000.29.91.275	25
Pg 36	30.5	35.0	50	32	8	1000.36.91.350	10
Pg 42	37.0	42.0	55	34	10	1000.42.91.420	10
Pg 48	43.0	49.0	65	37	11	1000.48.91.490	10



PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	6	1000.09.92	50
Pg 11	5.5	12.0	21	21	6	1000.11.92	50
Pg 13	8.0	15.0	24	23	6	1000.13.92	50
Pg 16	8.0	15.0	24	23	6	1000.16.92	50
Pg 21	12.5	20.5	30	28	7	1000.21.92	25
Pg 29	19.0	27.5	38	28	8	1000.29.92	25
Pg 36	26.0	35.0	50	32	8	1000.36.92	10
Pg 42	33.0	42.0	55	34	10	1000.42.92	10
Pg 48	37.0	49.0	65	37	11	1000.48.92	10





CABLE GLANDS NICKEL-PLATED BRASS FOR HIGH TEMPERATURE APPLICATIONS LONG ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS
SEAL: FPM
O-RING: FPM
TEMPERATURE RANGE: -40°C / +200°C
PROTECTION CLASS: IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION: IP 69K

PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	15	17	10	1100.07.91.050	50
Pg 7	5.0	6.5	15	17	10	1100.07.91.065	50
Pg 7	6.5	8.0	15	17	10	1100.07.91.080	50
Pg 9	8.0	10.5	18	22	10	1100.09.91.105	50
Pg 11	8.5	12.0	21	21	10	1100.11.91.120	50
Pg 13	11.0	15.0	24	23	10	1100.13.91.150	50
Pg 16	11.0	15.0	24	23	10	1100.16.91.150	50
Pg 21	16.0	20.5	30	28	12	1100.21.91.205	25
Pg 29	23.0	27.5	38	28	12	1100.29.91.275	25
Pg 36	30.5	35.0	50	32	15	1100.36.91.350	10
Pg 42	37.0	42.0	55	34	15	1100.42.91.420	10
Pg 48	43.0	49.0	65	37	15	1100.48.91.490	10



PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	10	1100.09.92	50
Pg 11	5.5	12.0	21	21	10	1100.11.92	50
Pg 13	8.0	15.0	24	23	10	1100.13.92	50
Pg 16	8.0	15.0	24	23	10	1100.16.92	50
Pg 21	12.5	20.5	30	28	12	1100.21.92	25
Pg 29	19.0	27.5	38	28	12	1100.29.92	25
Pg 36	26.0	35.0	50	32	15	1100.36.92	10
Pg 42	33.0	42.0	55	34	15	1100.42.92	10
Pg 48	37.0	49.0	65	37	15	1100.48.92	10

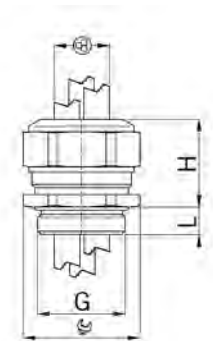


CABLE GLANDS NICKEL-PLATED BRASS

FOR INSTALLATION OF MULTIPLE CABLES

SHORT ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm			H mm	L mm	PART. NO.	
M16x1.5	2.0	3.0	2	18	22	5	1310.17.2.030	50
M16x1.5	2.5	4.0	2	18	22	5	1310.17.2.040	50
M16x1.5	3.5	5.0	2	18	22	5	1310.17.2.050	50
M20x1.5	3.5	5.0	2	24	23	6	1310.20.2.050	50
M20x1.5	4.5	6.0	2	24	23	6	1310.20.2.060	50
M20x1.5	5.5	7.5	2	24	23	6	1310.20.2.075	50
M20x1.5	3.5	5.0	3	24	23	6	1310.20.3.050	50
M20x1.5	4.5	6.0	3	24	23	6	1310.20.3.060	50
M20x1.5	5.2	6.5	3	24	23	6	1310.20.3.065	50
M20x1.5	3.5	5.0	4	24	23	6	1310.20.4.050	50
M20x1.5	4.5	6.0	4	24	23	6	1310.20.4.060	50
M25x1.5	5.0	7.0	2	30	28	7	1310.25.2.070	25
M25x1.5	6.7	9.0	2	30	28	7	1310.25.2.090	25
M25x1.5	7.7	10.0	2	30	28	7	1310.25.2.100	25
M25x1.5	5.5	7.0	3	30	28	7	1310.25.3.070	25
M25x1.5	6.8	9.0	3	30	28	7	1310.25.3.090	25
M25x1.5	5.5	7.0	4	30	28	7	1310.25.4.070	25
M25x1.5	4.8	6.0	6	30	28	7	1310.25.6.060	25
M32x1.5	9.0	11.5	2	36	28	8	1310.32.2.115	25
M32x1.5	7.0	9.0	3	36	28	8	1310.32.3.090	25
M32x1.5	8.5	10.5	3	36	28	8	1310.32.3.105	25
M32x1.5	7.0	9.0	4	36	28	8	1310.32.4.090	25
M32x1.5	5.8	7.0	6	36	28	8	1310.32.6.070	25



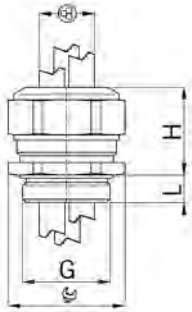
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.



CABLE GLANDS NICKEL-PLATED BRASS

FOR INSTALLATION OF MULTIPLE CABLES

LONG ENTRY THREAD METRIC

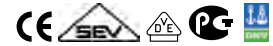


MATERIAL: NICKEL-PLATED BRASS
SEAL: TPE
O-RING: NBR
STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm			H mm	L mm	PART. NO.	
M16x1.5	2.0	3.0	2	18	22	10	1311.17.2.030	50
M16x1.5	2.5	4.0	2	18	22	10	1311.17.2.040	50
M16x1.5	3.5	5.0	2	18	22	10	1311.17.2.050	50
M20x1.5	3.5	5.0	2	24	23	10	1311.20.2.050	50
M20x1.5	4.5	6.0	2	24	23	10	1311.20.2.060	50
M20x1.5	5.5	7.5	2	24	23	10	1311.20.2.075	50
M20x1.5	3.5	5.0	3	24	23	10	1311.20.3.050	50
M20x1.5	4.5	6.0	3	24	23	10	1311.20.3.060	50
M20x1.5	5.2	6.5	3	24	23	10	1311.20.3.065	50
M20x1.5	3.5	5.0	4	24	23	10	1311.20.4.050	50
M20x1.5	4.5	6.0	4	24	23	10	1311.20.4.060	50
M25x1.5	5.0	7.0	2	30	28	11	1311.25.2.070	25
M25x1.5	6.7	9.0	2	30	28	11	1311.25.2.090	25
M25x1.5	7.7	10.0	2	30	28	11	1311.25.2.100	25
M25x1.5	5.5	7.0	3	30	28	11	1311.25.3.070	25
M25x1.5	6.8	9.0	3	30	28	11	1311.25.3.090	25
M25x1.5	5.5	7.0	4	30	28	11	1311.25.4.070	25
M25x1.5	4.8	6.0	6	30	28	11	1311.25.6.060	25
M32x1.5	9.0	11.5	2	36	28	13	1311.32.2.115	25
M32x1.5	7.0	9.0	3	36	28	13	1311.32.3.090	25
M32x1.5	8.5	10.5	3	36	28	13	1311.32.3.105	25
M32x1.5	7.0	9.0	4	36	28	13	1311.32.4.090	25
M32x1.5	5.8	7.0	6	36	28	13	1311.32.6.070	25

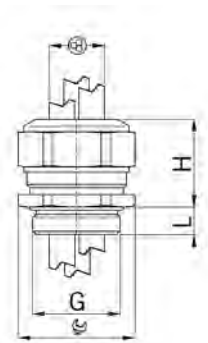
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.

CABLE GLANDS NICKEL-PLATED BRASS

FOR INSTALLATION OF MULTIPLE CABLES

SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm			H mm	L mm	PART. NO.	
Pg 9	2.0	3.0	2	18	22	6.0	1310.09.2.030	50
Pg 9	2.5	4.0	2	18	22	6.0	1310.09.2.040	50
Pg 9	3.5	5.0	2	18	22	6.0	1310.09.2.050	50
Pg 11	3.5	5.0	2	21	21	6.0	1310.11.2.050	50
Pg 11	4.5	6.0	2	21	21	6.0	1310.11.2.060	50
Pg 11	5.5	7.5	2	24	23	6.0	1310.11.2.075	50
Pg 11	3.5	5.0	3	21	21	6.0	1310.11.3.050	50
Pg 13	3.5	5.0	2	24	23	6.0	1310.13.2.050	50
Pg 13	4.5	6.0	2	24	23	6.0	1310.13.2.060	50
Pg 13	5.5	7.5	2	24	23	6.0	1310.13.2.075	50
Pg 13	3.5	5.0	3	24	23	6.0	1310.13.3.050	50
Pg 13	4.5	6.0	3	24	23	6.0	1310.13.3.060	50
Pg 13	5.2	6.5	3	24	23	6.0	1310.13.3.065	50
Pg 13	3.5	5.0	4	24	23	6.0	1310.13.4.050	50
Pg 13	4.5	6.0	4	24	23	6.0	1310.13.4.060	50
Pg 16	3.5	5.0	2	24	23	6.0	1310.16.2.050	50
Pg 16	4.5	6.0	2	24	23	6.0	1310.16.2.060	50
Pg 16	5.5	7.5	2	24	23	6.0	1310.16.2.075	50
Pg 16	6.7	9.0	2	30	28	6.0	1310.16.2.090	25
Pg 16	3.5	5.0	3	24	23	6.0	1310.16.3.050	50
Pg 16	4.5	6.0	3	24	23	6.0	1310.16.3.060	50
Pg 16	5.0	7.0	3	30	28	6.0	1310.16.3.070	25
Pg 16	3.5	5.0	4	24	23	6.0	1310.16.4.050	50
Pg 16	4.5	6.0	4	24	23	6.0	1310.16.4.060	50
Pg 16	5.5	7.0	4	30	28	6.0	1310.16.4.070	25
Pg 21	5.0	7.0	2	30	28	7.5	1310.21.2.070	25
Pg 21	6.7	9.0	2	30	28	7.5	1310.21.2.090	25
Pg 21	7.7	10.0	2	30	28	7.5	1310.21.2.100	25
Pg 21	9.0	11.5	2	36	28	7.5	1310.21.2.115	25
Pg 21	5.5	7.0	3	30	28	7.5	1310.21.3.070	25
Pg 21	6.8	9.0	3	30	28	7.5	1310.21.3.090	25
Pg 21	8.5	10.5	3	36	28	7.5	1310.21.3.105	25
Pg 21	5.5	7.0	4	30	28	7.5	1310.21.4.070	25
Pg 21	7.0	9.0	4	36	28	7.5	1310.21.4.090	25
Pg 21	4.8	6.0	6	30	28	7.5	1310.21.6.060	25
Pg 21	5.8	7.0	6	36	28	7.5	1310.21.6.070	25
Pg 29	7.5	9.0	3	38	28	8.0	1310.29.3.090	25



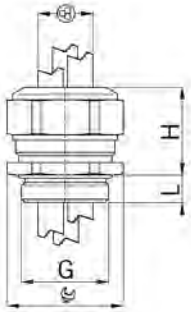
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.



CABLE GLANDS NICKEL-PLATED BRASS

FOR INSTALLATION OF MULTIPLE CABLES

LONG ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS
SEAL: TPE
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



PROGRESS MS MULTI

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm			H mm	L mm	PART. NO.	
Pg 9	2.0	3.0	2	18	22	10	1311.09.2.030	50
Pg 9	2.5	4.0	2	18	22	10	1311.09.2.040	50
Pg 9	3.5	5.0	2	18	22	10	1311.09.2.050	50
Pg 11	3.5	5.0	2	21	21	10	1311.11.2.050	50
Pg 11	4.5	6.0	2	21	21	10	1311.11.2.060	50
Pg 11	5.5	7.5	2	24	23	10	1311.11.2.075	50
Pg 11	3.5	5.0	3	21	21	10	1311.11.3.050	50
Pg 13	3.5	5.0	2	24	23	10	1311.13.2.050	50
Pg 13	4.5	6.0	2	24	23	10	1311.13.2.060	50
Pg 13	5.5	7.5	2	24	23	10	1311.13.2.075	50
Pg 13	3.5	5.0	3	24	23	10	1311.13.3.050	50
Pg 13	4.5	6.0	3	24	23	10	1311.13.3.060	50
Pg 13	5.2	6.5	3	24	23	10	1311.13.3.065	50
Pg 13	3.5	5.0	4	24	23	10	1311.13.4.050	50
Pg 13	4.5	6.0	4	24	23	10	1311.13.4.060	50
Pg 16	3.5	5.0	2	24	23	10	1311.16.2.050	50
Pg 16	4.5	6.0	2	24	23	10	1311.16.2.060	50
Pg 16	5.5	7.5	2	24	23	10	1311.16.2.075	50
Pg 16	6.7	9.0	2	30	28	10	1311.16.2.090	25
Pg 16	3.5	5.0	3	24	23	10	1311.16.3.050	50
Pg 16	4.5	6.0	3	24	23	10	1311.16.3.060	50
Pg 16	5.0	7.0	3	30	28	10	1311.16.3.070	25
Pg 16	3.5	5.0	4	24	23	10	1311.16.4.050	50
Pg 16	4.5	6.0	4	24	23	10	1311.16.4.060	50
Pg 16	5.5	7.0	4	30	28	10	1311.16.4.070	25
Pg 21	5.0	7.0	2	30	28	12	1311.21.2.070	25
Pg 21	6.7	9.0	2	30	28	12	1311.21.2.090	25
Pg 21	7.7	10.0	2	30	28	12	1311.21.2.100	25
Pg 21	9.0	11.5	2	36	28	12	1311.21.2.115	25
Pg 21	5.5	7.0	3	30	28	12	1311.21.3.070	25
Pg 21	6.8	9.0	3	30	28	12	1311.21.3.090	25
Pg 21	8.5	10.5	3	36	28	12	1311.21.3.105	25
Pg 21	5.5	7.0	4	30	28	12	1311.21.4.070	25
Pg 21	7.0	9.0	4	36	28	12	1311.21.4.090	25
Pg 21	4.8	6.0	6	30	28	12	1311.21.6.060	25
Pg 21	5.8	7.0	6	36	28	12	1311.21.6.070	25
Pg 29	7.5	9.0	3	38	28	12	1311.29.3.090	25

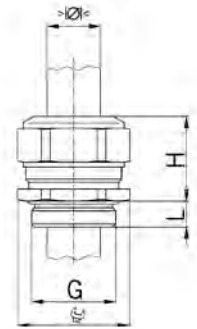
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.

CABLE GLANDS NICKEL-PLATED BRASS

WITH SEALING INSERT WITHOUT DRILLED HOLE

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	NBR, WITHOUT DRILLED HOLE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS NBR

ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M6x1.0	3.5	8	12	5	1	1000.06.30	50
M8x1.25	5.0	11	14	5	1	1000.08.30	50
M10x1.5	6.0	13	15	5	1	1000.10.30	50
M12x1.5	8.0	15	17	5	-	1000.12.30	50
M16x1.5	10.5	18	22	5	-	1000.17.30	50
M20x1.5	15.0	24	23	6	-	1000.20.30	50
M25x1.5	20.5	30	28	7	-	1000.25.30	25
M32x1.5	25.5	36	28	8	-	1000.32.30	25
M40x1.5	33.0	46	31	8	-	1000.40.30	10
M50x1.5	42.0	55	34	9	-	1000.50.30	10
M63x1.5	52.0	70	37	10	-	1000.63.30	5

1 = METRIC COARSE-PITCH THREAD

TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.



SHORT ENTRY THREAD PG

PROGRESS MS NBR

ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	8.0	15	17	6.0	1000.07.30	50
Pg 9	10.5	18	22	6.0	1000.09.30	50
Pg 11	12.0	21	21	6.0	1000.11.30	50
Pg 11	15.0	24	23	6.0	1000.11.20.30	50
Pg 13	15.0	24	23	6.0	1000.13.30	50
Pg 16	15.0	24	23	6.0	1000.16.30	50
Pg 16	18.5	30	28	6.0	1000.16.25.30	25
Pg 21	20.5	30	28	7.5	1000.21.30	25
Pg 21	23.0	36	28	7.5	1000.21.32.30	25
Pg 29	27.5	38	28	8.0	1000.29.30	25
Pg 29	33.0	46	31	8.0	1000.29.40.30	25
Pg 36	35.0	50	32	8.0	1000.36.30	10
Pg 36	42.0	55	34	8.0	1000.36.50.30	10
Pg 42	42.0	55	34	10.0	1000.42.30	10
Pg 48	49.0	65	37	11.0	1000.48.30	10

TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

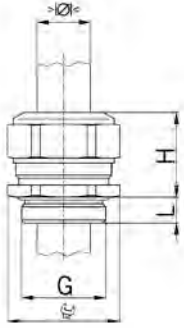




CABLE GLANDS NICKEL-PLATED BRASS

WITH SEALING INSERT WITHOUT DRILLED HOLE

SHORT ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
SEAL:	FPM, WITHOUT DRILLED HOLE
O-RING:	FPM
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS FPM



FOR HIGH TEMPERATURE APPLICATIONS / ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M6x1.0	3.5	8	12	5	1	1000.06.30.91	50
M8x1.25	5.0	11	14	5	1	1000.08.30.91	50
M10x1.5	6.0	13	15	5	1	1000.10.30.91	50
M12x1.5	8.0	15	17	5	-	1000.12.30.91	50
M16x1.5	10.5	18	22	5	-	1000.17.30.91	50
M20x1.5	15.0	24	23	6	-	1000.20.30.91	50
M25x1.5	20.5	30	28	7	-	1000.25.30.91	25
M32x1.5	25.5	36	28	8	-	1000.32.30.91	25
M40x1.5	33.0	46	31	8	-	1000.40.30.91	10
M50x1.5	42.0	55	34	9	-	1000.50.30.91	10
M63x1.5	52.0	70	37	10	-	1000.63.30.91	5

1 = METRIC COARSE-PITCH THREAD

TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

SHORT ENTRY THREAD PG

PROGRESS MS FPM



FOR HIGH TEMPERATURE APPLICATIONS / ONE-PIECE SOLID SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	8.0	15	17	6.0	1000.07.30.91	50
Pg 9	10.5	18	22	6.0	1000.09.30.91	50
Pg 11	12.0	21	21	6.0	1000.11.30.91	50
Pg 11	15.0	24	23	6.0	1000.11.20.30.91	50
Pg 13	15.0	24	23	6.0	1000.13.30.91	50
Pg 16	15.0	24	23	6.0	1000.16.30.91	50
Pg 16	18.5	30	28	6.0	1000.16.25.30.91	25
Pg 21	20.5	30	28	7.5	1000.21.30.91	25
Pg 21	23.0	36	28	7.5	1000.21.32.30.91	25
Pg 29	27.5	38	28	8.0	1000.29.30.91	25
Pg 29	33.0	46	31	8.0	1000.29.40.30.91	25
Pg 36	35.0	50	32	8.0	1000.36.30.91	10
Pg 36	42.0	55	34	8.0	1000.36.50.30.91	10
Pg 42	42.0	55	34	10.0	1000.42.30.91	10
Pg 48	49.0	65	37	11.0	1000.48.30.91	10

TECHNICAL NOTE

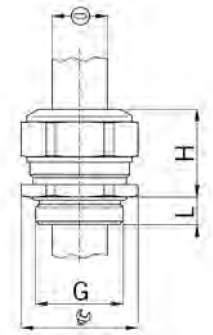
WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

CABLE GLANDS NICKEL-PLATED BRASS

FOR FLAT CABLES

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68



PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	 min mm	 max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	7.3x2.5	9.0x4.2	18	22	5	1300.17.090.042	50
M20x1.5	10.5x2.5	13.0x5.0	24	23	6	1300.20.130.050	50
M20x1.5	12.5x2.5	15.0x5.0	24	23	6	1300.20.150.050	50
M25x1.5	16.0x4.0	19.0x7.0	30	28	7	1300.25.190.070	25
M32x1.5	19.0x3.0	22.0x6.0	36	28	8	1300.32.220.060	25
M32x1.5	19.0x5.0	22.0x8.0	36	28	8	1300.32.220.080	25
M40x1.5	23.0x4.0	26.0x7.0	46	31	8	1300.40.260.070	10
M40x1.5	23.5x6.0	26.5x9.0	46	31	8	1300.40.265.090	10
M40x1.5	25.0x3.0	28.0x6.0	46	31	8	1300.40.280.060	10
M40x1.5	27.0x7.0	30.0x10.0	46	31	8	1300.40.300.100	10
M40x1.5	29.0x6.0	32.0x9.0	46	31	8	1300.40.320.090	10
M40x1.5	30.0x3.5	33.0x6.5	46	31	8	1300.40.330.065	10
M50x1.5	31.0x8.5	34.0x11.5	55	34	9	1300.50.340.115	10
M50x1.5	34.0x4.0	37.0x7.0	55	34	9	1300.50.370.070	10
M50x1.5	36.5x2.5	40.0x6.0	55	34	9	1300.50.400.060	10
M50x1.5	36.5x10.0	40.0x13.5	55	34	9	1300.50.400.135	10
M50x1.5	38.5x10.5	42.0x14.0	55	34	9	1300.50.420.140	10
M63x1.5	42.0x10.0	46.0x14.0	70	37	10	1300.63.460.140	5
M63x1.5	42.5x2.0	46.5x6.0	70	37	10	1300.63.465.060	5



LONG ENTRY THREAD PG

PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	 min mm	 max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	7.3x2.5	9.0x4.2	18	22	10	1301.17.090.042	50
M20x1.5	10.5x2.5	13.0x5.0	24	23	10	1301.20.130.050	50
M20x1.5	12.5x2.5	15.0x5.0	24	23	10	1301.20.150.050	50
M25x1.5	16.0x4.0	19.0x7.0	30	28	11	1301.25.190.070	25
M32x1.5	19.0x3.0	22.0x6.0	36	28	13	1301.32.220.060	25
M32x1.5	19.0x5.0	22.0x8.0	36	28	13	1301.32.220.080	25
M40x1.5	23.0x4.0	26.0x7.0	46	31	13	1301.40.260.070	10
M40x1.5	23.5x6.0	26.5x9.0	46	31	13	1301.40.265.090	10
M40x1.5	25.0x3.0	28.0x6.0	46	31	13	1301.40.280.060	10
M40x1.5	27.0x7.0	30.0x10.0	46	31	13	1301.40.300.100	10
M40x1.5	29.0x6.0	32.0x9.0	46	31	13	1301.40.320.090	10
M40x1.5	30.0x3.5	33.0x6.5	46	31	13	1301.40.330.065	10
M50x1.5	31.0x8.5	34.0x11.5	55	34	14	1301.50.340.115	10
M50x1.5	34.0x4.0	37.0x7.0	55	34	14	1301.50.370.070	10
M50x1.5	36.5x2.5	40.0x6.0	55	34	14	1301.50.400.060	10
M50x1.5	36.5x10.0	40.0x13.5	55	34	14	1301.50.400.135	10
M50x1.5	38.5x10.5	42.0x14.0	55	34	14	1301.50.420.140	10
M63x1.5	42.0x10.0	46.0x14.0	70	37	14	1301.63.460.140	5
M63x1.5	42.5x2.0	46.5x6.0	70	37	14	1301.63.465.060	5

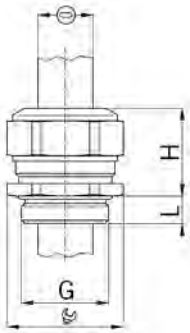




CABLE GLANDS NICKEL-PLATED BRASS

FOR FLAT CABLES

SHORT ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS
SEAL: TPE
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68

PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	 min mm	 max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	7.3x2.5	9.0x4.2	18	22	6.0	1300.09.090.042	50
Pg 13	10.5x2.5	13.0x5.0	24	23	6.0	1300.13.130.050	50
Pg 13	12.5x2.5	15.0x5.0	24	23	6.0	1300.13.150.050	50
Pg 16	10.5x2.5	13.0x5.0	24	23	6.0	1300.16.130.050	50
Pg 16	12.5x2.5	15.0x5.0	24	23	6.0	1300.16.150.050	50
Pg 21	16.0x4.0	19.0x7.0	30	28	7.5	1300.21.190.070	25
Pg 21	19.0x3.0	22.0x6.0	36	28	7.5	1300.21.220.060	25
Pg 21	19.0x5.0	22.0x8.0	36	28	7.5	1300.21.220.080	25
Pg 29	23.0x4.0	26.0x7.0	46	31	8.0	1300.29.260.070	25
Pg 29	23.5x6.0	26.5x9.0	46	31	8.0	1300.29.265.090	25
Pg 29	25.0x3.0	28.0x6.0	46	31	8.0	1300.29.280.060	25
Pg 29	27.0x7.0	30.0x10.0	46	31	8.0	1300.29.300.100	25
Pg 29	29.0x6.0	32.0x9.0	46	31	8.0	1300.29.320.090	25
Pg 29	30.0x3.5	33.0x6.5	46	31	8.0	1300.29.330.065	25
Pg 42	31.0x8.5	34.0x11.5	55	34	10.0	1300.42.340.115	10
Pg 42	34.0x4.0	37.0x7.0	55	34	10.0	1300.42.370.070	10
Pg 42	36.5x2.5	40.0x6.0	55	34	10.0	1300.42.400.060	10
Pg 42	36.5x10.0	40.0x13.5	55	34	10.0	1300.42.400.135	10
Pg 42	38.5x10.5	42.0x14.0	55	34	10.0	1300.42.420.140	10
Pg 48	42.0x10.0	46.0x14.0	65	37	11.0	1300.48.460.140	10
Pg 48	42.5x2.0	46.5x6.0	65	37	11.0	1300.48.465.060	10

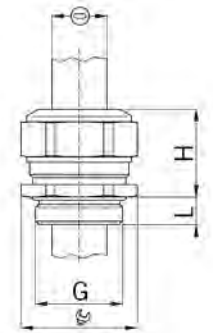


CABLE GLANDS NICKEL-PLATED BRASS

FOR FLAT CABLES

LONG ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



PROGRESS MS FK

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	 min mm	 max mm	 mm	H mm	L mm	PART. NO.	
PG 9	7.3x2.5	9.0x4.2	18	22	10	1301.09.090.042	50
PG 13	10.5x2.5	13.0x5.0	24	23	10	1301.13.130.050	50
PG 13	12.5x2.5	15.0x5.0	24	23	10	1301.13.150.050	50
PG 16	10.5x2.5	13.0x5.0	24	23	10	1301.16.130.050	50
PG 16	12.5x2.5	15.0x5.0	24	23	10	1301.16.150.050	50
PG 21	16.0x4.0	19.0x7.0	30	28	12	1301.21.190.070	25
PG 21	19.0x3.0	22.0x6.0	36	28	12	1301.21.220.060	25
PG 21	19.0x5.0	22.0x8.0	36	28	12	1301.21.220.080	25
PG 29	23.0x4.0	26.0x7.0	46	31	12	1301.29.260.070	25
PG 29	23.5x6.0	26.5x9.0	46	31	12	1301.29.265.090	25
PG 29	25.0x3.0	28.0x6.0	46	31	12	1301.29.280.060	25
PG 29	27.0x7.0	30.0x10.0	46	31	12	1301.29.300.100	25
PG 29	29.0x6.0	32.0x9.0	46	31	12	1301.29.320.090	25
PG 29	30.0x3.5	33.0x6.5	46	31	12	1301.29.330.065	25
PG 42	31.0x8.5	34.0x11.5	55	34	15	1301.42.340.115	10
PG 42	34.0x4.0	37.0x7.0	55	34	15	1301.42.370.070	10
PG 42	36.5x2.5	40.0x6.0	55	34	15	1301.42.400.060	10
PG 42	36.5x10.0	40.0x13.5	55	34	15	1301.42.400.135	10
PG 42	38.5x10.5	42.0x14.0	55	34	15	1301.42.420.140	10
PG 48	42.0x10.0	46.0x14.0	65	37	15	1301.48.460.140	10
PG 48	42.5x2.0	46.5x6.0	65	37	15	1301.48.465.060	10

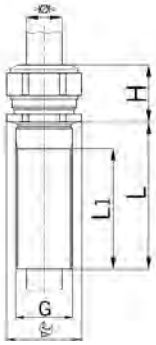




CABLE GLANDS NICKEL-PLATED BRASS

WITH SPECIAL ENTRY THREAD

EXTRA-LONG ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)
 PROTECTION TYPE: IP 69K
 ADDITION:



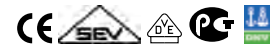
PROGRESS MS L

ENTRY THREAD METRIC, 50 MM LONG / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

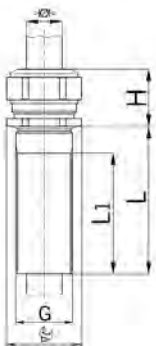
G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	24/18	22	50	1100.17.50	10
M20x1.5	8.0	15.0	30/24	23	50	1100.20.50	10
M25x1.5	12.5	20.5	36/30	28	50	1100.25.50	10
M32x1.5	17.0	25.5	46/36	28	50	1100.32.50	10
M40x1.5	24.0	33.0	55/46	31	50	1100.40.50	10

L1 = L - 10MM

FURTHER DIMENSIONS UPON REQUEST



SPECIALLY LONG ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68 (UP TO 10 BAR)
 PROTECTION TYPE ADDITION: IP 69K



PROGRESS MS L

ENTRY THREAD PG, 50 MM LONG / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
PG 11	5.5	12.0	27/21	21	50	1100.11.50	10
PG 13	8.0	15.0	30/24	23	50	1100.13.50	10
PG 16	8.0	15.0	30/24	23	50	1100.16.50	10
PG 21	12.5	20.5	38/30	28	50	1100.21.50	10
PG 29	19.0	27.5	46/38	28	50	1100.29.50	10

L1 = L - 10MM

FURTHER DIMENSIONS UPON REQUEST



CABLE GLANDS NICKEL-PLATED BRASS

WITH SPECIAL ENTRY THREAD

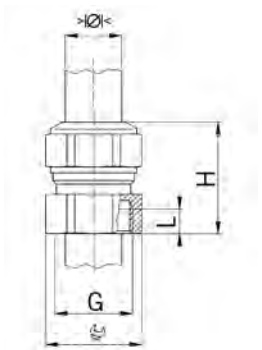
INNER THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68, IF THE ENTRY THREAD IS SEALED
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS IG

INTERNAL THREAD METRIC / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{smallmatrix} >\varnothing< \\ \text{min mm} \end{smallmatrix}$	$\begin{smallmatrix} >\varnothing< \\ \text{max mm} \end{smallmatrix}$	$\begin{smallmatrix} \text{mm} \\ \text{mm} \end{smallmatrix}$	H	L	PART. NO.	
				mm	mm		
M16x1.5	6.0	10.5	18	28	6	1400.17	25
M20x1.5	8.0	15.0	24	31	6	1400.20	25
M25x1.5	12.5	20.5	30	40	10	1400.25	25



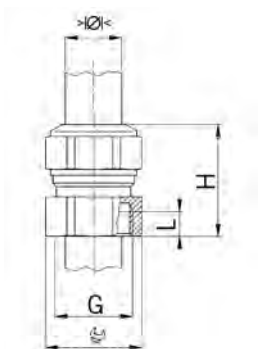
INNER THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68, IF THE ENTRY THREAD IS SEALED
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS IG

INTERNAL THREAD PG / TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{smallmatrix} >\varnothing< \\ \text{min mm} \end{smallmatrix}$	$\begin{smallmatrix} >\varnothing< \\ \text{max mm} \end{smallmatrix}$	$\begin{smallmatrix} \text{mm} \\ \text{mm} \end{smallmatrix}$	H	L	PART. NO.	
				mm	mm		
PG 11	5.5	12.0	21	28	6	1400.11	25
PG 16	8.0	15.0	24	31	6	1400.16	25
PG 21	12.5	20.5	30	40	10	1400.21	25

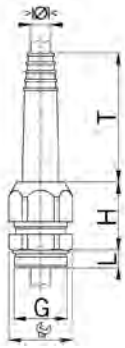




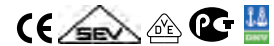
CABLE GLANDS NICKEL-PLATED BRASS

WITH ANTIKINK NOZZLE IN EPDM

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
 SEAL: NBR
 O-RING: NBR
 ANTIKINK NOZZLE: EPDM
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68
 PROTECTION TYPE ADDITION: IP 69K

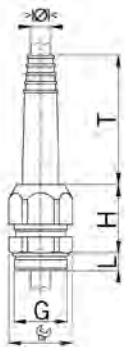


SHORT ENTRY THREAD METRIC / ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	H mm	T mm	L mm	i info	PART. NO.	
M8x1.25	3.8	4.8	11	12	25	6 1	1008.52	50
M10x1.5	4.0	6.0	16	20	35	6 1	1010.52	50
M12x1.5	4.0	6.0	16	20	35	6 -	1012.52	50
M16x1.5	6.0	8.8	20	24	45	6 -	1017.52	50
M20x1.5	9.0	11.0	24	28	65	6 -	1020.51	25
M20x1.5	10.5	13.0	24	28	75	6 -	1020.52	25
M25x1.5	13.0	16.5	32	33	92	7 -	1025.52	10

1 = METRIC COARSE-PITCH THREAD

SHORT ENTRY THREAD PG



MATERIAL: NICKEL-PLATED BRASS
 SEAL: NBR
 O-RING: NBR
 ANTIKINK NOZZLE: EPDM
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68
 PROTECTION TYPE ADDITION: IP 69K



SHORT ENTRY THREAD PG / ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

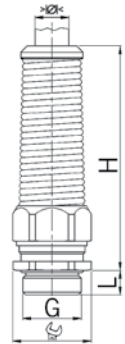
G	 min mm	 max mm	 mm	H mm	T mm	L mm	PART. NO.	
PG 7	4.0	6.0	16	20	35	6	1007.52	50
PG 9	6.0	8.8	20	24	45	6	1009.52	50
PG 11	6.0	8.8	20	24	45	6	1011.52	50
PG 13	9.0	11.0	24	28	65	6	1013.51	25
PG 13	10.5	13.0	24	28	75	6	1013.52	25
PG 16	9.0	11.0	24	28	65	6	1016.51	25
PG 16	10.5	13.0	24	28	75	6	1016.52	25
PG 21	13.0	16.5	32	33	92	7.5	1021.51	10

CABLE GLANDS NICKEL-PLATED BRASS

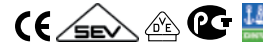
WITH ANTIKINK SPRING

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
ANTI-KINK SPRING:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS FKN



ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.0	11	49	5	1	1060.08.52.030	10
M8x1.25	3.5	4.0	11	49	5	1	1060.08.52.040	10
M10x1.5	3.0	4.0	13	52	5	1	1060.10.52.040	10
M10x1.5	4.0	6.0	13	52	5	1	1060.10.52.060	10
M12x1.5	3.5	5.0	15	57	5	-	1060.12.52.050	10
M12x1.5	5.0	6.5	15	57	5	-	1060.12.52.065	10
M12x1.5	6.5	7.5	15	57	5	-	1060.12.52.075	10
M16x1.5	4.5	6.0	18	66	5	-	1060.17.52.060	10
M16x1.5	6.0	8.0	18	66	5	-	1060.17.52.080	10
M16x1.5	8.0	10.5	18	66	5	-	1060.17.52.105	10
M20x1.5	6.0	8.0	24	86	6	-	1060.20.52.080	10
M20x1.5	8.0	11.0	24	86	6	-	1060.20.52.110	10
M20x1.5	11.0	14.5	24	86	6	-	1060.20.52.145	10
M25x1.5	9.5	12.5	30	99	7	-	1060.25.52.125	10
M25x1.5	12.5	16.0	30	99	7	-	1060.25.52.160	10
M25x1.5	16.0	19.0	30	99	7	-	1060.25.52.190	10
M32x1.5	17.0	21.0	36	109	8	-	1060.32.52.210	5
M32x1.5	21.0	24.5	36	109	8	-	1060.32.52.245	5



1 = METRIC COARSE-PITCH THREAD

THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.

