

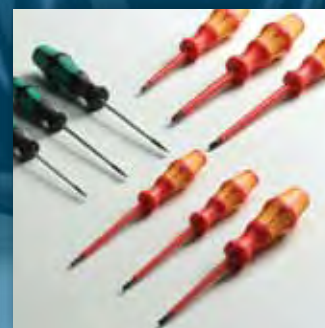
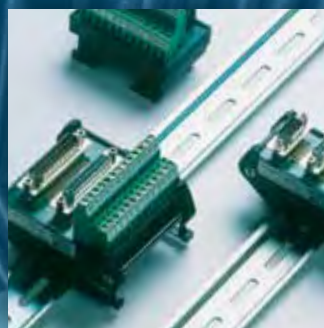
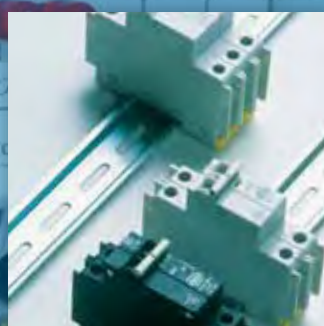


AMERICAN ELECTRICAL, INC. FULL LINE CATALOG

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.





TABLE OF CONTENTS



TERMINAL BLOCKS	6
AVK SERIES	10
PIK SERIES	28
PUK SERIES	34
ASK SERIES	36
PEK SERIES	50
WGT SERIES	52
PYK SERIES	54
YBK SERIES	72
PCY SERIES	96
TRV SERIES	98
PSK SERIES	100
TERMINAL BLOCK ACCESSORIES	102



WIRE FERRULES	116
INSULATED FERRULES	118
FERRULES ON STRIPS	120
FERRULES ON REELS	120
TWO WIRE FERRULES	121
UNINSULATED FERRULES	122
ASSORTMENT BOXES	124



TOOLS	132
WIRE FERRULE HAND CRIMPING TOOLS	133
CRIMP MAX MC 25	136
PNEUMATIC CRIMPERS	138
AUTOMATIC WIRE CUTTER	139



DIN RAIL	140
STEEL DIN RAIL	141
ALUMINUM DIN RAIL	142
DIN RAIL CUTTER	142



DIN RAIL MOUNTED POWER SUPPLIES	143
--	-----



DIN RAIL MOUNTED CIRCUIT BREAKERS	151
UL 1077 RATED	152
UL 489 RATED	152
UL 489A RATED	153



DIN RAIL MOUNTED FUSE HOLDERS	154
--	-----



DIN RAIL MOUNTED INTERFACE MODULES	156
---	-----



DIN RAIL MOUNTED DISCONNECT SWITCHES	158
---	-----



CABLE GRIPS	161
NICKEL-PLATED BRASS	166
NYLON	132
LOCK NUTS	246
REDUCERS	250
LOCKING PLUGS	264
O RINGS	270



PRINTED CIRCUIT BOARDS	276
TERMINAL BLOCKS	277
PLUGS	280
HEADERS	282



SCREWDRIVERS	286
-------------------------------	-----

ALPHA-NUMERIC INDEX	288
--------------------------------------	-----

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.





TABLE OF CONTENTS - CABLE GRIPS

NICKEL-PLATED BRASS



METRIC	166-170; 202
PG	171-174; 203
NPT	175
GAS THREADS	175
HIGH TEMPERATURE APPLICATIONS	177-180
MULTIPLE CABLES	181-184
NO DRILLED HOLES	185-186
FLAT CABLES	187-189



SPECIAL ENTRY THREAD	190-191
--------------------------------	---------



ANTI-KINK/NOZZLE/SPRING/CLAMPS	190-197
--	---------



TRUMPET	198-201
-------------------	---------



STAINLESS STEEL	202-205
STAINLESS STEEL ACID RESISTANT	206-207



ELBOWS	208-211
------------------	---------



45 DEGREE	212-213
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DIN 46320-C4-MS	214
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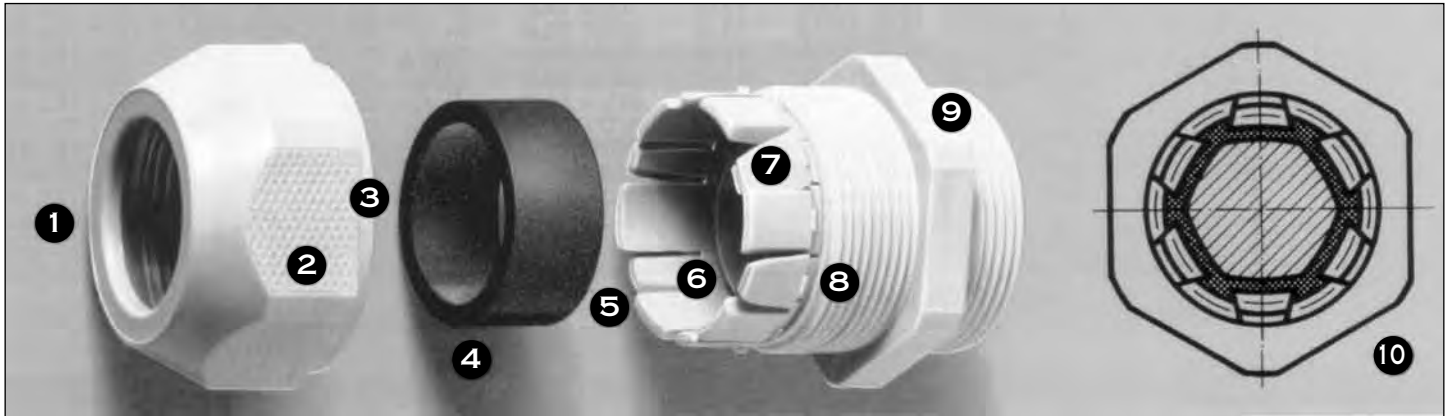
ANTI-KINK NOZZLE AND CLAMPS	215
---------------------------------------	-----



ELECTRO-MAGNETIC COMPATIBILITY (EMC) - SHIELD GROUNDING	216-229
--	---------

TABLE OF CONTENTS - CABLE GRIPS

NYLON	
	NYLON NEOPRENE SEAL -30-100°C 230-235
	ANTI-KINK.....236-239
	ELBOWS 240-241
LOCKNUTS 242-247	
	
REDUCERS / ENLARGERS / ADAPTERS	
	NICKLE-PLATED BRASS 248-257
	NYLON 258-261
LOCKING PLUGS 262-266	
	
O RINGS 268-271	
	
CROSS REFERENCE HEYCO AND OLFLEX 272-273	



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

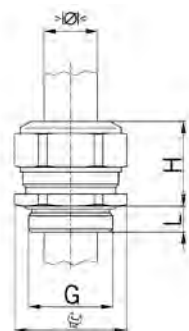
- THE USE OF SYNTHETIC - CABLE GRIPS IS ALMOST UNLIMITED WITHIN THE ELECTRICAL AND ELECTRONICS INDUSTRY. INSTALLATIONS WHERE CABLES MUST BE LED SAFELY THROUGH A WALL OF AN ENCLOSURE WILL BE SPECIFIED WITH CABLE GRIPS. SYNTHETIC CABLE GRIPS ARE SPECIFIED TO:
 - SECURE THE CABLE** TO THE ENCLOSURE'S WALL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

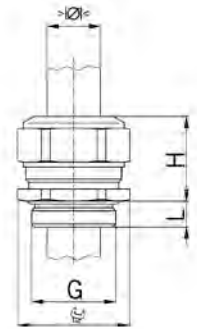


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	Part. no.	
M16x1.5	6.0	10.5	18	22	5	1060.17	50
M20x1.5	8.0	14.5	24	23	6	1060.20	50
M25x1.5	12.5	19.0	30	28	7	1060.25	25
M32x1.5	17.0	25.5	36	28	8	1060.32	25
M40x1.5	24.0	33.0	46	31	8	1060.40	10
M50x1.5	33.0	42.0	55	34	9	1060.50	10
M63x1.5	40.0	52.0	70	37	10	1060.63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

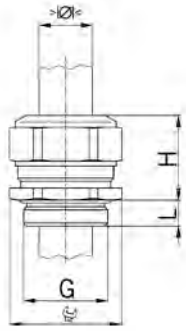


1 = METRIC COARSE-PITCH THREAD



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

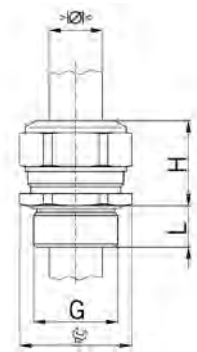


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	10	1160.17	50
M20x1.5	8.0	14.5	24	23	10	1160.20	50
M25x1.5	12.5	19.0	30	28	11	1160.25	25
M32x1.5	17.0	25.5	36	28	13	1160.32	25
M40x1.5	24.0	33.0	46	31	13	1160.40	10
M50x1.5	33.0	42.0	55	34	14	1160.50	10
M63x1.5	40.0	52.0	70	37	14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

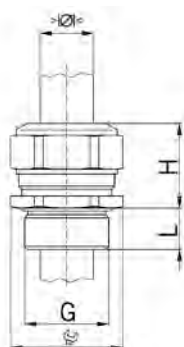


1 = METRIC COARSE-PITCH THREAD



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

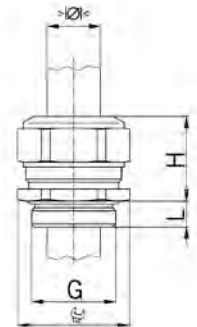


G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	18	22	10	1100.17	50
M20x1.5	8.0	15.0	24	23	10	1100.20	50
M25x1.5	12.5	20.5	30	28	11	1100.25	25
M32x1.5	17.0	25.5	36	28	13	1100.32	25
M40x1.5	24.0	33.0	46	31	13	1100.40	10
M50x1.5	33.0	42.0	55	34	14	1100.50	10
M63x1.5	40.0	52.0	70	37	14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

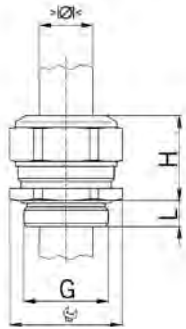
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	6.0	1060.09	50
Pg 11	5.5	12.0	21	21	6.0	1060.11	50
Pg 13	8.0	14.5	24	23	6.0	1060.13	50
Pg 16	8.0	14.5	24	23	6.0	1060.16	50
Pg 21	12.5	19.0	30	28	7.5	1060.21	25
Pg 29	19.0	27.5	38	28	8.0	1060.29	25
Pg 36	26.0	35.0	50	32	8.0	1060.36	10
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

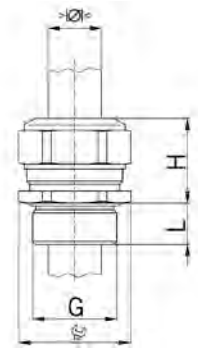


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	6.0	1000.09	50
Pg 11	5.5	12.0	21	21	6.0	1000.11	50
Pg 13	8.0	15.0	24	23	6.0	1000.13	50
Pg 16	8.0	15.0	24	23	6.0	1000.16	50
Pg 21	12.5	20.5	30	28	7.5	1000.21	25
Pg 29	19.0	27.5	38	28	8.0	1000.29	25
Pg 36	26.0	35.0	50	32	8.0	1000.36	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

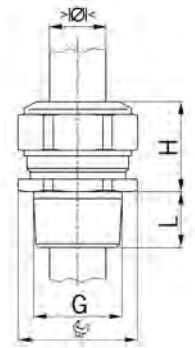


G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	22	10	1100.09	50
Pg 11	5.5	12.0	21	21	10	1100.11	50
Pg 13	8.0	15.0	24	23	10	1100.13	50
Pg 16	8.0	15.0	24	23	10	1100.16	50
Pg 21	12.5	20.5	30	28	12	1100.21	25
Pg 29	19.0	27.5	38	28	12	1100.29	25
Pg 36	26.0	35.0	50	32	15	1100.36	10
Pg 42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

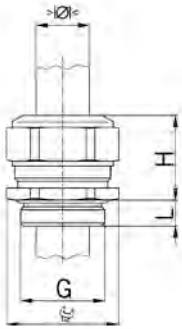
G	>Ø< min mm	>Ø< max mm	H mm	L mm	PART. NO.	
NPT 3/8"	6.0	10.5	18	22	12	1000.3/8NPT 50
NPT 1/2"	8.0	15.0	24	23	15	1000.1/2NPT 50
NPT 3/4"	12.5	20.5	30	28	15	1000.3/4NPT 25
NPT 1"	17.0	25.5	36	28	20	1000.1NPT 25
NPT 1 1/4"	24.0	33.0	46	31	20	1000.11/4NPT 10
NPT 1 1/2"	33.0	41.0	55	34	22	1000.11/2NPT 10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

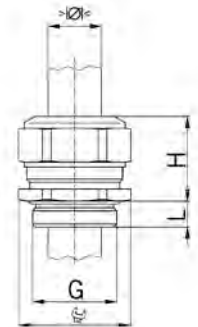
1 = ONE-PIECE SEALING INSERT

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

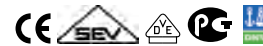
1 = METRIC COARSE-PITCH THREAD



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

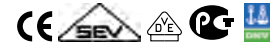


PROGRESS MS HT

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø 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

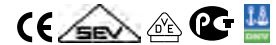
1 = METRIC COARSE-PITCH THREAD



PROGRESS MS HT

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø 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

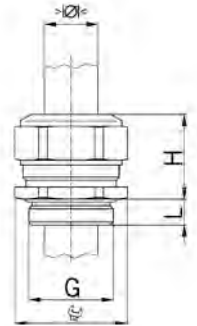


CABLE GLANDS NICKEL-PLATED BRASS

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

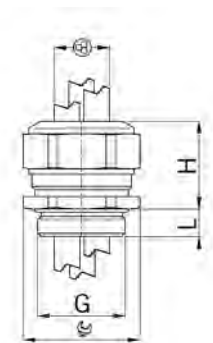
G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
PG 9	6.0	10.5	18	22	10	1100.09.92	50
PG 11	5.5	12.0	21	21	10	1100.11.92	50
PG 13	8.0	15.0	24	23	10	1100.13.92	50
PG 16	8.0	15.0	24	23	10	1100.16.92	50
PG 21	12.5	20.5	30	28	12	1100.21.92	25
PG 29	19.0	27.5	38	28	12	1100.29.92	25
PG 36	26.0	35.0	50	32	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



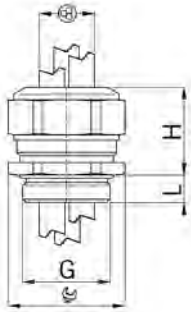
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.