PROGRESS MS FKN



TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	66	5	1060.17.52	10
M20x1.5	8.0	14.5	24	86	6	1060.20.52	10
M25x1.5	12.5	19.0	30	99	7	1060.25.52	10
M32x1.5	17.0	24.5	36	109	8	1060.32.52	5



THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

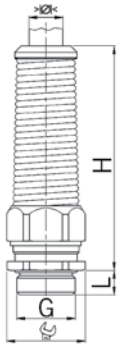
- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.



CABLE GLANDS NICKEL-PLATED BRASS

WITH ANTIKINK SPRING

SHORT ENTRY THREAD PG



MATERIAL:	NICKEL-PLATED BRASS
ANTI-KINK SPRING:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS FKN



ONE-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	15	57	6	1060.07.52.050	10
Pg 7	5.0	6.5	15	57	6	1060.07.52.065	10
Pg 7	6.5	7.5	15	57	6	1060.07.52.075	10
Pg 9	4.5	6.0	18	66	6	1060.09.52.060	10
Pg 9	6.0	8.0	18	66	6	1060.09.52.080	10
Pg 9	8.0	10.5	18	66	6	1060.09.52.105	10
Pg 11	4.5	6.0	18/21	66	6	1060.11.52.060	10
Pg 11	6.0	8.0	18/21	66	6	1060.11.52.080	10
Pg 11	8.0	10.5	18/21	66	6	1060.11.52.105	10
Pg 13	6.0	8.0	24	86	6	1060.13.52.080	10
Pg 13	8.0	11.0	24	86	6	1060.13.52.110	10
Pg 13	11.0	14.5	24	86	6	1060.13.52.145	10
Pg 16	6.0	8.0	24	86	6	1060.16.52.080	10
Pg 16	8.0	11.0	24	86	6	1060.16.52.110	10
Pg 16	11.0	14.5	24	86	6	1060.16.52.145	10
Pg 21	9.5	12.5	30	99	7.5	1060.21.52.125	5
Pg 21	12.5	16.0	30	99	7.5	1060.21.52.160	5
Pg 21	16.0	19.0	30	99	7.5	1060.21.52.190	5

THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.



PROGRESS MS FKN



TWO-PIECE SEALING INSERT / OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	66	6	1060.09.52	10
Pg 11	6.0	10.5	18/21	66	6	1060.11.52	10
Pg 13	8.0	14.5	24	86	6	1060.13.52	10
Pg 16	8.0	14.5	24	86	6	1060.16.52	10
Pg 21	12.5	19.0	30	99	7.5	1060.21.52	5

THE FOLLOWING CABLE GLANDS WITH ANTI-KINK SPRING ARE AVAILABLE UPON REQUEST:

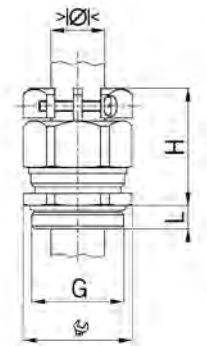
- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.

CABLE GLANDS NICKEL-PLATED BRASS

WITH CLAMPS

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
SCREWS:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION B
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M10x1.5	3.0	4.0	13/16	24	5	1	1800.10.03.040	50
M10x1.5	4.0	6.0	13/16	24	5	1	1800.10.03.060	50
M12x1.5	5.0	6.5	15/16	26	5	-	1800.12.03.065	50
M12x1.5	6.5	8.0	15/16	26	5	-	1800.12.03.080	50

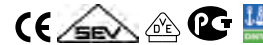
1 = METRIC COARSE-PITCH THREAD



PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18/19	30	5	1800.17.03.105	50
M20x1.5	8.0	15.0	24	31	6	1800.20.03.150	50
M25x1.5	12.5	20.5	30	35	7	1800.25.03.205	25
M32x1.5	17.0	25.5	36	40	8	1800.32.03.255	25
M40x1.5	24.0	33.0	46	44	8	1800.40.03.330	10
M50x1.5	33.0	42.0	55	49	9	1800.50.03.410	10
M63x1.5	40.0	52.0	70	55	10	1800.63.03.520	5
M75x1.5	50.0	63.0	80	56	11	1800.75.03.630	1



LONG ENTRY THREAD METRIC

PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M10x1.5	3.0	4.0	13/16	24	10	1	1800.10.13.040	50
M10x1.5	4.0	6.0	13/16	24	10	1	1800.10.13.060	50
M12x1.5	5.0	6.5	15/16	26	10	-	1800.12.13.065	50
M12x1.5	6.5	8.0	15/16	26	10	-	1800.12.13.080	50

1 = METRIC COARSE-PITCH THREAD



PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18/19	30	10	1800.17.13.105	50
M20x1.5	8.0	15.0	24	31	10	1800.20.13.150	50
M25x1.5	12.5	20.5	30	35	11	1800.25.13.205	25
M32x1.5	17.0	25.5	36	40	13	1800.32.13.255	25
M40x1.5	24.0	33.0	46	44	13	1800.40.13.330	10
M50x1.5	33.0	42.0	55	49	14	1800.50.13.410	10
M63x1.5	40.0	52.0	70	55	14	1800.63.13.520	5
M75x1.5	50.0	63.0	80	56	15	1800.75.13.630	1

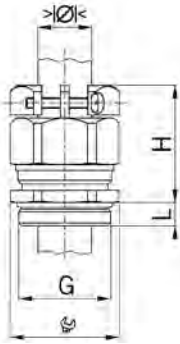




CABLE GLANDS NICKEL-PLATED BRASS

WITH CLAMPS

SHORT ENTRY THREAD PG



MATERIAL:	NICKEL-PLATED BRASS
SCREWS:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	5.0	6.5	15/16	26	6	1800.07.03.065	50
Pg 7	6.5	8.0	15/16	26	6	1800.07.03.080	50

PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18/19	30	6	1800.09.03.105	50
Pg 11	5.5	12.0	21	31	6	1800.11.03.120	50
Pg 13	8.0	15.0	24	31	6	1800.13.03.150	50
Pg 16	8.0	15.0	24	31	6	1800.16.03.150	50
Pg 21	12.5	20.5	30	35	7	1800.21.03.205	25
Pg 29	19.0	27.5	38	40	8	1800.29.03.275	25
Pg 36	26.0	35.0	50	47	8	1800.36.03.350	10
Pg 42	33.0	42.0	55	49	10	1800.42.03.410	10
Pg 48	37.0	49.0	65	51	11	1800.48.03.490	5

LONG ENTRY THREAD PG

PROGRESS MS KB

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	5.0	6.5	15/16	26	10	1800.07.13.065	50
Pg 7	6.5	8.0	15/16	26	10	1800.07.13.080	50

PROGRESS MS KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

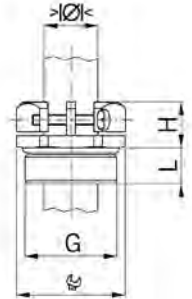
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18/19	30	10	1800.09.13.105	50
Pg 11	5.5	12.0	21	31	10	1800.11.13.120	50
Pg 13	8.0	15.0	24	31	10	1800.13.13.150	50
Pg 16	8.0	15.0	24	31	10	1800.16.13.150	50
Pg 21	12.5	20.5	30	35	12	1800.21.13.205	25
Pg 29	19.0	27.5	38	40	12	1800.29.13.275	25
Pg 36	26.0	35.0	50	47	15	1800.36.13.350	10
Pg 42	33.0	42.0	55	49	15	1800.42.13.410	10
Pg 48	37.0	49.0	65	51	15	1800.48.13.490	5

CABLE GLANDS NICKEL-PLATED BRASS

WITH CLAMPS

ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS
 SCREWS: STAINLESS STEEL A2
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION B
 TEMPERATURE RANGE: -50°C / +300°C
 PROTECTION CLASS: IP 20



PROGRESS MS KBST

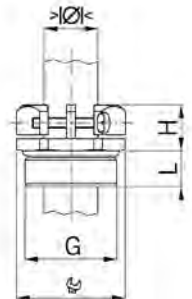
MECHANICAL STRAIN RELIEF B

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
M12x1.5	5.0	8.0	16	10	10	1812.02	50
M16x1.5	6.0	10.5	19	11	10	1817.02	50
M20x1.5	8.0	15.0	24	12	10	1820.02	50
M25x1.5	12.5	20.5	30	13	11	1825.02	25
M32x1.5	17.0	25.5	36	15	13	1832.02	25
M40x1.5	24.0	33.0	46	17	13	1840.02	10



ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 SCREWS: STAINLESS STEEL A2
 TEMPERATURE RANGE: -50°C / +300°C
 PROTECTION CLASS: IP 20



PROGRESS MS KBST

MECHANICAL STRAIN RELIEF B

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
Pg 7	4.0	8.0	17	10	5	1807.02	50
Pg 9	6.0	10.0	20	11	6	1809.02	50
Pg 11	6.0	12.0	22	11	6	1811.02	50
Pg 13	7.0	15.0	24	11	7	1813.02	50
Pg 16	9.0	17.0	27	12	7	1816.02	50
Pg 21	12.0	22.0	35	14	8	1821.02	25
Pg 29	18.0	30.0	42	15	8	1829.02	10
Pg 36	24.0	36.0	55	18	10	1836.02	10

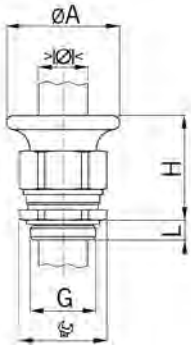




CABLE GLANDS NICKEL-PLATED BRASS

WITH TRUMPET

SHORT ENTRY THREAD METRIC

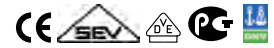


MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	ØA mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	28	31	5	1800.10.17	50
M20x1.5	8.0	15.0	24	34	32	6	1800.10.20	50
M25x1.5	12.5	20.5	30	44	38	7	1800.10.25	25
M32x1.5	17.0	25.5	36	50	44	8	1800.10.32	25
M40x1.5	24.0	33.0	46	57	46	8	1800.10.40	10

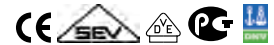


LONG ENTRY THREAD METRIC

PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	ØA mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	28	31	10	1800.11.17	50
M20x1.5	8.0	15.0	24	34	32	10	1800.11.20	50
M25x1.5	12.5	20.5	30	44	38	11	1800.11.25	25
M32x1.5	17.0	25.5	36	50	44	13	1800.11.32	25
M40x1.5	24.0	33.0	46	57	46	13	1800.11.40	10

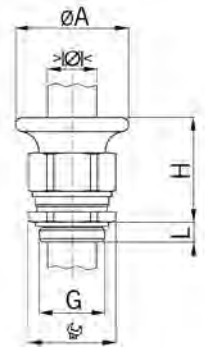


CABLE GLANDS NICKEL-PLATED BRASS

WITH TRUMPET

SHORT ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	ØA mm	H mm	L mm	PART. NO.	
PG 9	6.0	10.5	18	28	31	6	1800.10.09	50
PG 11	5.5	12.0	21	30	31	6	1800.10.11	50
PG 13	8.0	15.0	24	34	32	6	1800.10.13	50
PG 16	8.0	15.0	24	34	32	6	1800.10.16	50
PG 21	12.5	20.5	30	44	38	7.5	1800.10.21	25
PG 29	19.0	27.5	38	50	44	8	1800.10.29	10



LONG ENTRY THREAD PG

PROGRESS MS T

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	ØA mm	H mm	L mm	PART. NO.	
PG 9	6.0	10.5	18	28	31	10	1800.11.09	50
PG 11	5.5	12.0	21	30	31	10	1800.11.11	50
PG 13	8.0	15.0	24	34	32	10	1800.11.13	50
PG 16	8.0	15.0	24	34	32	10	1800.11.16	50
PG 21	12.5	20.5	30	44	38	12	1800.11.21	25
PG 29	19.0	27.5	38	50	44	12	1800.11.29	10

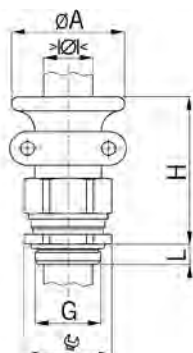




CABLE GLANDS NICKEL-PLATED BRASS

WITH TRUMPET / CLAMPS

SHORT ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
SCREWS:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION B
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$>\phi$ min mm	$>\phi$ max mm	ϕ mm	ϕA mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	28	43	5	1801.10.17	50
M20x1.5	8.0	15.0	24	34	46	6	1801.10.20	50
M25x1.5	12.5	20.5	30	44	52	7	1801.10.25	25
M32x1.5	17.0	25.5	36	50	59	8	1801.10.32	10
M40x1.5	24.0	33.0	46	57	59	8	1801.10.40	5

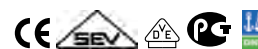


LONG ENTRY THREAD METRIC

PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$>\phi$ min mm	$>\phi$ max mm	ϕ mm	ϕA mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	28	43	10	1801.11.17	50
M20x1.5	8.0	15.0	24	34	46	10	1801.11.20	50
M25x1.5	12.5	20.5	30	44	52	11	1801.11.25	25
M32x1.5	17.0	25.5	36	50	59	13	1801.11.32	10
M40x1.5	24.0	33.0	46	57	59	13	1801.11.40	5

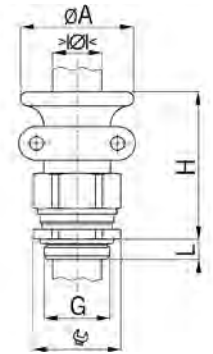


CABLE GLANDS NICKEL-PLATED BRASS

WITH TRUMPET / CLAMPS

SHORT ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
SCREWS:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	ØA mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	28	43	6	1801.10.09	50
Pg 11	5.5	12.0	21	30	43	6	1801.10.11	50
Pg 13	8.0	15.0	24	34	46	6	1801.10.13	50
Pg 16	8.0	15.0	24	34	46	6	1801.10.16	50
Pg 21	12.5	20.5	30	44	52	7.5	1801.10.21	25
Pg 29	19.0	27.5	38	50	59	8	1801.10.29	10



LONG ENTRY THREAD PG

PROGRESS MS T+KB

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

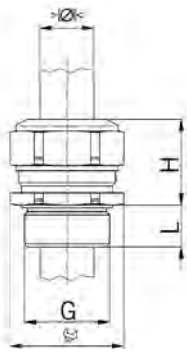
G	>Ø< min mm	>Ø< max mm	 mm	ØA mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	28	43	10	1801.11.09	50
Pg 11	5.5	12.0	21	30	43	10	1801.11.11	50
Pg 13	8.0	15.0	24	34	46	10	1801.11.13	50
Pg 16	8.0	15.0	24	34	46	10	1801.11.16	50
Pg 21	12.5	20.5	30	44	52	12	1801.11.21	25
Pg 29	19.0	27.5	38	50	59	12	1801.11.29	10





CABLE GLANDS STAINLESS STEEL A2

LONG ENTRY THREAD METRIC



MATERIAL:	CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303)
IDENTIFICATION:	1 GROOVE
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS S2

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.5	11	14	10	1	1100.08.94.035	50
M8x1.25	3.5	5.0	11	14	10	1	1100.08.94.050	50
M10x1.5	3.0	4.0	13	15	10	1	1100.10.94.040	50
M10x1.5	4.0	6.0	13	15	10	1	1100.10.94.060	50
M12x1.5	3.5	5.0	17	17	10	-	1100.12.94.050	50
M12x1.5	5.0	6.5	17	17	10	-	1100.12.94.065	50
M12x1.5	6.5	8.0	17	17	10	-	1100.12.94.080	50
M16x1.5	8.0	10.5	19	20	10	-	1100.17.94.105	50
M20x1.5	11.0	15.0	24	21	10	-	1100.20.94.150	50
M25x1.5	16.0	20.5	30	25	11	-	1100.25.94.205	25
M32x1.5	21.0	25.5	36	28	13	-	1100.32.94.255	25
M40x1.5	28.5	33.0	46	31	13	-	1100.40.94.330	10
M50x1.5	37.0	42.0	55	34	14	-	1100.50.94.420	10
M63x1.5	46.0	52.0	70	37	14	-	1100.63.94.520	5

1 = METRIC COARSE-PITCH THREAD



PROGRESS S2

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

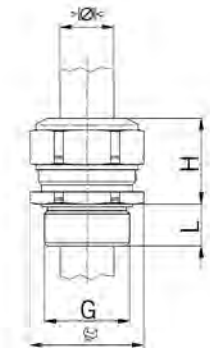


G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	19	20	10	1100.17.94	50
M20x1.5	8.0	15.0	24	21	10	1100.20.94	50
M25x1.5	12.5	20.5	30	25	11	1100.25.94	25
M32x1.5	17.0	25.5	36	28	13	1100.32.94	25
M40x1.5	24.0	33.0	46	31	13	1100.40.94	10
M50x1.5	33.0	42.0	55	34	14	1100.50.94	10
M63x1.5	40.0	52.0	70	37	14	1100.63.94	5

CABLE GLANDS STAINLESS STEEL A2

LONG ENTRY THREAD PG

MATERIAL:	CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303)
IDENTIFICATION:	1 GROOVE
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS S2

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	17	17	10	1100.07.94.050	50
Pg 7	5.0	6.5	17	17	10	1100.07.94.065	50
Pg 7	6.5	8.0	17	17	10	1100.07.94.080	50
Pg 9	8.0	10.5	19	20	10	1100.09.94.105	50
Pg 11	8.5	12.0	22	21	10	1100.11.94.120	50
Pg 13	11.0	15.0	24	21	10	1100.13.94.150	50
Pg 16	11.0	15.0	24	21	10	1100.16.94.150	50
Pg 21	16.0	20.5	30	25	12	1100.21.94.205	25
Pg 29	23.0	27.5	41	28	12	1100.29.94.275	25
Pg 36	30.5	35.0	50	32	15	1100.36.94.350	10
Pg 42	37.0	42.0	55	34	15	1100.42.94.420	10
Pg 48	43.0	49.0	65	37	15	1100.48.94.490	10



PROGRESS S2

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	19	20	10	1100.09.94	50
Pg 11	5.5	12.0	21	21	10	1100.11.94	50
Pg 13	8.0	15.0	24	21	10	1100.13.94	50
Pg 16	8.0	15.0	24	21	10	1100.16.94	50
Pg 21	12.5	20.5	30	25	12	1100.21.94	25
Pg 29	19.0	27.5	41	28	12	1100.29.94	25
Pg 36	26.0	35.0	50	32	15	1100.36.94	10
Pg 42	33.0	42.0	55	34	15	1100.42.94	10
Pg 48	37.0	49.0	65	37	15	1100.48.94	10

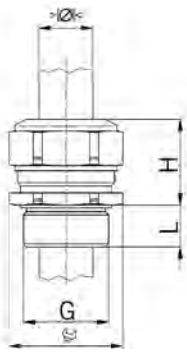




CABLE GLANDS STAINLESS STEEL A2

FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD METRIC



MATERIAL:	CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303)
IDENTIFICATION:	1 GROOVE
SEAL:	FPM
O-RING:	FPM
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS S2 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.5	11	14	10	1	1100.08.96.035	50
M8x1.25	3.5	5.0	11	14	10	1	1100.08.96.050	50
M10x1.5	3.0	4.0	13	15	10	1	1100.10.96.040	50
M10x1.5	4.0	6.0	13	15	10	1	1100.10.96.060	50
M12x1.5	3.5	5.0	17	17	10	-	1100.12.96.050	50
M12x1.5	5.0	6.5	17	17	10	-	1100.12.96.065	50
M12x1.5	6.5	8.0	17	17	10	-	1100.12.96.080	50
M16x1.5	8.0	10.5	19	20	10	-	1100.17.96.105	50
M20x1.5	11.0	15.0	24	21	10	-	1100.20.96.150	50
M25x1.5	16.0	20.5	30	25	11	-	1100.25.96.205	25
M32x1.5	21.0	25.5	36	28	13	-	1100.32.96.255	25
M40x1.5	28.5	33.0	46	31	13	-	1100.40.96.330	10
M50x1.5	37.0	42.0	55	34	14	-	1100.50.96.420	10
M63x1.5	46.0	52.0	70	37	14	-	1100.63.96.520	5

1 = METRIC COARSE-PITCH THREAD



PROGRESS S2 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	19	20	10	1100.17.96	50
M20x1.5	8.0	15.0	24	21	10	1100.20.96	50
M25x1.5	12.5	20.5	30	25	11	1100.25.96	25
M32x1.5	17.0	25.5	36	28	13	1100.32.96	25
M40x1.5	24.0	33.0	46	31	13	1100.40.96	10
M50x1.5	33.0	42.0	55	34	14	1100.50.96	10
M63x1.5	40.0	52.0	70	37	14	1100.63.96	5

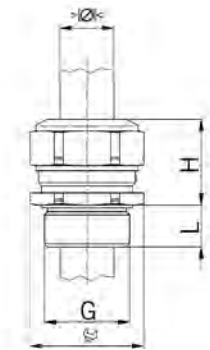


CABLE GLANDS STAINLESS STEEL A2

FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD PG

MATERIAL:	CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303)
IDENTIFICATION:	1 GROOVE
SEAL:	FPM
O-RING:	FPM
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS S2 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	17	17	10	1100.07.96.050	50
Pg 7	5.0	6.5	17	17	10	1100.07.96.065	50
Pg 7	6.5	8.0	17	17	10	1100.07.96.080	50
Pg 9	8.0	10.5	19	20	10	1100.09.96.105	50
Pg 11	8.5	12.0	22	21	10	1100.11.96.120	50
Pg 13	11.0	15.0	24	21	10	1100.13.96.150	50
Pg 16	11.0	15.0	24	21	10	1100.16.96.150	50
Pg 21	16.0	20.5	30	25	12	1100.21.96.205	25
Pg 29	23.0	27.5	41	28	12	1100.29.96.275	25
Pg 36	30.5	35.0	50	32	15	1100.36.96.350	10
Pg 42	37.0	42.0	55	34	15	1100.42.96.420	10
Pg 48	43.0	49.0	65	37	15	1100.48.96.490	10



PROGRESS S2 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	19	20	10	1100.09.96	50
Pg 11	5.5	12.0	22	21	10	1100.11.96	50
Pg 13	8.0	15.0	24	21	10	1100.13.96	50
Pg 16	8.0	15.0	24	21	10	1100.16.96	50
Pg 21	12.5	20.5	30	25	12	1100.21.96	25
Pg 29	19.0	27.5	41	28	12	1100.29.96	25
Pg 36	26.0	35.0	50	32	15	1100.36.96	10
Pg 42	33.0	42.0	55	34	15	1100.42.96	10
Pg 48	37.0	49.0	65	37	15	1100.48.96	10

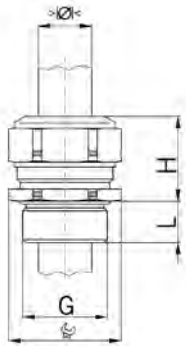




CABLE GLANDS STAINLESS & ACID-RESISTANT STEEL A4

FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD METRIC



MATERIAL:	STAINLESS AND ACID RESISTANT STEEL A4 CRNiMo (DIN EN 1.4435 / AISI 316L)
IDENTIFICATION:	2 GROOVES
SEAL:	FPM
O-RING:	FPM
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

PROGRESS S4 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.5	11	14	10	1	1100.08.98.035	50
M8x1.25	3.5	5.0	11	14	10	1	1100.08.98.050	50
M10x1.5	3.0	4.0	13	15	10	1	1100.10.98.040	50
M10x1.5	4.0	6.0	13	15	10	1	1100.10.98.060	50
M12x1.5	3.5	5.0	17	17	10	-	1100.12.98.050	50
M12x1.5	5.0	6.5	17	17	10	-	1100.12.98.065	50
M12x1.5	6.5	8.0	17	17	10	-	1100.12.98.080	50
M16x1.5	8.0	10.5	19	20	10	-	1100.17.98.105	50
M20x1.5	11.0	15.0	24	21	10	-	1100.20.98.150	50
M25x1.5	16.0	20.5	30	25	11	-	1100.25.98.205	25
M32x1.5	21.0	25.5	36	28	13	-	1100.32.98.255	25
M40x1.5	28.5	33.0	46	31	13	-	1100.40.98.330	10
M50x1.5	37.0	42.0	55	34	14	-	1100.50.98.420	10
M63x1.5	46.0	52.0	70	37	14	-	1100.63.98.520	5

1 = METRIC COARSE-PITCH THREAD



PROGRESS S4 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	19	20	10	1100.17.98	50
M20x1.5	8.0	15.0	24	21	10	1100.20.98	50
M25x1.5	12.5	20.5	30	25	11	1100.25.98	25
M32x1.5	17.0	25.5	36	28	13	1100.32.98	25
M40x1.5	24.0	33.0	46	31	13	1100.40.98	10
M50x1.5	33.0	42.0	55	34	14	1100.50.98	10
M63x1.5	40.0	52.0	70	37	14	1100.63.98	5

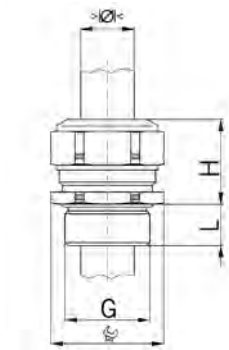


CABLE GLANDS STAINLESS & ACID-RESISTANT STEEL A4

FOR HIGH TEMPERATURE APPLICATIONS

LONG ENTRY THREAD PG

MATERIAL:	STAINLESS AND ACID RESISTANT STEEL A4 CRNIMO (DIN EN 1.4435 / AISI 316L)
IDENTIFICATION:	2 GROOVES
SEAL:	FPM
O-RING:	FPM
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K



PROGRESS S4 HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	17	17	10	1100.07.98.050	50
Pg 7	5.0	6.5	17	17	10	1100.07.98.065	50
Pg 7	6.5	8.0	17	17	10	1100.07.98.080	50
Pg 9	8.0	10.5	19	20	10	1100.09.98.105	50
Pg 11	8.5	12.0	22	21	10	1100.11.98.120	50
Pg 13	11.0	15.0	24	21	10	1100.13.98.150	50
Pg 16	11.0	15.0	24	21	10	1100.16.98.150	50
Pg 21	16.0	20.5	30	25	12	1100.21.98.205	25
Pg 29	23.0	27.5	41	28	12	1100.29.98.275	25
Pg 36	30.5	35.0	50	32	15	1100.36.98.350	10
Pg 42	37.0	42.0	55	34	15	1100.42.98.420	10
Pg 48	43.0	49.0	65	37	15	1100.48.98.490	10



PROGRESS S4 HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	19	20	10	1100.09.98	50
Pg 11	5.5	12.0	22	21	10	1100.11.98	50
Pg 13	8.0	15.0	24	21	10	1100.13.98	50
Pg 16	8.0	15.0	24	21	10	1100.16.98	50
Pg 21	12.5	20.5	30	25	12	1100.21.98	25
Pg 29	19.0	27.5	41	28	12	1100.29.98	25
Pg 36	26.0	35.0	50	32	15	1100.36.98	10
Pg 42	33.0	42.0	55	34	15	1100.42.98	10
Pg 48	37.0	49.0	65	37	15	1100.48.98	10

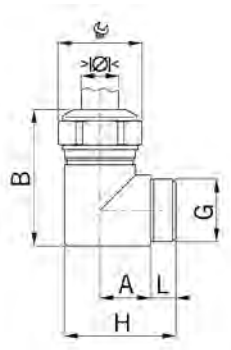




CABLE GLANDS NICKEL-PLATED BRASS

ELBOW 90°

SHORT ENTRY THREAD METRIC

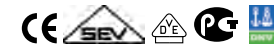


MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68
 ENTRY THREAD: IP 68, IF THE ENTRY THREAD IS SEALED

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
M12x1.5	5.0	6.5	15	27	8	11	32



PART. NO.



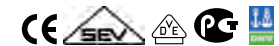
5200.12 50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
M16x1.5	6.0	10.5	18	30	8	13	36
M20x1.5	8.0	15.0	24	35	8	16	44
M25x1.5	12.5	20.5	30	44	10	20	52
M32x1.5	17.0	25.5	36	50	10	23	60
M40x1.5	24.0	33.0	46	60	10	28	72



PART. NO.



5200.17 50

5200.20 50

5200.25 25

5200.32 25

5200.40 10

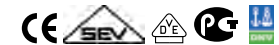


LONG ENTRY THREAD METRIC

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
M12x1.5	5.0	6.5	15	30	12	11	32



PART. NO.



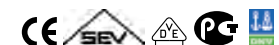
5210.12 50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
M16x1.5	6.0	10.5	18	34	12	13	36
M20x1.5	8.0	15.0	24	39	12	16	44
M25x1.5	12.5	20.5	30	48	14	20	52
M32x1.5	17.0	25.5	36	56	16	23	60
M40x1.5	24.0	33.0	46	66	16	28	72



PART. NO.



5210.17 50

5210.20 50

5210.25 25

5210.32 25

5210.40 10

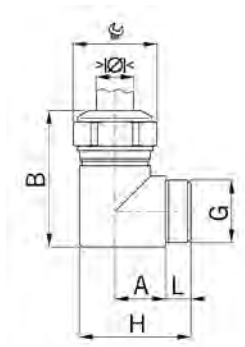


CABLE GLANDS NICKEL-PLATED BRASS

ELBOW 90°

SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68
 ENTRY THREAD: IP 68, IF THE ENTRY THREAD IS SEALED



PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	A mm	B mm	PART. NO.	
Pg 7	5.0	6.5	15	27	8	11	32	5200.07	50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	A mm	B mm	PART. NO.	
Pg 9	6.0	10.5	18	30	8	13	36	5200.09	50
Pg 11	5.5	12.0	21	35	8	14	40	5200.11	50
Pg 13	8.0	15.0	24	41	10	16	44	5200.13	50
Pg 16	8.0	15.0	24	41	10	16	44	5200.16	50
Pg 21	12.5	20.5	30	44	10	20	52	5200.21	25
Pg 29	19.0	27.5	38	56	10	24	65	5200.29	10



LONG ENTRY THREAD PG

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	A mm	B mm	PART. NO.	
Pg 7	5.0	6.5	15	30	11	11	32	5210.07	50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	A mm	B mm	PART. NO.	
Pg 9	6.0	10.5	18	34	11	13	36	5210.09	50
Pg 11	5.5	12.0	21	38	11	14	40	5210.11	50
Pg 13	8.0	15.0	24	44	13	16	44	5210.13	50
Pg 16	8.0	15.0	24	44	13	16	44	5210.16	50
Pg 21	12.5	20.5	30	48	14	20	52	5210.21	25
Pg 29	19.0	27.5	38	60	14	24	65	5210.29	10

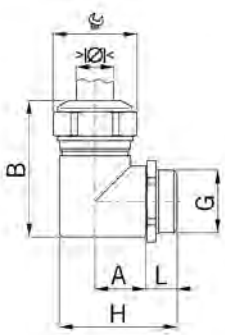




CABLE GLANDS NICKEL-PLATED BRASS

ELBOW 90°

LONG ENTRY THREAD METRIC WITH LOCK NUT



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
M12x1.5	5.0	6.5	15	30	12	11	32



PART. NO.



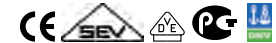
5215.12 50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
M16x1.5	6.0	10.5	18	34	12	13	36
M20x1.5	8.0	15.0	24	39	12	16	44
M25x1.5	12.5	20.5	30	48	14	20	52
M32x1.5	17.0	25.5	36	56	16	23	60
M40x1.5	24.0	33.0	46	66	16	28	72



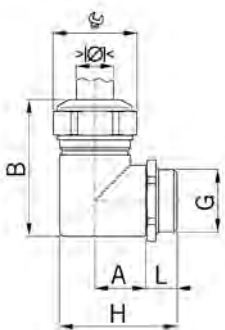
PART. NO.



5215.17 50
 5215.20 50
 5215.25 25
 5215.32 25
 5215.40 10



LONG ENTRY THREAD PG WITH LOCK NUT



MATERIAL: NICKEL-PLATED BRASS
 SEAL: TPE
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
Pg 7	5.0	6.5	15	30	11	11	32



PART. NO.



5215.07 50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	 mm	H mm	L mm	A mm	B mm
Pg 9	6.0	10.5	18	34	11	13	36
Pg 11	5.5	12.0	21	38	11	14	40
Pg 13	8.0	15.0	24	44	13	16	44
Pg 16	8.0	15.0	24	44	13	16	44
Pg 21	12.5	20.5	30	48	14	20	52
Pg 29	19.0	27.5	38	60	14	24	65



PART. NO.



5215.09 50
 5215.11 50
 5215.13 50
 5215.16 50
 5215.21 25
 5215.29 10

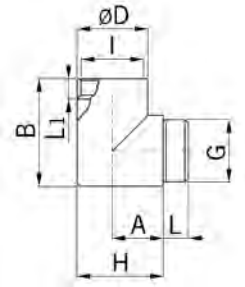


ELBOW 90° NICKEL-PLATED BRASS

WITH INTERNAL & EXTERNAL THREAD

ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 54
PROTECTION TYPE ADDITION:	IP 68, IF THE ENTRY THREAD IS SEALED



WITH O-RING

G	I	D mm	L mm	L1 mm	A mm	B mm	H mm	PART. NO.	
M12x1.5	M12x1.5	15	5.0	7	13	25	20	5612	50
M16x1.5	M16x1.5	19	6.5	7	16	29	26	5617	50
M20x1.5	M20x1.5	24	6.0	10	19	37	31	5620	50
M25x1.5	M25x1.5	29	7.5	10	23	42	37	5625	25
M32x1.5	M32x1.5	36	8.5	11	26	50	44	5632	25
M40x1.5	M40x1.5	46	9.5	17	34	67	57	5640	10
M50x1.5	M50x1.5	56	9.0	17	41	77	69	5650	10



ENTRY THREAD PG

WITH O-RING

G	I	D mm	L mm	L1 mm	A mm	B mm	H mm	PART. NO.	
Pg 7	Pg 7	16	7	7	13	23	21	5607	50
Pg 9	Pg 9	18	7	7	15	26	24	5609	50
Pg 11	Pg 11	22	8	8	18	31	29	5611	50
Pg 13	Pg 13	24	10	10	19	34	31	5613	50
Pg 16	Pg 16	26	10	10	20	36	33	5616	50
Pg 21	Pg 21	34	11	11	24	46	41	5621	25
Pg 29	Pg 29	41	11	11	28	52	49	5629	20
Pg 36	Pg 36	52	12	17	38	82	64	5636	10

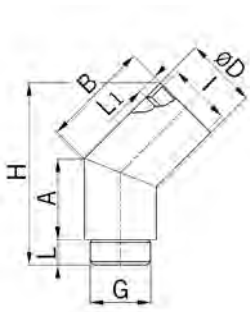




ELBOWS 45° NICKEL-PLATED BRASS

WITH INTERNAL & EXTERNAL THREAD

ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



WITH O-RING

G	I	D mm	L mm	L1 mm	A mm	B mm	H mm	PART. NO.	
M16x1.5	M16x1.5	19	6.5	7	13	18	26	5717	50
M20x1.5	M20x1.5	24	7.5	10	17	23	33	5720	50
M25x1.5	M25x1.5	29	7.0	10	18	25	36	5725	25
M32x1.5	M32x1.5	36	8.5	11	21	28	41	5732	25

ENTRY THREAD PG



WITH O-RING

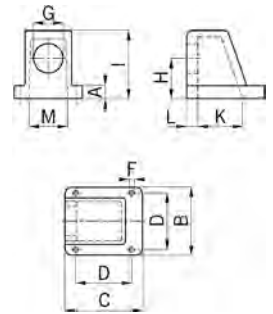
G	I	D mm	L mm	L1 mm	A mm	B mm	H mm	PART. NO.	
Pg 11	Pg 11	22	8	11	16	20	30	5711	50
Pg 16	Pg 16	26	10	12	18	23	34	5716	50
Pg 21	Pg 21	34	11	12	21	26	39	5721	25
Pg 29	Pg 29	41	8	16	27	32	-	5729	25

FLANGES & ELBOWS

ENTRY THREAD METRIC

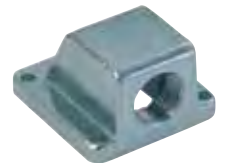
FLANGED ELBOW 90° ALUMINUM

MATERIAL:	ALUMINIUM
SEAL:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 65
PROPERTIES:	FOR SPLASH WATER-PROOF MOUNTING ON CASING WALLS WITH ENTRY THREAD FOR CABLE GLANDS OR CONDUIT GLANDS



WITH 1 ENTRY THREAD

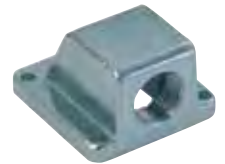
G	B/C mm	D mm	F mm	A mm	H mm	I mm	K mm	L mm	M mm	PART. NO.	
M16x1.5	45 x 48	37	4.3	8	15.5	30	28	10.5	24	5517	10
M20x1.5	53 x 56	44	5.5	8	18.0	35	34	10.5	24	5520	10
M25x1.5	63 x 65	54	5.5	8	22.5	42	43	11.0	35	5525	5
M32x1.5	71 x 75	60	5.5	10	27.0	52	53	11.0	38	5532	5
M40x1.5	71 x 75	60	5.5	10	27.0	52	53	11.0	38	5540	5
M50x1.5	89 x 93	72	6.5	11	33.5	69	65	18.0	50	5550	2
M63x1.5	96 x 114	84	4.3	10	37.0	74	86	14.0	67	5563	2



ENTRY THREAD PG

WITH 1 ENTRY THREAD

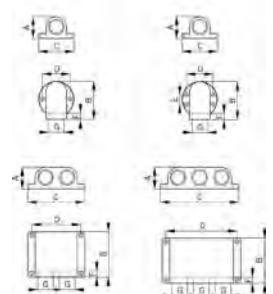
G	B/C mm	D mm	F mm	A mm	H mm	I mm	K mm	L mm	M mm	PART. NO.	
Pg 9	45 x 48	37	4.3	8	15.5	30	28	10.5	24	5509	10
Pg 13	53 x 56	44	5.5	8	19.0	35	34	10.5	24	5513	10
Pg 16	53 x 56	44	5.5	8	19.0	35	34	10.5	24	5516	10
Pg 21	63 x 65	54	5.5	8	23.0	42	43	11.0	35	5521	10
Pg 29	71 x 75	60	5.5	10	27.0	52	53	11.0	38	5529	10
Pg 36	89 x 94	72	6.5	11	34.0	69	65	18.0	50	5536	10



ENTRY THREAD PG

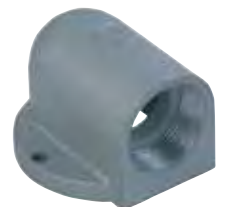
FLANGED ELBOW 90° ZINC DIECASTING

MATERIAL:	ZINC DIECASTING
COLOR:	HAMMERGREY ENAMEL
SEAL:	NBR
TEMPERATURE RANGE:	-20°C / +100°C
PROTECTION CLASS:	IP 65
PROPERTIES:	FOR SPLASH WATER-PROOF MOUNTING ON CASING WALLS WITH ENTRY THREAD FOR CABLE GLANDS OR CONDUIT GLANDS



WITH 1-3 ENTRY THREADS

G		A mm	B mm	C mm	D mm	E mm	F mm		PART. NO.	
Pg 16	1 x	31	42	42	36.0	-	11	2x4.5	5516.10	10
Pg 21	1 x	40	60	60	52.5	-	12	2x5.2	5521.10	10
Pg 29	1 x	51.5	76	66	54.0	36	12	4x5.5	5529.10	10
Pg 36	1 x	62	90	85	73.0	30	12	4x5.5	5536.10	10
Pg 16	2 x	34	70	91	79.0	58	10	4x5.5	5516.12	10
Pg 16	3 x	34	70	124	111.0	56	10	4x5.5	5516.13	10

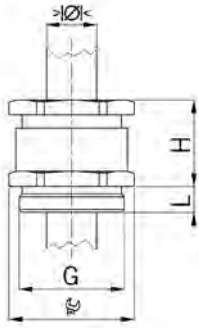




CABLE GLANDS NICKEL-PLATED BRASS

ACCORDING TO DIN 46320-C4-MS

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
SEAL: NBR
TEMPERATURE RANGE: -20°C / +80°C
PROTECTION CLASS: IP 54



ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M12x1.5	5.0	7.0	14/13	15	5	B 112	100
M16x1.5	6.0	8.0	18/15	15	5	B 117	100
M20x1.5	8.0	10.0	22/18	19	6	B 120.10	50
M20x1.5	10.0	12.0	22/20	19	6	B 120.12	50
M20x1.5	12.0	14.0	22/20	19	6	B 120.14	50
M25x1.5	15.0	17.0	30/28	23	7	B 125	50
M32x1.5	24.0	26.0	40/37	26	8	B 132	25
M40x1.5	33.0	35.0	50/47	30	8	B 140	20
M50x1.5	41.0	43.0	57/54	34	9	B 150	10
M63x1.5	45.0	47.0	66/60	35	10	B 163	10

LONG ENTRY THREAD METRIC



ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M12x1.5	5.0	7.0	14/13	15	10	B 212	100
M16x1.5	6.0	8.0	18/15	15	10	B 217	100
M20x1.5	8.0	10.0	22/18	19	10	B 220.10	50
M20x1.5	10.0	12.0	22/20	19	10	B 220.12	50
M20x1.5	12.0	14.0	22/20	19	10	B 220.14	50
M25x1.5	15.0	17.0	30/28	23	12	B 225	50
M32x1.5	24.0	26.0	40/37	26	12	B 232	25
M40x1.5	33.0	35.0	50/47	30	14	B 240	20
M50x1.5	41.0	43.0	57/54	34	14	B 250	10
M63x1.5	45.0	47.0	66/60	35	14	B 263	10

CABLE GLANDS NICKEL-PLATED BRASS

WITH ANTIKINK NOZZLE & CLAMPS

SHORT ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS
 SEAL: NBR
 ANTIKINK NOZZLE: NBR
 TEMPERATURE RANGE: -20°C / +80°C
 PROTECTION CLASS: IP 65 IF THE ENTRY THREAD IS SEALED

ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

G	$\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{min mm} \end{array}$	$\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{max mm} \end{array}$	$\begin{array}{c} \text{mm} \\ \text{mm} \end{array}$	H mm	L mm	PART. NO.	
M12x1.5	3.5	5.0	14/15	28	5	1852.12.05	25
M16x1.5	5.5	7.0	17/18	28	6	1852.16.07	25
M20x1.5	5.5	7.0	20/22	32	6	1852.20.07	25
M20x1.5	7.5	9.0	20/22	32	6	1852.20.09	25
M20x1.5	9.0	11.0	22/22	33	6	1852.20.11	25
M20x1.5	11.0	13.0	22/22	33	6	1852.20.13	25
M20x1.5	13.0	15.0	24/24	35	6	1852.20.15	25
M25x1.5	13.5	15.0	30/30	42	7	1852.25.15	25
M25x1.5	15.0	17.0	30/30	42	7	1852.25.17	25
M25x1.5	17.0	19.0	30/30	42	7	1852.25.19	25
M25x1.5	18.0	20.0	30/30	42	7	1852.25.20	25
M32x1.5	21.0	23.0	40/40	42	8	1852.32.23	1
M32x1.5	23.0	25.0	40/40	42	8	1852.32.25	1
M40x1.5	23.0	26.0	50/50	51	9	1852.40.26	1
M40x1.5	27.0	30.0	50/50	51	9	1852.40.30	1
M40x1.5	30.0	33.0	50/50	51	9	1852.40.33	1
M40x1.5	32.0	35.0	50/50	51	9	1852.40.35	1



SHORT ENTRY THREAD PG

ONE-PIECE SEALING RING / NOT OVERALL LENGTH INSULATED

G	$\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{min mm} \end{array}$	$\begin{array}{c} \text{>}\varnothing\text{<} \\ \text{max mm} \end{array}$	$\begin{array}{c} \text{mm} \\ \text{mm} \end{array}$	H mm	L mm	PART. NO.	
Pg 7	3.5	5.0	14/16	28	5	1852.07.05	50
Pg 9	5.5	7.0	17/19	28	6	1852.09.07	50
Pg 11	5.5	7.0	20/22	32	6	1852.11.07	50
Pg 11	7.5	9.0	20/22	32	6	1852.11.09	50
Pg 13	7.5	9.0	22/24	32	6	1852.13.09	25
Pg 13	9.0	11.0	22/24	33	6	1852.13.11	25
Pg 13	11.0	13.0	22/24	33	6	1852.13.13	25
Pg 16	11.5	13.0	24/27	35	6	1852.16.13	25
Pg 16	13.0	15.0	24/27	35	6	1852.16.15	25
Pg 21	13.5	15.0	30/34	42	7	1852.21.15	25
Pg 21	15.0	17.0	30/34	42	7	1852.21.17	25
Pg 21	17.0	19.0	30/34	42	7	1852.21.19	25
Pg 21	18.0	20.0	30/34	42	7	1852.21.20	25
Pg 29	18.0	20.0	40/42	42	8	1852.29.20	1
Pg 29	21.0	23.0	40/42	42	8	1852.29.23	1
Pg 29	23.0	25.0	40/42	42	8	1852.29.25	1
Pg 36	23.0	26.0	50/52	51	9	1852.36.26	1
Pg 36	27.0	30.0	50/52	51	9	1852.36.30	1
Pg 36	30.0	33.0	50/52	51	9	1852.36.33	1
Pg 36	32.0	35.0	50/52	51	9	1852.36.35	1
Pg 42	32.0	35.0	57/62	59	10	1852.42.35	1
Pg 42	35.0	38.0	57/62	59	10	1852.42.38	1
Pg 42	36.0	40.0	57/62	59	10	1852.42.40	1
Pg 48	36.0	40.0	64/68	62	10	1852.48.48.40	1
Pg 48	40.0	44.0	64/68	62	10	1852.48.48.44	1





CABLE GLANDS EMC EASYCONNECT NICKEL-PLATED BRASS

WITH CONTACT SPRING

SHORT ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
CONTACT SPRING:	SPRING STEEL 1.4310
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO IEC 62444 VERSION A
TEMPERATURE RANGE:	-60°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	FULL CONTROL OF THE INSTALLATION PROCESS THANKS TO FAST AND SAFE ASSEMBLY FOR PARTIALLY STRIPPED SHIELDING CABLES EQUALLY AS WELL AS THE CONTACT OF COMPLETELY CABLE SHIELDS

PROGRESS MS EMC EASYCONNECT



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	i info	PART. NO.	
M12x1.5	3.5	5.0	15	22	5	1	1083.12.050	50
M12x1.5	5.0	6.5	15	22	5	1	1083.12.065	50
M16x1.5	6.0	10.5	18	25	5	-	1083.17	50
M20x1.5	8.0	15.0	24	27	6	-	1083.20	50
M25x1.5	12.5	20.5	30	33	7	-	1083.25	25
M32x1.5	17.0	25.5	36	33	8	-	1083.32	25

1 = ONE-PIECE SEALING INSERT

APPROVALS IN PREPERATION

LONG ENTRY THREAD METRIC



PROGRESS MS EMC EASYCONNECT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	i info	PART. NO.	
M12x1.5	3.5	5.0	15	22	10	1	1183.12.050	50
M12x1.5	5.0	6.5	15	22	10	1	1183.12.065	50
M16x1.5	6.0	10.5	18	25	10	-	1183.17	50
M20x1.5	8.0	15.0	24	27	10	-	1183.20	50
M25x1.5	12.5	20.5	30	33	11	-	1183.25	25
M32x1.5	17.0	25.5	36	33	13	-	1183.32	25

1 = ONE-PIECE SEALING INSERT

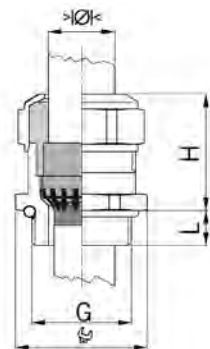
APPROVALS IN PREPERATION

CABLE GLANDS EMC RAPID NICKEL-PLATED BRASS

WITH CONTACT DISC

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
CONTACT DISC:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	FOR A QUICK INSTALLATION OF PARTIALLY DISMANTLED CABLES AS WELL AS THOROUGHLY SHIELDED CABLES

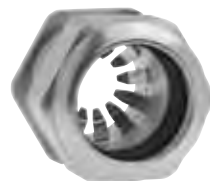


PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
M12x1.5	4.5	6.0	15	20	5	1081.12.060	50
M12x1.5	6.0	7.5	15	20	5	1081.12.075	50
M16x1.5	6.0	8.0	18	23	5	1081.17.080	50
M16x1.5	8.0	10.0	18	25	5	1081.17.100	50
M20x1.5	8.0	11.0	24	25	6	1081.20.110	50
M20x1.5	11.0	14.0	24	27	6	1081.20.140	50
M25x1.5	13.0	16.0	30	30	7	1081.25.160	25
M25x1.5	16.0	19.0	30	33	7	1081.25.190	25
M32x1.5	18.0	21.0	36	32	8	1081.32.210	25
M32x1.5	21.0	25.0	36	32	8	1081.32.250	25



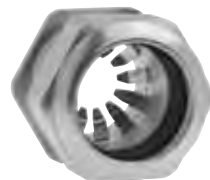
LONG ENTRY THREAD METRIC

PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
M12x1.5	4.5	6.0	15	20	10	1181.12.060	50
M12x1.5	6.0	7.5	15	20	10	1181.12.075	50
M16x1.5	6.0	8.0	18	23	10	1181.17.080	50
M16x1.5	8.0	10.0	18	25	10	1181.17.100	50
M20x1.5	8.0	11.0	24	25	10	1181.20.110	50
M20x1.5	11.0	14.0	24	27	10	1181.20.140	50
M25x1.5	13.0	16.0	30	30	11	1181.25.160	25
M25x1.5	16.0	19.0	30	33	11	1181.25.190	25
M32x1.5	18.0	21.0	36	32	13	1181.32.210	25
M32x1.5	21.0	25.0	36	32	13	1181.32.250	25

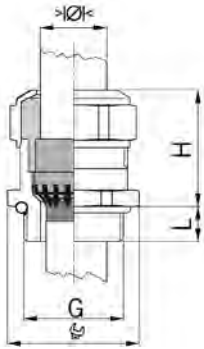




CABLE GLANDS EMC RAPID NICKEL-PLATED BRASS

WITH CONTACT DISC

SHORT ENTRY THREAD PG

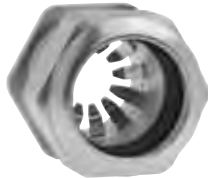


MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
CONTACT DISC:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	FOR A QUICK INSTALLATION OF PARTIALLY DISMANTLED CABLES AS WELL AS THOROUGHLY SHIELDED CABLES

PROGRESS MS EMC RAPID

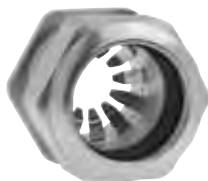


ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
PG 7	4.5	6.0	15	20	6	1081.07.060	50
PG 7	6.0	7.5	15	20	6	1081.07.075	50
PG 9	6.0	8.0	18	23	6	1081.09.080	50
PG 9	8.0	10.0	18	25	6	1081.09.100	50
PG 11	5.5	8.5	21	25	6	1081.11.085	50
PG 11	8.5	12.0	21	25	6	1081.11.120	50
PG 13	8.0	11.0	24	25	6	1081.13.110	50
PG 13	11.0	14.0	24	27	6	1081.13.140	50
PG 16	8.0	11.0	24	24	6	1081.16.110	50
PG 16	11.0	14.0	24	27	6	1081.16.140	50
PG 21	13.0	16.0	30	30	7	1081.21.160	25
PG 21	16.0	19.0	30	33	7	1081.21.190	25
PG 29	19.0	23.0	38	33	8	1081.29.230	25
PG 29	23.0	25.5	38	32	8	1081.29.255	25

LONG ENTRY THREAD PG



PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

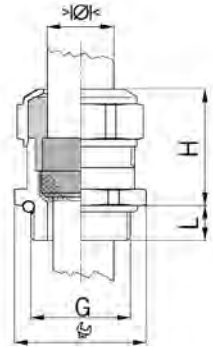
G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
PG 7	4.5	6.0	15	20	10	1181.07.060	50
PG 7	6.0	7.5	15	20	10	1181.07.075	50
PG 9	6.0	8.0	18	23	10	1181.09.080	50
PG 9	8.0	10.0	18	25	10	1181.09.100	50
PG 11	5.5	8.5	21	25	10	1181.11.085	50
PG 11	8.5	12.0	21	25	10	1181.11.120	50
PG 13	8.0	11.0	24	25	10	1181.13.110	50
PG 13	11.0	14.0	24	27	10	1181.13.140	50
PG 16	8.0	11.0	24	24	10	1181.16.110	50
PG 16	11.0	14.0	24	27	10	1181.16.140	50
PG 21	13.0	16.0	30	30	12	1181.21.160	25
PG 21	16.0	19.0	30	33	12	1181.21.190	25
PG 29	19.0	23.0	38	33	12	1181.29.230	25
PG 29	23.0	25.5	38	32	12	1181.29.255	25

CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH CONTACT SLEEVE

SHORT ENTRY THREAD METRIC

MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND



PROGRESS MS EMC



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.5	11	15	5	1	1080.08.035	50
M8x1.25	3.0	4.0	11	15	5	1	1080.08.040	50
M10x1.5	3.0	4.0	13	16	5	1	1080.10.040	50
M10x1.5	4.0	6.0	13	16	5	1	1080.10.060	50
M12x1.5	4.5	6.0	15	20	5	-	1080.12.060	50
M12x1.5	6.0	7.5	15	20	5	-	1080.12.075	50
M16x1.5	6.0	8.0	18	23	5	-	1080.17.080	50
M16x1.5	8.0	10.0	18	25	5	-	1080.17.100	50
M20x1.5	8.0	11.0	24	25	6	-	1080.20.110	50
M20x1.5	11.0	14.0	24	27	6	-	1080.20.140	50
M25x1.5	13.0	16.0	30	30	7	-	1080.25.160	25
M25x1.5	16.0	19.0	30	33	7	-	1080.25.190	25
M32x1.5	18.0	21.0	36	32	8	-	1080.32.210	25
M32x1.5	21.0	25.0	36	32	8	-	1080.32.250	25
M40x1.5	24.0	28.5	46	34	8	-	1080.40.285	10
M40x1.5	28.5	32.0	46	34	8	-	1080.40.320	10
M50x1.5	33.0	37.0	55	36	9	-	1080.50.370	10
M50x1.5	37.0	41.0	55	36	9	-	1080.50.410	10
M63x1.5	40.0	46.0	70	39	10	-	1080.63.460	5
M63x1.5	46.0	50.0	70	39	10	-	1080.63.500	5
M75x1.5	50.0	56.0	80	40	11	-	1080.75.560	1
M80x2.0	56.0	65.0	95	45	18	-	1080.80.650	1
M85x2.0	63.0	70.0	95	45	18	-	1080.85.700	1
M95x2.0	68.0	75.0	110	52	20	-	1080.95.750	1



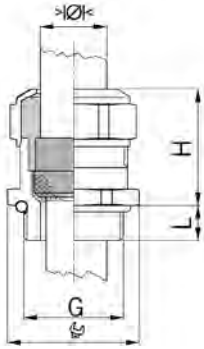
1 = METRIC COARSE-PITCH THREAD



CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH CONTACT SLEEVE

LONG ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING :	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND

PROGRESS MS EMC



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.5	11	15	10 1	1180.08.035	50
M8x1.25	3.0	4.0	11	15	10 1	1180.08.040	50
M10x1.5	3.0	4.0	13	16	10 1	1180.10.040	50
M10x1.5	4.0	6.0	13	16	10 1	1180.10.060	50
M12x1.5	4.5	6.0	15	20	10 -	1180.12.060	50
M12x1.5	6.0	7.5	15	20	10 -	1180.12.075	50
M16x1.5	6.0	8.0	18	23	10 -	1180.17.080	50
M16x1.5	8.0	10.0	18	25	10 -	1180.17.100	50
M20x1.5	8.0	11.0	24	25	10 -	1180.20.110	50
M20x1.5	11.0	14.0	24	27	10 -	1180.20.140	50
M25x1.5	13.0	16.0	30	30	11 -	1180.25.160	25
M25x1.5	16.0	19.0	30	33	11 -	1180.25.190	25
M32x1.5	18.0	21.0	36	32	13 -	1180.32.210	25
M32x1.5	21.0	25.0	36	32	13 -	1180.32.250	25
M40x1.5	24.0	28.5	46	34	13 -	1180.40.285	10
M40x1.5	28.5	32.0	46	34	13 -	1180.40.320	10
M50x1.5	33.0	37.0	55	36	14 -	1180.50.370	10
M50x1.5	37.0	41.0	55	36	14 -	1180.50.410	10
M63x1.5	40.0	46.0	70	39	14 -	1180.63.460	5
M63x1.5	46.0	50.0	70	39	14 -	1180.63.500	5

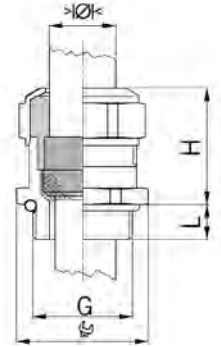
1 = METRIC COARSE-PITCH THREAD

CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH CONTACT SLEEVE

SHORT ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND



PROGRESS MS EMC

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
Pg 7	4.5	6.0	15	20	6	1080.07.060 50
Pg 7	6.0	7.5	15	20	6	1080.07.075 50
Pg 9	6.0	8.0	18	23	6	1080.09.080 50
Pg 9	8.0	10.0	18	25	6	1080.09.100 50
Pg 11	5.5	8.5	21	23	6	1080.11.085 50
Pg 11	8.5	12.0	21	23	6	1080.11.120 50
Pg 13	8.0	11.0	24	25	6	1080.13.110 50
Pg 13	11.0	14.0	24	27	6	1080.13.140 50
Pg 16	8.0	11.0	24	24	6	1080.16.110 50
Pg 16	11.0	14.0	24	27	6	1080.16.140 50
Pg 21	13.0	16.0	30	30	7.5	1080.21.160 25
Pg 21	16.0	19.0	30	33	7.5	1080.21.190 25
Pg 29	19.0	23.0	38	33	8	1080.29.230 25
Pg 29	23.0	25.5	38	32	8	1080.29.255 25
Pg 36	25.0	30.5	50	36	8	1080.36.305 10
Pg 36	30.5	35.0	50	34	8	1080.36.350 10
Pg 42	33.0	37.0	55	37	10	1080.42.370 10
Pg 42	37.0	41.0	55	36	10	1080.42.410 10
Pg 48	39.0	43.0	65	42	11	1080.48.430 10
Pg 48	43.0	46.5	65	40	11	1080.48.465 10



LONG ENTRY THREAD PG

PROGRESS MS EMC

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
Pg 7	4.5	6.0	15	20	10	1180.07.060 50
Pg 7	6.0	7.5	15	20	10	1180.07.075 50
Pg 9	6.0	8.0	18	23	10	1180.09.080 50
Pg 9	8.0	10.0	18	25	10	1180.09.100 50
Pg 11	5.5	8.5	21	23	10	1180.11.085 50
Pg 11	8.5	12.0	21	23	10	1180.11.120 50
Pg 13	8.0	11.0	24	25	10	1180.13.110 50
Pg 13	11.0	14.0	24	27	10	1180.13.140 50
Pg 16	8.0	11.0	24	24	10	1180.16.110 50
Pg 16	11.0	14.0	24	27	10	1180.16.140 50
Pg 21	13.0	16.0	30	30	12	1180.21.160 25
Pg 21	16.0	19.0	30	33	12	1180.21.190 25
Pg 29	19.0	23.0	38	33	12	1180.29.230 25
Pg 29	23.0	25.5	38	32	12	1180.29.255 25
Pg 36	25.0	30.5	50	36	15	1180.36.305 10
Pg 36	30.5	35.0	50	34	15	1180.36.350 10
Pg 42	33.0	37.0	55	37	15	1180.42.370 10
Pg 42	37.0	41.0	55	36	15	1180.42.410 10
Pg 48	39.0	43.0	65	42	15	1180.48.430 10
Pg 48	43.0	46.5	65	40	15	1180.48.465 10