CABLE GLANDS NICKEL-PLATED BRASS

FOR INSTALLATION OF MULTIPLE CABLES

LONG ENTRY THREAD METRIC

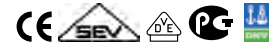


MATERIAL: NICKEL-PLATED BRASS
SEAL: TPE
O-RING: NBR
STRAIN RELIEF: ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



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

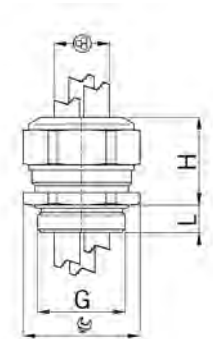
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.

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



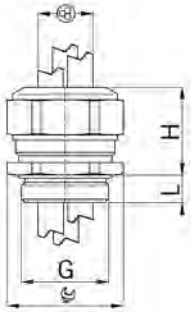
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.



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	$\begin{matrix} >0< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >0< \\ \text{max mm} \end{matrix}$			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

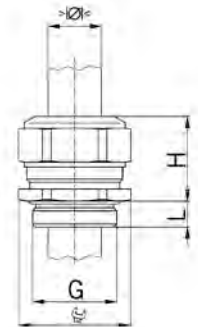
FURTHER VERSIONS AND LARGER ENTRY THREADS ARE AVAILABLE UPON REQUEST.

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.

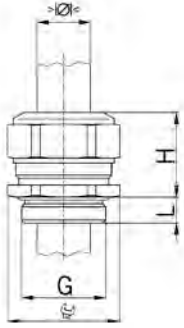




CABLE GLANDS NICKEL-PLATED BRASS

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

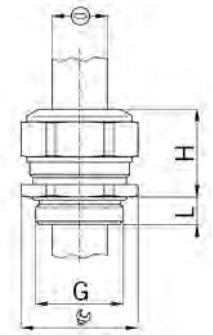
WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.

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

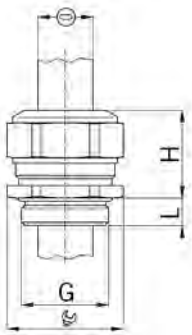




CABLE GLANDS NICKEL-PLATED BRASS

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						PART. NO.	
	min mm	max mm	mm	mm	mm		
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

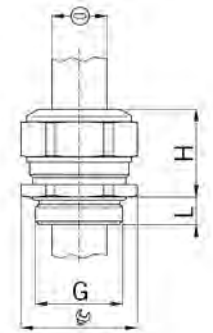


CABLE GLANDS NICKEL-PLATED BRASS

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

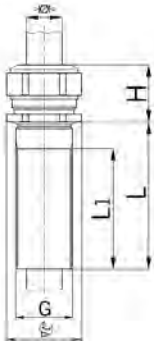




CABLE GLANDS NICKEL-PLATED BRASS

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

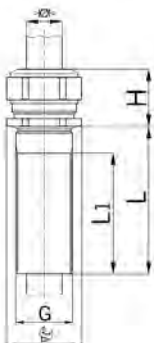
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	24/18	22	50	1100.17.50	10
M20x1.5	8.0	15.0	30/24	23	50	1100.20.50	10
M25x1.5	12.5	20.5	36/30	28	50	1100.25.50	10
M32x1.5	17.0	25.5	46/36	28	50	1100.32.50	10
M40x1.5	24.0	33.0	55/46	31	50	1100.40.50	10

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

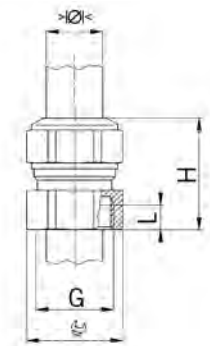
INNER THREAD METRIC

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	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	$\begin{array}{c} \varnothing \\ \text{mm} \end{array}$	H mm	L mm	PART. NO.	
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



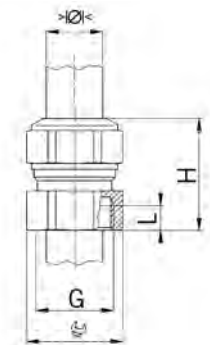
INNER THREAD PG

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	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	$\begin{array}{c} \varnothing \\ \text{mm} \end{array}$	H mm	L mm	PART. NO.	
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

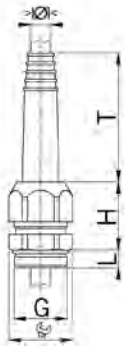




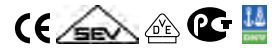
CABLE GLANDS NICKEL-PLATED BRASS

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

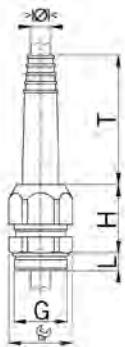


SHORT ENTRY THREAD METRIC / ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	>Ø< min mm	>Ø< max mm	Ø 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

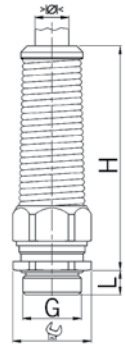
G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	T mm	L mm	PART. NO.	
Pg 7	4.0	6.0	16	20	35	6	1007.52	50
Pg 9	6.0	8.8	20	24	45	6	1009.52	50
Pg 11	6.0	8.8	20	24	45	6	1011.52	50
Pg 13	9.0	11.0	24	28	65	6	1013.51	25
Pg 13	10.5	13.0	24	28	75	6	1013.52	25
Pg 16	9.0	11.0	24	28	65	6	1016.51	25
Pg 16	10.5	13.0	24	28	75	6	1016.52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

CABLE GLANDS NICKEL-PLATED BRASS

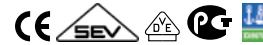
WITH ANTIKINK SPRING

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:

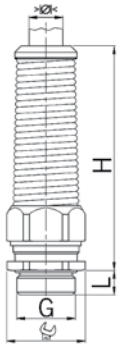
- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.



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:

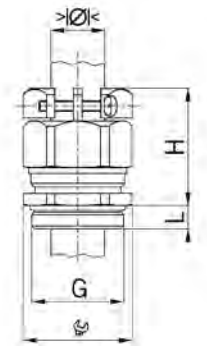
- SHORT ENTRY THREAD WITH SHORT ONE-PIECE OR TWO-PIECE SEALING INSERT.
- LONG ENTRY THREAD WITH SHORT OR FULL-LENGTH INSULATING ONE-PIECE OR TWO-PIECE SEALING INSERT.

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

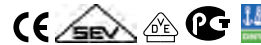
1 = METRIC COARSE-PITCH THREAD



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



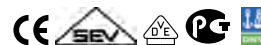
LONG ENTRY THREAD METRIC

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

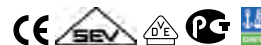
1 = METRIC COARSE-PITCH THREAD



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

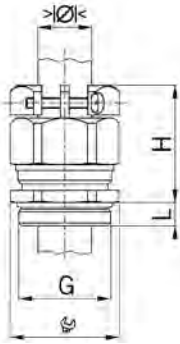




CABLE GLANDS NICKEL-PLATED BRASS

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

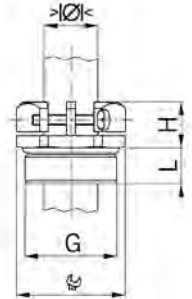
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18/19	30	10	1800.09.13.105	50
Pg 11	5.5	12.0	21	31	10	1800.11.13.120	50
Pg 13	8.0	15.0	24	31	10	1800.13.13.150	50
Pg 16	8.0	15.0	24	31	10	1800.16.13.150	50
Pg 21	12.5	20.5	30	35	12	1800.21.13.205	25
Pg 29	19.0	27.5	38	40	12	1800.29.13.275	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

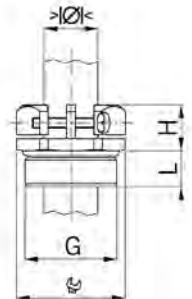
MECHANICAL STRAIN RELIEF B

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

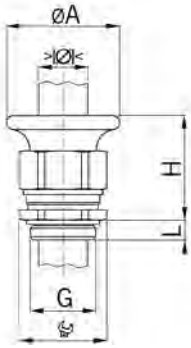




CABLE GLANDS NICKEL-PLATED BRASS

WITH TRUMPET

SHORT ENTRY THREAD METRIC

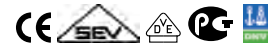


MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

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

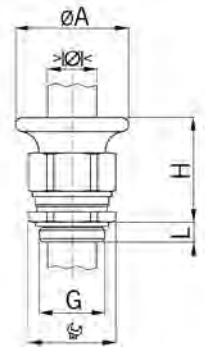


CABLE GLANDS NICKEL-PLATED BRASS

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

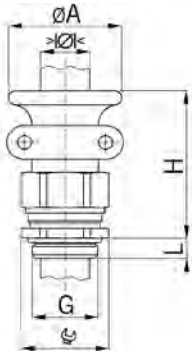




CABLE GLANDS NICKEL-PLATED BRASS

WITH TRUMPET / CLAMPS

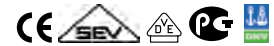
SHORT ENTRY THREAD METRIC



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	ϕ	ϕ	ϕ	ϕA	H	L	PART. NO.	
	min mm	max mm	mm	mm	mm	mm		
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	ϕ	ϕ	ϕ	ϕA	H	L	PART. NO.	
	min mm	max mm	mm	mm	mm	mm		
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

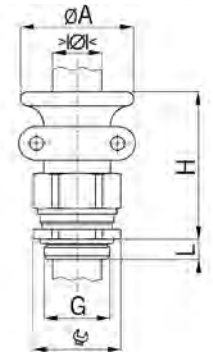


CABLE GLANDS NICKEL-PLATED BRASS

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

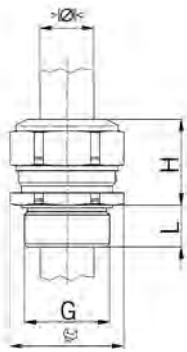
G	>Ø< min mm	>Ø< max mm	 mm	ØA mm	H mm	L mm	PART. NO.	
Pg 9	6.0	10.5	18	28	43	10	1801.11.09	50
Pg 11	5.5	12.0	21	30	43	10	1801.11.11	50
Pg 13	8.0	15.0	24	34	46	10	1801.11.13	50
Pg 16	8.0	15.0	24	34	46	10	1801.11.16	50
Pg 21	12.5	20.5	30	44	52	12	1801.11.21	25
Pg 29	19.0	27.5	38	50	59	12	1801.11.29	10





CABLE GLANDS STAINLESS STEEL A2

LONG ENTRY THREAD METRIC



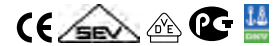
MATERIAL:	CRNI STAINLESS STEEL A2 (DIN EN 1.4305 / AISI 303)
IDENTIFICATION:	1 GROOVE
SEAL:	TPE
O-RING:	NBR
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K

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

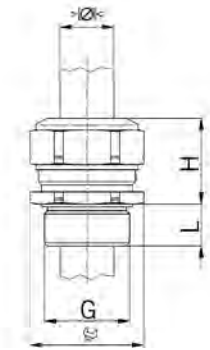
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
M16x1.5	6.0	10.5	19	20	10	1100.17.94	50
M20x1.5	8.0	15.0	24	21	10	1100.20.94	50
M25x1.5	12.5	20.5	30	25	11	1100.25.94	25
M32x1.5	17.0	25.5	36	28	13	1100.32.94	25
M40x1.5	24.0	33.0	46	31	13	1100.40.94	10
M50x1.5	33.0	42.0	55	34	14	1100.50.94	10
M63x1.5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

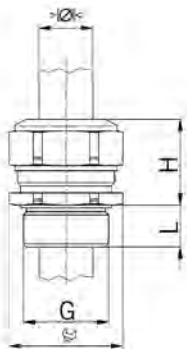




CABLE GLANDS STAINLESS STEEL A2

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	 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	 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

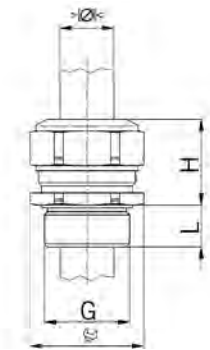


CABLE GLANDS STAINLESS STEEL A2

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

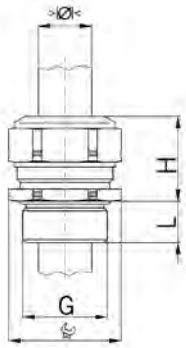




CABLE GLANDS STAINLESS & ACID-RESISTANT STEEL A4

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	>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	1100.08.98.035	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	>Ø< min mm	>Ø< max mm	 mm	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

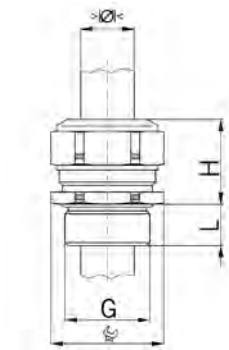


CABLE GLANDS STAINLESS & ACID-RESISTANT STEEL A4

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

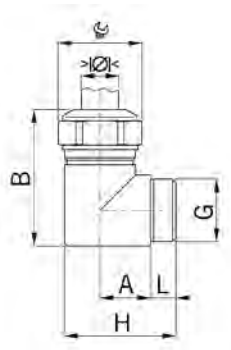




CABLE GLANDS NICKEL-PLATED BRASS

ELBOW 90°

SHORT ENTRY THREAD METRIC

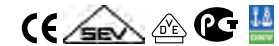


MATERIAL:	NICKEL-PLATED BRASS
SEAL:	TPE
STRAIN RELIEF:	ACCORDING TO EN 50262 VERSION A
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68
ENTRY THREAD:	IP 68, IF THE ENTRY THREAD IS SEALED

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

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



PART. NO.



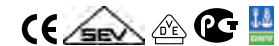
5200.12 50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$		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

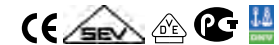


LONG ENTRY THREAD METRIC

PROGRESS MS W90

ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

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



PART. NO.



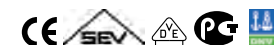
5210.12 50



PROGRESS MS W90

TWO-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{min mm} & \text{max mm} \end{matrix}$		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

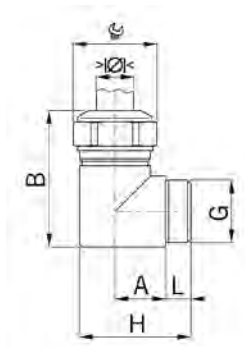


CABLE GLANDS NICKEL-PLATED BRASS

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

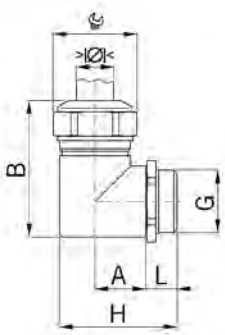




CABLE GLANDS NICKEL-PLATED BRASS

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.



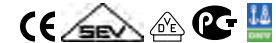
5215.12 50



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



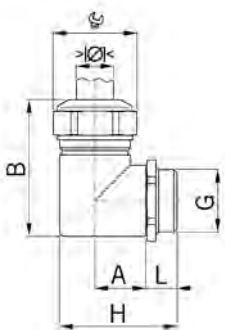
PART. NO.



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

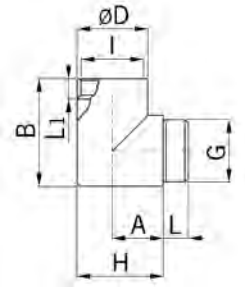


ELBOW 90° NICKEL-PLATED BRASS

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

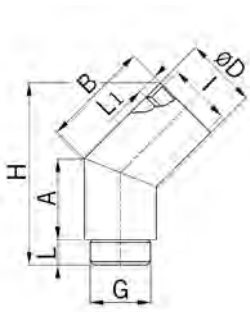




ELBOWS 45° NICKEL-PLATED BRASS

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

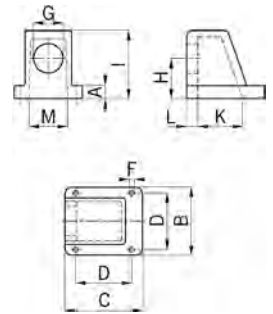
G	I	D mm	L mm	L1 mm	A mm	B mm	H mm	PART. NO.	
Pg 11	Pg 11	22	8	11	16	20	30	5711	50
Pg 16	Pg 16	26	10	12	18	23	34	5716	50
Pg 21	Pg 21	34	11	12	21	26	39	5721	25
Pg 29	Pg 29	41	8	16	27	32	-	5729	25

FLANGES & ELBOWS

ENTRY THREAD METRIC

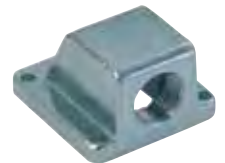
FLANGED ELBOW 90° ALUMINUM

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

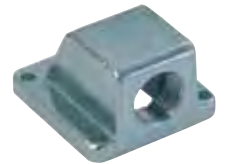
G	B/C mm	D mm	F mm	A mm	H mm	I mm	K mm	L mm	M mm	PART. NO.	
M16x1.5	45 x 48	37	4.3	8	15.5	30	28	10.5	24	5517	10
M20x1.5	53 x 56	44	5.5	8	18.0	35	34	10.5	24	5520	10
M25x1.5	63 x 65	54	5.5	8	22.5	42	43	11.0	35	5525	5
M32x1.5	71 x 75	60	5.5	10	27.0	52	53	11.0	38	5532	5
M40x1.5	71 x 75	60	5.5	10	27.0	52	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

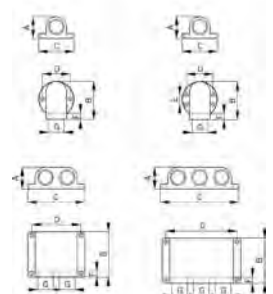
G	B/C mm	D mm	F mm	A mm	H mm	I mm	K mm	L mm	M mm	PART. NO.	
Pg 9	45 x 48	37	4.3	8	15.5	30	28	10.5	24	5509	10
Pg 13	53 x 56	44	5.5	8	19.0	35	34	10.5	24	5513	10
Pg 16	53 x 56	44	5.5	8	19.0	35	34	10.5	24	5516	10
Pg 21	63 x 65	54	5.5	8	23.0	42	43	11.0	35	5521	10
Pg 29	71 x 75	60	5.5	10	27.0	52	53	11.0	38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



ENTRY THREAD PG

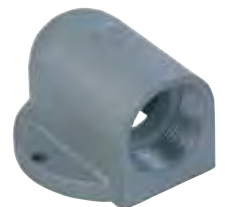
FLANGED ELBOW 90° ZINC DIECASTING

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

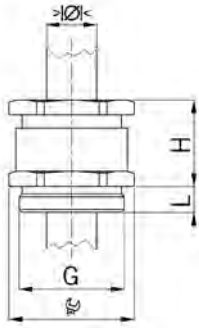




CABLE GLANDS NICKEL-PLATED BRASS

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	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	$\begin{array}{c} \varnothing \\ \text{mm} \end{array}$	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	$\begin{array}{c} >\varnothing< \\ \text{min mm} \end{array}$	$\begin{array}{c} >\varnothing< \\ \text{max mm} \end{array}$	$\begin{array}{c} \varnothing \\ \text{mm} \end{array}$	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	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	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

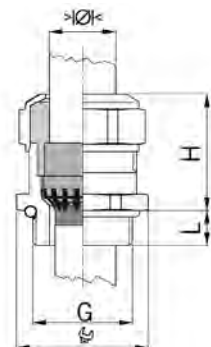
APPROVALS IN PREPERATION

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

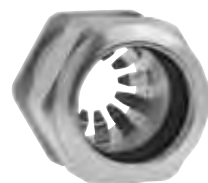


PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H	L	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



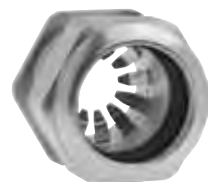
LONG ENTRY THREAD METRIC

PROGRESS MS EMC RAPID



ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED

G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H	L	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

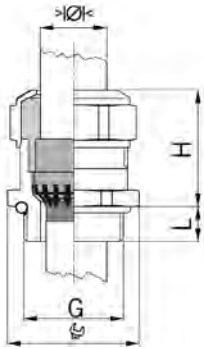




CABLE GLANDS EMC RAPID NICKEL-PLATED BRASS

WITH CONTACT DISC

SHORT ENTRY THREAD PG

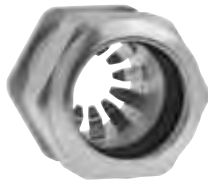


MATERIAL:	NICKEL-PLATED BRASS
CONTACT SLEEVE:	NICKEL-PLATED BRASS
CONTACT DISC:	STAINLESS STEEL A2
SEAL:	TPE
O-RING:	NBR
TEMPERATURE RANGE:	-40°C / +100°C
PROTECTION CLASS:	IP 68 (UP TO 10 BAR)
PROTECTION TYPE ADDITION:	IP 69K
PROPERTIES:	FOR A QUICK INSTALLATION OF PARTIALLY DISMANTLED CABLES AS WELL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

PROGRESS MS EMC RAPID

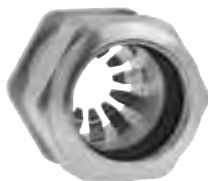


ONE-PIECE SEALING INSERT / NOT OVERALL LENGTH INSULATED



G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
PG 7	4.5	6.0	15	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

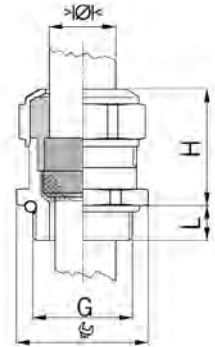
G	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
PG 7	4.5	6.0	15	20	10	1181.07.060	50
PG 7	6.0	7.5	15	20	10	1181.07.075	50
PG 9	6.0	8.0	18	23	10	1181.09.080	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



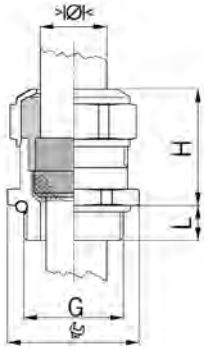
1 = METRIC COARSE-PITCH THREAD



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

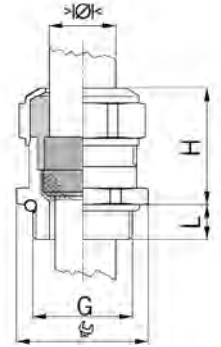
1 = METRIC COARSE-PITCH THREAD

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

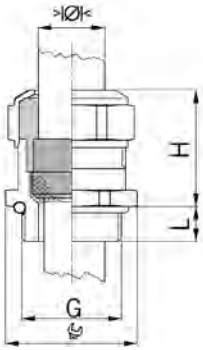




CABLE GLANDS EMC NICKEL-PLATED BRASS

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

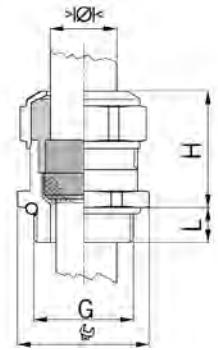
1 = METRIC COARSE-PITCH THREAD

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

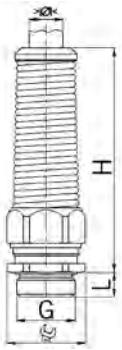




CABLE GLANDS EMC NICKEL-PLATED BRASS

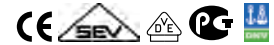
WITH ANTIKINK SPRING

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	$\begin{matrix} >\varnothing< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\varnothing< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \varnothing \\ \text{mm} \end{matrix}$	$\begin{matrix} H \\ \text{mm} \end{matrix}$	$\begin{matrix} L \\ \text{mm} \end{matrix}$	$\begin{matrix} i \\ \text{info} \end{matrix}$	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

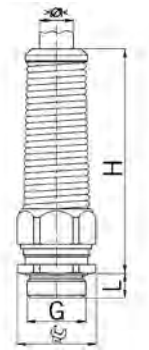
LONG ENTRY THREAD AVAILABLE ON REQUEST

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	$\begin{smallmatrix} > \varnothing < \\ \text{min mm} \end{smallmatrix}$	$\begin{smallmatrix} > \varnothing < \\ \text{max mm} \end{smallmatrix}$	 mm	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

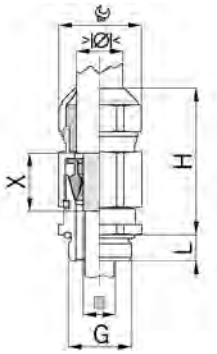




CABLE GLANDS EMC SERIES 85 NICKEL-PLATED BRASS

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)

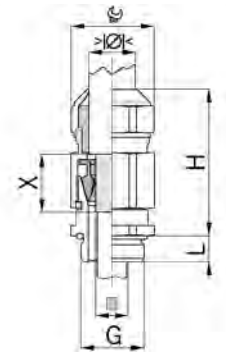


CABLE GLANDS EMC SERIES 85 NICKEL-PLATED BRASS

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

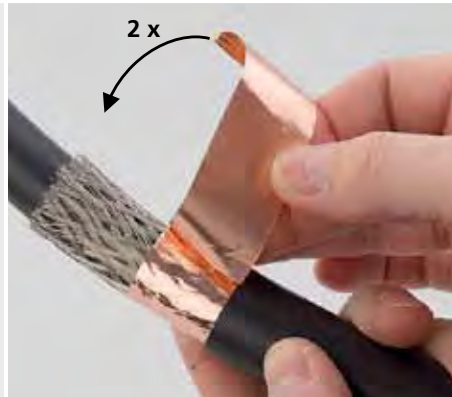


IMPORTANT!