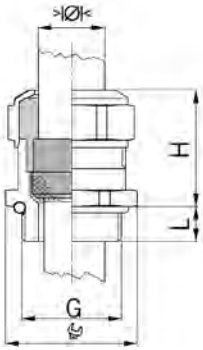




CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH CONTACT SLEEVE FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
SEAL:	FPM
O-RING:	FPM
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	i info	PART. NO.	
M10x1.5	3.0	4.0	13	16	5	1	1080.10.91.040	50
M10x1.5	4.0	6.0	13	16	5	1	1080.10.91.060	50
M12x1.5	4.5	6.0	15	20	5	-	1080.12.91.060	50
M12x1.5	6.0	7.5	15	20	5	-	1080.12.91.075	50
M16x1.5	6.0	8.0	18	23	5	-	1080.17.91.080	50
M16x1.5	8.0	10.0	18	25	5	-	1080.17.91.100	50
M20x1.5	8.0	11.0	24	25	6	-	1080.20.91.110	50
M20x1.5	11.0	14.0	24	27	6	-	1080.20.91.140	50
M25x1.5	13.0	16.0	30	30	7	-	1080.25.91.160	25
M25x1.5	16.0	19.0	30	33	7	-	1080.25.91.190	25
M32x1.5	18.0	21.0	36	32	8	-	1080.32.91.210	25
M32x1.5	21.0	25.0	36	32	8	-	1080.32.91.250	25

1 = METRIC COARSE-PITCH THREAD

LONG ENTRY THREAD METRIC



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	i info	PART. NO.	
M10x1.5	3.0	4.0	13	16	10	1	1180.10.91.040	50
M10x1.5	4.0	6.0	13	16	10	1	1180.10.91.060	50
M12x1.5	4.5	6.0	15	20	10	-	1180.12.91.060	50
M12x1.5	6.0	7.5	15	20	10	-	1180.12.91.075	50
M16x1.5	6.0	8.0	18	23	10	-	1180.17.91.080	50
M16x1.5	8.0	10.0	18	25	10	-	1180.17.91.100	50
M20x1.5	8.0	11.0	24	25	10	-	1180.20.91.110	50
M20x1.5	11.0	14.0	24	27	10	-	1180.20.91.140	50
M25x1.5	13.0	16.0	30	30	11	-	1180.25.91.160	25
M25x1.5	16.0	19.0	30	33	11	-	1180.25.91.190	25
M32x1.5	18.0	21.0	36	32	13	-	1180.32.91.210	25
M32x1.5	21.0	25.0	36	32	13	-	1180.32.91.250	25

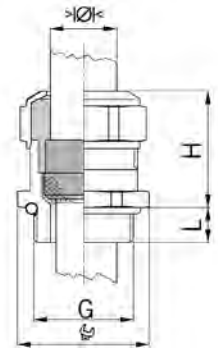
1 = METRIC COARSE-PITCH THREAD

CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH CONTACT SLEEVE FOR HIGH TEMPERATURE APPLICATIONS

SHORT ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
SEAL:	FPM
O-RING:	FPM
TEMPERATURE RANGE:	-40°C / +200°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
PG 9	6.0	8.0	18	23	6	1080.09.91.080	50
PG 9	8.0	10.0	18	25	6	1080.09.91.100	50
PG 11	5.5	8.5	21	23	6	1080.11.91.085	50
PG 11	8.5	12.0	21	23	6	1080.11.91.120	50
PG 13	8.0	11.0	24	25	6	1080.13.91.110	50
PG 13	11.0	14.0	24	27	6	1080.13.91.140	50
PG 16	8.0	11.0	24	24	6	1080.16.91.110	50
PG 16	11.0	14.0	24	27	6	1080.16.91.140	50
PG 21	13.0	16.0	30	30	7.5	1080.21.91.160	25
PG 21	16.0	19.0	30	33	7.5	1080.21.91.190	25
PG 29	19.0	23.0	38	33	8	1080.29.91.230	25
PG 29	23.0	25.5	38	32	8	1080.29.91.255	25



LONG ENTRY THREAD PG

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
PG 9	6.0	8.0	18	23	10	1180.09.91.080	50
PG 9	8.0	10.0	18	25	10	1180.09.91.100	50
PG 11	5.5	8.5	21	23	10	1180.11.91.085	50
PG 11	8.5	12.0	21	23	10	1180.11.91.120	50
PG 13	8.0	11.0	24	25	10	1180.13.91.110	50
PG 13	8.5	12.0	24	27	10	1180.13.91.140	50
PG 16	8.0	11.0	24	24	10	1180.16.91.110	50
PG 16	11.0	14.0	24	27	10	1180.16.91.140	50
PG 21	13.0	16.0	30	30	12	1180.21.91.160	25
PG 21	16.0	19.0	30	33	12	1180.21.91.190	25
PG 29	19.0	23.0	38	33	12	1180.29.91.230	25
PG 29	23.0	25.5	38	32	12	1180.29.91.255	25

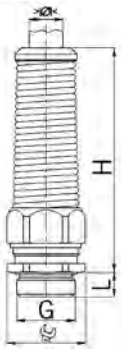




CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH ANTIKINK SPRING

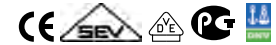
SHORT ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
ANTI-KINK SPRING:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND

PROGRESS MS EMC FKN

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	i info	PART. NO.	
M8x1.25	2.5	3.5	11	50	5	1	1080.08.52.035	10
M8x1.25	3.0	4.0	11	50	5	1	1080.08.52.040	10
M10x1.5	3.0	4.0	13	54	5	1	1080.10.52.040	10
M10x1.5	4.0	6.0	13	54	5	1	1080.10.52.060	10
M12x1.5	4.5	6.0	15	60	5	-	1080.12.52.060	10
M12x1.5	6.0	7.5	15	60	5	-	1080.12.52.075	10
M16x1.5	6.0	8.0	18	69	5	-	1080.17.52.080	10
M16x1.5	8.0	10.0	18	69	5	-	1080.17.52.100	10
M20x1.5	8.0	11.0	24	88	6	-	1080.20.52.110	10
M20x1.5	11.0	14.0	24	88	6	-	1080.20.52.140	10
M25x1.5	13.0	16.0	30	104	7	-	1080.25.52.160	10
M25x1.5	16.0	19.0	30	104	7	-	1080.25.52.190	10
M32x1.5	18.0	21.0	36	112	8	-	1080.32.52.210	5
M32x1.5	21.0	24.5	36	112	8	-	1080.32.52.245	5

1 = METRIC COARSE-PITCH THREAD

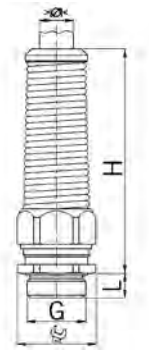
LONG ENTRY THREAD AVAILABLE ON REQUEST

CABLE GLANDS EMC NICKEL-PLATED BRASS

WITH ANTIKINK SPRING

SHORT ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
ANTI-KINK SPRING:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68
PROPERTIES:	EXCELLENT SHIELD CONTACT THROUGH THE CONTACT SLEEVE WITH THE BRAIDED SHIELD TERMINATING IN THE SCREWED CABLE GLAND



PROGRESS MS EMC FKN

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
Pg 7	4.5	6.0	15	60	6	1080.07.52.060	10
Pg 7	6.0	7.5	15	60	6	1080.07.52.075	10
Pg 9	6.0	8.0	18	69	6	1080.09.52.080	10
Pg 9	8.0	10.0	18	69	6	1080.09.52.100	10
Pg 11	6.0	8.0	18/21	69	6	1080.11.52.080	10
Pg 11	8.0	10.0	18/21	69	6	1080.11.52.100	10
Pg 13	8.0	11.0	24	88	6	1080.13.52.110	10
Pg 13	11.0	14.0	24	88	6	1080.13.52.140	10
Pg 16	8.0	11.0	24	88	6	1080.16.52.110	10
Pg 16	11.0	14.0	24	88	6	1080.16.52.140	10
Pg 21	13.0	16.0	30	104	7	1080.21.52.160	5
Pg 21	16.0	19.0	30	104	7	1080.21.52.190	5



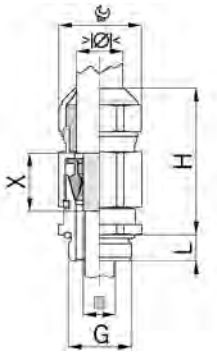
LONG ENTRY THREAD AVAILABLE ON REQUEST



CABLE GLANDS EMC SERIES 85 NICKEL-PLATED BRASS

WITH COLLET CHUCK

ENTRY THREAD METRIC



MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	FOR HIGH LEAKAGE CURRENTS, CONCENTRIC SHIELD CONTACT WITH MINIMAL TRANSFER RESISTANCES AND TRANSFER IMPEDANCES

PROGRESS MS EMC SERIES 85

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

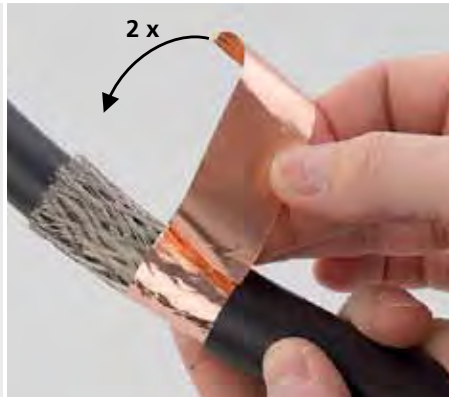


G	>Ø< min mm	>Ø< max mm	>■< mm	mm	H mm	L mm	X mm	PART. NO.	
M16x1.5	4.5	6.0	3.0-4.5	18	40	6	14	1000.17.85.045	25
M16x1.5	6.0	10.5	4.5-8.0	18	42	8	16	1000.17.85.080	25
M16x1.5	8.0	15.0	7.5-10.0	24	47	8	20	1000.17.85.100	25
M20x1.5	8.0	15.0	7.5-12.0	24	47	8	20	1000.20.85.120	25
M20x1.5	12.5	20.5	10.0-14.0	30	59	8	21	1000.20.85.140	20
M25x1.5	12.5	20.5	10.0-16.0	30	59	8	21	1000.25.85.160	20
M25x1.5	17.0	25.5	14.0-19.0	36	66	8	24	1000.25.85.190	25
M32x1.5	17.0	25.5	14.0-22.0	36	66	10	24	1000.32.85.220	25
M32x1.5	24.0	33.0	21.0-25.0	46	68	10	24	1000.32.85.250	5
M40x1.5	24.0	33.0	21.0-30.0	46	68	12	24	1000.40.85.300	5
M50x1.5	33.0	42.0	29.0-38.0	55	77	13	25	1000.50.85.380	5
M63x1.5	33.0	42.0	29.0-38.0	70/55	77	15	25	1000.63.85.380	5
M63x1.5	40.0	52.0	35.0-44.0	70	78	15	26	1000.63.85.440	1

IMPORTANT!

TO PROVIDE THE BEST POSSIBLE PROTECTION FOR THE CABLE SHIELD AND THE CABLE, IT IS NECESSARY TO INSTALL A COPPER EMC TAPE.

THE COPPER TAPE MUST BE FIXED ACCORDING TO THE ILLUSTRATION!
(EXAMPLE: TAPE SCOTCH 3M TYP 1181)

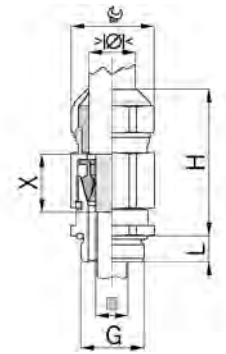


CABLE GLANDS EMC SERIES 85 NICKEL-PLATED BRASS

WITH COLLET CHUCK

ENTRY THREAD PG

MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	FOR HIGH LEAKAGE CURRENTS, CONCENTRIC SHIELD CONTACT WITH MINIMAL TRANSFER RESISTANCES AND TRANSFER IMPEDANCES



TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	>■< mm	 mm	H mm	L mm	X mm	PART. NO.	
Pg 11	6.0	10.5	4.5-8.0	21/18	42	8	16	1000.11.85.080	25
Pg 11	8.0	15.0	7.5-12.0	24	47	8	20	1000.11.85.120	25
Pg 16	8.0	15.0	7.5-12.0	24	47	8	20	1000.16.85.120	25
Pg 16	12.5	20.5	10.0-15.0	30	59	8	21	1000.16.85.150	25
Pg 21	12.5	20.5	10.0-16.0	30	59	8	21	1000.21.85.160	20
Pg 21	17.0	25.5	14.0-19.0	36	66	8	24	1000.21.85.190	25
Pg 29	17.0	25.5	14.0-22.0	38/36	66	10	24	1000.29.85.220	20
Pg 29	24.0	33.0	21.0-25.0	46	68	10	24	1000.29.85.250	5

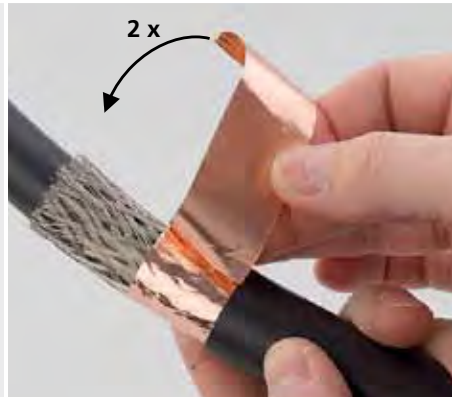


IMPORTANT!

TO PROVIDE THE BEST POSSIBLE PROTECTION FOR THE CABLE SHIELD AND THE CABLE, IT IS NECESSARY TO INSTALL A COPPER EMC TAPE.

FURTHER DIMENSIONS UPON REQUEST

THE COPPER TAPE MUST BE FIXED ACCORDING TO THE ILLUSTRATION!
(EXAMPLE: TAPE SCOTCH 3M TYP 1181)

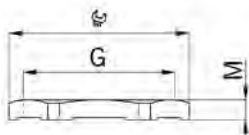




EMC CABLE GLANDS ACCESSORIES

ENTRY THREAD METRIC

EMC LOCK NUTS NICKEL-PLATED BRASS WITH CUTTER TEETH



MATERIAL: NICKEL-PLATED BRASS
 EXECUTION: EMC LOCK NUT BRASS WITH CUTTING TEETH FOR OPTIMISED SHIELD CONTACT
 TEMPERATURE RANGE: -60°C / +200°C



G	 mm	M mm	i info	PART. NO.	
M8x1.25	11	3.3	1	8008.85	25
M10x1.5	13	3.3	1	8010.85	25
M12x1.5	15	3.5	-	8012.85	25
M16x1.5	19	3.5	-	8017.85	25
M20x1.5	24	4.0	-	8020.85	25
M25x1.5	30	4.0	-	8025.85	10
M32x1.5	36	5.0	-	8032.85	10
M40x1.5	46	5.3	-	8040.85	10
M50x1.5	55	6.3	-	8050.85	10
M63x1.5	70	7.0	-	8063.85	10

1 = METRIC COARSE-PITCH THREAD

ENTRY THREAD PG



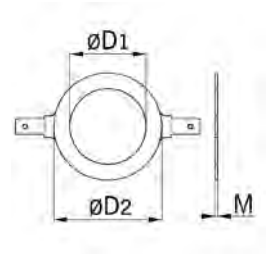
G	 mm	M mm	PART. NO.	
Pg 7	15	3.3	8007.85	25
Pg 9	18	3.3	8009.85	25
Pg 11	21	3.5	8011.85	25
Pg 13	24	3.5	8013.85	25
Pg 16	26	3.5	8016.85	25
Pg 21	32	4.0	8021.85	10
Pg 29	41	4.6	8029.85	10
Pg 36	50	5.8	8036.85	10
Pg 42	60	5.8	8042.85	10
Pg 48	64	6.5	8048.85	10

EMC CABLE GLANDS ACCESSORIES

SUITABLE FOR CABLE GLANDS PROGRESS®

GROUNDING STRAPS SUITABLE FOR CABLE GLANDS

MATERIAL: BRASS RAW
 TEMPERATURE RANGE: -60°C / +200°C
 APPLICATION: SOLDERABLE OR PLUGGABLE 6,3 X 1,0 MM



GROUNDING STRAPS SUITABLE FOR CABLE GLANDS / ENTRY THREAD METRIC

G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
M12 / Pg 7	13.0	24	1	1007.80.10	100
M16	16.5	24	1	1017.80.10	100
M20	20.5	28	1	1020.80.10	100
M25	25.5	32	1	1025.80.10	100
M32	33.0	40	1	1032.80.10	100
M40	40.5	52	1	1040.80.10	100
M50	50.5	62	1	1050.80.10	50
M63	63.5	78	1	1063.80.10	50



GROUNDING STRAPS SUITABLE FOR CABLE GLANDS / ENTRY THREAD PG

G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
M12 / Pg 7	13.0	24	1	1007.80.10	100
Pg 9	16.0	24	1	1009.80.10	100
Pg 11	19.0	28	1	1011.80.10	100
Pg 13	21.0	28	1	1013.80.10	100
Pg 16	23.0	32	1	1016.80.10	100
Pg 21	29.0	37	1	1021.80.10	100
Pg 29	38.0	52	1	1029.80.10	50
Pg 36	48.0	62	1	1036.80.10	50

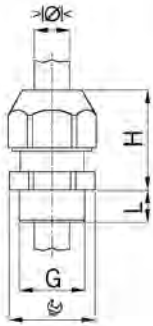




SYNTEC®

WITH LAMELLAR TECHNOLOGY

SHORT ENTRY THREAD METRIC



MATERIAL:	POLYAMIDE PA 6
PROPERTIES:	HALOGEN-FREE
SEALING RING:	TPE OR CR (NEOPRENE)
TESTED ACC. TO:	EN 50262
TEMPERATURE RANGE:	-30°C / +100°C
PROTECTION CLASS:	IP 68

SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	21	6	1555.12.06	100
M16x1.5	2.0	6.0	19	25	8	1555.17.06	50
M16x1.5	4.5	10.0	19	25	8	1555.17.10	50
M20x1.5	3.5	8.0	24	29	9	1555.20.08	50
M20x1.5	7.0	13.0	24	29	9	1555.20.13	50
M25x1.5	5.0	11.0	29	38	10	1555.25.11	25
M25x1.5	10.0	17.0	29	38	10	1555.25.17	25
M32x1.5	17.0	25.0	42	36	10	1555.32.25	20



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	21	6	1556.12.06	100
M16x1.5	2.0	6.0	19	25	8	1556.17.06	50
M16x1.5	4.5	10.0	19	25	8	1556.17.10	50
M20x1.5	3.5	8.0	24	29	9	1556.20.08	50
M20x1.5	7.0	13.0	24	29	9	1556.20.13	50
M25x1.5	5.0	11.0	29	38	10	1556.25.11	25
M25x1.5	10.0	17.0	29	38	10	1556.25.17	25
M32x1.5	17.0	25.0	42	36	10	1556.32.25	20



SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING



G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	21	6	1545.12.06	100
M16x1.5	2.0	6.0	19	25	8	1545.17.06	50
M16x1.5	4.5	10.0	19	25	8	1545.17.10	50
M20x1.5	3.5	8.0	24	29	9	1545.20.08	50
M20x1.5	7.0	13.0	24	29	9	1545.20.13	50
M25x1.5	5.0	11.0	29	38	10	1545.25.11	25
M25x1.5	10.0	17.0	29	38	10	1545.25.17	25
M32x1.5	17.0	25.0	42	36	10	1545.32.25	20

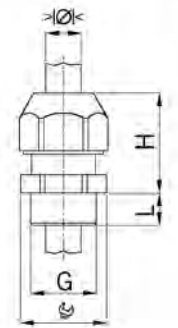


SYNTHETIC CABLE GLANDS SYNTEC®

WITH LAMELLAR TECHNOLOGY

LONG ENTRY THREAD METRIC

MATERIAL:	POLYAMIDE PA 6
PROPERTIES:	HALOGEN-FREE
SEALING RING:	TPE OR CR (NEOPRENE)
TESTED ACC. TO:	EN 50262
TEMPERATURE RANGE:	-30°C / +100°C
PROTECTION CLASS:	IP 68



SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	21	12	1555.12.1.06	100
M16x1.5	2.0	6.0	19	25	15	1555.17.1.06	50
M16x1.5	4.5	10.0	19	25	15	1555.17.1.10	50
M20x1.5	3.5	8.0	24	29	15	1555.20.1.08	50
M20x1.5	7.0	13.0	24	29	15	1555.20.1.13	50
M25x1.5	5.0	11.0	29	38	15	1555.25.1.11	25
M25x1.5	10.0	17.0	29	38	15	1555.25.1.17	25
M32x1.5	17.0	25.0	42	36	15	1555.32.1.25	20
M40x1.5	22.0	33.0	53	48	15	1555.40.1.33	10
M50x1.5	28.0	38.0	60	48	15	1555.50.1.38	5
M63x1.5	32.0	44.0	65	49	16	1555.63.1.44	5



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	21	12	1556.12.1.06	100
M16x1.5	2.0	6.0	19	25	15	1556.17.1.06	50
M16x1.5	4.5	10.0	19	25	15	1556.17.1.10	50
M20x1.5	3.5	8.0	24	29	15	1556.20.1.08	50
M20x1.5	7.0	13.0	24	29	15	1556.20.1.13	50
M25x1.5	5.0	11.0	29	38	15	1556.25.1.11	25
M25x1.5	10.0	17.0	29	38	15	1556.25.1.17	25
M32x1.5	17.0	25.0	42	36	15	1556.32.1.25	20
M40x1.5	22.0	33.0	53	48	15	1556.40.1.33	10
M50x1.5	28.0	38.0	60	48	15	1556.50.1.38	5
M63x1.5	32.0	44.0	65	49	16	1556.63.1.44	5

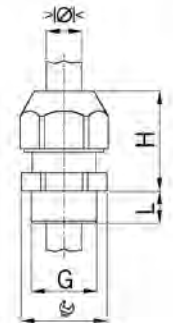


SYNTHETIC CABLE GLANDS SYNTEC®

WITH LAMELLAR TECHNOLOGY

ENTRY THREAD PG

MATERIAL: POLYAMIDE PA 6
 PROPERTIES: HALOGEN-FREE
 SEALING RING: CR (NEOPRENE)
 TEMPERATURE RANGE: -30°C / +100°C
 PROTECTION CLASS: IP 68



SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	2.5	6.5	15	21	8	1555.07.06	100
Pg 9	3.0	8.0	19	23	8	1555.09.08	50
Pg 11	2.0	7.0	22	25	8	1555.11.07	50
Pg 11	4.0	10.0	22	25	8	1555.11.10	50
Pg 13	3.0	7.0	24	26	9	1555.13.07	50
Pg 13	5.5	12.0	24	26	9	1555.13.12	50
Pg 16	5.0	11.0	27	30	10	1555.16.11	50
Pg 16	8.5	14.0	27	30	10	1555.16.14	50
Pg 21	6.5	14.0	33	35	11	1555.21.14	25
Pg 21	11.0	18.0	33	35	11	1555.21.18	25
Pg 29	17.0	25.0	42	36	11	1555.29.25	20
Pg 36	22.0	33.0	53	48	15	1555.36.33	10
Pg 42	28.0	38.0	60	48	15	1555.42.38	5
Pg 48	32.0	44.0	65	48	15	1555.48.44	5



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	2.5	6.5	15	21	8	1556.07.06	100
Pg 9	3.0	8.0	19	23	8	1556.09.08	50
Pg 11	2.0	7.0	22	25	8	1556.11.07	50
Pg 11	4.0	10.0	22	25	8	1556.11.10	50
Pg 13	3.0	7.0	24	26	9	1556.13.07	50
Pg 13	5.5	12.0	24	26	9	1556.13.12	50
Pg 16	5.0	11.0	27	30	10	1556.16.11	50
Pg 16	8.5	14.0	27	30	10	1556.16.14	50
Pg 21	6.5	14.0	33	35	11	1556.21.14	25
Pg 21	11.0	18.0	33	35	11	1556.21.18	25
Pg 29	17.0	25.0	42	36	11	1556.29.25	20
Pg 36	22.0	33.0	53	48	15	1556.36.33	10
Pg 42	28.0	38.0	60	48	15	1556.42.38	5
Pg 48	32.0	44.0	65	48	15	1556.48.44	5

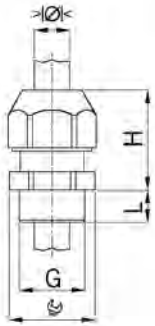




SYNTHETIC CABLE GLANDS SYNTEC®

WITH LAMELLAR TECHNOLOGY

ENTRY THREAD PG



MATERIAL: POLYAMIDE PA 6
 PROPERTIES: HALOGEN-FREE
 SEALING RING: CR (NEOPRENE)
 TEMPERATURE RANGE: -30°C / +100°C
 PROTECTION CLASS: IP 68

SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING



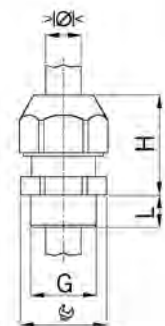
G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
Pg 7	2.5	6.5	15	21	8	1545.07.06	100
Pg 9	3.0	8.0	19	23	8	1545.09.08	50
Pg 11	2.0	7.0	22	25	8	1545.11.07	50
Pg 11	4.0	10.0	22	25	8	1545.11.10	50
Pg 13	3.0	7.0	24	26	9	1545.13.07	50
Pg 13	5.5	12.0	24	26	9	1545.13.12	50
Pg 16	5.0	11.0	27	30	10	1545.16.11	50
Pg 16	8.5	14.0	27	30	10	1545.16.14	50
Pg 21	6.5	14.0	33	35	11	1545.21.14	25
Pg 21	11.0	18.0	33	35	11	1545.21.18	25
Pg 29	17.0	25.0	42	36	11	1545.29.25	20
Pg 36	22.0	33.0	53	48	15	1545.36.33	10
Pg 42	28.0	38.0	60	48	15	1545.42.38	5
Pg 48	32.0	44.0	65	48	15	1545.48.44	5

SYNTHETIC CABLE GLANDS SYNTEC®

WITH LAMELLAR TECHNOLOGY

ENTRY THREAD NPT

MATERIAL:	POLYAMIDE PA 6
PROPERTIES:	HALOGEN-FREE
SEALING RING:	CR (NEOPRENE)
TEMPERATURE RANGE:	-30°C / +100°C
PROTECTION CLASS:	IP 54
PROTECTION TYPE ADDITION:	IP 68, IF THE ENTRY THREAD IS SEALED



SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	23	15	1555.N0375.08	50
NPT 1/2"	3.0	7.0	24	26	15	1555.N0500.07	50
NPT 1/2"	5.5	12.0	24	26	15	1555.N0500.12	50
NPT 3/4"	6.5	14.0	33	35	15	1555.N0750.14	25
NPT 3/4"	11.0	18.0	33	35	15	1555.N0750.18	25
NPT 1"	17.0	22.0	42	36	15	1555.N1000.22	20



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	23	15	1556.N0375.08	50
NPT 1/2"	3.0	7.0	24	26	15	1556.N0500.07	50
NPT 1/2"	5.5	12.0	24	26	15	1556.N0500.12	50
NPT 3/4"	6.5	14.0	33	35	15	1556.N0750.14	25
NPT 3/4"	11.0	18.0	33	35	15	1556.N0750.18	25
NPT 1"	17.0	22.0	42	36	15	1556.N1000.22	20



SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	23	15	1545.N0375.08	50
NPT 1/2"	3.0	7.0	24	26	15	1545.N0500.07	50
NPT 1/2"	5.5	12.0	24	26	15	1545.N0500.12	50
NPT 3/4"	6.5	14.0	33	35	15	1545.N0750.14	25
NPT 3/4"	11.0	18.0	33	35	15	1545.N0750.18	25
NPT 1"	17.0	22.0	42	36	15	1545.N1000.22	20

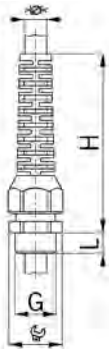




SYNTHETIC CABLE GLANDS SYNTEC®

WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

SHORT ENTRY THREAD METRIC



MATERIAL: POLYAMIDE PA 6
 PROPERTIES: HALOGEN-FREE
 SEALING RING: CR (NEOPRENE)
 TESTED ACC. TO: EN 50262
 TEMPERATURE RANGE: -30°C / +100°C
 PROTECTION CLASS: IP 68

SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	54	6	1576.12.06	50
M16x1.5	4.0	8.0	19	64	6	1576.17.08	50
M20x1.5	3.0	7.0	24	88	8	1576.20.07	50
M20x1.5	5.5	12.0	24	88	8	1576.20.12	50



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	54	6	1577.12.06	50
M16x1.5	4.0	8.0	19	64	6	1577.17.08	50
M20x1.5	3.0	7.0	24	88	8	1577.20.07	50
M20x1.5	5.5	12.0	24	88	8	1577.20.12	50



SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	54	6	1546.12.06	50
M16x1.5	4.0	8.0	19	64	6	1546.17.08	50
M20x1.5	3.0	8.0	24	88	8	1546.20.07	50
M20x1.5	5.5	12.0	24	88	8	1546.20.12	50

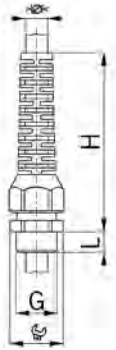


SYNTHETIC CABLE GLANDS SYNTEC®

WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

LONG ENTRY THREAD METRIC

MATERIAL:	POLYAMIDE PA 6
PROPERTIES:	HALOGEN-FREE
SEALING RING:	CR (NEOPRENE)
TESTED ACC. TO:	EN 50262
TEMPERATURE RANGE:	-30°C / +100°C
PROTECTION CLASS:	IP 68



SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	54	1576.12.1.06	50
M16x1.5	4.0	8.0	19	64	1576.17.1.08	50
M20x1.5	3.0	7.0	24	88	1576.20.1.07	50
M20x1.5	5.5	12.0	24	88	1576.20.1.12	50



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	54	1577.12.1.06	50
M16x1.5	4.0	8.0	19	64	1577.17.1.08	50
M20x1.5	3.0	7.0	24	88	1577.20.1.07	50
M20x1.5	5.5	12.0	24	88	1577.20.1.12	50



SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	54	1546.12.1.06	50
M16x1.5	4.0	8.0	19	64	1546.17.1.08	50
M20x1.5	3.0	7.0	24	88	1546.20.1.07	50
M20x1.5	5.5	12.0	24	88	1546.20.1.12	50

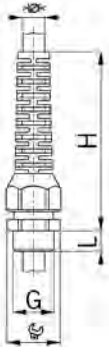




SYNTEC®

WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

ENTRY THREAD PG



MATERIAL: POLYAMIDE PA 6
PROPERTIES: HALOGEN-FREE
SEALING RING: CR (NEOPRENE)
TEMPERATURE RANGE: -30°C / +100°C
PROTECTION CLASS: IP 68

SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING



G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm
Pg 7	2.5	6.5	15	54	8
Pg 9	3.0	8.0	19	64	8
Pg 11	2.0	7.0	22	77	8
Pg 11	4.0	10.0	22	77	8
Pg 13	3.0	7.0	24	88	9
Pg 13	5.5	12.0	24	88	9
Pg 16	5.0	11.0	27	102	10
Pg 16	8.5	14.0	27	102	10

PART. NO.



						1576.07.06	50
						1576.09.08	50
						1576.11.07	50
						1576.11.10	50
						1576.13.07	50
						1576.13.12	50
						1576.16.11	50
						1576.16.14	50

SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING



G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm
Pg 7	2.5	6.5	15	54	8
Pg 9	3.0	8.0	19	64	8
Pg 11	2.0	7.0	22	77	8
Pg 11	4.0	10.0	22	77	8
Pg 13	3.0	7.0	24	88	9
Pg 13	5.5	12.0	24	88	9
Pg 16	5.0	11.0	27	102	10
Pg 16	8.5	14.0	27	102	10

PART. NO.



						1577.07.06	50
						1577.09.08	50
						1577.11.07	50
						1577.11.10	50
						1577.13.07	50
						1577.13.12	50
						1577.16.11	50
						1577.16.14	50

SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING



G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm
Pg 7	2.5	6.5	15	54	8
Pg 9	3.0	8.0	19	64	8
Pg 11	2.0	7.0	22	77	8
Pg 11	4.0	10.0	22	77	8
Pg 13	3.0	7.0	24	88	9
Pg 13	5.5	12.0	24	88	9
Pg 16	5.0	11.0	27	102	10
Pg 16	8.5	14.0	27	102	10

PART. NO.



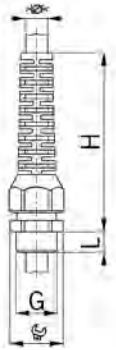
						1546.07.06	50
						1546.09.08	50
						1546.11.07	50
						1546.11.10	50
						1546.13.07	50
						1546.13.12	50
						1546.16.11	50
						1546.16.14	50

SYNTEC®

WITH LAMELLAR TECHNOLOGY & ANTIKINK NOZZLE

ENTRY THREAD NPT

MATERIAL:	POLYAMIDE PA 6
PROPERTIES:	HALOGEN-FREE
SEALING RING:	CR (NEOPRENE)
TEMPERATURE RANGE:	-30°C / +100°C
PROTECTION CLASS:	IP 54
PROTECTION TYPE ADDITION:	IP 68, IF THE ENTRY THREAD IS SEALED



SYNTEC

LIGHT GREY RAL 7035 / ONE-PIECE SEALING RING

G	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	64	15	1576.N0375.08	50
NPT 1/2"	3.0	7.0	24	88	15	1576.N0500.07	50
NPT 1/2"	5.5	12.0	24	88	15	1576.N0500.12	50



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	64	15	1577.N0375.08	50
NPT 1/2"	3.0	7.0	24	88	15	1577.N0500.07	50
NPT 1/2"	5.5	12.0	24	88	15	1577.N0500.12	50



SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

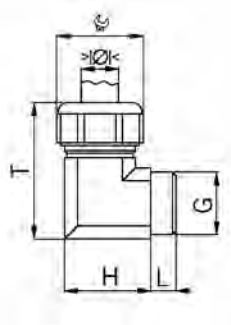
G	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	64	15	1546.N0375.08	50
NPT 1/2"	3.0	7.0	24	88	15	1546.N0500.07	50
NPT 1/2"	5.5	12.0	24	88	15	1546.N0500.12	50





SYNTHETIC CABLE GLANDS ELBOW 90°

ENTRY THREAD METRIC



MATERIAL: POLYAMIDE PA 6
SEAL: PVC / TPE
TEMPERATURE RANGE: -20°C / +100°C
PROTECTION CLASS: IP 68



LIGHT GREY RAL 7035 / ONE-PIECE SEALING INSERT

G	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	 mm	H mm	T mm	L mm	PART. NO.	
M16x1.5	6.5	9.5	19	22	38	8	5215.17.95	25
M20x1.5	7.0	10.5	24	28	46	9	5215.20.105	25
M20x1.5	9.0	13.0	24	28	46	9	5215.20.13	25
M25x1.5	11.5	15.5	27	32	52	10	5215.25.155	25



BLACK RAL 9005 / ONE-PIECE SEALING INSERT

G	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	 mm	H mm	T mm	L mm	PART. NO.	
M16x1.5	6.5	9.5	19	22	38	8	5215.17.40.95	25
M20x1.5	7.0	10.5	24	28	46	9	5215.20.40.105	25
M20x1.5	9.0	13.0	24	28	46	9	5215.20.40.13	25
M25x1.5	11.5	15.5	27	32	52	10	5215.25.40.155	25

ENTRY THREAD PG



LIGHT GREY RAL 7035 / ONE-PIECE SEALING INSERT

G	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	 mm	H mm	T mm	L mm	PART. NO.	
Pg 9	4.5	6.5	19	22	38	8	5215.09.65	25
Pg 9	6.5	9.5	19	22	38	8	5215.09.95	25
Pg 11	7.0	10.5	22	25	42	9	5215.11.105	25
Pg 11	4.0	6.5	22	25	42	9	5215.11.65	25
Pg 11	6.5	9.5	22	25	42	9	5215.11.95	25
Pg 13	7.0	10.5	24	28	46	9	5215.13.105	25
Pg 13	9.0	13.0	24	28	46	9	5215.13.13	25
Pg 13	6.5	9.5	24	32	46	9	5215.13.95	25
Pg 16	7.0	10.5	27	32	52	10	5215.16.105	25
Pg 16	9.0	13.0	27	32	52	10	5215.16.13	25
Pg 16	11.5	15.5	27	32	52	10	5215.16.155	25
Pg 16	6.5	9.5	27	32	52	10	5215.16.95	25

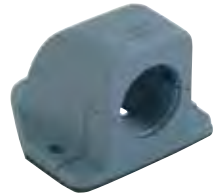
SYNTHETIC FLANGED ELBOW 90°

ENTRY THREAD METRIC

MATERIAL:	POLYAMIDE
SEAL:	NBR
TEMPERATURE RANGE:	-40°C / +110°C
PROTECTION CLASS:	IP 65
PROPERTIES:	THE FLANGED ELBOW CAN BE OPENED TO INSERT THE CABLES AND THEREFORE PERMITS AN EFFORTLESS INSTALLATION

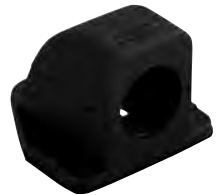
GREY

G	A mm	B mm	C mm	D mm	E mm	F mm	H mm	PART. NO.	
M16x1.5	49	47	35	22	27	29	37	5500.20.17	10
M20x1.5	49	47	35	22	27	29	37	5500.20.20	10
M25x1.5	69	65	44	30	31	42	52	5500.20.25	10
M32x1.5	90	78	55	40	65	65	65	5500.20.32	10
M40x1.5	100	94	66	48	68	80	80	5500.20.40	5
M50x1.5	116	101	76	63	85	88	88	5500.20.50	5



BLACK

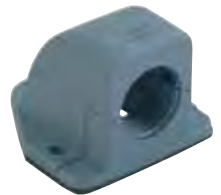
G	A mm	B mm	C mm	D mm	E mm	F mm	H mm	PART. NO.	
M16x1.5	49	47	35	22	27	29	37	5500.40.17	10
M20x1.5	49	47	35	22	27	29	37	5500.40.20	10
M25x1.5	69	65	44	30	31	42	52	5500.40.25	10
M32x1.5	90	78	55	40	65	65	65	5500.40.32	10
M40x1.5	100	94	66	48	68	80	80	5500.40.40	5
M50x1.5	116	101	76	63	85	88	88	5500.40.50	5



ENTRY THREAD PG

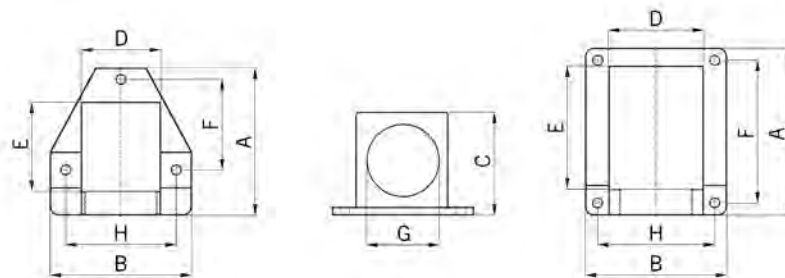
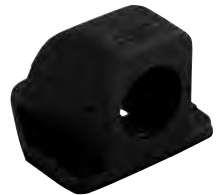
GREY

G	A mm	B mm	C mm	D mm	E mm	F mm	H mm	PART. NO.	
Pg 11	49	47	35	22	27	29	37	5520.11	10
Pg 16	49	47	35	22	27	29	37	5520.16	10
Pg 21	69	65	44	30	31	42	52	5520.21	10
Pg 29	90	78	55	40	65	65	65	5520.29	10
Pg 36	100	94	66	48	68	80	80	5520.36	5
Pg 48	116	101	76	63	85	88	88	5520.48.48	5



BLACK

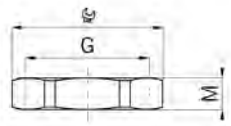
G	A mm	B mm	C mm	D mm	E mm	F mm	H mm	PART. NO.	
Pg 11	49	47	35	22	27	29	37	5540.11	10
Pg 16	49	47	35	22	27	29	37	5540.16	10
Pg 21	69	65	44	30	31	42	52	5540.21	10
Pg 29	90	78	55	40	65	65	65	5540.29	10
Pg 36	100	94	66	48	68	80	80	5540.36	5
Pg 48	116	101	76	63	85	88	88	5540.48.48	5





LOCK NUT NICKEL-PLATED BRASS

ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
 EXECUTION: HEXAGONAL DESIGN
 TEMPERATURE RANGE: -40°C / +200°C



METRIC THREAD

G	 mm	M mm	i info	PART. NO.	
M6x0.75	9	2.8	-	8000.06.1	50
M6x1.0	9	2.8	1	8000.06	50
M8x1.0	11	2.8	-	8000.08.1	50
M8x1.25	11	2.8	1	8000.08	50
M10x1.0	13	2.8	-	8000.10.1	50
M10x1.5	13	2.8	1	8000.10	50
M12x1.5	15	3.0	-	8000.12	100
M16x1.5	19	3.0	-	8000.17	100
M20x1.5	24	3.5	-	8000.20	100
M25x1.5	30	4.0	-	8000.25	50
M32x1.5	36	4.0	-	8000.32	25
M40x1.5	46	5.0	-	8000.40	25
M50x1.5	55	5.5	-	8000.50	10
M63x1.5	70	6.0	-	8000.63	10
M75x1.5	80	6.0	-	8000.75	10
M80x2.0	95	8	-	8000.080	5
M85x2.0	95	8.0	-	8000.085	5
M95x2.0	110	9.0	-	8000.095	5
M100x3.0	115	9.0	-	8000.100	1
M105x3.0	120	9.0	-	8000.105	1
M115x3.0	125	10.0	-	8000.115	1

1 = METRIC COARSE-PITCH THREAD

ENTRY THREAD PG



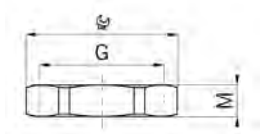
PG THREAD

G	 mm	M mm	PART. NO.	
Pg 7	15	3.0	8007	50
Pg 9	18	3.0	8009	50
Pg 11	21	3.0	8011	50
Pg 13	23	3.0	8013	50
Pg 16	26	3.0	8016	50
Pg 21	32	3.5	8021	25
Pg 29	41	4.0	8029	10
Pg 36	51	5.0	8036	10
Pg 42	60	5.0	8042	10
Pg 48	64	5.5	8048.48	10

LOCK NUT NICKEL-PLATED BRASS

GAS-PIPE THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS
 EXECUTION: HEXAGONAL DESIGN
 TEMPERATURE RANGE: -40°C / +200°C



GAS-PIPE THREAD

G	 mm	M	i	PART. NO.	
G 3/8"	19	3.0	-	803/8G	10
G 1/2"	24	3.0	-	801/2G	10
G 3/8"	26	3.0	-	805/8G	10
G 3/4"	30	3.5	-	803/4G	10
G 1"	38	4.5	-	801G	10
G 1 1/2"	51	5.0	-	801 1/2G	10
G 1 1/4"	46	5.0	-	801 1/4G	10
G 2"	64	5.5	-	8048	10
G 2 1/2"	Ø90	12.0	1	8050	50
G 3"	Ø105	12.0	1	8051	50

1 = ROUND FORM, ZINC COATED STEEL



ENTRY THREAD METRIC

THICK-WALLED VERSION

G	 mm	M	PART. NO.	
M12x1.5	15	5.0	8300.12	50
M16x1.5	19	5.0	8300.17	50
M20x1.5	24	5.5	8300.20	50
M25x1.5	30	5.5	8300.25	50
M32x1.5	36	6.0	8300.32	50
M40x1.5	46	7.0	8300.40	50



ENTRY THREAD PG

THICK-WALLED VERSION

G	 mm	M	PART. NO.	
Pg 7	15	5.0	8300.07	50
Pg 9	18	5.0	8300.09	50
Pg 11	21	5.0	8300.11	50
Pg 13	24	5.5	8300.13	50
Pg 16	26	5.5	8300.16	50
Pg 21	32	6.0	8300.21	50
Pg 29	41	7.0	8300.29	50

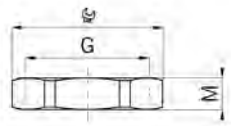




LOCK NUT NICKEL-PLATED BRASS

WITH RECESS FOR O-RING

ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
 EXECUTION: HEXAGONAL DESIGN
 O-RING: TO BE ORDERED SEPARATELY
 TEMPERATURE RANGE: -40°C / +200°C



THICK-WALLED VERSION WITHOUT O-RING

G	 mm	M mm	O-ring	PART. NO.	
M12x1.5	15	5.0	1007.00.08	8300.12.1	50
M16x1.5	19	5.0	1016.00.15.08	8300.17.1	50
M20x1.5	24	5.5	1016.00.08	8300.20.1	50
M25x1.5	30	5.5	1013.00.22.08	8300.25.1	50
M32x1.5	36	6.0	1021.00.30.08	8300.32.1	50
M40x1.5	46	7.0	1029.00.39.08	8300.40.1	50
M50x1.5	55	7.5	1036.00.49.08	8300.50.1	10
M63x1.5	70	8.0	1048.00.62.08	8300.63.1	10

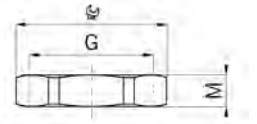
STAINLESS STEEL LOCK NUTS

STAINLESS STEEL A2

MATERIAL: CRNI STAINLESS STEEL A2
(DIN EN 1.4305 / AISI 303)

EXECUTION: HEXAGONAL DESIGN

TEMPERATURE RANGE: -40°C / +300°C



METRIC THREAD

G	 mm	M mm	i info	PART. NO.	
M8x1.25	11	2.8	1	8008.96	50
M10x1.5	13	2.8	1	8010.96	50
M12x1.5	17	3.0	-	8012.96	50
M16x1.5	19	3.0	-	8017.96	50
M20x1.5	24	3.5	-	8020.96	50
M25x1.5	30	3.5	-	8025.96	25
M32x1.5	36	4.5	-	8032.96	25
M40x1.5	46	4.5	-	8040.96	10
M50x1.5	55	5.5	-	8050.96	10
M63x1.5	70	6.0	-	8063.96	5

1 = METRIC COARSE-PITCH THREAD



PG THREAD

G	 mm	M mm	PART. NO.	
Pg 7	17	3.5	8007.96	50
Pg 9	19	3.5	8009.96	50
Pg 11	22	3.5	8011.96	50
Pg 13	24	4.0	8013.96	50
Pg 16	27	4.0	8016.96	50
Pg 21	32	4.5	8021.96	25
Pg 29	41	5.5	8029.96	10
Pg 36	51	6.0	8036.96	10

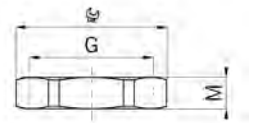


STAINLESS STEEL AND ACID RESISTANT A4

MATERIAL: STAINLESS AND ACID RESISTANT STEEL A4 CRNIMO
(DIN EN 1.4435 / AISI 316L)

EXECUTION: HEXAGONAL DESIGN

TEMPERATURE RANGE: -40°C / +300°C



METRIC THREAD

G	 mm	M mm	i info	PART. NO.	
M8x1.25	11	2.8	1	8008.98	50
M10x1.5	13	2.8	1	8010.98	50
M12x1.5	17	3.0	-	8012.98	50
M16x1.5	19	3.0	-	8017.98	50
M20x1.5	24	3.5	-	8020.98	50
M25x1.5	30	3.5	-	8025.98	25
M32x1.5	36	4.5	-	8032.98	25
M40x1.5	46	4.5	-	8040.98	10
M50x1.5	55	5.5	-	8050.98	10
M63x1.5	70	6.0	-	8063.98	5

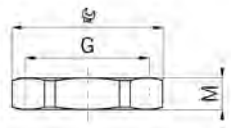
1 = METRIC COARSE-PITCH THREAD





SYNTHETIC LOCK NUTS

ENTRY THREAD METRIC



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED
EXECUTION: HEXAGONAL DESIGN
TEMPERATURE RANGE: -40°C / +100°C



LIGHT GREY RAL 7035

G	 mm	M		PART. NO.	
M12x1.5	17	5.5		8212	100
M16x1.5	22	5.5		8217	100
M20x1.5	26	6.5		8220	100
M25x1.5	32	7.0		8225	100
M32x1.5	41	7.0		8232	100
M40x1.5	50	7.0		8240	50
M50x1.5	60	8.5		8250	10



BLACK RAL 9005

G	 mm	M		PART. NO.	
M12x1.5	17	5.5		8212.40	100
M16x1.5	22	5.5		8217.40	100
M20x1.5	26	6.5		8220.40	100
M25x1.5	32	7.0		8225.40	100
M32x1.5	41	7.0		8232.40	100
M40x1.5	50	7.0		8240.40	50
M50x1.5	60	8.5		8250.40	10

ENTRY THREAD PG



LIGHT GREY RAL 7035

G	 mm	M		PART. NO.	
Pg 7	19	5.0		8207	100
Pg 9	22	6.0		8209	100
Pg 11	24	6.0		8211	100
Pg 13	27	6.0		8213	100
Pg 16	30	6.0		8216	100
Pg 21	36	7.0		8221	100
Pg 29	46	7.0		8229	50
Pg 36	60	8.0		8236	25
Pg 42	65	8.0		8242	25
Pg 48	70	8.0		8248.48	25



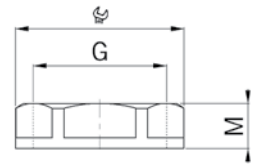
BLACK RAL 9005

G	 mm	M		PART. NO.	
Pg 7	19	5.0		8207.40	100
Pg 9	22	6.0		8209.40	100
Pg 11	24	6.0		8211.40	100
Pg 13	27	6.0		8213.40	100
Pg 16	30	6.0		8216.40	100
Pg 21	36	7.0		8221.40	100
Pg 29	46	7.0		8229.40	50
Pg 36	60	8.0		8236.40	25
Pg 42	65	8.0		8242.40	25
Pg 48	70	8.0		8248.48.40	25

SYNTHETIC LOCK NUTS WITH FLANGE

ENTRY THREAD METRIC

MATERIAL: POLYAMIDE PA 6
 EXECUTION: HEXAGONAL DESIGN WITH FLANGE
 TEMPERATURE RANGE: -30°C / +100°C



LIGHT GREY RAL 7035

G	 mm	M		PART. NO.	
M12x1.5	17	5.0		8255.12	100
M16x1.5	22	5.0		8255.17	100
M20x1.5	27	6.0		8255.20	100
M25x1.5	33	6.7		8255.25	100
M32x1.5	42	7.9		8255.32	50
M40x1.5	48	8.4		8255.40	50
M50x1.5	59	9.9		8255.50	10
M63x1.5	73	11.0		8255.63	10



BLACK RAL 9005

G	 mm	M		PART. NO.	
M12x1.5	17	5.0		8245.12	100
M16x1.5	22	5.0		8245.17	100
M20x1.5	27	6.0		8245.20	100
M25x1.5	33	6.7		8245.25	100
M32x1.5	42	7.9		8245.32	50
M40x1.5	48	8.4		8245.40	50
M50x1.5	59	9.9		8245.50	10
M63x1.5	73	11.0		8245.63	10



ENTRY THREAD PG

LIGHT GREY RAL 7035

G	 mm	M		PART. NO.	
Pg 7	19	5.0		8255.07	100
Pg 9	21	5.0		8255.09	100
Pg 11	24	5.0		8255.11	100
Pg 13	27	6.0		8255.13	100
Pg 16	30	6.0		8255.16	100
Pg 21	36	7.0		8255.21	50
Pg 29	46	8.0		8255.29	50
Pg 36	59	8.0		8255.36	25
Pg 42	65	8.0		8255.42	10
Pg 48	69	8.0		8255.48	10



BLACK RAL 9005

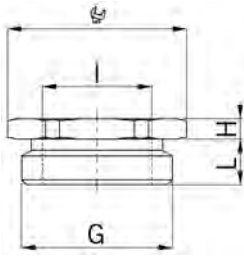
G	 mm	M		PART. NO.	
Pg 7	19	5.0		8245.07	100
Pg 9	21	5.0		8245.09	100
Pg 11	24	5.0		8245.11	100
Pg 13	27	6.0		8245.13	100
Pg 16	30	6.0		8245.16	100
Pg 21	36	7.0		8245.21	50
Pg 29	46	8.0		8245.29	50
Pg 36	59	8.0		8245.36	25
Pg 42	65	8.0		8245.42	10
Pg 48	69	8.0		8245.48	10





REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

HEXAGONAL REDUCTION FITTINGS



MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

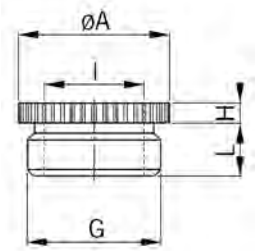
G	I	 mm	H mm	L mm	i info	PART. NO.	
M 8x1.25	M 6x1.0	11	8.0	5	1	3500.08.06	50
M10x1.5	M 6x1.0	13	3.0	5	1	3500.10.06	50
M10x1.5	M 8x1.25	13	8.0	5	1	3500.10.08	50
M12x1.5	M 8x1.25	15	3.0	5	1	3500.12.08	50
M12x1.5	M10x1.5	15	8.0	5	1	3500.12.10	50
M16x1.5	M10x1.5	18	3.0	5	1	3500.17.10	50
M16x1.5	M12x1.5	18	3.0	5	-	3500.17.12	50
M20x1.5	M12x1.5	24	3.0	6	-	3500.20.12	50
M20x1.5	M16x1.5	24	3.0	6	-	3500.20.17	50
M25x1.5	M16x1.5	30	3.5	7	-	3500.25.17	25
M25x1.5	M20x1.5	30	3.5	7	-	3500.25.20	25
M32x1.5	M20x1.5	36	4.0	8	-	3500.32.20	20
M32x1.5	M25x1.5	36	4.0	8	-	3500.32.25	20
M40x1.5	M25x1.5	46	4.5	8	-	3500.40.25	10
M40x1.5	M32x1.5	46	4.5	8	-	3500.40.32	10
M50x1.5	M32x1.5	55	5.0	9	-	3500.50.32	10
M50x1.5	M40x1.5	55	5.0	9	-	3500.50.40	10
M63x1.5	M40x1.5	70	5.5	10	-	3500.63.40	5
M63x1.5	M50x1.5	70	5.5	10	-	3500.63.50	5
M75x1.5	M50x1.5	80	6.0	11	-	3500.75.50	5
M75x1.5	M63x1.5	80	6.0	11	-	3500.75.63	5

1 = METRIC COARSE-PITCH THREAD

REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

ROUND, KNURLED REDUCTION FITTINGS

MATERIAL: NICKEL-PLATED BRASS
 TEMPERATURE RANGE: -40°C / +200°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



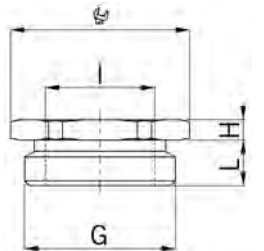
OUTER THREAD METRIC / INNER THREAD METRIC / WITHOUT O-RING

G	I	ØA mm	H mm	L mm	PART. NO.	
M16x1.5	M12x1.5	18	3	7	3545.17.12	100
M20x1.5	M12x1.5	22	3	8	3545.20.12	100
M20x1.5	M16x1.5	22	3	8	3545.20.17	100
M25x1.5	M16x1.5	27	3	8	3545.25.17	50
M25x1.5	M20x1.5	27	3	8	3545.25.20	50
M32x1.5	M20x1.5	34	4	9	3545.32.20	50
M32x1.5	M25x1.5	34	4	9	3545.32.25	50
M40x1.5	M25x1.5	42	4.5	9	3545.40.25	50
M40x1.5	M32x1.5	42	4.5	9	3545.40.32	25
M50x1.5	M32x1.5	52	4.5	10	3545.50.32	25
M50x1.5	M40x1.5	52	4.5	10	3545.50.40	10
M63x1.5	M40x1.5	65	5	11	3545.63.40	10
M63x1.5	M50x1.5	65	5	11	3545.63.50	10



HEXAGONAL REDUCTION FITTINGS

MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

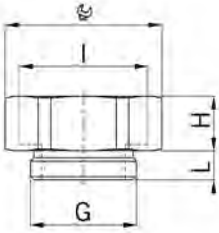
G	I	mm	H mm	L mm	PART. NO.	
Pg 9	Pg 7	18	3.0	6.5	3509.07	50
Pg 11	Pg 7	20	3.0	6.5	3511.07	50
Pg 11	Pg 9	22	3.0	7.0	3511.09	50
Pg 13	Pg 7	24	3.0	7.0	3513.07	50
Pg 13	Pg 9	24	3.0	7.0	3513.09	50
Pg 13	Pg 11	24	3.0	7.0	3513.11	50
Pg 16	Pg 9	24	3.0	7.0	3516.09	50
Pg 16	Pg 11	24	3.0	7.0	3516.11	50
Pg 16	Pg 13	27	3.0	7.0	3516.13	50
Pg 21	Pg 11	32	3.5	7.5	3521.11	25
Pg 21	Pg 13	32	3.5	7.5	3521.13	25
Pg 21	Pg 16	32	3.5	7.5	3521.16	25
Pg 29	Pg 13	38	4.0	8.0	3529.13	10
Pg 29	Pg 16	38	4.0	8.0	3529.16	10
Pg 29	Pg 21	38	4.0	8.0	3529.21	10
Pg 36	Pg 21	50	4.5	8.5	3536.21	10
Pg 36	Pg 29	50	4.5	8.5	3536.29	10
Pg 42	Pg 29	60	4.0	11.0	3542.29	10
Pg 42	Pg 36	60	4.0	11.0	3542.36	10
Pg 48	Pg 36	65	4.0	11.0	3548.48.36	10





REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

HEXAGONAL ENLARGING FITTINGS



MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68

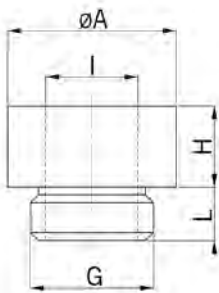


OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

G	I	 mm	H mm	L mm	i info	PART. NO.	
M 6x1.0	M 8x1.25	11	8.5	5	1	3600.06.08	50
M 6x1.0	M 10x1.5	13	8.5	5	1	3600.06.10	50
M 8x1.25	M 10x1.5	13	9	5	1	3600.08.10	50
M 8x1.25	M 12x1.5	15	9	5	1	3600.08.12	50
M 10x1.5	M 12x1.5	15	9	5	1	3600.10.12	50
M 10x1.5	M 16x1.5	18	9	5	1	3600.10.17	50
M 12x1.5	M 16x1.5	18	9	5	-	3600.12.17	50
M 12x1.5	M 20x1.5	24	10	5	-	3600.12.20	50
M 16x1.5	M 20x1.5	24	10	5	-	3600.17.20	50
M 20x1.5	M 25x1.5	30	11.5	6	-	3600.20.25	25
M 25x1.5	M 32x1.5	36	14	7	-	3600.25.32	25
M 32x1.5	M 40x1.5	46	14	8	-	3600.32.40	25
M 40x1.5	M 50x1.5	55	16	8	-	3600.40.50	10
M 50x1.5	M 63x1.5	70	17	9	-	3600.50.63	10
M 63x1.5	M 75x1.5	80	18	10	-	3600.63.75	10

1 = METRIC COARSE-PITCH THREAD

ROUND EXECUTION ENLARGING FITTINGS



MATERIAL: NICKEL-PLATED BRASS
TEMPERATURE RANGE: -40°C / +200°C
PROTECTION CLASS: IP 54
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



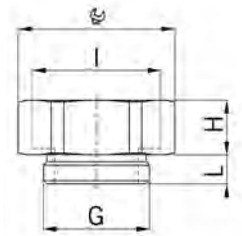
OUTER THREAD METRIC / INNER THREAD METRIC / WITHOUT O-RING

G	I	ØA mm	H mm	L mm	PART. NO.	
M 12x1.5	M 16x1.5	19	9.5	6.5	3645.12.17	100
M 16x1.5	M 20x1.5	22	10.5	7	3645.17.20	100
M 20x1.5	M 25x1.5	27	11	8	3645.20.25	100
M 25x1.5	M 32x1.5	34	12	8	3645.25.32	50
M 32x1.5	M 40x1.5	42	12	9	3645.32.40	50
M 40x1.5	M 50x1.5	53	14	9	3645.40.50	25
M 50x1.5	M 63x1.5	66	19	10	3645.50.63	25

REDUCTION & ENLARGING FITTINGS NICKEL-PLATED BRASS

HEXAGONAL ENLARGING FITTINGS

MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

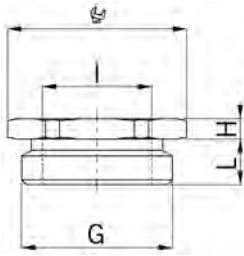
G	I	 mm	H mm	L mm	PART. NO.	
PG 7	PG 9	18	13	8	3607.09.08	50
PG 9	PG 11	22	15	8	3609.11.08	50
PG 9	PG 13	24	15	8	3609.13.08	50
PG 11	PG 13	24	15	8	3611.13.08	50
PG 11	PG 16	24	15	8	3611.16.08	50
PG 11	PG 21	32	16	8	3611.21.08	50
PG 13	PG 16	24	15	8	3613.16.08	50
PG 16	PG 21	32	16	8	3616.21.08	25
PG 16	PG 29	40	16	8	3616.29.08	25
PG 21	PG 29	40	16	8	3621.29.08	25
PG 29	PG 36	50	18	10	3629.36.08	20
PG 36	PG 42	60	19	12	3636.42.08	10
PG 36	PG 48	64	20	12	3636.48.48.08	10





ADAPTER NICKEL-PLATED BRASS

HEXAGONAL



MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



OUTER THREAD METRIC / INNER THREAD PG / WITH O-RING

G	I	 mm	H mm	L mm	PART. NO.	
M16x1.5	PG 7	20	3.0	7	3500.17.07	50
M20x1.5	PG 7	24	3.0	7	3500.20.07	50
M20x1.5	PG 9	24	3.0	7	3500.20.09	50
M20x1.5	PG 11	24	13.0	7	3500.20.11	50
M25x1.5	PG 9	30	3.5	8	3500.25.09	50
M25x1.5	PG 11	30	3.5	8	3500.25.11	50
M25x1.5	PG 13	30	3.8	8	3500.25.13	50
M25x1.5	PG 16	30	15.0	8	3500.25.16	25
M32x1.5	PG 21	38	16.0	8	3500.32.21	25
M40x1.5	PG 29	45	16.0	8	3500.40.29	10
M50x1.5	PG 29	55	4.0	10	3500.50.29	10
M63x1.5	PG 36	70	5.5	11	3500.63.36	10