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)

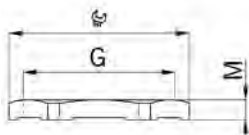




EMC CABLE GLANDS ACCESSORIES

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



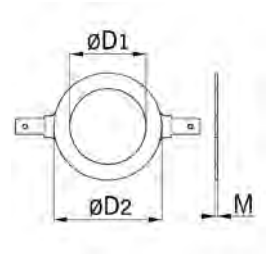
G	 mm	M mm	PART. NO.	
Pg 7	15	3.3	8007.85	25
Pg 9	18	3.3	8009.85	25
Pg 11	21	3.5	8011.85	25
Pg 13	24	3.5	8013.85	25
Pg 16	26	3.5	8016.85	25
Pg 21	32	4.0	8021.85	10
Pg 29	41	4.6	8029.85	10
Pg 36	50	5.8	8036.85	10
Pg 42	60	5.8	8042.85	10
Pg 48	64	6.5	8048.85	10

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

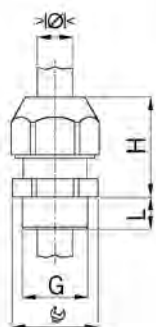




SYNTEC®

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



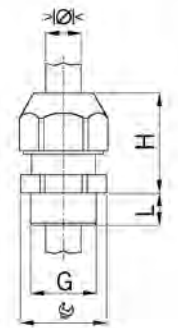
G	>Ø< min mm	>Ø< max mm	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	2.5	6.5	15	21	6	1545.12.06	100
M16x1.5	2.0	6.0	19	25	8	1545.17.06	50
M16x1.5	4.5	10.0	19	25	8	1545.17.10	50
M20x1.5	3.5	8.0	24	29	9	1545.20.08	50
M20x1.5	7.0	13.0	24	29	9	1545.20.13	50
M25x1.5	5.0	11.0	29	38	10	1545.25.11	25
M25x1.5	10.0	17.0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

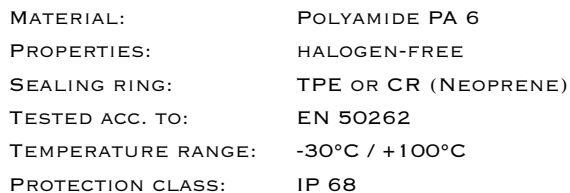
DARK GREY RAL 7001 / ONE-PIECE SEALING RING

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





LONG ENTRY THREAD METRIC



BLACK RAL 9005 / ONE-PIECE SEALING RING



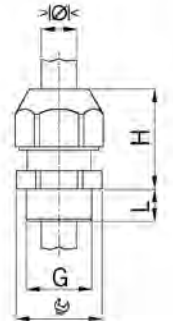
G					PART. NO.		
M12x1.5	2.5	6.5	15	21	12	1545.12.1.06	100
M16x1.5	2.0	6.0	19	25	15	1545.17.1.06	50
M16x1.5	4.5	10.0	19	25	15	1545.17.1.10	50
M20x1.5	3.5	8.0	24	29	15	1545.20.1.08	50
M20x1.5	7.0	13.0	24	29	15	1545.20.1.13	50
M25x1.5	5.0	11.0	29	38	15	1545.25.1.11	25
M25x1.5	10.0	17.0	29	38	15	1545.25.1.17	25
M32x1.5	17.0	25.0	42	36	15	1545.32.1.25	20
M40x1.5	22.0	33.0	53	48	15	1545.40.1.33	10
M50x1.5	28.0	38.0	60	48	15	1545.50.1.38	5
M63x1.5	32.0	44.0	65	49	16	1545.63.1.44	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	$\begin{matrix} > \text{Ø} < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \text{Ø} < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	$\begin{matrix} \text{H} \\ \text{mm} \end{matrix}$	$\begin{matrix} \text{L} \\ \text{mm} \end{matrix}$	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	$\begin{matrix} > \text{Ø} < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \text{Ø} < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	$\begin{matrix} \text{H} \\ \text{mm} \end{matrix}$	$\begin{matrix} \text{L} \\ \text{mm} \end{matrix}$	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

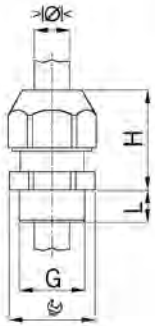




SYNTHETIC CABLE GLANDS SYNTEC®

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



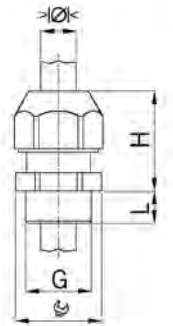
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
Pg 7	2.5	6.5	15	21	8	1545.07.06	100
Pg 9	3.0	8.0	19	23	8	1545.09.08	50
Pg 11	2.0	7.0	22	25	8	1545.11.07	50
Pg 11	4.0	10.0	22	25	8	1545.11.10	50
Pg 13	3.0	7.0	24	26	9	1545.13.07	50
Pg 13	5.5	12.0	24	26	9	1545.13.12	50
Pg 16	5.0	11.0	27	30	10	1545.16.11	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	$\begin{matrix} >\text{Ø}< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\text{Ø}< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	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	$\begin{matrix} >\text{Ø}< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\text{Ø}< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	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	$\begin{matrix} >\text{Ø}< \\ \text{min mm} \end{matrix}$	$\begin{matrix} >\text{Ø}< \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \end{matrix}$	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	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

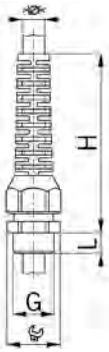




SYNTHETIC CABLE GLANDS SYNTEC®

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	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{H} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{L} \end{matrix}$	PART. NO.	
M12x1.5	2.5	6.5	15	54	1576.12.06	50
M16x1.5	4.0	8.0	19	64	1576.17.08	50
M20x1.5	3.0	7.0	24	88	1576.20.07	50
M20x1.5	5.5	12.0	24	88	1576.20.12	50



SYNTEC

DARK GREY RAL 7001 / ONE-PIECE SEALING RING

G	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{H} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{L} \end{matrix}$	PART. NO.	
M12x1.5	2.5	6.5	15	54	1577.12.06	50
M16x1.5	4.0	8.0	19	64	1577.17.08	50
M20x1.5	3.0	7.0	24	88	1577.20.07	50
M20x1.5	5.5	12.0	24	88	1577.20.12	50



SYNTEC

BLACK RAL 9005 / ONE-PIECE SEALING RING

G	$\begin{matrix} > \varnothing < \\ \text{min mm} \end{matrix}$	$\begin{matrix} > \varnothing < \\ \text{max mm} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{H} \end{matrix}$	$\begin{matrix} \text{mm} \\ \text{L} \end{matrix}$	PART. NO.	
M12x1.5	2.5	6.5	15	54	1546.12.06	50
M16x1.5	4.0	8.0	19	64	1546.17.08	50
M20x1.5	3.0	8.0	24	88	1546.20.07	50
M20x1.5	5.5	12.0	24	88	1546.20.12	50

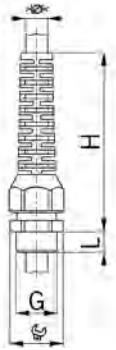


SYNTHETIC CABLE GLANDS SYNTEC®

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

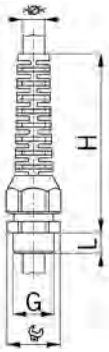




SYNTEC®

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.



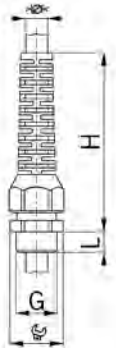
1546.07.06	50
1546.09.08	50
1546.11.07	50
1546.11.10	50
1546.13.07	50
1546.13.12	50
1546.16.11	50
1546.16.14	50

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	>Ø< min mm	>Ø< max mm	 mm	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	>Ø< min mm	>Ø< max mm	 mm	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

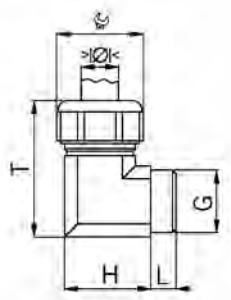
G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	PART. NO.	
NPT 3/8"	3.0	8.0	19/22	64	15	1546.N0375.08	50
NPT 1/2"	3.0	7.0	24	88	15	1546.N0500.07	50
NPT 1/2"	5.5	12.0	24	88	15	1546.N0500.12	50





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	>Ø< min mm	>Ø< max mm	Ø 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	>Ø< min mm	>Ø< max mm	Ø 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	>Ø< min mm	>Ø< max mm	Ø 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

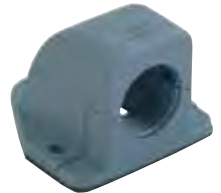
SYNTHETIC FLANGED ELBOW 90°

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

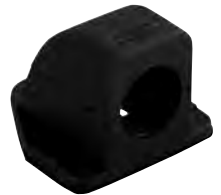
GREY

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

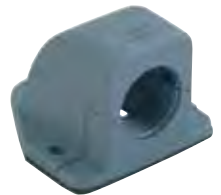
G	A mm	B mm	C mm	D mm	E mm	F mm	H mm	PART. NO.	
M16x1.5	49	47	35	22	27	29	37	5500.40.17	10
M20x1.5	49	47	35	22	27	29	37	5500.40.20	10
M25x1.5	69	65	44	30	31	42	52	5500.40.25	10
M32x1.5	90	78	55	40	65	65	65	5500.40.32	10
M40x1.5	100	94	66	48	68	80	80	5500.40.40	5
M50x1.5	116	101	76	63	85	88	88	5500.40.50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



ENTRY THREAD PG

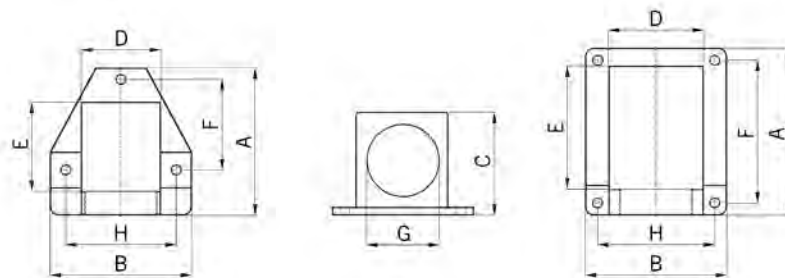
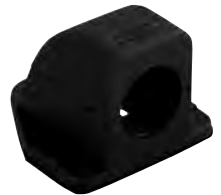
GREY

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

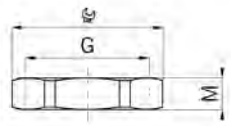
G	A mm	B mm	C mm	D mm	E mm	F mm	H mm	PART. NO.	
Pg 11	49	47	35	22	27	29	37	5540.11	10
Pg 16	49	47	35	22	27	29	37	5540.16	10
Pg 21	69	65	44	30	31	42	52	5540.21	10
Pg 29	90	78	55	40	65	65	65	5540.29	10
Pg 36	100	94	66	48	68	80	80	5540.36	5
Pg 48	116	101	76	63	85	88	88	5540.48.48	5





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



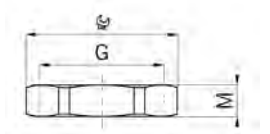
PG THREAD

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

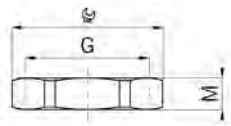




LOCK NUT NICKEL-PLATED BRASS

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

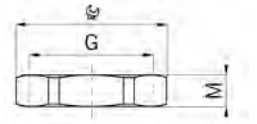
STAINLESS STEEL LOCK NUTS

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		M	i	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		M	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

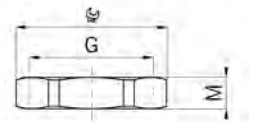


STAINLESS STEEL AND ACID RESISTANT A4

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		M	i	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

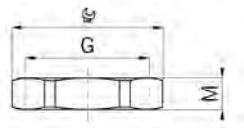
1 = METRIC COARSE-PITCH THREAD





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

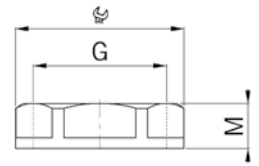
G	 mm	M		PART. NO.	
Pg 7	19	5.0		8207.40	100
Pg 9	22	6.0		8209.40	100
Pg 11	24	6.0		8211.40	100
Pg 13	27	6.0		8213.40	100
Pg 16	30	6.0		8216.40	100
Pg 21	36	7.0		8221.40	100
Pg 29	46	7.0		8229.40	50
Pg 36	60	8.0		8236.40	25
Pg 42	65	8.0		8242.40	25
Pg 48	70	8.0		8248.48.40	25