OUTER THREAD METRIC / INNER THREAD PG / WITH O-RING

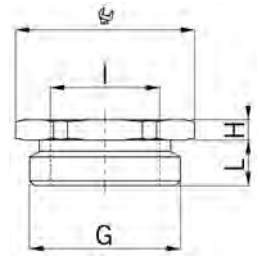
G	I	 mm	H mm	L mm	i info	PART. NO.	
M10x1.5	PG 7	16	12	6	1	3600.10.07	50
M10x1.5	PG 9	18	12	6	1	3600.10.09	50
M12x1.5	PG 9	18	12	7	-	3600.12.09	50
M16x1.5	PG 11	22	14	7	-	3600.17.11	50
M20x1.5	PG 13	24	15	7	-	3600.20.13	50
M20x1.5	PG 16	24	15	7	-	3600.20.16	50
M25x1.5	PG 21	32	16	8	-	3600.25.21	25
M32x1.5	PG 29	40	16	8	-	3600.32.29	25
M40x1.5	PG 36	50	18	8	-	3600.40.36	20
M50x1.5	PG 42	60	19	10	-	3600.50.42	10
M50x1.5	PG 48	64	20	10	-	3600.50.48	10

1 = METRIC COARSE-PITCH THREAD

ADAPTER NICKEL-PLATED BRASS

HEXAGONAL

MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



OUTER THREAD PG / INNER THREAD METRIC / WITH O-RING

G	I	 mm	H mm	L mm	i info	PART. NO.	
PG 7	M 6x1.0	15	3.0	6	1	3500.07.06	50
PG 7	M 8x1.25	15	3.0	6	1	3500.07.08	50
PG 7	M 10x1.5	15	7.0	6	1	3500.07.10	50
PG 9	M 6x1.0	18	3.0	6	1	3500.09.06	50
PG 9	M 8x1.25	18	3.0	6	1	3500.09.08	50
PG 9	M 10x1.5	18	3.0	6	1	3500.09.10	50
PG 9	M 12x1.5	18	8.0	6	-	3500.09.12	50
PG 11	M 6x1.0	21	3.0	6	1	3500.11.06	50
PG 11	M 8x1.25	21	3.0	6	1	3500.11.08	50
PG 11	M 10x1.5	21	3.0	6	1	3500.11.10	50
PG 11	M 12x1.5	21	3.0	6	-	3500.11.12	50
PG 11	M 16x1.5	21	8.0	6	-	3500.11.17	50
PG 13	M 12x1.5	24	3.0	6	-	3500.13.12	50
PG 13	M 16x1.5	24	3.0	6	-	3500.13.17	50
PG 16	M 12x1.5	24	3.0	6	-	3500.16.12	25
PG 16	M 16x1.5	24	3.0	6	-	3500.16.17	25
PG 16	M 20x1.5	24	10.5	6	-	3500.16.20	25
PG 21	M 16x1.5	30	3.5	7.5	-	3500.21.17	25
PG 21	M 20x1.5	30	3.5	7.5	-	3500.21.20	25
PG 21	M 25x1.5	30	10.5	7.5	-	3500.21.25	25
PG 29	M 25x1.5	38	4.0	8	-	3500.29.25	20
PG 29	M 32x1.5	38	13.0	8	-	3500.29.32	20
PG 36	M 32x1.5	50	4.5	8	-	3500.36.32	10
PG 36	M 40x1.5	50	4.5	8	-	3500.36.40	10
PG 42	M 32x1.5	55	5.0	10	-	3500.42.32	10
PG 42	M 40x1.5	55	5.0	10	-	3500.42.40	10
PG 42	M 50x1.5	55	15.0	10	-	3500.42.50	10
PG 48	M 40x1.5	65	5.5	11	-	3500.48.40	5
PG 48	M 50x1.5	65	5.5	11	-	3500.48.50	5

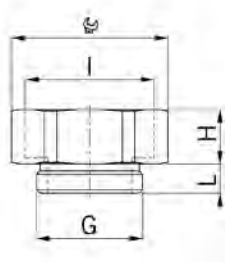


1 = METRIC COARSE-PITCH THREAD



ADAPTER NICKEL-PLATED BRASS

HEXAGONAL



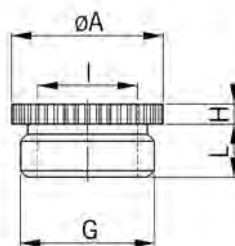
MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



OUTER THREAD Pg / INNER THREAD METRIC / WITH O-RING

G	I	 mm	H mm	L mm	PART. NO.	
Pg 7	M12x1.5	15	9.0	6	3600.07.12	50
Pg 7	M16x1.5	18	9.0	6	3600.07.17	50
Pg 9	M16x1.5	18	9.5	6	3600.09.17	50
Pg 9	M20x1.5	24	10.5	6	3600.09.20	50
Pg 11	M20x1.5	24	10.5	6	3600.11.20	50
Pg 11	M25x1.5	30	11.5	6	3600.11.25	25
Pg 13	M20x1.5	24	10.5	6	3600.13.20	50
Pg 13	M25x1.5	30	11.5	6	3600.13.25	25
Pg 16	M25x1.5	30	11.5	6	3600.16.25	25
Pg 16	M32x1.5	36	13.5	6	3600.16.32	25
Pg 21	M32x1.5	36	14.0	7.5	3600.21.32	25
Pg 21	M40x1.5	46	14.0	7.5	3600.21.40	20
Pg 29	M40x1.5	46	14.0	8	3600.29.40	20
Pg 29	M50x1.5	55	16.0	8	3600.29.50	10
Pg 36	M50x1.5	55	16.0	8	3600.36.50	10
Pg 36	M63x1.5	70	17.0	8	3600.36.63	10
Pg 42	M63x1.5	70	17.0	10	3600.42.63	10
Pg 42	M75x1.5	80	18.0	10	3600.42.75	10
Pg 48	M63x1.5	70	17.0	11	3600.48.63	10
Pg 48	M75x1.5	80	18.0	11	3600.48.75	10

ROUND, KNURLED



MATERIAL: NICKEL-PLATED BRASS
TEMPERATURE RANGE: -40°C / +200°C
PROTECTION CLASS: IP 54
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



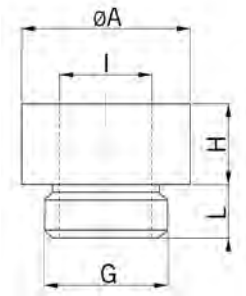
OUTER THREAD Pg / INNER THREAD METRIC / WITHOUT O-RING

G	I	ØA mm	H mm	L mm	PART. NO.	
Pg 11	M16x1.5	20	10	6	3545.11.17	50
Pg 16	M20x1.5	24	11	6	3545.16.20	50
Pg 21	M20x1.5	30	3.5	7.5	3545.21.20	50
Pg 21	M25x1.5	30	11	7.5	3545.21.25	50
Pg 29	M25x1.5	39	4	8	3545.29.25	25
Pg 29	M32x1.5	39	4	8	3545.29.32	25
Pg 36	M40x1.5	50	4.5	8	3545.36.40	10

ADAPTER NICKEL-PLATED BRASS

ROUND EXECUTION

MATERIAL: NICKEL-PLATED BRASS
 TEMPERATURE RANGE: -40°C / +200°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



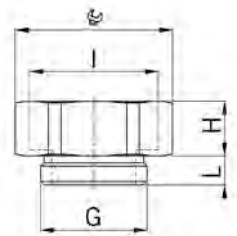
OUTER THREAD PG / INNER THREAD METRIC / WITHOUT O-RING

G	I	ØA mm	H mm	L mm	PART. NO.	
Pg 7	M12x1.5	14	9	6	3645.07.12	100
Pg 9	M16x1.5	19	9.5	6	3645.09.17	50
Pg 11	M20x1.5	22	11	6	3645.11.20	50
Pg 13	M20x1.5	22	11	6	3645.13.20	50
Pg 16	M25x1.5	27	11	6	3645.16.25	50
Pg 21	M32x1.5	34	12	7.5	3645.21.32	50
Pg 29	M40x1.5	42	12	8	3645.29.40	10



HEXAGONAL

MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



OUTER THREAD PG / INNER THREAD METRIC / WITH O-RING

G	I	mm	H mm	L mm	PART. NO.	
Pg 13	G3/8"	24	3	7	35133/8G	50
Pg 16	G1/2"	24	14	10	36161/2G.08	50
Pg 21	G3/4"	32	14	12	36213/4G.08	25
Pg 36	G 2"	64	20	12	3636.48.08	10
Pg 42	G 2"	64	20	15	3642.48.08	10



OUTER THREAD GAS-PIPE / INNER THREAD PG / WITH O-RING

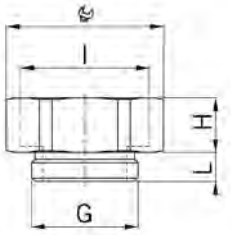
G	I	mm	H mm	L mm	PART. NO.	
G3/8"	Pg 7	20	3	10	353/8G.07	50
G1/2"	Pg 9	24	3	9.5	351/2G.09	50
G3/4"	Pg 9	30	3.5	11	353/4G.09	50
G3/4"	Pg 11	30	3.5	11	353/4G.11	50
G3/4"	Pg 16	32	3.5	11	353/4G.16	50
G1"	Pg 21	38	3.5	11	351G.21	25
G1 1/4"	Pg 29	50	5	11	3511/4G.29	25
G2"	Pg 36	64	5	11	352G.36	10
G2"	Pg 42	64	5	11	3548.42	10





ADAPTER NICKEL-PLATED BRASS

HEXAGONAL

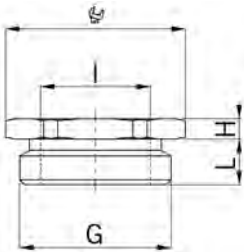


MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



OUTER THREAD GAS-PIPE / INNER THREAD PG / WITH O-RING

G	I	 mm	H mm	L mm	PART. NO.	
G3/8"	PG 11	20	12	10	363/8G.11.08	50
G1/2"	PG 11	24	12	10	361/2G.11.08	50
G1/2"	PG 13	24	12	10	361/2G.13.08	50
G1/2"	PG 16	24	12	10	361/2G.16.08	50
G5/8"	PG 16	24	12	10	365/8G.16.08	50
G3/4"	PG 21	32	15	12	363/4G.21.08	25
G7/8"	PG 29	41	15	12	367/8G.29.08	25
G1"	PG 29	41	15	11	361G.29.08	25
G1 1/2"	PG 36	54	22	12	361 1/2G.36.08	10



MATERIAL: NICKEL-PLATED BRASS
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68, IF THE ENTRY THREAD IS SEALED



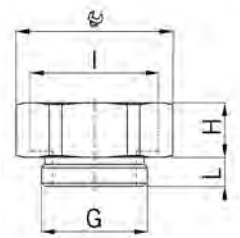
OUTER THREAD NPT / INNER THREAD PG / WITHOUT O-RING

G	I	 mm	H mm	L mm	PART. NO.	
NPT1/2"	PG 9	22	4.5	20	351/2NPT.09	50
NPT3/4"	PG 11	30	4	20	353/4NPT.11	10
NPT3/4"	PG 13	30	4	20	353/4NPT.13	10
NPT 1"	PG 16	36	6	26	351NPT.16	10

ADAPTER NICKEL-PLATED BRASS

HEXAGONAL

MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD NPT / INNER THREAD PG / WITHOUT O-RING

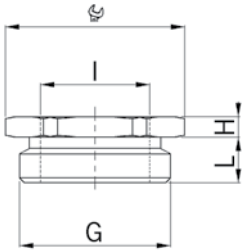
G	I	 mm	H mm	L mm	PART. NO.	
NPT1/2"	PG 11	24	12	20	361/2NPT.11	50
NPT1/2"	PG 13	24	14	20	361/2NPT.13	50
NPT1/2"	PG 16	34	20	20	361/2NPT.16	50
NPT3/4"	PG 21	32	14	20	363/4NPT.21	25





SYNTHETIC REDUCTION & ENLARGING FITTINGS

HEXAGONAL REDUCTION FITTINGS

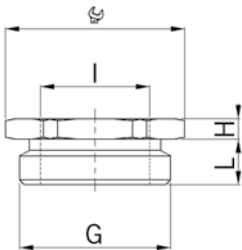


MATERIAL: POLYAMIDE PA 6
TEMPERATURE RANGE: -30°C / +100°C
PROTECTION CLASS: IP 54
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD METRIC / INNER THREAD METRIC / LIGHT GREY RAL 7035

G	I	 mm	H mm	L mm	PART. NO.	
M16x1.5	M12x1.5	22	4	8	3455.17.12	100
M20x1.5	M12x1.5	24	4	8	3455.20.12	100
M20x1.5	M16x1.5	24	4	8	3455.20.17	100
M25x1.5	M12x1.5	29	6	8	3455.25.12	100
M25x1.5	M16x1.5	29	6	8	3455.25.17	100
M25x1.5	M20x1.5	29	6	8	3455.25.20	100
M32x1.5	M12x1.5	36	6	10	3455.32.12	50
M32x1.5	M16x1.5	36	6	10	3455.32.17	50
M32x1.5	M20x1.5	36	6	10	3455.32.20	50
M32x1.5	M25x1.5	36	6	10	3455.32.25	50
M40x1.5	M16x1.5	46	6	10	3455.40.17	50
M40x1.5	M20x1.5	46	6	10	3455.40.20	50
M40x1.5	M25x1.5	46	6	10	3455.40.25	25
M40x1.5	M32x1.5	46	6	10	3455.40.32	25
M50x1.5	M20x1.5	55	6	12	3455.50.20	5
M50x1.5	M25x1.5	55	6	12	3455.50.25	5
M50x1.5	M32x1.5	55	6	12	3455.50.32	5
M50x1.5	M40x1.5	55	6	12	3455.50.40	5
M63x1.5	M25x1.5	68	6	12	3455.63.25	5
M63x1.5	M32x1.5	68	6	12	3455.63.32	5
M63x1.5	M40x1.5	68	6	12	3455.63.40	5
M63x1.5	M50x1.5	68	6	12	3455.63.50	5



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED
TEMPERATURE RANGE: -20°C / +100°C
PROTECTION CLASS: IP 54
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



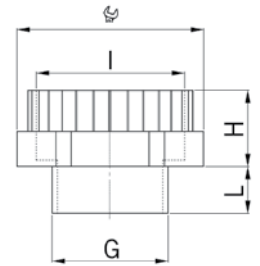
OUTER THREAD PG / INNER THREAD PG / LIGHT GREY

G	I	 mm	H mm	L mm	PART. NO.	
Pg 9	Pg 7	19	12	8	3409.07	50
Pg 11	Pg 7	22	3	8	3411.07	50
Pg 11	Pg 9	22	15	8	3411.09	50
Pg 13	Pg 9	24	3	9	3413.09	50
Pg 13	Pg 11	24	15	9	3413.11	50
Pg 16	Pg 9	27	5	9	3416.09	50
Pg 16	Pg 11	27	5	9	3416.11	50
Pg 16	Pg 13	27	17	10	3416.13	50
Pg 21	Pg 13	32	5	11	3421.13	25
Pg 21	Pg 16	32	5	11	3421.16	25
Pg 29	Pg 21	41	6	12	3429.21	10
Pg 36	Pg 29	50	6	14	3436.29	10

SYNTHETIC REDUCTION & ENLARGING FITTINGS

ROUND WITH HEXAGON ENLARGING FITTINGS

MATERIAL: POLYAMIDE PA 6
 TEMPERATURE RANGE: -30°C / +100°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED

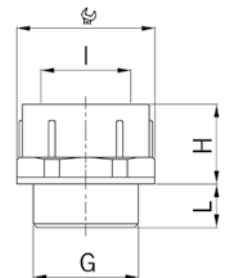


OUTER THREAD METRIC / INNER THREAD METRIC / LIGHT GREY RAL 7035

G	I		H	L	PART. NO.	
M12x1.5	M16x1.5	20	13	8	3755.12.17	100
M16x1.5	M20x1.5	24	13	8	3755.17.20	100
M20x1.5	M25x1.5	29	13	8	3755.20.25	100
M25x1.5	M32x1.5	36	15	8	3755.25.32	50
M32x1.5	M40x1.5	46	15	10	3755.32.40	25
M40x1.5	M50x1.5	55	15	10	3755.40.50	10
M50x1.5	M63x1.5	68	15	10	3755.50.63	10



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED
 TEMPERATURE RANGE: -20°C / +100°C
 PROTECTION CLASS: IP 54, IP 68 IF THE THREAD IS SEALED



OUTER THREAD PG / INNER THREAD PG / LIGHT GREY

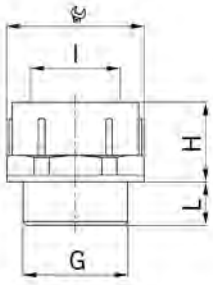
G	I		H	L	PART. NO.	
PG 7	PG 9	19	18	7	3707.09	50
PG 9	PG 11	22	19	7	3709.11	50
PG 11	PG 13	24	21	8	3711.13	50
PG 13	PG 16	27	23	9	3713.16	50
PG 16	PG 21	32	26	9	3716.21	25
PG 21	PG 29	41	33	10	3721.29	25
PG 29	PG 36	55	39	12	3729.36	10
PG 36	PG 42	60	46	14	3736.42	10
PG 42	PG 48	65	39	16	3742.48	10





SYNTHETIC ADAPTER

ROUND WITH HEXAGON



MATERIAL: POLYAMIDE GLASS FIBER REINFORCED
 TEMPERATURE RANGE: -20°C / +100°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD METRIC / INNER THREAD PG / LIGHT GREY

G	I	 mm	H mm	L mm	PART. NO.	
M12x1.5	PG 9	19	13	11	3712.09	50
M20x1.5	PG 13	24	15	11	3720.13	50
M20x1.5	PG 16	27	17	11	3720.16	50
M25x1.5	PG 21	33	20	11	3725.21	25
M32x1.5	PG 29	42	22	11	3732.29	25
M50x1.5	PG 42	60	28	11	3750.42	10

HEXAGONAL



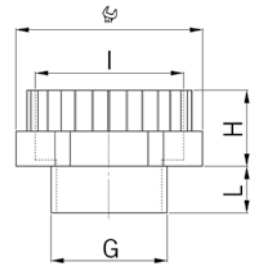
OUTER THREAD METRIC / INNER THREAD PG / LIGHT GREY

G	I	 mm	H mm	L mm	PART. NO.	
M16x1.5	PG 9	19	14	11	3417.09	50
M20x1.5	PG 11	22	16	11	3420.11	50
M25x1.5	PG 16	27	18	11	3425.16	50
M40x1.5	PG 29	42	23	11	3440.29	25
M50x1.5	PG 36	53	26	11	3450.36	10
M63x1.5	PG 48	65	29	11	3463.48	5

SYNTHETIC ADAPTER

ROUND WITH HEXAGON

MATERIAL: POLYAMIDE PA 6
 TEMPERATURE RANGE: -30°C / +100°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



OUTER THREAD Pg / INNER THREAD METRIC / LIGHT GREY RAL 7035

G	I		H	L	PART. NO.	
Pg 7	M12x1.5	15	12	8	3755.07.12	100
Pg 7	M16x1.5	20	12	8	3755.07.17	100
Pg 9	M16x1.5	20	12	8	3755.09.17	100
Pg 9	M20x1.5	24	12	8	3755.09.20	100
Pg 11	M20x1.5	24	12	8	3755.11.20	100
Pg 13	M25x1.5	30	13	9	3755.13.25	100
Pg 16	M25x1.5	30	13	10	3755.16.25	50
Pg 21	M32x1.5	37	14	11	3755.21.32	50
Pg 29	M40x1.5	45	14	11	3755.29.40	50
Pg 42	M50x1.5	55	17	11	3755.42.50	10
Pg 48	M63x1.5	68	17	11	3755.48.63	5



OUTER THREAD Pg / INNER THREAD METRIC / LIGHT GREY RAL 7035

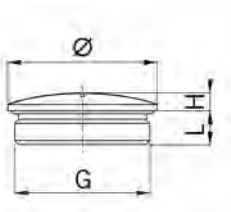
G	I		H	L	PART. NO.	
Pg 9	M12x1.5	19	12	8	3455.09.12	100
Pg 11	M16x1.5	22	12	8	3455.11.17	100
Pg 13	M16x1.5	24	13	9	3455.13.17	100
Pg 13	M20x1.5	24	13	9	3455.13.20	100
Pg 16	M20x1.5	27	13	10	3455.16.20	50
Pg 21	M25x1.5	33	14	11	3455.21.25	50
Pg 29	M32x1.5	42	14	11	3455.29.32	50
Pg 36	M40x1.5	55	14	11	3455.36.40	25





LOCKING PLUGS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC



MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



ROUND EXECUTION / WITH O-RING

G	Ø mm	H mm	L mm	i info	PART. NO.	
M6x1.0	9	3	5	1	8706.08	50
M8x1.25	10	3	5	1	8708.08	50
M10x1.5	12	3	5	1	8710.08	50
M12x1.5	14	3	5	-	8712.08	50
M16x1.5	19	3	5	-	8717.08	50
M20x1.5	24	3	6	-	8720.08	25
M25x1.5	28	4	7	-	8725.08	25
M32x1.5	35	4	8	-	8732.08	10
M40x1.5	45	6	8	-	8740.08	10
M50x1.5	55	6	9	-	8750.08	10
M63x1.5	70	6	10	-	8763.08	10
M75x1.5	80	6	11	-	8775.08	5

1 = METRIC COARSE-PITCH THREAD

LONG ENTRY THREAD METRIC



ROUND EXECUTION / WITH O-RING

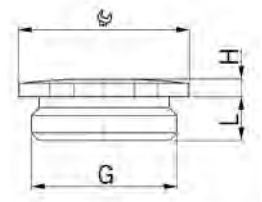
G	Ø mm	H mm	L mm	i info	PART. NO.	
M6x1.0	9	3	8	1	8706.11.08	50
M8x1.25	10	3	10	1	8708.11.08	50
M10x1.5	12	3	10	1	8710.11.08	50
M12x1.5	14	3	10	-	8712.11.08	50
M16x1.5	19	3	10	-	8717.11.08	50
M20x1.5	24	3	10	-	8720.11.08	25
M25x1.5	28	4	11	-	8725.11.08	25
M32x1.5	35	4	13	-	8732.11.08	10
M40x1.5	45	6	13	-	8740.11.08	10
M50x1.5	55	6	14	-	8750.11.08	10
M63x1.5	70	6	15	-	8763.11.08	10
M75x1.5	80	6	15	-	8775.11.08	5

1 = METRIC COARSE-PITCH THREAD

LOCKING PLUGS NICKEL-PLATED BRASS

SHORT ENTRY THREAD METRIC

MATERIAL: NICKEL-PLATED BRASS
 TEMPERATURE RANGE: -40°C / +200°C
 PROTECTION CLASS: IP 54
 PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



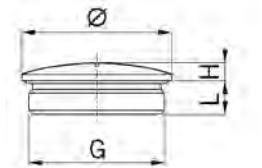
HEXAGONAL DESIGN / WITHOUT O-RING

G		H	L	PART. NO.	
mm	mm	mm			
M12x1.5	14	2.5	5	8745.12	100
M16x1.5	18	2.5	5	8745.17	100
M20x1.5	22	2.5	6	8745.20	100
M25x1.5	27	3.0	7	8745.25	50
M32x1.5	34	3.5	8	8745.32	25
M40x1.5	42	4.0	8	8745.40	25
M50x1.5	52	4.0	9	8745.50	10
M63x1.5	65	4.0	10	8745.63	10



SHORT ENTRY THREAD PG

MATERIAL: NICKEL-PLATED BRASS
 O-RING: NBR
 TEMPERATURE RANGE: -40°C / +100°C
 PROTECTION CLASS: IP 68



ROUND EXECUTION / WITH O-RING

G	Ø	H	L	PART. NO.	
mm	mm	mm	mm		
Pg 7	14	3	5	8707.08	100
Pg 9	17	3	6	8709.08	100
Pg 11	20	3	6	8711.08	100
Pg 13	22	3	6.5	8713.08	50
Pg 16	24	3	6.5	8716.08	50
Pg 21	30	4	7	8721.08	10
Pg 29	39	4	8	8729.08	10
Pg 36	50	6	9	8736.08	10
Pg 42	60	6	10	8742.08	10
Pg 48	65	6	10	8748.48.08	10
G 2"	65	6	10	8748.08	10



LONG ENTRY THREAD PG

ROUND EXECUTION / WITH O-RING

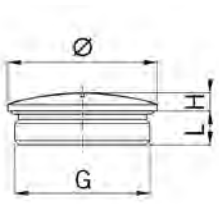
G	Ø	H	L	PART. NO.	
mm	mm	mm	mm		
Pg 7	14	3	10	8707.11.08	100
Pg 9	17	3	10	8709.11.08	100
Pg 11	20	3	10	8711.11.08	100
Pg 13	22	3	10	8713.11.08	50
Pg 16	24	3	10	8716.11.08	50
Pg 21	30	4	12	8721.11.08	10
Pg 29	39	4	12	8729.11.08	10
Pg 36	50	6	15	8736.11.08	10
G 2"	65	6	15	8748.11.08	10





LOCKING PLUGS STAINLESS STEEL A2

ROUND EXECUTION



MATERIAL: CRNI STAINLESS STEEL A2
(DIN EN 1.4305 / AISI 303)

O-RING : NBR

TEMPERATURE RANGE: -40°C / +100°C

PROTECTION CLASS: IP 68



SHORT ENTRY THREAD METRIC / WITH O-RING

G	Ø mm	H mm	L mm	i info	PART. NO.	
M10x1.5	12	3	5	1	8710.96.08.70	50
M12x1.5	14	3	5	-	8712.96.08.70	50
M16x1.5	19	3	5	-	8717.96.08.70	50
M20x1.5	24	3	6	-	8720.96.08.70	25
M25x1.5	28	4	7	-	8725.96.08.70	25
M32x1.5	35	4	8	-	8732.96.08.70	10
M40x1.5	45	6	8	-	8740.96.08.70	10
M50x1.5	55	6	9	-	8750.96.08.70	10
M63x1.5	70	6	10	-	8763.96.08.70	10
M75x1.5	80	6	11	-	8775.96.08.70	5

1 = METRIC COARSE-PITCH THREAD

AVAILABLE ON REQUEST:

ENTRY THREAD Pg



LONG ENTRY THREAD METRIC / WITH O-RING

G	Ø mm	H mm	L mm	i info	PART. NO.	
M10x1.5	12	3	10	1	8710.96.11.08.70	50
M12x1.5	14	3	10	-	8712.96.11.08.70	50
M16x1.5	19	3	10	-	8717.96.11.08.70	50
M20x1.5	24	3	10	-	8720.96.11.08.70	25
M25x1.5	28	4	11	-	8725.96.11.08.70	25
M32x1.5	35	4	13	-	8732.96.11.08.70	10
M40x1.5	45	6	13	-	8740.96.11.08.70	10
M50x1.5	55	6	14	-	8750.96.11.08.70	10
M63x1.5	70	6	15	-	8763.96.11.08.70	10
M75x1.5	80	6	15	-	8775.96.11.08.70	5

1 = METRIC COARSE-PITCH THREAD

AVAILABLE ON REQUEST:

ENTRY THREAD Pg

LOCKING PLUGS STAINLESS STEEL A2

FOR HIGH TEMPERATURE APPLICATIONS

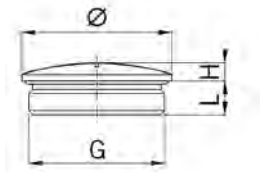
ROUND EXECUTION

MATERIAL: CRNI STAINLESS STEEL A2
(DIN EN 1.4305 / AISI 303)

O-RING: FPM

TEMPERATURE RANGE: -40°C / +200°C

PROTECTION CLASS: IP 68



SHORT ENTRY THREAD METRIC / WITH O-RING

G	Ø	H	L	i	PART. NO.	
mm	mm	mm	mm	info		
M10x1.5	12	3	5	1	8710.96.08	50
M12x1.5	14	3	5	-	8712.96.08	50
M16x1.5	19	3	5	-	8717.96.08	50
M20x1.5	24	3	6	-	8720.96.08	25
M25x1.5	28	4	7	-	8725.96.08	25
M32x1.5	35	4	8	-	8732.96.08	10
M40x1.5	45	6	8	-	8740.96.08	10
M50x1.5	55	6	9	-	8750.96.08	10
M63x1.5	70	6	10	-	8763.96.08	10
M75x1.5	80	6	11	-	8775.96.08	5



1 = METRIC COARSE-PITCH THREAD

AVAILABLE ON REQUEST:

ENTRY THREAD Pg

LONG ENTRY THREAD METRIC / WITH O-RING

G	Ø	H	L	i	PART. NO.	
mm	mm	mm	mm	info		
M10x1.5	12	3	10	1	8710.96.11.08	50
M12x1.5	14	3	10	-	8712.96.11.08	50
M16x1.5	19	3	10	-	8717.96.11.08	50
M20x1.5	24	3	10	-	8720.96.11.08	25
M25x1.5	28	4	11	-	8725.96.11.08	25
M32x1.5	35	4	13	-	8732.96.11.08	10
M40x1.5	45	6	13	-	8740.96.11.08	10
M50x1.5	55	6	14	-	8750.96.11.08	10
M63x1.5	70	6	15	-	8763.96.11.08	10
M75x1.5	80	6	15	-	8775.96.11.08	5



1 = METRIC COARSE-PITCH THREAD

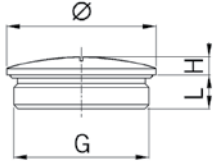
AVAILABLE ON REQUEST:

ENTRY THREAD Pg



SYNTHETIC LOCKING PLUGS

METRIC THREAD



MATERIAL: POLYAMIDE PA 6
TEMPERATURE RANGE: -30°C / +100°C
PROTECTION CLASS: IP 54
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



LIGHT GREY RAL 7035 / WITHOUT O-RING

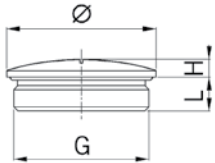
G	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	15	4.5	6	8855.12	100
M16x1.5	20	4.5	6	8855.17	100
M20x1.5	24	4.5	6	8855.20	100
M25x1.5	30	5.0	8	8855.25	100
M32x1.5	37	5.5	8	8855.32	50
M40x1.5	46	6.0	8	8855.40	50
M50x1.5	56	6.0	10	8855.50	10
M63x1.5	70	6.0	12	8855.63	10



BLACK RAL 9005 / WITHOUT O-RING

G	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	15	4.5	6	8845.12	100
M16x1.5	20	4.5	6	8845.17	100
M20x1.5	24	4.5	6	8845.20	100
M25x1.5	30	5.0	8	8845.25	100
M32x1.5	37	5.5	8	8845.32	50
M40x1.5	46	6.0	8	8845.40	50
M50x1.5	56	6.0	10	8845.50	10
M63x1.5	70	6.0	12	8845.63	10

ENTRY THREAD PG



MATERIAL: SHOCK-RESISTANT POLYSTYRENE
TEMPERATURE RANGE: -20°C / +80°C
PROTECTION CLASS: IP 54, IP 68 IF THE THREAD IS SEALED



LIGHT GREY RAL 7035 / WITHOUT O-RING

G	Ø mm	H mm	L mm	PART. NO.	
Pg 7	15	2.0	6.0	8807	100
Pg 9	19	3.0	6.5	8809	100
Pg 11	22	3.5	6.5	8811	100
Pg 13	25	3.5	6.5	8813	100
Pg 16	27	3.5	6.5	8816	100
Pg 21	33	4.0	8.0	8821	100
Pg 29	44	4.0	8.0	8829	50
Pg 36	55	4.0	10.0	8836	25
Pg 42	62	4.0	10.0	8842	10
Pg 48	69	4.0	12.0	8848.48	25

SOLID RUBBER SEALING INSERTS

SUITABLE FOR CABLE GLANDS PROGRESS®

MATERIAL: NBR
TEMPERATURE RANGE: -40°C / +100°C

SHORT SEALING INSERT WITHOUT DRILLED HOLE

G	 mm	PART. NO.	
M6	3.5	1000.06.30.03	1
M8	5.0	1000.08.30.03	1
M10	6.0	1000.10.30.03	1
Pg 11	12.0	1000.11.30.03	1
M12 / Pg 7	8.0	1000.12.30.03	1
M16 / Pg 9	10.5	1000.17.30.03	1
M20 / Pg 13 / Pg 16	15.0	1000.20.30.03	1
M25 / Pg 21	20.5	1000.25.30.03	1
Pg 29	27.5	1000.29.30.03	1
M32	25.5	1000.32.30.03	1
Pg 36	35.0	1000.36.30.03	1
M40	33.0	1000.40.30.03	1
Pg 48	49.0	1000.48.30.03	1
M50 / Pg 42	42.0	1000.50.30.03	1
M63	52.0	1000.63.30.03	1
M75	63.0	1000.75.30.03	1
M85	70.0	1000.085.30.03	1
M95	80.0	1000.095.30.03	1
M100	85.0	1000.100.30.03	1
M105	90.0	1000.105.30.03	1
M115	95.0	1000.115.30.03	1



TECHNICAL NOTE

WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

FOR HIGH-TEMPERATURE APPLICATIONS

MATERIAL: FPM
TEMPERATURE RANGE: -40°C / +200°C

SHORT SEALING INSERT WITHOUT DRILLED HOLE

G	 mm	PART. NO.	
M6	3.5	1000.06.98.30.03	1
M8	5.0	1000.08.98.30.03	1
M10	6.0	1000.10.98.30.03	1
Pg 11	12.0	1000.11.98.30.03	1
M12 / Pg 7	8.0	1000.12.98.30.03	1
M16 / Pg 9	10.5	1000.17.98.30.03	1
M20 / Pg 16	15.0	1000.20.98.30.03	1
M25 / Pg 21	20.5	1000.25.98.30.03	1
Pg 29	27.5	1000.29.98.30.03	1
M32	25.5	1000.32.98.30.03	1
Pg 36	35.0	1000.36.98.30.03	1
M40 / Pg 29	33.0	1000.40.98.30.03	1
Pg 48	49.0	1000.48.98.30.03	1
M50 / Pg 42	42.0	1000.50.98.30.03	1
M63	52.0	1000.63.98.30.03	1



TECHNICAL NOTE

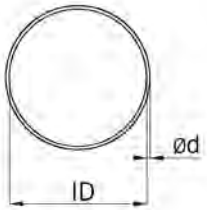
WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.