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

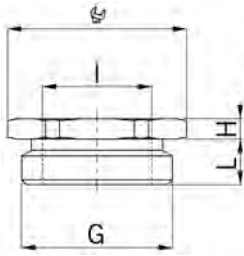
G	 mm	M		PART. NO.	
Pg 7	19	5.0		8245.07	100
Pg 9	21	5.0		8245.09	100
Pg 11	24	5.0		8245.11	100
Pg 13	27	6.0		8245.13	100
Pg 16	30	6.0		8245.16	100
Pg 21	36	7.0		8245.21	50
Pg 29	46	8.0		8245.29	50
Pg 36	59	8.0		8245.36	25
Pg 42	65	8.0		8245.42	10
Pg 48	69	8.0		8245.48	10





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

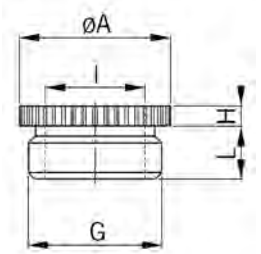
G	I	 mm	H mm	L mm	i info	PART. NO.	
M 8x1.25	M 6x1.0	11	8.0	5	1	3500.08.06	50
M10x1.5	M 6x1.0	13	3.0	5	1	3500.10.06	50
M10x1.5	M 8x1.25	13	8.0	5	1	3500.10.08	50
M12x1.5	M 8x1.25	15	3.0	5	1	3500.12.08	50
M12x1.5	M10x1.5	15	8.0	5	1	3500.12.10	50
M16x1.5	M10x1.5	18	3.0	5	1	3500.17.10	50
M16x1.5	M12x1.5	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



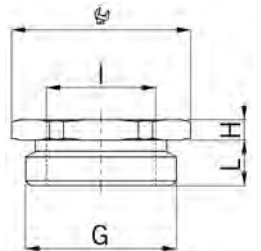
OUTER THREAD METRIC / INNER THREAD METRIC / WITHOUT O-RING

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

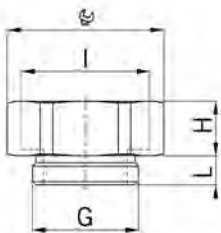
G	I	mm	H mm	L mm	PART. NO.	
Pg 9	Pg 7	18	3.0	6.5	3509.07	50
Pg 11	Pg 7	20	3.0	6.5	3511.07	50
Pg 11	Pg 9	22	3.0	7.0	3511.09	50
Pg 13	Pg 7	24	3.0	7.0	3513.07	50
Pg 13	Pg 9	24	3.0	7.0	3513.09	50
Pg 13	Pg 11	24	3.0	7.0	3513.11	50
Pg 16	Pg 9	24	3.0	7.0	3516.09	50
Pg 16	Pg 11	24	3.0	7.0	3516.11	50
Pg 16	Pg 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

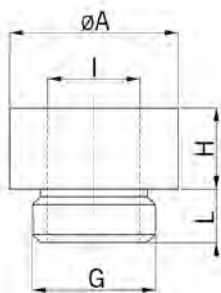


OUTER THREAD METRIC / INNER THREAD METRIC / WITH O-RING

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



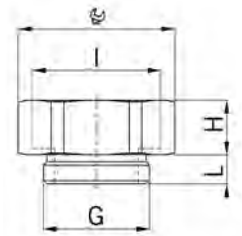
OUTER THREAD METRIC / INNER THREAD METRIC / WITHOUT O-RING

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

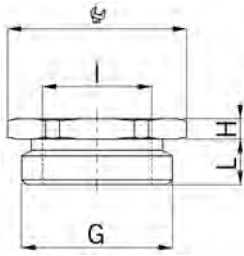
G	I	 mm	H mm	L mm	PART. NO.	
PG 7	PG 9	18	13	8	3607.09.08	50
PG 9	PG 11	22	15	8	3609.11.08	50
PG 9	PG 13	24	15	8	3609.13.08	50
PG 11	PG 13	24	15	8	3611.13.08	50
PG 11	PG 16	24	15	8	3611.16.08	50
PG 11	PG 21	32	16	8	3611.21.08	50
PG 13	PG 16	24	15	8	3613.16.08	50
PG 16	PG 21	32	16	8	3616.21.08	25
PG 16	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

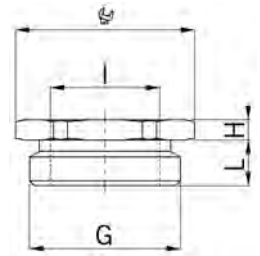
G	I	 mm	H mm	L mm	i info	PART. NO.	
M10x1.5	PG 7	16	12	6	1	3600.10.07	50
M10x1.5	PG 9	18	12	6	1	3600.10.09	50
M12x1.5	PG 9	18	12	7	-	3600.12.09	50
M16x1.5	PG 11	22	14	7	-	3600.17.11	50
M20x1.5	PG 13	24	15	7	-	3600.20.13	50
M20x1.5	PG 16	24	15	7	-	3600.20.16	50
M25x1.5	PG 21	32	16	8	-	3600.25.21	25
M32x1.5	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

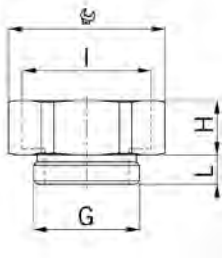


1 = METRIC COARSE-PITCH THREAD



ADAPTER NICKEL-PLATED BRASS

HEXAGONAL



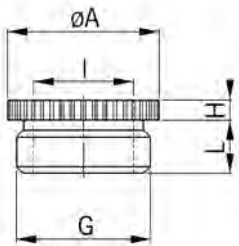
MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



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



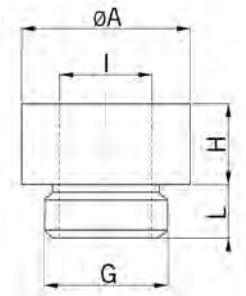
OUTER THREAD Pg / INNER THREAD METRIC / WITHOUT O-RING

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



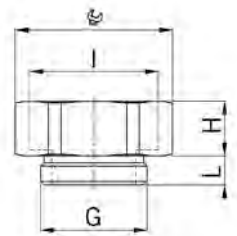
OUTER THREAD PG / INNER THREAD METRIC / WITHOUT O-RING

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

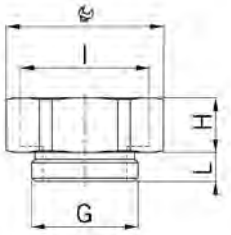
G	I	mm	H mm	L mm	PART. NO.	
G3/8"	Pg 7	20	3	10	353/8G.07	50
G1/2"	Pg 9	24	3	9.5	351/2G.09	50
G3/4"	Pg 9	30	3.5	11	353/4G.09	50
G3/4"	Pg 11	30	3.5	11	353/4G.11	50
G3/4"	Pg 16	32	3.5	11	353/4G.16	50
G1"	Pg 21	38	3.5	11	351G.21	25
G1 1/4"	Pg 29	50	5	11	3511/4G.29	25
G2"	Pg 36	64	5	11	352G.36	10
G2"	Pg 42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





ADAPTER NICKEL-PLATED BRASS

HEXAGONAL

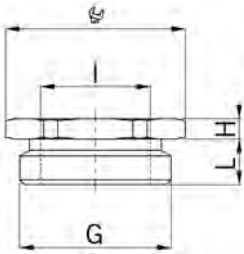


MATERIAL: NICKEL-PLATED BRASS
O-RING: NBR
TEMPERATURE RANGE: -40°C / +100°C
PROTECTION CLASS: IP 68



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



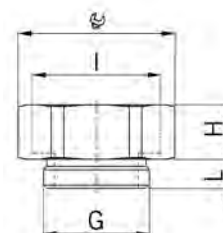
OUTER THREAD NPT / INNER THREAD PG / WITHOUT O-RING

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

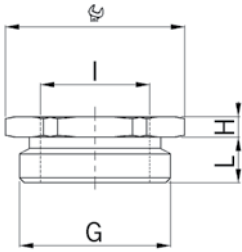
G	I	 mm	H mm	L mm	PART. NO.	
NPT1/2"	PG 11	24	12	20	361/2NPT.11	50
NPT1/2"	PG 13	24	14	20	361/2NPT.13	50
NPT1/2"	PG 16	34	20	20	361/2NPT.16	50
NPT3/4"	PG 21	32	14	20	363/4NPT.21	25





SYNTHETIC REDUCTION & ENLARGING FITTINGS

HEXAGONAL REDUCTION FITTINGS

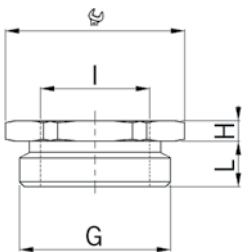


MATERIAL: POLYAMIDE PA 6
TEMPERATURE RANGE: -30°C / +100°C
PROTECTION CLASS: IP 54
PROTECTION TYPE ADDITION: IP 68, IF THE ENTRY THREAD IS SEALED



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



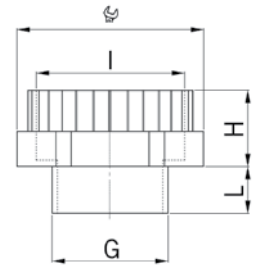
OUTER THREAD PG / INNER THREAD PG / LIGHT GREY

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

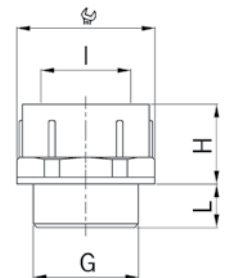


OUTER THREAD METRIC / INNER THREAD METRIC / LIGHT GREY RAL 7035

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

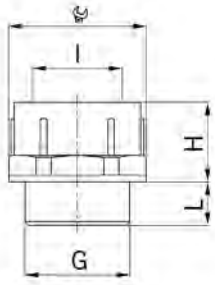
G	I		H	L	PART. NO.	
PG 7	PG 9	19	18	7	3707.09	50
PG 9	PG 11	22	19	7	3709.11	50
PG 11	PG 13	24	21	8	3711.13	50
PG 13	PG 16	27	23	9	3713.16	50
PG 16	PG 21	32	26	9	3716.21	25
PG 21	PG 29	41	33	10	3721.29	25
PG 29	PG 36	55	39	12	3729.36	10
PG 36	PG 42	60	46	14	3736.42	10
PG 42	PG 48	65	39	16	3742.48	10





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



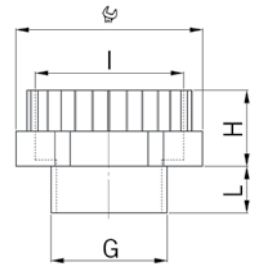
OUTER THREAD METRIC / INNER THREAD PG / LIGHT GREY

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

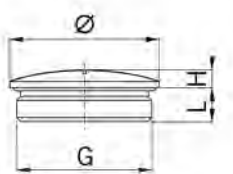
G	I		H	L	PART. NO.	
Pg 9	M12x1.5	19	12	8	3455.09.12	100
Pg 11	M16x1.5	22	12	8	3455.11.17	100
Pg 13	M16x1.5	24	13	9	3455.13.17	100
Pg 13	M20x1.5	24	13	9	3455.13.20	100
Pg 16	M20x1.5	27	13	10	3455.16.20	50
Pg 21	M25x1.5	33	14	11	3455.21.25	50
Pg 29	M32x1.5	42	14	11	3455.29.32	50
Pg 36	M40x1.5	55	14	11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

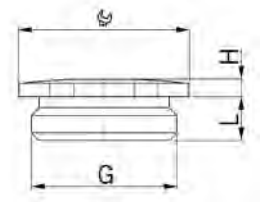
G	Ø mm	H mm	L mm	i info	PART. NO.	
M6x1.0	9	3	8	1	8706.11.08	50
M8x1.25	10	3	10	1	8708.11.08	50
M10x1.5	12	3	10	1	8710.11.08	50
M12x1.5	14	3	10	-	8712.11.08	50
M16x1.5	19	3	10	-	8717.11.08	50
M20x1.5	24	3	10	-	8720.11.08	25
M25x1.5	28	4	11	-	8725.11.08	25
M32x1.5	35	4	13	-	8732.11.08	10
M40x1.5	45	6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



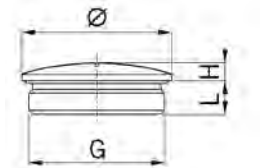
HEXAGONAL DESIGN / WITHOUT O-RING

G		H	L	PART. NO.	
mm	mm	mm	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

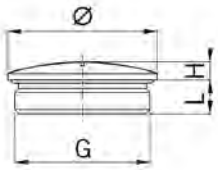
G	Ø	H	L	PART. NO.	
mm	mm	mm	mm		
Pg 7	14	3	10	8707.11.08	100
Pg 9	17	3	10	8709.11.08	100
Pg 11	20	3	10	8711.11.08	100
Pg 13	22	3	10	8713.11.08	50
Pg 16	24	3	10	8716.11.08	50
Pg 21	30	4	12	8721.11.08	10
Pg 29	39	4	12	8729.11.08	10
Pg 36	50	6	15	8736.11.08	10
G 2"	65	6	15	8748.11.08	10





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	H	L	i	PART. NO.	
mm	mm	mm	mm	info		
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	H	L	i	PART. NO.	
mm	mm	mm	mm	info		
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

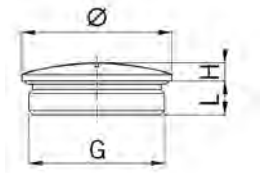
ROUND EXECUTION

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

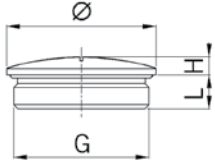
AVAILABLE ON REQUEST:

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

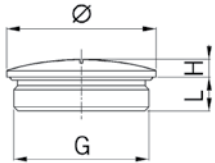
G	Ø mm	H mm	L mm	PART. NO.	
M12x1.5	15	4.5	6	8855.12	100
M16x1.5	20	4.5	6	8855.17	100
M20x1.5	24	4.5	6	8855.20	100
M25x1.5	30	5.0	8	8855.25	100
M32x1.5	37	5.5	8	8855.32	50
M40x1.5	46	6.0	8	8855.40	50
M50x1.5	56	6.0	10	8855.50	10
M63x1.5	70	6.0	12	8855.63	10



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

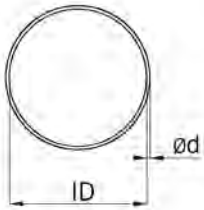
WHEN FROZEN TO AT LEAST -25°C, THE SOLID SEALING INSERTS ARE EASY TO DRILL.