O-RINGS & SEALING WASHERS

SUITABLE FOR CABLE GLANDS PROGRESS®

O-RINGS



MATERIAL: NBR
TEMPERATURE RANGE: -40°C / +100°C



SUITABLE FOR ENTRY THREAD METRIC OR PG

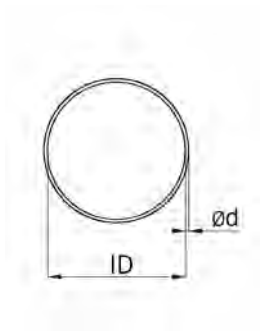
G	G	Øl mm	Ød mm	PART. NO.	
M 6	-	5.0	1.0	1005.00.08	1
M 8	-	6.0	1.5	1006.00.08	1
M10	-	8.1	1.6	1006.06.08	1
M12	PG 7	10.0	1.5	1007.00.08	1
M16	PG 9	13.1	1.6	1000.09.00.08	1
M20	-	17.0	2.0	2111.00.08	1
M25	-	22.0	2.0	1013.00.22.08	1
M32	-	30.0	2.0	1021.00.30.08	1
M40	-	36.0	2.0	1000.40.00.08	1
M50	-	46.0	2.0	1000.50.00.08	1
M63	-	60.0	2.0	1000.63.00.08	1
M75	-	72.0	2.0	1000.75.00.08	1
-	PG 11	15.0	2.0	1011.00.08	1
PG 13	PG 16	19.0	2.0	1016.00.08	1
-	PG 21	25.0	2.0	1016.00.25.08	1
-	PG 29	33.0	2.2	1029.00.08	1
-	PG 36	42.5	2.6	1036.00.08	1
-	PG 42	48.0	3.0	1000.42.00.08	1
-	PG 48	55.0	2.0	1000.48.00.08	1

O-RINGS & SEALING WASHERS

SUITABLE FOR CABLE GLANDS PROGRESS®

O-RINGS FOR HIGH TEMPERATURES

MATERIAL: FPM
TEMPERATURE RANGE: -40°C / +200°C



SUITABLE FOR ENTRY THREAD METRIC OR PG

G	G	Øl mm	Ød mm	PART. NO.	
M 6	-	5.0	1.0	1105.98.08	1
M 8	-	6.0	1.5	1106.98.08	1
M10	-	8.1	1.6	1106.06.98.08	1
M12	PG 7	10.0	1.5	1107.98.08	1
M16	PG 9	13.1	1.6	1100.09.98.08	1
M20	-	17.0	2.0	2111.98.08	1
M25	-	22.0	2.0	1113.98.22.08	1
M32	-	30.0	2.0	1121.98.30.08	1
M40	-	36.0	2.0	1100.40.98.08	1
M50	-	46.0	2.0	1100.50.98.08	1
M63	-	60.0	2.0	1100.63.98.08	1
M75	-	72.0	2.0	1100.75.98.08	1
-	PG 11	15.0	2.0	1111.98.08	1
PG 16	PG 13	18.0	2.0	1116.98.08	1
-	PG 21	25.0	2.0	1116.98.25.08	1
-	PG 29	33.0	1.8	1129.98.08	1
-	PG 36	42.5	2.6	1136.98.08	1
-	PG 42	48.0	3.0	1100.42.98.08	1
-	PG 48	55.0	2.0	1100.48.98.08	1

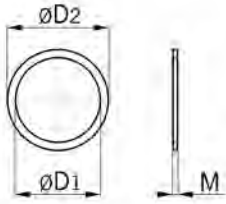




O-RINGS & SEALING WASHERS

SUITABLE FOR CABLE GLANDS PROGRESS®

SEALING WASHERS



MATERIAL: KLINGERSIL C-4300
TEMPERATURE RANGE: -40°C / +300°C
COLOR: GREEN



SUITABLE FOR METRIC ENTRY THREAD

G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
M6	10.0	6.0	1.5	1006.00.16	1
M8	12.0	8.0	1.5	1008.00.16	1
M10	14.0	10.0	1.5	1010.00.16	1
M12	16.0	12.0	1.5	1012.00.16	1
M16	21.0	16.0	1.5	1017.00.16	1
M20 / Pg 13	25.0	20.5	1.5	1013.00.16	1
M25	31.0	25.0	2.0	1025.00.16	1
M32	39.0	32.0	2.0	1032.00.16	1
M40	48.0	40.0	2.0	1040.00.16	1
M50	59.0	50.0	2.0	1050.00.16	1
M63	73.0	63.0	2.0	1063.00.16	1



SUITABLE FOR ENTRY THREAD PG

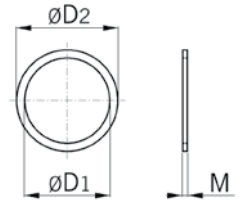
G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
Pg 7	16.5	12.5	1.5	1007.00.16	1
Pg 9	19.0	15.2	1.5	1009.00.16	1
Pg 11	22.5	18.5	1.5	1011.00.16	1
M20 / Pg 13	25.0	20.5	1.5	1013.00.16	1
Pg 16	27.0	22.5	1.5	1016.00.16	1
Pg 21	33.5	28.5	2.0	1021.00.16	1
Pg 29	43.5	37.0	2.0	1029.00.16	1
Pg 36	55.0	47.0	2.0	1036.00.16	1
Pg 42	63.0	54.0	2.0	1042.00.16	1
Pg 48	69.0	59.3	2.0	1048.00.16	1

O-RINGS & SEALING WASHERS, BLIND DISCS

SUITABLE FOR CABLE GLANDS SYNTEC®

SEALING WASHERS

MATERIAL: PERBUNAN
TEMPERATURE RANGE: -20°C / +100°C



SUITABLE FOR METRIC ENTRY THREAD

G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
M12	20	12	1.6	1012.45.16	50
M16	23	16	1.8	1017.45.16	50
M20	29	20	1.8	1020.45.16	50
M25	37	25	1.8	1025.45.16	50
M32	44	32	2.2	1032.45.16	25
M40	52	40	2.2	1040.45.16	25
M50	64	50	2.7	1050.45.16	25
M63	68	63	3.2	1063.45.16	10



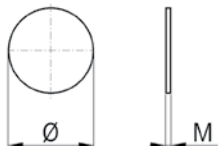
SUITABLE FOR ENTRY THREAD PG

G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
Pg 7	16.0	11.5	2.0	1007.45.16	50
Pg 9	19.0	14.0	2.0	1009.45.16	50
Pg 11	22.5	18.5	2.0	1011.45.16	50
Pg 13	25.0	19.0	2.0	1013.45.16	50
Pg 16	27.0	21.0	2.0	1016.45.16	50
Pg 21	34.0	27.0	2.5	1021.45.16	25
Pg 29	43.0	35.0	2.5	1029.45.16	25
Pg 36	54.0	45.0	2.5	1036.45.16	25



BLIND DISCS SUITABLE FOR CABLE GLANDS

MATERIAL: POLYAMIDE
TEMPERATURE RANGE: -20°C / +100°C
APPLICATION: DUST STOPPER FOR CABLE GLANDS



BLIND DISC FOR DUST PROTECTION

G	Ø mm	M mm	PART. NO.	
M10 / M12 / Pg 7	10.5	0.3	1012.00.19	50
M16 / Pg 9	13.5	0.3	1017.00.19	50
M20 / Pg 11	16.5	0.3	1011.00.19	50
Pg 13 / Pg 16	20.5	0.3	1020.00.19	50
M25 / Pg 21	26.5	0.3	1025.00.19	50
Pg 29	35.0	0.3	1029.00.19	50
M32	30.0	0.3	1032.00.19	50
Pg 36	45.0	0.3	1036.00.19	50
M40	38.0	0.3	1040.00.19	50
M50 / Pg 42	52.0	0.3	1050.00.19	50
M63 / Pg 48	57.0	0.3	1063.00.19	50





CROSS REFERENCE

HEYCO - AGRO

HEYCO - PG THREAD TYPE

AGRO - PG THREAD TYPE

THREAD TYPE	HEYCO BLACK	HEYCO GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO BLACK	AGRO GREY
PG7	3207	3208	2.3 - 6.4	2.5 - 6.5	1545.07.06	1555.07.06
PG7	3444	3445	2.0 - 4.	2.5 - 6.5	1545.07.06	1555.07.06
PG9	3210	3211	4.7 - 7.6	3.0 - 8.0	1545.09.08	1555.09.08
PG9	3446	3447	3.0 - 5.8	3.0 - 8.0	1545.09.08	1555.09.08
PG11	3213	3214	5.9 - 10.0	4.0 - 10.0	1545.11.10	1555.11.10
PG11	3448	3449	3.8 - 7.0	2.0 - 7.0	1545.11.07	1555.11.07
PG13	3216	3217	6.9 - 11.9	5.5 - 12.0	1545.13.12	1555.13.12
PG13	3450	3451	5.0 - 8.8	3.0 - 7.0	1545.13.07	1555.13.07
PG16	3219	3220	10.9 - 13.9	8.5 - 14.0	1545.16.14	1555.16.14
PG16	3452	3453	8.1 - 11.9	5.0 - 11.0	1545.16.11	1555.16.11
PG21	3222	3223	13.8 - 18.0	11.0 - 18.0	1545.21.18	1555.21.18
PG21	3454	3455	11.6 - 16.0	6.5 - 14.0	1545.21.14	1555.21.14
PG29	3225	3226	18.3 - 24.5	17.0 - 25.0	1545.29.25	1555.29.25
PG29	3456	3457	16.3 - 19.6	17.0 - 25.0	1545.29.25	1555.29.25
PG36	3204	N/A	22.0 - 32.0	22.0 - 33.0	1545.36.33	1555.36.33
PG36	3206	N/A	20.0 - 26.0	22.0 - 33.0	1545.36.33	1555.36.33
PG42	3212	N/A	32.0 - 38.0	28.0 - 38.0	1545.42.38	1545.42.38
PG42	3218	N/A	25.0 - 31.0	28.0 - 38.0	1545.42.38	1545.42.38
PG48	3281	N/A	37.0 - 44.0	32.0 - 44.0	1545.48.44	1545.48.44
PG48	3283	N/A	29.0 - 35.0	32.0 - 44.0	1545.48.44	1545.48.44

HEYCO - NPT THREAD TYPE

AGRO - NPT THREAD TYPE

THREAD TYPE	HEYCO BLACK	HEYCO GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO BLACK	AGRO GREY
NPT 3/8	3228	3229	4.7 - 7.9	3.0 - 8.0	1545.N0375.08	1555.N0375.08
NPT 3/8	3458	3459	2.0 - 6.0	3.0 - 8.0	1545.N0375.08	1555.N0375.08
NPT 1/2	3231	3232	6.9 - 11.8	5.5 - 12.0	1545.N0500.12	1555.N0500.12
NPT 1/2	3224	3236	5.0 - 8.8	3.0 - 7.0	1545.N0500.07	1555.N0500.07
NPT 3/4	3234	3235	13.8 - 18.0	11.0 - 18.0	1545.N0750.18	1555.N0750.18
NPT 3/4	3460	3461	11.5 - 16.0	6.5 - 14.0	1545.N0750.14	1555.N0750.14
NPT 1	8437	8438	18.0 - 25.4	17.0 - 22.0	1545.N1000.22	1555.N1000.22
NPT 1	8439	8440	12.0 - 19.5	17.0 - 22.0	1545.N1000.22	1555.N1000.22

HEYCO - STRAIN RELIEF

AGRO - STRAIN RELIEF

THREAD TYPE	HEYCO BLACK	HEYCO GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO GREY	AGRO BLACK
PG7	3237	3228	2.3 - 6.4	2.5 - 6.5	1576.07.06	1546.07.06
PG7	3464	3464	2.0 - 4.6	2.5 - 6.5	1576.07.06	1546.07.06
PG9	3240	3241	4.7 - 7.6	3.0 - 8.0	1576.09.08	1546.09.08
PG9	3466	3467	3.0 - 5.8	3.0 - 8.0	1576.09.08	1546.09.08
PG11	3243	3244	5.9 - 10.0	4.0 - 10.0	1576.11.10	1546.11.10
PG11	3468	3469	3.8 - 7.0	2.0 - 7.0	1576.11.07	1546.11.07
PG13	3246	3247	6.9 - 11.9	5.5 - 12.0	1576.13.12	1546.13.12
PG13	3470	3471	5.0 - 8.8	3.0 - 7.0	1576.13.07	1546.13.07
PG16	3249	3250	10.9 - 13.9	8.5 - 14.0	1576.16.14	1546.16.14
PG16	3472	3473	8.1 - 11.9	5.0 - 11.0	1576.16.11	1546.16.11

CROSS REFERENCE

OLFLEX - AGRO

OLFLEX - PG THREAD TYPE				AGRO - PG THREAD TYPE		
THREAD TYPE	OLFLEX BLACK	OLFLEX GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO BLACK	AGRO GREY
PG7	S2207	S1207	2.0 - 5.0	2.5 - 6.5	1545.07.06	1555.07.06
PG7	S2107	S1107	3.0 - 6.5	2.5 - 6.5	1545.07.06	1555.07.06
PG9	S2209	S1209	2.0 - 6.0	3.0 - 8.0	1545.09.08	1555.09.08
PG9	S2109	S1109	4.0 - 8.0	3.0 - 8.0	1545.09.08	1555.09.08
PG11	S2211	S1211	4.0 - 7.0	2.0 - 7.0	1545.11.07	1555.11.07
PG11	S2111	S1111	5.1 - 10.0	4.0 - 10.0	1545.11.10	1555.11.10
PG13	S2213	S1213	8.7 - 9.0	3.0 - 7.0	1545.13.07	1555.13.07
PG13	S2113	S1113	6.0 - 12.0	5.5 - 12.0	1545.13.12	1555.13.12
PG16	S2216	S1216	10.7 - 12.2	5.0 - 11.0	1545.16.11	1555.16.11
PG16	S2116	S1116	10.0 - 14.0	8.5 - 14.0	1545.16.14	1555.16.14
PG21	S2221	S1221	12.2 - 15.7	6.5 - 14.0	1545.21.14	1555.21.14
PG21	S2121	S1121	13.8 - 18.0	11.0 - 18.0	1545.21.18	1555.21.18
PG29	S2229	S1229	13.0 - 20.0	17.0 - 25.0	1545.29.25	1555.29.25
PG29	S2129	S1129	18.0 - 25.0	17.0 - 25.0	1545.29.25	1555.29.25
PG36	S2236	S1236	20.0 - 26.0	22.0 - 33.0	1545.36.33	1555.36.33
PG36	S2136	S1136	22.0 - 32.0	22.0 - 33.0	1545.36.33	1555.36.33
PG42	S2242	S1242	25.0 - 31.0	28.0 - 38.0	1545.42.38	1555.42.38
PG42	S2142	S1142	32.0 - 38.0	28.0 - 38.0	1545.42.38	1555.42.38
PG48	S2248	S1248	29.0 - 35.0	32.0 - 44.0	1545.48.44	1555.48.44
PG48	S2148	S1148	37.0 - 44.0	32.0 - 44.0	1545.48.44	1555.48.44

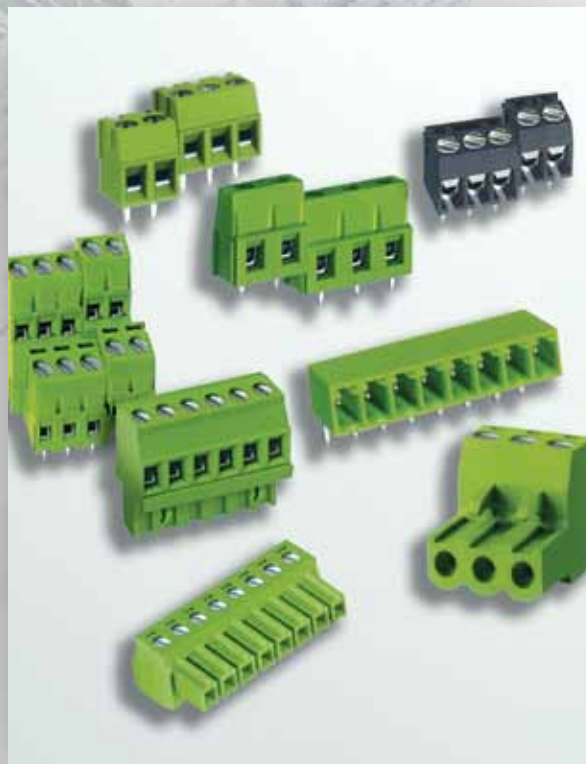
OLFLEX - NPT THREAD TYPE				AGRO - NPT THREAD TYPE		
THREAD TYPE	OLFLEX BLACK	OLFLEX GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO BLACK	AGRO GREY
NPT 3/8	S2238	S1238	2.0 - 6.0	3.0 - 8.0	1545.N0375.08	1555.N0375.08
NPT 3/8	S2138	S1138	4.0 - 8.0	3.0 - 8.0	1545.N0375.08	1555.N0375.08
NPT 1/2	S2212	S1212	8.7 - 9.0	3.0 - 7.0	1545.N0500.07	1555.N0500.07
NPT 1/2	S2112	S1112	6.0 - 12.0	5.5 - 12.0	1545.N0500.12	1555.N0500.12
NPT 3/4	S2234	S1234	12.2 - 15.7	6.5 - 14.0	1545.N0750.14	1555.N0750.14
NPT 3/4	S2134	S1134	13.8 - 18.0	11.0 - 18.0	1545.N0750.18	1555.N0750.18
NPT 1	S2201	S1201	14.0 - 21.0	17.0 - 22.0	1545.N1000.22	1555.N1000.22
NPT 1	S2101	S1101	18.0 - 26.0	17.0 - 22.0	1545.N1000.22	1555.N1000.22

OLFLEX - STRAIN RELIEF				AGRO - STRAIN RELIEF		
THREAD TYPE	OLFLEX BLACK	OLFLEX GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO GREY	AGRO BLACK
PG7	S2407	S1407	2.0 - 5.0	2.5 - 6.5	1576.07.06	1546.07.06
PG7	S2307	S1307	3.0 - 6.5	2.5 - 6.5	1576.07.06	1546.07.06
PG9	S2409	S1409	2.0 - 6.0	3.0 - 8.0	1576.09.08	1546.09.08
PG9	S2309	S1309	4.0 - 8.0	3.0 - 8.0	1576.09.08	1546.09.08
PG11	S2411	S1411	4.0 - 7.0	2.0 - 7.0	1576.11.07	1546.11.07
PG11	S2311	S1311	5.1 - 10.0	4.0 - 10.0	1576.11.10	1546.11.10
PG13	S2413	S1413	8.7 - 9.0	3.0 - 7.0	1576.13.07	1546.13.07
PG13	S2313	S1313	6.0 - 12.0	5.5 - 12.0	1576.13.12	1546.13.12
PG16	S2416	S1416	10.7 - 12.2	5.0 - 11.0	1576.16.11	1546.16.11
PG16	S2316	S1316	10.0 - 14.0	8.5 - 14.0	1576.16.14	1546.16.14



PRINTED CIRCUIT BOARD TERMINAL BLOCKS & CONNECTORS

AEI OFFERS SINGLE AND DUAL LEVEL TERMINAL BLOCKS FOR PRINTED CIRCUIT BOARDS ON 3.5MM, 5.0MM, .08MM, 7.5MM AND 7.62MM IN MODULAR 2 OR 3 POLE DESIGNS. CONNECTORS ARE OFFERED FROM 3.50MM, 3.81MM, 5.00MM AND 5.08MM VERSIONS IN 90° AND 180° CONFIGURATION UP TO 24 POLES.



PRINTED CIRCUIT BOARD

TERMINAL BLOCKS

SINGLE LEVEL • 90° • PITCH: 3.50 MM

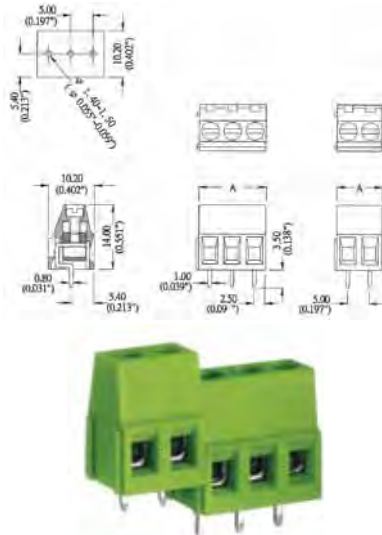


TECHNICAL

TERMINAL:	BRASS, TIN PLATED
WIRE PROTECTOR:	STAINLESS STRIP STEEL
INSULATING BODY:	POLYESTER
SCREW:	M2.0, STEEL, CHROMATIZED
COLOR:	BLACK
OPERATION TEMPERATURE:	-33°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 200°C (+392°F)
CURRENT RATING:	6 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC1500V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	16 - 26 AWG
SCREWS TORQUE:	2.5 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-212-350M2	2	7.00	0.276
T-212-350M3	3	10.50	0.413

SINGLE LEVEL • 90° • PITCH: 5.00 MM

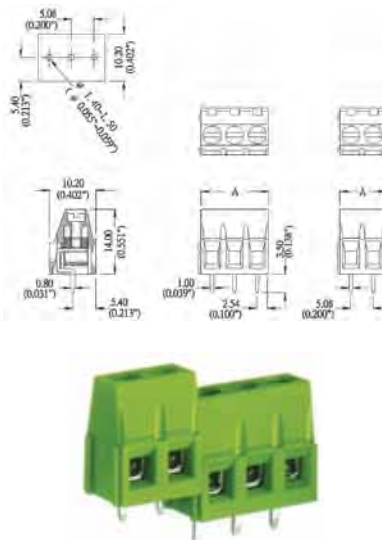


TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.8T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM - φ 1.5 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	5.0 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-312-500M2	2	10.00	0.394
T-312-500M3	3	15.00	0.591

SINGLE LEVEL • 90° • PITCH: 5.08 MM



TECHNICAL

TERMINAL:	BRASS, NI PLATED
WIRE PROTECTOR:	BRASS, TIN PLATED, 0.8T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM - φ 1.5 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	5.0 LB-INCH

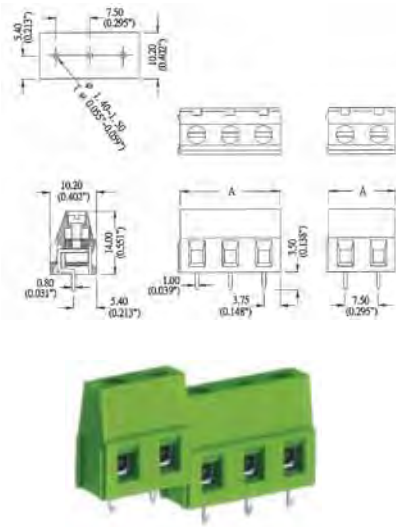
ITEM NO.	POLES	A (MM)	A (INCH)
T-312-508M2	2	10.16	0.400
T-312-508M3	3	15.24	0.600



PRINTED CIRCUIT BOARD

TERMINAL BLOCKS

SINGLE LEVEL • 90° • PITCH: 7.50 MM

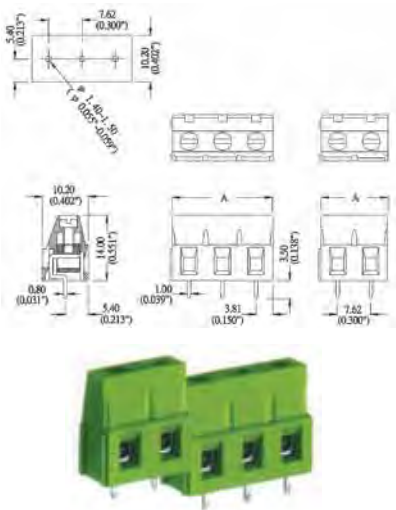


TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.8T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM - φ 1.5 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	5.0 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-312-750M2	2	15.00	0.591
T-312-750M3	3	22.50	0.886

SINGLE LEVEL • 90° • PITCH: 7.62 MM

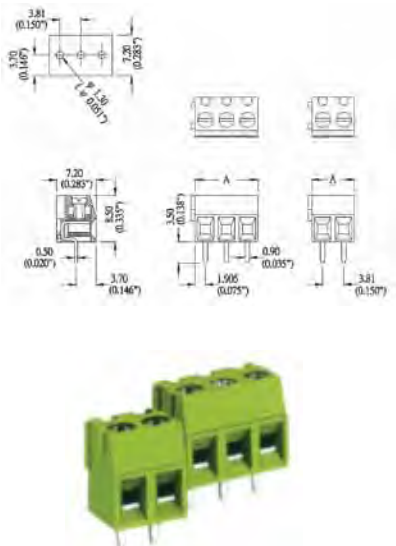


TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.8T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM - φ 1.5 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	5.0 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-312-762M2	2	15.24	0.600
T-312-762M3	3	22.86	0.900

SINGLE LEVEL • 90° • PITCH: 3.81 MM



TECHNICAL

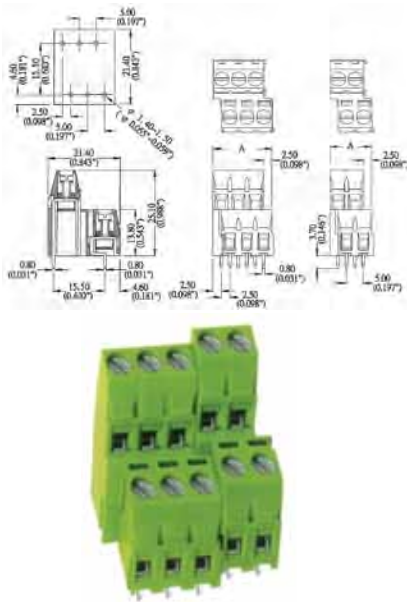
CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.5T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.0, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 200°C (+392°F)
CURRENT RATING:	8 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.3
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	16 - 26 AWG
SCREWS TORQUE:	2.5 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-332-381M2	2	7.62	0.300
T-332-381M3	3	11.43	0.450

PRINTED CIRCUIT BOARD

TERMINAL BLOCKS

DOUBLE LEVEL • 90° • PITCH: 5.00 MM

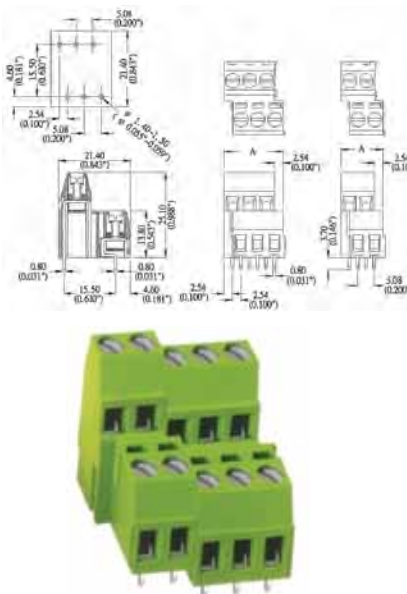


TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.8T
INSULATING	BODY: POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM - φ 1.5 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	4.5 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-362-500M2	2	12.50	0.492
T-362-500M3	3	17.50	0.689

DOUBLE LEVEL • 90° • PITCH: 5.08 MM



TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.8T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PCB HOLE DIAMETER:	φ 1.4 MM - φ 1.5 MM
WIRE STRIP LENGTH:	4MM - 5MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	4.5 LB-INCH

ITEM NO.	POLES	A (MM)	A (INCH)
T-362-508M2	2	12.70	0.500
T-362-508M3	3	17.78	0.700



PRINTED CIRCUIT BOARD

PLUGS

PLUGS • 180°

TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
CONTACT:	PHOSPHOR BRONZE, TIN PLATED, 0.4T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M3.0, STEEL, ZINC PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
WIRE STRIP LENGTH:	4 MM - 5 MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	4.5 LB-INCH

PITCH: 5.00 MM

ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-100-50002	2	10.00	0.394	P-100-50009	9	45.00	1.772
P-100-50003	3	15.00	0.591	P-100-50010	10	50.00	1.969
P-100-50004	4	20.00	0.787	P-100-50011	11	55.00	2.165
P-100-50005	5	25.00	0.984	P-100-50012	12	60.00	2.362
P-100-50006	6	30.00	1.181				
P-100-50007	7	35.00	1.378	P-100-50024	24	120.00	4.724
P-100-50008	8	40.00	1.575				

PITCH: 5.08 MM

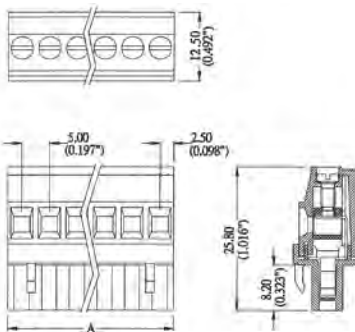
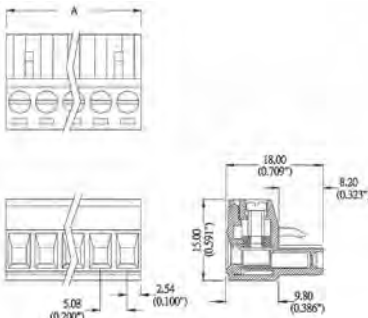
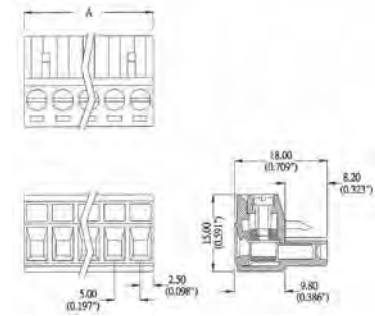
ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-100-50802	2	10.16	0.400	P-100-50809	9	45.72	1.800
P-100-50803	3	15.24	0.600	P-100-50810	10	50.80	2.000
P-100-50804	4	20.32	0.800	P-100-50811	11	55.88	2.200
P-100-50805	5	25.40	1.000	P-100-50812	12	60.96	2.400
P-100-50806	6	30.48	1.200				
P-100-50807	7	35.56	1.400	P-100-50824	24	121.92	4.800
P-100-50808	8	40.64	1.600				

PLUGS • 90° • PITCH: 5.00 MM

TECHNICAL

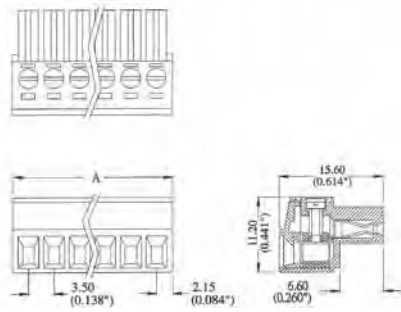
CAGE CLAMP:	BRASS, NI PLATED
CONTACT:	PHOSPHOR BRONZE, TIN PLATED, 0.4T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, ZINC PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
WIRE STRIP LENGTH:	7 MM
WIRE RANGE:	14 - 24 AWG
SCREWS TORQUE:	4.5 LB-INCH

ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-200-50002	2	10.00	0.394	P-200-50009	9	45.00	1.772
P-200-50003	3	15.00	0.591	P-200-50010	10	50.00	1.969
P-200-50004	4	20.00	0.787	P-200-50011	11	55.00	2.165
P-200-50005	5	25.00	0.984	P-200-50012	12	60.00	2.362
P-200-50006	6	30.00	1.181				
P-200-50007	7	35.00	1.378	P-200-50024	24	120.00	4.724
P-200-50008	8	40.00	1.575				



PRINTED CIRCUIT BOARD

PLUGS

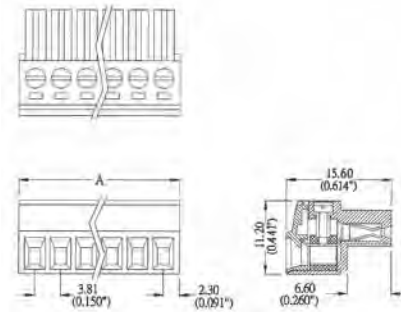


PLUGS • 180° • PITCH: 3.50 MM

TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
CONTACT:	PHOSPHOR BRONZE, TIN PLATED, 0.3T
INSULATING BODY:	POLYAMIDE66 (UL94V-O)
SCREW:	M2.0, STEEL, ZINC
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	10 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
WIRE STRIP LENGTH:	6.5 MM
WIRE RANGE:	16 - 26 AWG
SCREWS TORQUE:	2.5 LB-INCH

ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-420-35002	2	7.80	0.307	P-420-35009	9	32.30	1.272
P-420-35003	3	11.30	0.445	P-420-35010	10	35.80	1.409
P-420-35004	4	14.80	0.583	P-420-35011	11	39.30	1.547
P-420-35005	5	18.30	0.720	P-420-35012	12	42.80	1.685
P-420-35006	6	21.80	0.858	P-420-35013	13	46.30	1.823
P-420-35007	7	25.30	0.996	P-420-35014	14	49.80	1.961
P-420-35008	8	28.80	1.134				



PLUGS • 180° • PITCH: 3.81 MM

TECHNICAL

CAGE CLAMP:	BRASS, NI PLATED
CONTACT:	PHOSPHOR BRONZE, TIN PLATED, 0.3T
INSULATING BODY:	POLYAMIDE66 (UL94V-O)
SCREW:	M2.0, STEEL, ZINC
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	10 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
WIRE STRIP LENGTH:	6.5 MM
WIRE RANGE:	16 - 26 AWG
SCREWS TORQUE:	2.5 LB-INCH

ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-420-38102	2	8.41	0.331	P-420-38109	9	35.08	1.381
P-420-38103	3	12.22	0.481	P-420-38110	10	38.89	1.531
P-420-38104	4	16.03	0.631	P-420-38111	11	42.70	1.681
P-420-38105	5	19.84	0.781	P-420-38112	12	46.51	1.831
P-420-38106	6	23.65	0.931				
P-420-38107	7	27.46	1.081	P-420-38116	16	61.75	2.431
P-420-38108	8	31.27	1.231				



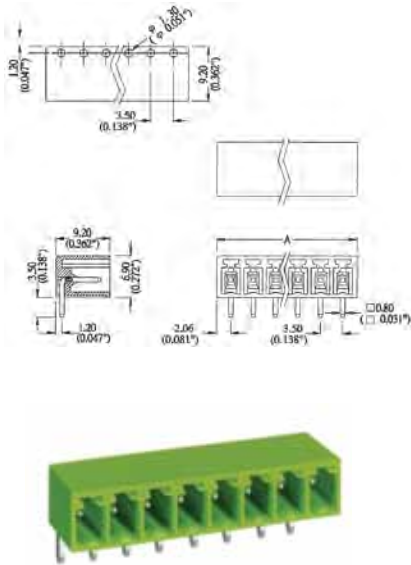
PRINTED CIRCUIT BOARD

HEADERS

HEADERS • CLOSED 90° • PITCH: 3.50 MM

TECHNICAL

SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.3 MM

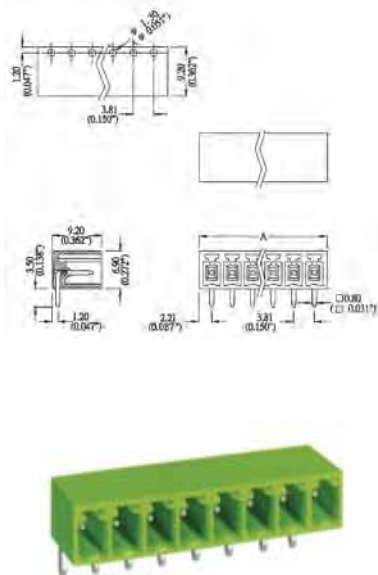


ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-030-35002	2	7.60	0.299	H-030-35009	9	32.10	1.264
H-030-35003	3	11.10	0.437	H-030-35010	10	35.60	1.402
H-030-35004	4	14.60	0.575	H-030-35011	11	39.10	1.539
H-030-35005	5	18.10	0.713	H-030-35012	12	42.60	1.677
H-030-35006	6	21.60	0.850	H-030-35013	13	46.10	1.815
H-030-35007	7	25.10	0.988	H-030-35014	14	49.60	1.953
H-030-35008	8	28.60	1.126				

HEADERS • CLOSED 90° • PITCH: 3.81 MM

TECHNICAL

SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.3 MM

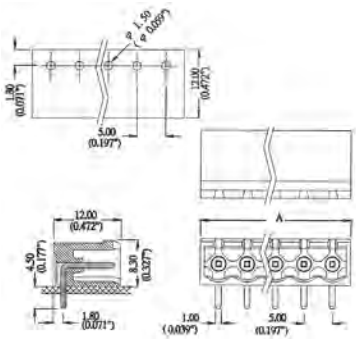


ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-030-38102	2	8.23	0.324	H-030-38109	9	34.90	1.374
H-030-38103	3	12.04	0.474	H-030-38110	10	38.71	1.524
H-030-38104	4	15.85	0.624	H-030-38111	11	42.52	1.674
H-030-38105	5	19.66	0.774	H-030-38112	12	46.33	1.824
H-030-38106	6	23.47	0.924				
H-030-38107	7	27.28	1.074	H-030-38116	16	61.57	2.424
H-030-38108	8	31.09	1.224				

PRINTED CIRCUIT BOARD

HEADERS

HEADERS • CLOSED 90° • PITCH: 5.00 MM

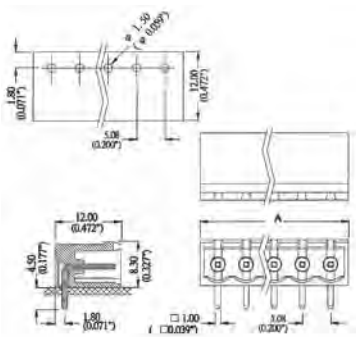


TECHNICAL

SOLDER PIN:	1.0 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.5 MM

ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-030-50002	2	11.60	0.457	H-030-50009	9	46.60	1.835
H-030-50003	3	16.60	0.654	H-030-50010	10	51.60	2.031
H-030-50004	4	21.60	0.850	H-030-50011	11	56.60	2.228
H-030-50005	5	26.60	1.047	H-030-50012	12	61.60	2.425
H-030-50006	6	31.60	1.244				
H-030-50007	7	36.60	1.441	H-030-50016	16	121.60	4.787
H-030-50008	8	41.60	1.638				

HEADERS • CLOSED 90° • PITCH: 5.08 MM



TECHNICAL

SOLDER PIN:	1.0 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.5 MM

ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-030-50802	2	11.76	0.463	H-030-50809	9	47.32	1.863
H-030-50803	3	16.84	0.663	H-030-50810	10	52.40	2.063
H-030-50804	4	21.92	0.863	H-030-50811	11	57.48	2.263
H-030-50805	5	27.00	1.063	H-030-50812	12	62.56	2.463
H-030-50806	6	32.08	1.263				
H-030-50807	7	37.16	1.463	H-030-50816	16	123.52	4.863
H-030-50808	8	42.24	1.663				



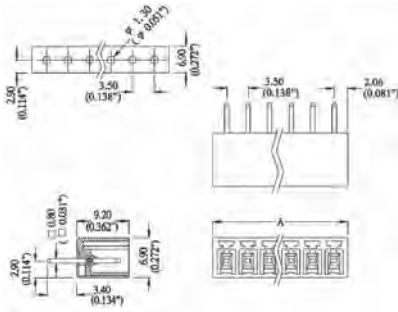
PRINTED CIRCUIT BOARD

HEADERS

HEADERS • CLOSED 180° • PITCH: 3.50 MM

TECHNICAL

SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.3 MM

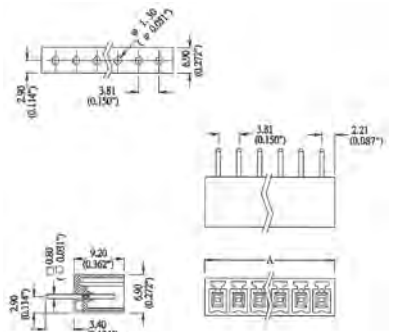


ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-040-35002	2	7.60	0.299	H-040-35009	9	32.10	1.264
H-040-35003	3	11.10	0.437	H-040-35010	10	35.60	1.402
H-040-35004	4	14.60	0.575	H-040-35011	11	39.10	1.539
H-040-35005	5	18.10	0.713	H-040-35012	12	42.60	1.677
H-040-35006	6	21.60	0.850	H-040-35013	13	46.10	1.815
H-040-35007	7	25.10	0.988	H-040-35014	14	49.60	1.953
H-040-35008	8	28.60	1.126				

HEADERS • CLOSED 180° • PITCH: 3.81 MM

TECHNICAL

SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.3 MM



ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-040-38102	2	8.23	0.324	H-040-38109	9	34.90	1.374
H-040-38103	3	12.04	0.474	H-040-38110	10	38.71	1.524
H-040-38104	4	15.85	0.624	H-040-38111	11	42.52	1.674
H-040-38105	5	19.66	0.774	H-040-38112	12	46.33	1.824
H-040-38106	6	23.47	0.924				
H-040-38107	7	27.28	1.074	H-040-38116	16	61.57	2.424
H-040-38108	8	31.09	1.224				

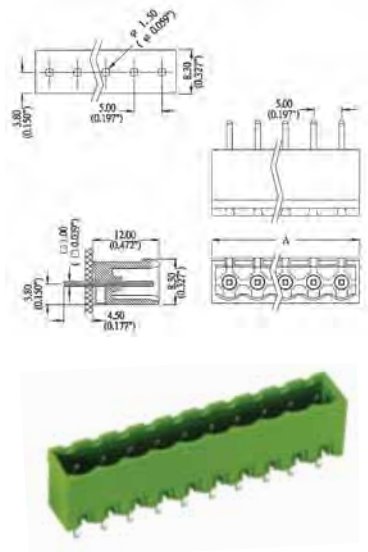
PRINTED CIRCUIT BOARD

HEADERS

HEADERS • CLOSED 180° • PITCH: 5.00 MM

TECHNICAL

SOLDER PIN:	1.0 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-O)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.5 MM

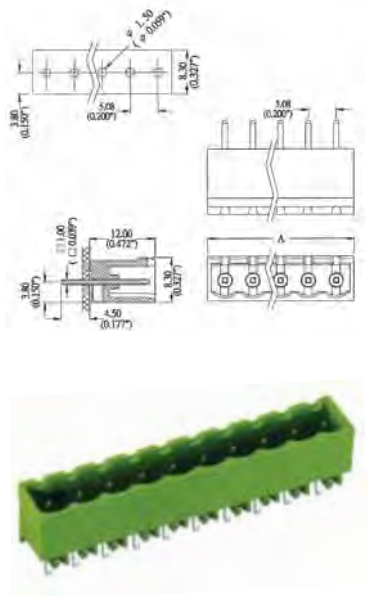


ITEM NO.	POLES	A (MM)	A (INCH)	ITEM NO.	POLES	A (MM)	A (INCH)
H-040-50002	2	11.60	0.457	H-040-50009	9	46.60	1.835
H-040-50003	3	16.60	0.654	H-040-50010	10	51.60	2.031
H-040-50004	4	21.60	0.850	H-040-50011	11	56.60	2.228
H-040-50005	5	26.60	1.047	H-040-50012	12	61.60	2.425
H-040-50006	6	31.60	1.244				
H-040-50007	7	36.60	1.441	H-040-50016	16	121.60	4.787
H-040-50008	8	41.60	1.638				

HEADERS • CLOSED 180° • PITCH: 5.08 MM

TECHNICAL

SOLDER PIN:	1.0 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-O)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER:	φ 1.5 MM



ITEM NO.	POLES	A (MM)	A (INCH)	ITEM NO.	POLES	A (MM)	A (INCH)
H-040-50802	2	11.76	0.463	H-040-50809	9	47.32	1.863
H-040-50803	3	16.84	0.663	H-040-50810	10	52.40	2.063
H-040-50804	4	21.92	0.863	H-040-50811	11	57.48	2.263
H-040-50805	5	27.00	1.063	H-040-50812	12	62.56	2.463
H-040-50806	6	32.08	1.263				
H-040-50807	7	37.16	1.463	H-040-50816	16	123.52	4.863
H-040-50808	8	42.24	1.663				



SCREWDRIVERS

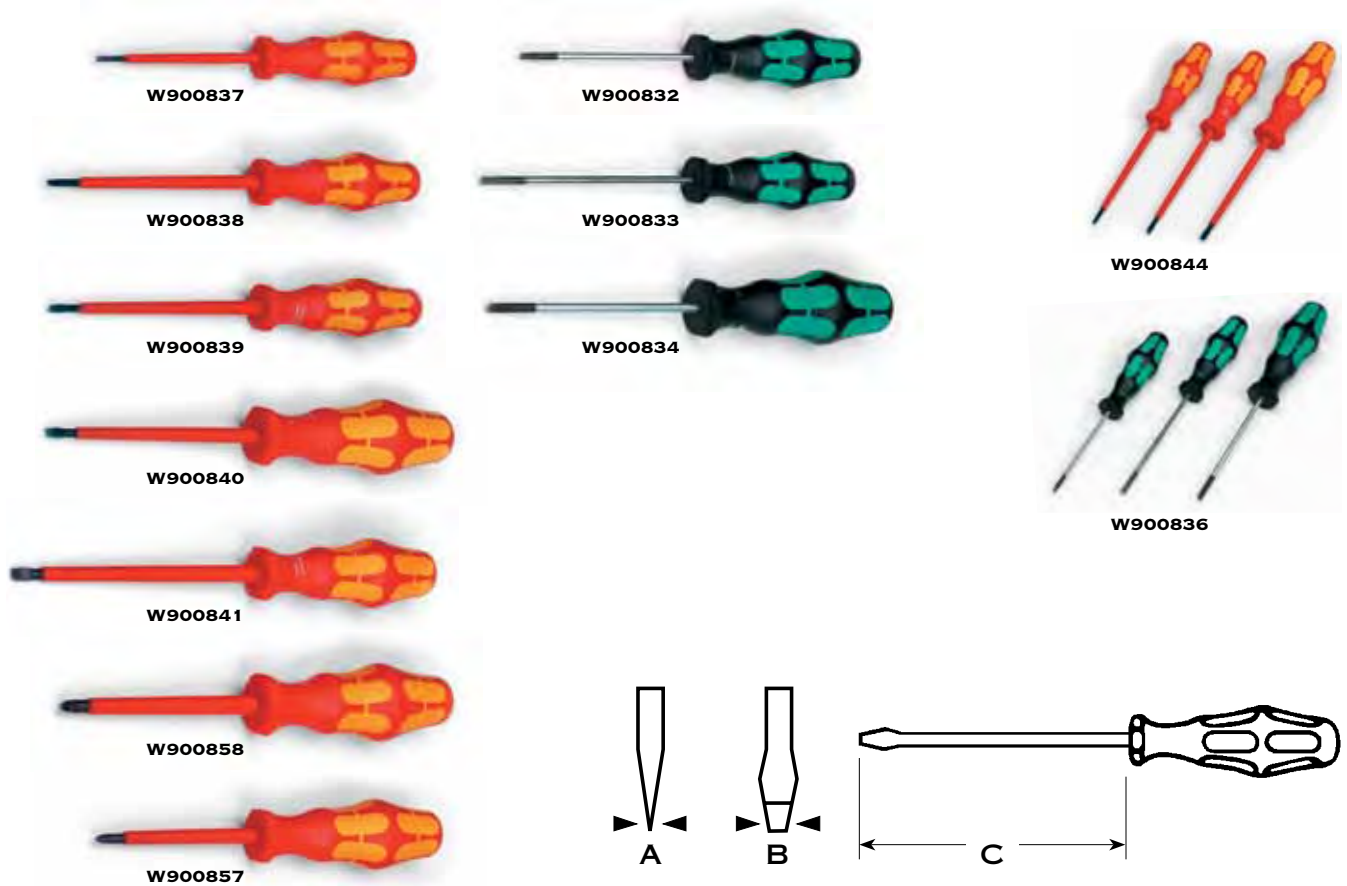
THE ERGONOMIC DESIGN OF OUR SCREWDRIVER HANDLES EFFICIENTLY HELP TO PROVIDE THE PROPER TIGHTENING TORQUE FOR YOUR TERMINAL BLOCK APPLICATION. INSULATION IS RATED AT 10,000V FOR YOUR SAFETY. THE TIPS OF OUR SCREWDRIVERS ARE MADE OF HARDENED STEEL FOR A LONGER TOOL LIFE.



SCREWDRIVERS FOR TERMINAL BLOCKS

FEATURES

- ERGONOMIC HANDLE PROVIDES PROPER TIGHTENING TORQUE
- IMPACT RESISTANT MATERIAL USED TO PROVIDE LONG LASTING USE
- INSULATION SLEEVE PROVIDES ISOLATION UP TO 10,000 V
- APPROVALS: DIN - VDE 0680/2, ISO, IEC 900, EN 60900



DESCRIPTION	PART NO.	A (MM)	B (MM)	C (MM)
INSULATED SCREWDRIVERS	W900837	0.4	2.5	80
	W900838	0.5	3.0	100
	W900839	0.6	3.5	100
	W900840	0.8	4.0	100
	W900841	1.0	5.5	125
KIT FOR INSULATED SCREWDRIVERS (3)	W900844 (INCLUDES ONE OF EACH: W900838, W900839, W900840)			
NON-INSULATED SCREWDRIVERS	W900832	0.5	3.0	80
	W900833	0.6	3.5	100
	W900834	0.8	4.0	100
KIT FOR NON-INSULATED SCREWDRIVERS (3)	W900836 (INCLUDES ONE OF EACH: W900832, W900833, W900834)			
INSULATED PHILLIPS SCREWDRIVER	W900858 (100 MM)			
NON-INSULATED PHILLIPS SCREWDRIVER	W900857 (80 MM)			



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PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
160	124	1160.36	173	3750.42	260	5650	211	8050.98	245	8300.25	243
164	124	1160.40	168	5200.07	209	5711	212	8051	243	8300.29	243
165	124	1160.42	173	5200.09	209	5716	212	8063.85	228	8300.32	243
1000.09	172	1160.48	173	5200.11	209	5717	212	8063.96	245	8300.40	243
1000.11	172	1160.50	168	5200.12	208	5720	212	8063.98	245	8706.08	262
1000.13	172	1160.63	168	5200.13	209	5721	212	8207	246	8707.08	263
1000.16	172	1160.75	168	5200.16	209	5725	212	8207.40	246	8708.08	262
1000.17	168	1183.17	216	5200.17	208	5729	212	8209	246	8709.08	263
1000.20	168	1183.20	216	5200.20	208	5732	212	8209.40	246	8710.08	262
1000.21	172	1183.25	216	5200.21	209	8000.06	242	8211	246	8711.08	263
1000.25	168	1183.32	216	5200.25	208	8000.08	242	8211.40	246	8712.08	262
1000.29	172	1400.11	191	5200.29	209	8000.080	242	8212	246	8713.08	263
1000.32	168	1400.16	191	5200.32	208	8000.085	242	8212.40	246	8716.08	263
1000.36	172	1400.17	191	5200.40	208	8000.095	242	8213	246	8717.08	262
1000.40	168	1400.20	191	5210.07	209	8000.10	242	8213.40	246	8720.08	262
1000.42	172	1400.21	191	5210.09	209	8000.100	242	8216	246	8721.08	263
1000.48	172	1400.25	191	5210.11	209	8000.105	242	8216.40	246	8725.08	262
1000.50	168	1807.02	197	5210.12	208	8000.115	242	8217	246	8729.08	263
1000.63	168	1809.02	197	5210.13	209	8000.12	242	8217.40	246	8732.08	262
1000.75	168	1811.02	197	5210.16	209	8000.17	242	8220	246	8736.08	263
1007.52	192	1812.02	197	5210.17	208	8000.20	242	8220.40	246	8740.08	262
1008.52	192	1813.02	197	5210.20	208	8000.25	242	8221	246	8742.08	263
1009.52	192	1816.02	197	5210.21	209	8000.32	242	8221.40	246	8745.12	263
1010.52	192	1817.02	197	5210.25	208	8000.40	242	8225	246	8745.17	263
1011.52	192	1820.02	197	5210.29	209	8000.50	242	8225.40	246	8745.20	263
1012.52	192	1821.02	197	5210.32	208	8000.63	242	8229	246	8745.25	263
1013.51	192	1825.02	197	5210.40	208	8000.75	242	8229.40	246	8745.32	263
1013.52	192	1829.02	197	5215.07	210	8007	242	8232	246	8745.40	263
1016.51	192	1832.02	197	5215.09	210	8007.85	228	8232.40	246	8745.50	263
1016.52	192	1836.02	197	5215.11	210	8007.96	245	8236	246	8745.63	263
1017.52	192	1840.02	197	5215.12	210	8008.85	228	8236.40	246	8748.08	263
1020.51	192	3409.07	258	5215.13	210	8008.96	245	8240	246	8750.08	262
1020.52	192	3411.07	258	5215.16	210	8008.98	245	8240.40	246	8763.08	262
1021.51	192	3411.09	258	5215.17	210	8009	242	8242	246	8775.08	262
1025.52	192	3413.09	258	5215.20	210	8009.85	228	8242.40	246	8807	266
1060.09	171	3413.11	258	5215.21	210	8009.96	245	8245.07	247	8809	266
1060.11	171	3416.09	258	5215.25	210	8010.85	228	8245.09	247	8811	266
1060.13	171	3416.11	258	5215.29	210	8010.96	245	8245.11	247	8813	266
1060.16	171	3416.13	258	5215.32	210	8010.98	245	8245.12	247	8816	266
1060.17	166	3417.09	260	5215.40	210	8011	242	8245.13	247	8821	266
1060.20	166	3420.11	260	5509	213	8011.85	228	8245.16	247	8829	266
1060.21	171	3421.13	258	5513	213	8011.96	245	8245.17	247	8836	266
1060.25	166	3421.16	258	5516	213	8012.85	228	8245.20	247	8842	266
1060.29	171	3425.16	260	5516.10	213	8012.96	245	8245.21	247	8845.12	266
1060.32	166	3429.21	258	5516.12	213	8012.98	245	8245.25	247	8845.17	266
1060.36	171	3436.29	258	5516.13	213	8013	242	8245.29	247	8845.20	266
1060.40	166	3440.29	260	5517	213	8013.85	228	8245.32	247	8845.25	266
1060.42	171	3450.36	260	5520	213	8013.96	245	8245.36	247	8845.32	266
1060.48	171	3463.48	260	5520.11	241	8016	242	8245.40	247	8845.40	266
1060.50	166	3509.07	249	5520.16	241	8016.85	228	8245.42	247	8845.50	266
1060.63	166	3511.07	249	5520.21	241	8016.96	245	8245.48	247	8845.63	266
1060.75	166	3511.09	249	5520.29	241	8017.85	228	8245.50	247	8848.48	266
1083.17	216	3513.07	249	5520.36	241	8017.96	245	8245.63	247	8855.12	266
1083.20	216	3513.09	249	5521	213	8017.98	245	8248.48	246	8855.17	266
1083.25	216	3513.11	249	5521.10	213	8020.85	228	8250	246	8855.20	266
1083.32	216	3516.09	249	5525	213	8020.96	245	8250.40	246	8855.25	266
1100.09	174	3516.11	249	5529	213	8020.98	245	8255.07	247	8855.32	266
1100.11	174	3516.13	249	5529.10	213	8021	242	8255.09	247	8855.40	266
1100.13	174	3521.11	249	5532	213	8021.85	228	8255.11	247	8855.50	266
1100.16	174	3521.13	249	5536	213	8021.96	245	8255.12	247	8855.63	266
1100.17	170	3521.16	249	5536.10	213	8025.85	228	8255.13	247	16140	124
1100.20	170	3529.13	249	5540	213	8025.96	245	8255.16	247	16240	124
1100.21	174	3529.16	249	5540.11	241	8025.98	245	8255.17	247	16340	124
1100.25	170	3529.21	249	5540.16	241	8029	242	8255.20	247	19414	159
1100.29	174	3536.21	249	5540.21	241	8029.85	228	8255.21	247	19418	159
1100.32	170	3536.29	249	5540.29	241	8029.96	245	8255.25	247	19419	159
1100.36	174	3542.29	249	5540.36	241	8032.85	228	8255.29	247	19420	159
1100.40	170	3542.36	249	5550	213	8032.96	245	8255.32	247	19421	159
1100.42	174	3548.42	255	5563	213	8032.98	245	8255.36	247	19422	159
1100.48	174	3707.09	259	5607	211	8036	242	8255.40	247	19423	159
1100.50	170	3709.11	259	5609	211	8036.85	228	8255.42	247	19429	159
1100.63	170	3711.13	259	5611	211	8036.96	245	8255.48	247	19440	159
1100.75	170	3712.09	260	5612	211	8040.85	228	8255.50	247	101050	120
1160.09	173	3713.16	259	5613	211	8040.96	245	8255.63	247	101075	120
1160.11	173	3716.21	259	5616	211	8040.98	245	8300.07	243	101100	120
1160.13	173	3720.13	260	5617	211	8042	242	8300.09	243	101150	120
1160.16	173	3720.16	260	5620	211	8042.85	228	8300.11	243	101250	120
1160.17	168	3721.29	259	5621	211	8048	243	8300.12	243	102050	120
1160.20	168	3725.21	260	5625	211	8048.48	242	8300.13	243	102075	120
1160.21	173	3729.36	259	5629	211	8048.85	228	8300.16	243	102100	120
1160.25	168	3732.29	260	5632	211	8050	243	8300.17	243	102150	120
1160.29	173	3736.42	259	5636	211	8050.85	228	8300.20	243	102250	120
1160.32	168	3742.48	259	5640	211	8050.96	245	8300.21	243	103050	120

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103150	120	1382015	121	11202700	119	122010150	122	1000.11/2NPT.410	175	1000.25.85.160	226
103250	120	1382050	121	11203500	119	122010250	122	1000.11/4NPT	175	1000.25.85.190	226
161025	124	1382075	121	11203700	119	122010400	122	1000.11/4NPT.240	175	1000.25.91.205	177
161050	124	1617050	125	11221250	119	123211500	123	1000.11/4NPT.285	175	1000.25.92	177
162025	124	1617400	125	11222250	119	123211850	123	1000.11/4NPT.330	175	1000.25.98.30.03	267
162050	124	1627050	125	11223250	119	123811500	123	1000.115.30.03	267	1000.29.190	172
163025	124	1627400	125	11251350	119	124011850	123	1000.115.950	167	1000.29.230	172
163050	124	2561000	155	11251500	119	1000.06.025	167	1000.12.050	167	1000.29.275	172
1161010	118	2561100	155	11251950	119	1000.06.030	167	1000.12.065	167	1000.29.30	185
1161014	118	2563000	155	11252350	119	1000.06.035	167	1000.12.080	167	1000.29.30.03	267
1161015	118	2563100	155	11252500	119	1000.06.30	185	1000.12.30	185	1000.29.30.91	186
1161050	118	2564000	155	11252950	119	1000.06.30.03	267	1000.12.30.03	267	1000.29.40.30	185
1162010	118	2564100	155	11253350	119	1000.06.30.91	186	1000.12.30.91	186	1000.29.40.30.91	186
1162014	118	11101010	118	11253500	119	1000.06.91.025	177	1000.12.91.050	177	1000.29.85.220	227
1162015	118	11101015	118	11253950	119	1000.06.91.030	177	1000.12.91.065	177	1000.29.85.250	227
1162034	118	11101050	118	11271700	119	1000.06.91.035	177	1000.12.91.080	177	1000.29.91.275	179
1162050	118	11101075	118	11272700	119	1000.06.98.30.03	267	1000.12.98.30.03	267	1000.29.92	179
1162075	118	11102010	118	11273700	119	1000.07.050	172	1000.13.080	172	1000.29.98.30.03	267
1163010	118	11102015	118	11610025	118	1000.07.065	172	1000.13.110	172	1000.2G	176
1163014	118	11102040	118	11620025	118	1000.07.080	172	1000.13.150	172	1000.2NPT	175
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3455.13.17	261	3500.50.32	248	355 619	45	361G.29.08	256	401 173	102	446 429	76
3455.13.20	261	3500.50.40	248	355 629	45	362 009	39	401 174	102	446 439	76
3455.16.20	261	3500.63.36	252	355 719	87	3621.29.08	251	401 180	102	446 442 T	56
3455.17.12	258	3500.63.40	248	355 729	87	36213/4G.08	255	401 181	102	446 442 T	57
3455.20.12	258	3500.63.50	248	355 739	87	3629.36.08	251	401 501	102	446 449	54
3455.20.17	258	3500.75.50	248	355 749	87	363 009	38	401 502	102	446 449	55
3455.21.25	261	3500.75.63	248	355 759	87	363 109	87	420 020	100	446 452 T	57
3455.25.12	258	351 109	44	355 769	87	363 209	89	420 120	100	446 459	55
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3455.29.32	261	351 219	45	355 819	89	363/8G.11.08	256	422 010	98	446 472 T	57
3455.32.12	258	351 229	45	355 829	89	3636.42.08	251	422 017	98	446 479	55
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3455.40.25	258	351/2G.09	255	360 119	36	364 080	96	422 037	99	446 529	63
3455.40.32	258	351/2NPT.09	256	360 129	39	364 089	97	422 039	99	446 539	63
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3500.07.10	253	353/4G.11	255	3600.10.12	250	3645.25.32	250	430 012	101	449 019	30
3500.08.06	248	353/4G.16	255	3600.10.17	250	3645.29.40	255	430 022	101	449 019	31
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3500.12.08	248	354 319	49	3600.20.13	252	375 602 - 375 692	41	444 139	23	450 049	97
3500.12.10	248	354 329	47	3600.20.16	252	375 603 - 375 693	41	444 139	37	450 059	37
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3500.13.17	253	354 519	47	3600.21.32	254	375 701 - 375 791	41	444 170	13	450 059	45
3500.16.12	253	354 519	49	3600.21.40	254	375 702 - 375 792	41	444 170	17	450 059	97
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3500.17.10	248	354 619	49	3600.29.50	254	375 803 - 375 893	41	444 429	21	450 069	89
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 - CABLE GLANDS
 - PRINTED CIRCUIT BOARD TERMINALS & CONNECTORS
 - SCREWDRIVERS



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