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

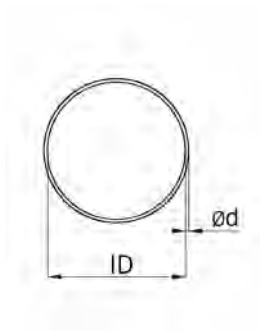
G	G	Øl mm	Ød mm	PART. NO.	
M 6	-	5.0	1.0	1005.00.08	1
M 8	-	6.0	1.5	1006.00.08	1
M10	-	8.1	1.6	1006.06.08	1
M12	PG 7	10.0	1.5	1007.00.08	1
M16	PG 9	13.1	1.6	1000.09.00.08	1
M20	-	17.0	2.0	2111.00.08	1
M25	-	22.0	2.0	1013.00.22.08	1
M32	-	30.0	2.0	1021.00.30.08	1
M40	-	36.0	2.0	1000.40.00.08	1
M50	-	46.0	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

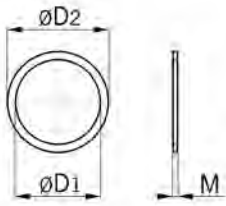




O-RINGS & SEALING WASHERS

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

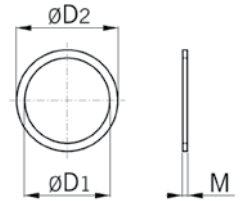
G	ØD1 mm	ØD2 mm	M mm	PART. NO.	
Pg 7	16.5	12.5	1.5	1007.00.16	1
Pg 9	19.0	15.2	1.5	1009.00.16	1
Pg 11	22.5	18.5	1.5	1011.00.16	1
M20 / Pg 13	25.0	20.5	1.5	1013.00.16	1
Pg 16	27.0	22.5	1.5	1016.00.16	1
Pg 21	33.5	28.5	2.0	1021.00.16	1
Pg 29	43.5	37.0	2.0	1029.00.16	1
Pg 36	55.0	47.0	2.0	1036.00.16	1
Pg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



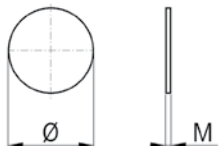
SUITABLE FOR ENTRY THREAD PG

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

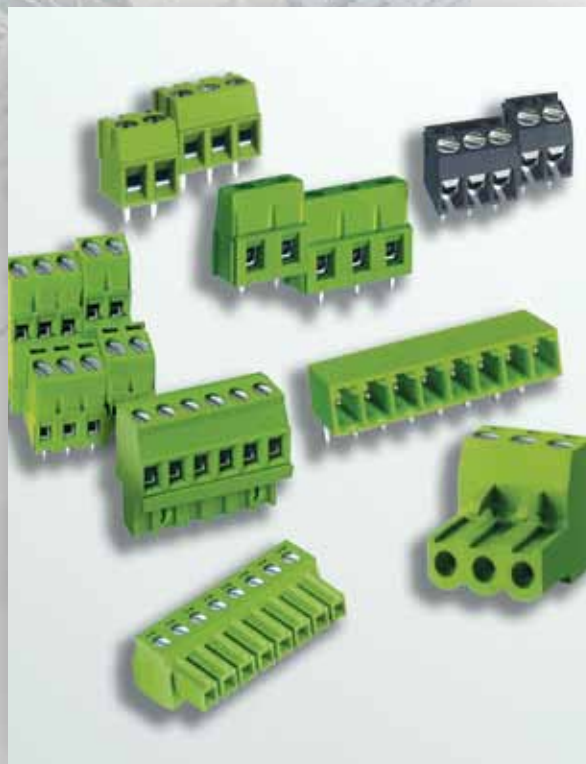
OLFLEX - NPT THREAD TYPE				AGRO - NPT THREAD TYPE		
THREAD TYPE	OLFLEX BLACK	OLFLEX GREY	DIAMETER RANGE (MM)	DIAMETER RANGE (MM)	AGRO BLACK	AGRO GREY
NPT 3/8	S2238	S1238	2.0 - 6.0	3.0 - 8.0	1545.N0375.08	1555.N0375.08
NPT 3/8	S2138	S1138	4.0 - 8.0	3.0 - 8.0	1545.N0375.08	1555.N0375.08
NPT 1/2	S2212	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

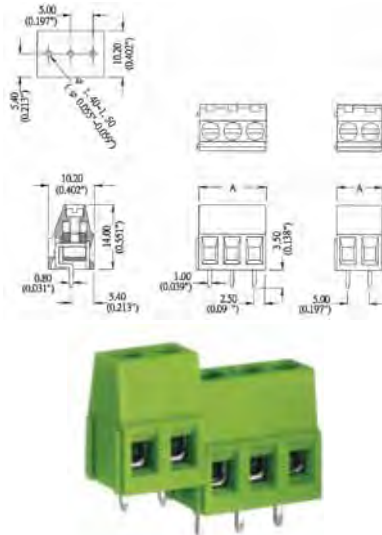


TECHNICAL

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

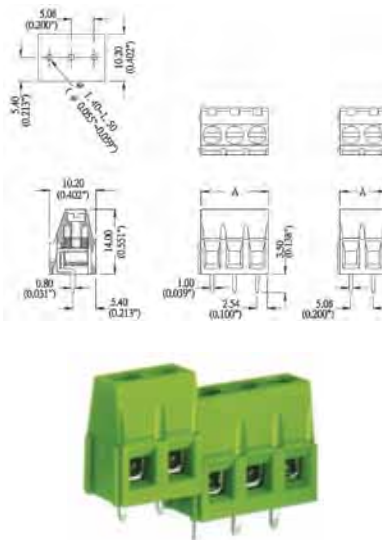


TECHNICAL

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

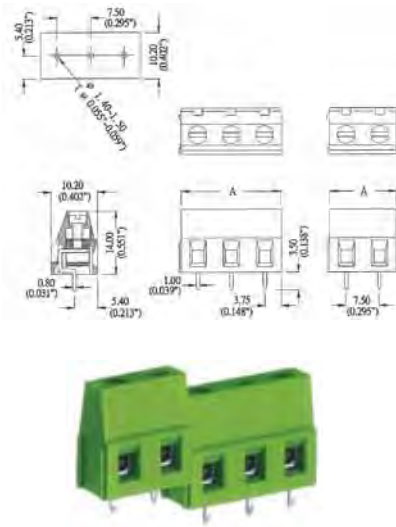
ITEM NO.	POLES	A (MM)	A (INCH)
T-312-508M2	2	10.16	0.400
T-312-508M3	3	15.24	0.600



PRINTED CIRCUIT BOARD

TERMINAL BLOCKS

SINGLE LEVEL • 90° • PITCH: 7.50 MM

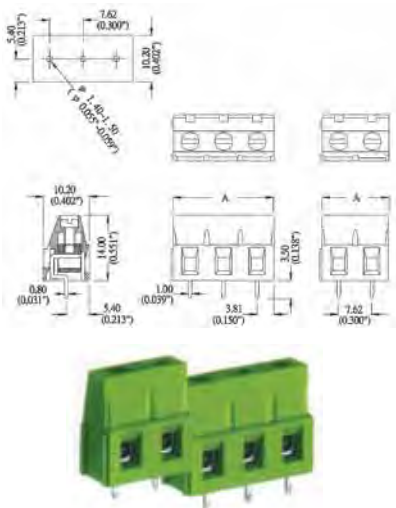


TECHNICAL

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

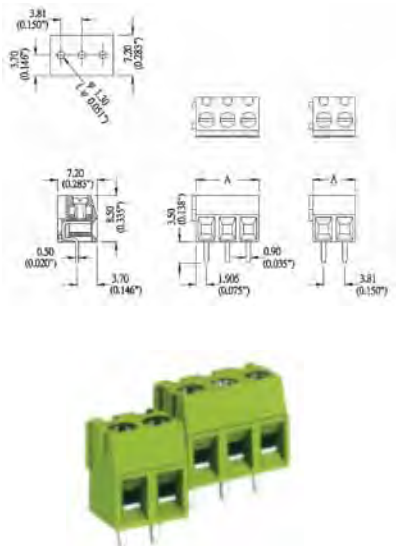


TECHNICAL

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

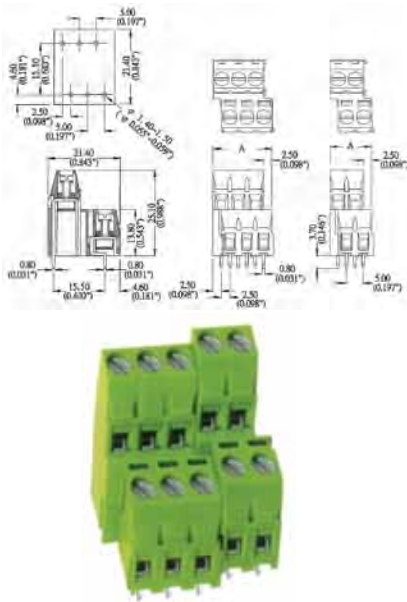
CAGE CLAMP:	BRASS, NI PLATED
TERMINAL:	BRASS, TIN PLATED, 0.5T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.0, STEEL, NI PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 200°C (+392°F)
CURRENT RATING:	8 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION 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

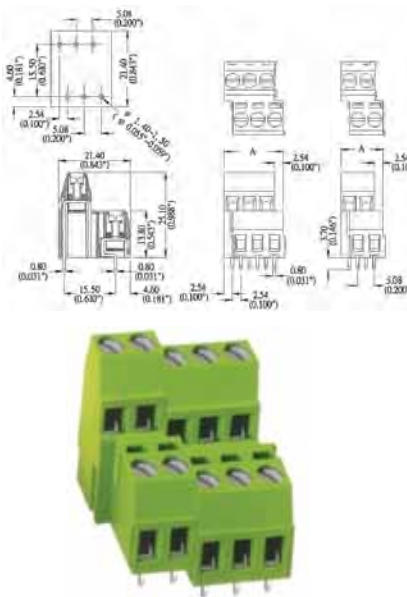


TECHNICAL

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

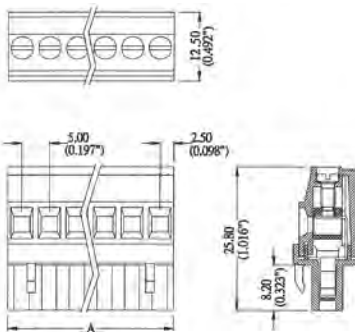
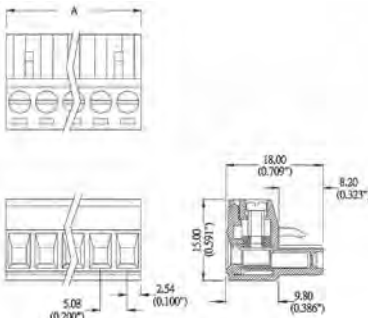
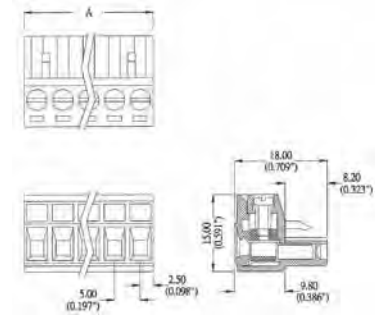
ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-100-50802	2	10.16	0.400	P-100-50809	9	45.72	1.800
P-100-50803	3	15.24	0.600	P-100-50810	10	50.80	2.000
P-100-50804	4	20.32	0.800	P-100-50811	11	55.88	2.200
P-100-50805	5	25.40	1.000	P-100-50812	12	60.96	2.400
P-100-50806	6	30.48	1.200		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

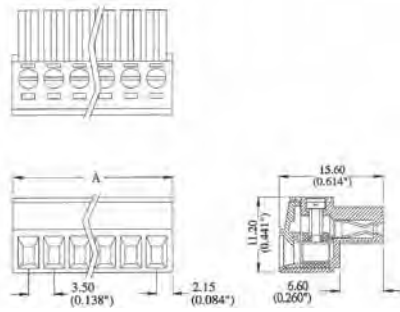
CAGE CLAMP:	BRASS, NI PLATED
CONTACT:	PHOSPHOR BRONZE, TIN PLATED, 0.4T
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
SCREW:	M2.6, STEEL, ZINC PLATED
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	16 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V 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



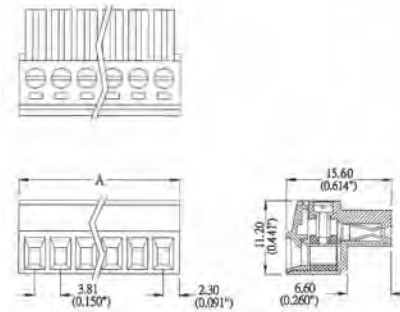
PLUGS • 180° • PITCH: 3.50 MM

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

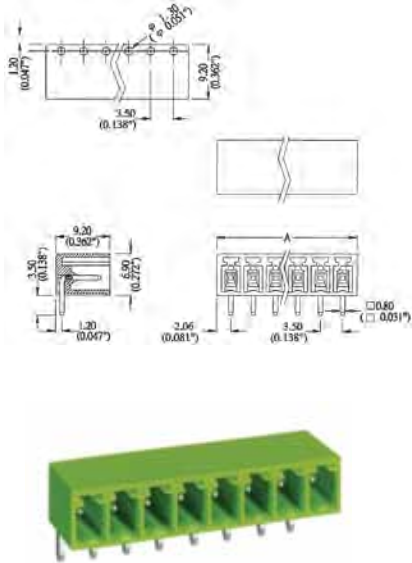
ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
P-420-38102	2	8.41	0.331	P-420-38109	9	35.08	1.381
P-420-38103	3	12.22	0.481	P-420-38110	10	38.89	1.531
P-420-38104	4	16.03	0.631	P-420-38111	11	42.70	1.681
P-420-38105	5	19.84	0.781	P-420-38112	12	46.51	1.831
P-420-38106	6	23.65	0.931			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

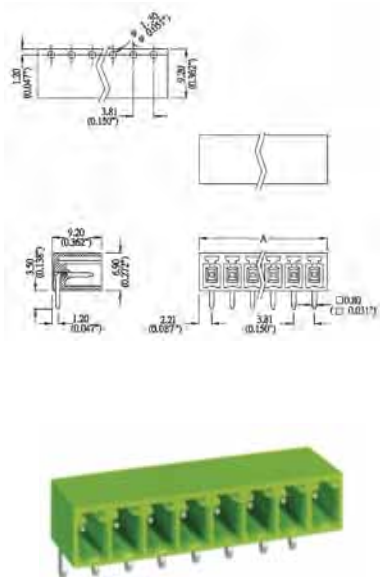


TECHNICAL

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

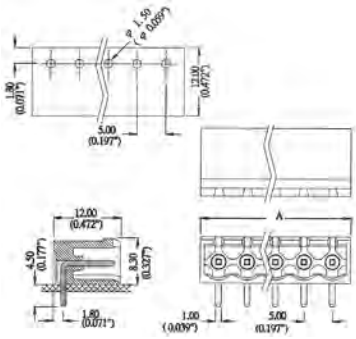
SOLDER PIN:	0.8 MM, BRASS, TIN PLATED
INSULATING BODY:	POLYAMIDE66 (UL94V-0)
COLOR:	GREEN
OPERATION TEMPERATURE:	-55°C TO +105°C
SHORT-TIME TEMPERATURE:	UP TO 250°C (+482°F)
CURRENT RATING:	12 AMP AC300V
INSULATION WITHSTANDING VOLT:	AC2000V MIN
INSULATION RESISTANCE:	>5000Ω AT DC500V
PDB HOLE DIAMETER: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

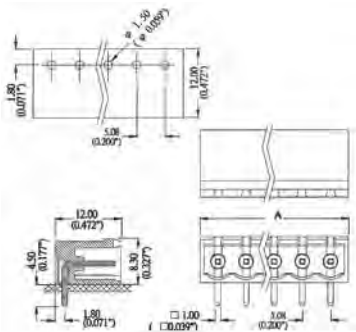


TECHNICAL

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				



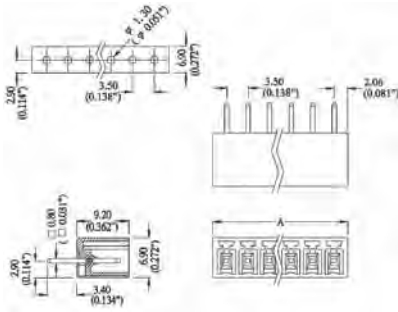
PRINTED CIRCUIT BOARD

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

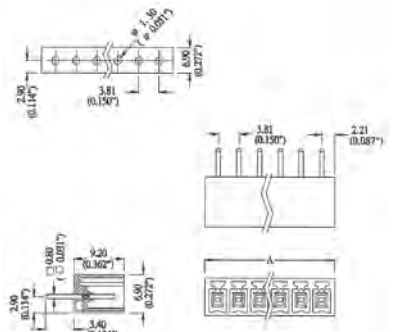


ITEM No.	POLES	A (MM)	A (INCH)	ITEM No.	POLES	A (MM)	A (INCH)
H-040-35002	2	7.60	0.299	H-040-35009	9	32.10	1.264
H-040-35003	3	11.10	0.437	H-040-35010	10	35.60	1.402
H-040-35004	4	14.60	0.575	H-040-35011	11	39.10	1.539
H-040-35005	5	18.10	0.713	H-040-35012	12	42.60	1.677
H-040-35006	6	21.60	0.850	H-040-35013	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				

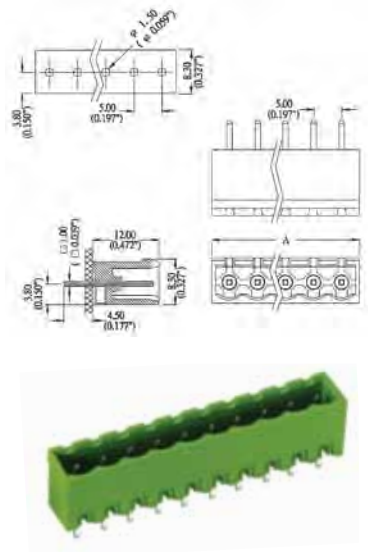
PRINTED CIRCUIT BOARD

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

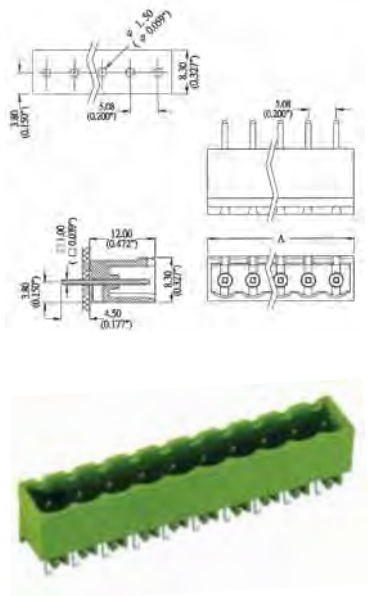


ITEM NO.	POLES	A (MM)	A (INCH)	ITEM NO.	POLES	A (MM)	A (INCH)
H-040-50002	2	11.60	0.457	H-040-50009	9	46.60	1.835
H-040-50003	3	16.60	0.654	H-040-50010	10	51.60	2.031
H-040-50004	4	21.60	0.850	H-040-50011	11	56.60	2.228
H-040-50005	5	26.60	1.047	H-040-50012	12	61.60	2.425
H-040-50006	6	31.60	1.244		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

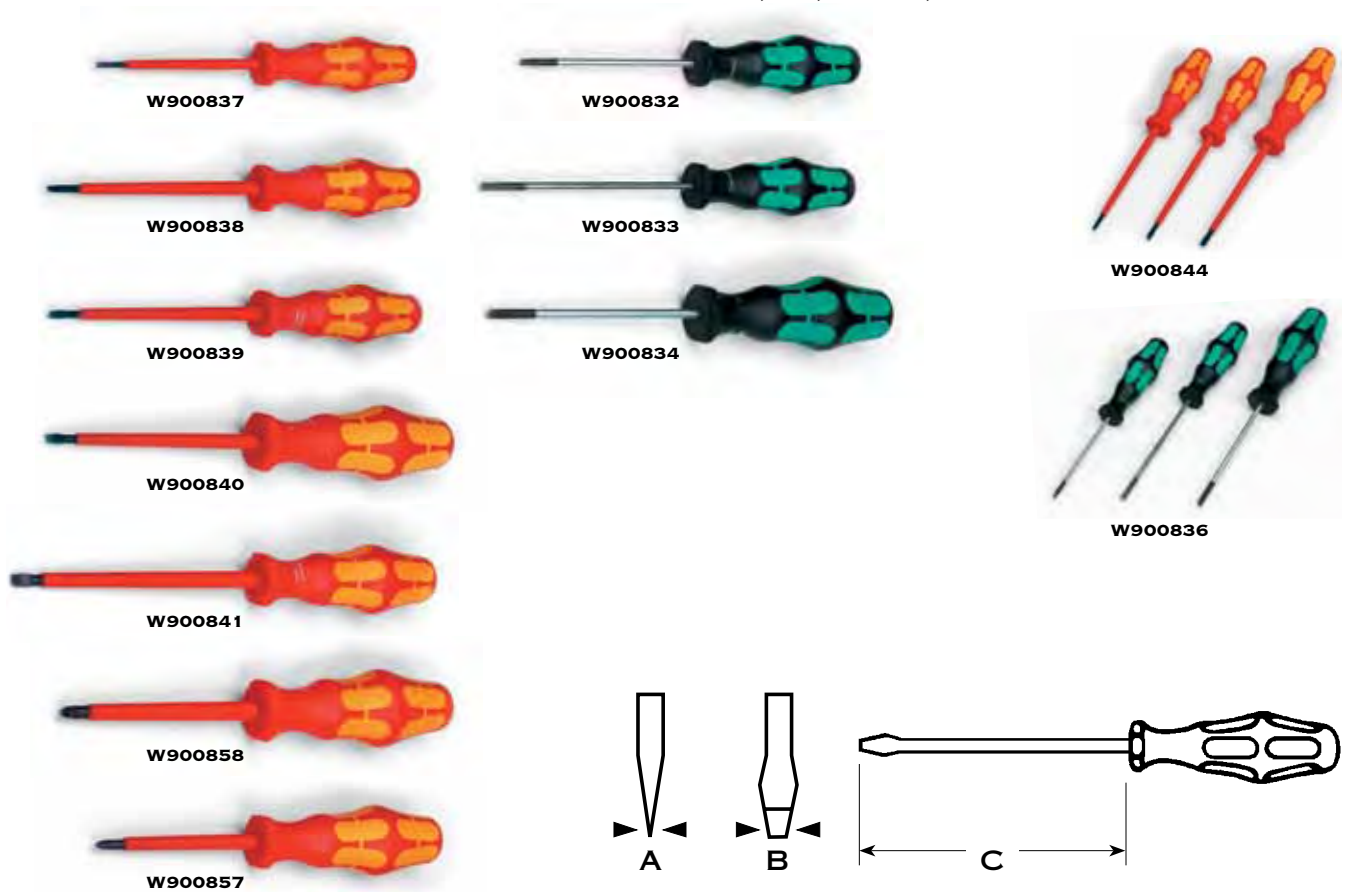
THE ERGONOMIC DESIGN OF OUR SCREWDRIVER HANDLES EFFICIENTLY HELP TO PROVIDE THE PROPER TIGHTENING TORQUE FOR YOUR TERMINAL BLOCK APPLICATION. INSULATION IS RATED AT 10,000V FOR YOUR SAFETY. THE TIPS OF OUR SCREWDRIVERS ARE MADE OF HARDENED STEEL FOR A LONGER TOOL LIFE.



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)			



INDEX

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

INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
103075	120	1381075	121	11201700	119	121810400	122	1000.11/2NPT.330	175	1000.25.30.03	267
103100	120	1382010	121	11202500	119	121810600	122	1000.11/2NPT.370	175	1000.25.30.91	186
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
1163015	118	11102050	118	11630025	118	1000.07.30	185	1000.13.30	185	1000.2NPT.400	175
1163034	118	11102075	118	11810025	118	1000.07.30.91	186	1000.13.30.91	186	1000.2NPT.460	175
1163050	118	11103010	118	11820025	118	1000.07.91.050	179	1000.13.91.150	179	1000.2NPT.520	175
1163075	118	11103015	118	11830025	118	1000.07.91.065	179	1000.13.92	179	1000.3/4G	176
1181010	118	11103040	118	12321120	123	1000.07.91.080	179	1000.16.080	172	1000.3/4NPT	175
1181014	118	11103050	118	12401120	123	1000.08.035	167	1000.16.110	172	1000.3/4NPT.125	175
1181015	118	11103075	118	12510025	122	1000.08.050	167	1000.16.150	172	1000.3/4NPT.160	175
1181025	118	11121010	118	12510034	122	1000.08.30	185	1000.16.25.30	185	1000.3/4NPT.205	175
1181034	118	11121015	118	12610050	122	1000.08.30.03	267	1000.16.25.30.91	186	1000.3/8G	176
1181050	118	11121025	118	12610075	122	1000.08.30.91	186	1000.16.30	185	1000.3/8NPT	175
1181075	118	11121040	118	12610100	122	1000.08.91.035	177	1000.16.30.91	186	1000.3/8NPT.045	175
1181208	118	11121075	118	12710025	122	1000.08.91.050	177	1000.16.85.120	227	1000.3/8NPT.060	175
1182010	118	11121100	118	12710034	122	1000.08.98.30.03	267	1000.16.85.150	227	1000.3/8NPT.080	175
1182014	118	11121160	118	12710150	122	1000.085.30.03	267	1000.16.91.150	179	1000.3/8NPT.105	175
1182015	118	11122010	118	12710250	122	1000.09.00.08	268	1000.16.92	179	1000.32.170	167
1182025	118	11122015	118	12810050	122	1000.09.045	172	1000.17.045	167	1000.32.210	167
1182034	118	11122025	118	12810075	122	1000.09.060	172	1000.17.060	167	1000.32.255	167
1182050	118	11122040	118	12810100	122	1000.09.080	172	1000.17.080	167	1000.32.30	185
1182075	118	11122060	118	12810150	122	1000.09.105	172	1000.17.105	167	1000.32.30.03	267
1182208	118	11122075	118	12910400	122	1000.09.30	185	1000.17.30	185	1000.32.30.91	186
1183010	118	11122100	118	13101010	121	1000.09.30.91	186	1000.17.30.03	267	1000.32.85.220	226
1183014	118	11122160	118	13101025	121	1000.09.91.105	179	1000.17.30.91	186	1000.32.85.250	226
1183015	118	11123010	118	13101075	121	1000.09.92	179	1000.17.85.045	226	1000.32.91.255	177
1183025	118	11123015	118	13102010	121	1000.095.30.03	267	1000.17.85.080	226	1000.32.92	177
1183034	118	11123025	118	13102025	121	1000.1/2G	176	1000.17.85.100	226	1000.32.98.30.03	267
1183050	118	11123040	118	13102075	121	1000.1/2NPT	175	1000.17.91.105	177	1000.36.260	172
1183075	118	11123060	118	13121015	121	1000.1/2NPT.080	175	1000.17.92	177	1000.36.30	185
1183208	118	11123075	118	13121040	121	1000.1/2NPT.110	175	1000.17.98.30.03	267	1000.36.30.03	267
1210100	122	11123100	118	13122015	121	1000.1/2NPT.150	175	1000.1G	176	1000.36.30.91	186
1212110	122	11123160	118	13122040	121	1000.1/4NPT.050	175	1000.1NPT	175	1000.36.305	172
1212116	122	11161250	119	13131025	121	1000.1/4NPT.065	175	1000.1NPT.170	175	1000.36.350	172
1212125	122	11161350	119	13132025	121	1000.1/4NPT.080	175	1000.1NPT.210	175	1000.36.50.30	185
1215110	122	11162250	119	13141060	121	1000.1/8NPT.040	175	1000.1NPT.255	175	1000.36.50.30.91	186
1215116	122	11162350	119	13141100	121	1000.1/8NPT.060	175	1000.20.080	167	1000.36.91.350	179
1215125	122	11163250	119	13142060	121	1000.10.040	167	1000.20.110	167	1000.36.92	179
1218110	122	11163350	119	13142100	121	1000.10.060	167	1000.20.150	167	1000.36.98.30.03	267
1218116	122	11181015	118	13161160	121	1000.10.30	185	1000.20.30	185	1000.3G.630	176
1218125	122	11181025	118	13162160	121	1000.10.30.03	267	1000.20.30.03	267	1000.3G.700	176
1218135	122	11181040	118	112711200	119	1000.10.30.91	186	1000.20.30.91	186	1000.40.00.08	268
1218150	122	11181060	118	112721200	119	1000.10.91.040	177	1000.20.85.120	226	1000.40.240	167
1220110	122	11181100	118	112731200	119	1000.10.91.060	177	1000.20.85.140	226	1000.40.285	167
1220116	122	11181160	118	113221500	119	1000.10.98.30.03	267	1000.20.91.150	177	1000.40.30	185
1220135	122	11181250	119	113231500	119	1000.100.30.03	267	1000.20.92	177	1000.40.30.03	267
1222150	122	11181350	119	121010050	122	1000.100.850	167	1000.20.98.30.03	267	1000.40.30.91	186
1225110	122	11182015	118	121010100	122	1000.105.30.03	267	1000.21.125	172	1000.40.330	167
1225116	122	11182025	118	121010150	122	1000.105.900	167	1000.21.160	172	1000.40.85.300	226
1225125	122	11182040	118	121010250	122	1000.11.055	172	1000.21.205	172	1000.40.91.330	177
1225135	122	11182060	118	121010400	122	1000.11.085	172	1000.21.30	185	1000.40.92	177
1225150	122	11182100	118	121010600	122	1000.11.120	172	1000.21.30.91	186	1000.40.98.30.03	267
1225170	122	11182160	118	121210075	122	1000.11.20.30	185	1000.21.32.30	185	1000.42.00.08	268
1225195	123	11182250	119	121210100	122	1000.11.20.30.91	186	1000.21.32.30.91	186	1000.42.30	185
1230195	123	11182350	119	121210150	122	1000.11.30	185	1000.21.85.160	227	1000.42.30.91	186
1232116	122	11183015	118	121210250	122	1000.11.30.03	267	1000.21.85.190	227	1000.42.330	172
1232125	122	11183025	118	121210400	122	1000.11.30.91	186	1000.21.91.205	179	1000.42.370	172
1232135	122	11183040	118	121210600	122	1000.11.85.080	227	1000.21.92	179	1000.42.420	172
1232150	122	11183060	118	121510150	122	1000.11.85.120	227	1000.21/2G.500	176	1000.42.91.420	179
1232170	122	11183100	118	121510250	122	1000.11.91.120	179	1000.21/2G.560	176	1000.42.92	179
1232195	123	11183160	118	121510400	122	1000.11.92	179	1000.25.125	167	1000.48.00.08	268
1381010	121	11183250	119	121510600	122	1000.11.98.30.03	267	1000.25.160	167	1000.48.30	185
1381015	121	11183350	119	121810150	122	1000.11/2G	176	1000.25.205	167	1000.48.30.03	267
1381050	121	11201500	119	121810250	122	1000.11/2NPT	175	1000.25.30	185	1000.48.30.91	186



INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
1000.48.370	172	1029.00.16	270	1060.20.145	166	1080.16.110	221	110 020	94	1100.10.060	169
1000.48.430	172	1029.00.19	271	1060.20.52	193	1080.16.140	221	110 030	94	1100.10.91.040	178
1000.48.490	172	1029.45.16	271	1060.20.52.080	193	1080.16.52.110	225	110 040	94	1100.10.91.060	178
1000.48.91.490	179	1029.80.10	229	1060.20.52.110	193	1080.16.52.140	225	110 050	94	1100.10.94.040	202
1000.48.92	179	1032.00.16	270	1060.20.52.145	193	1080.16.91.110	223	110 060	94	1100.10.94.060	202
1000.48.98.30.03	267	1032.00.19	271	1060.21.125	171	1080.16.91.140	223	110 070	94	1100.10.96.040	204
1000.50.00.08	268	1032.45.16	271	1060.21.160	171	1080.17.080	219	110 080	94	1100.10.96.060	204
1000.50.30	185	1032.80.10	229	1060.21.190	171	1080.17.100	219	110 090	94	1100.10.98.040	206
1000.50.30.03	267	1036.00.08	268	1060.21.52	194	1080.17.52.080	224	110 100	94	1100.10.98.060	206
1000.50.30.91	186	1036.00.16	270	1060.21.52.125	194	1080.17.52.100	224	110 110	94	1100.11.055	174
1000.50.330	167	1036.00.19	271	1060.21.52.160	194	1080.17.91.080	222	110 120	94	1100.11.085	174
1000.50.370	167	1036.45.16	271	1060.21.52.190	194	1080.17.91.100	222	110 130	94	1100.11.120	174
1000.50.420	167	1036.80.10	229	1060.25.125	166	1080.20.110	219	110 140	94	1100.11.50	190
1000.50.85.380	226	1040.00.16	270	1060.25.160	166	1080.20.140	219	110 150	94	1100.11.91.120	180
1000.50.91.420	177	1040.00.19	271	1060.25.190	166	1080.20.52.110	224	110 160	94	1100.11.92	180
1000.50.92	177	1040.45.16	271	1060.25.52	193	1080.20.52.140	224	110 170	94	1100.11.94	203
1000.50.98.30.03	267	1040.80.10	229	1060.25.52.125	193	1080.20.91.110	222	110 180	94	1100.11.94.120	203
1000.63.00.08	268	1042.00.16	270	1060.25.52.160	193	1080.20.91.140	222	110 190	94	1100.11.96	205
1000.63.30	185	1048.00.16	270	1060.25.52.190	193	1080.21.160	221	110 200	94	1100.11.96.120	205
1000.63.30.03	267	1050.00.16	270	1060.29.230	171	1080.21.190	221	110 210	94	1100.11.98	207
1000.63.30.91	186	1050.00.19	271	1060.29.275	171	1080.21.52.160	225	110 220	94	1100.11.98.120	207
1000.63.400	167	1050.45.16	271	1060.32.210	166	1080.21.52.190	225	110 230	94	1100.12.050	169
1000.63.460	167	1050.80.10	229	1060.32.255	166	1080.21.91.160	223	110 240	94	1100.12.065	169
1000.63.520	167	1050G	119	1060.32.52	193	1080.21.91.190	223	110 250	94	1100.12.080	169
1000.63.85.380	226	1060.06.025	166	1060.32.52.210	193	1080.25.160	219	110 260	94	1100.12.91.050	178
1000.63.85.440	226	1060.06.030	166	1060.32.52.245	193	1080.25.190	219	110 270	94	1100.12.91.065	178
1000.63.91.520	177	1060.07.050	171	1060.36.305	171	1080.25.52.160	224	110 280	94	1100.12.91.080	178
1000.63.92	177	1060.07.065	171	1060.36.350	171	1080.25.52.190	224	110 290	94	1100.12.94.050	202
1000.63.98.30.03	267	1060.07.075	171	1060.40.285	166	1080.25.91.160	222	110 300	94	1100.12.94.065	202
1000.75.00.08	268	1060.07.52.050	194	1060.40.330	166	1080.25.91.190	222	110 310	94	1100.12.94.080	202
1000.75.30.03	267	1060.07.52.065	194	1060.42.370	171	1080.29.230	221	110 320	94	1100.12.96.050	204
1000.75.500	167	1060.07.52.075	194	1060.42.420	171	1080.29.255	221	110 330	94	1100.12.96.065	204
1000.75.560	167	1060.08.030	166	1060.48.430	171	1080.29.91.230	223	110 340	94	1100.12.96.080	204
1000.75.630	167	1060.08.040	166	1060.48.490	171	1080.29.91.255	223	110 350	94	1100.12.98.050	206
1000.85.700	167	1060.08.52.030	193	1060.50.370	166	1080.32.210	219	110 360	94	1100.12.98.065	206
1000.95.750	167	1060.08.52.040	193	1060.50.420	166	1080.32.250	219	110 370	94	1100.12.98.080	206
1000.95.800	167	1060.09.060	171	1060.63.460	166	1080.32.52.210	224	110 380	94	1100.13.080	174
1005.00.08	268	1060.09.080	171	1060.63.520	166	1080.32.52.245	224	110 390	94	1100.13.110	174
1006.00.08	268	1060.09.105	171	1060.75.560	166	1080.32.91.210	222	1100.06.025	169	1100.13.150	174
1006.00.16	270	1060.09.52	194	1060.75.630	166	1080.32.91.250	222	1100.06.030	169	1100.13.50	190
1006.06.08	268	1060.09.52.060	194	1063.00.16	270	1080.36.305	221	1100.06.035	169	1100.13.91.150	180
1007.00.08	268	1060.09.52.080	194	1063.00.19	271	1080.36.350	221	1100.06.91.025	178	1100.13.92	180
1007.00.16	270	1060.09.52.105	194	1063.45.16	271	1080.40.285	219	1100.06.91.030	178	1100.13.94	203
1007.45.16	271	1060.10.040	166	1063.80.10	229	1080.40.320	219	1100.06.91.035	178	1100.13.94.150	203
1007.80.10	229	1060.10.060	166	1075G	119	1080.42.370	221	1100.07.050	174	1100.13.96	205
1008.00.16	270	1060.10.52.040	193	1080.07.060	221	1080.42.410	221	1100.07.065	174	1100.13.96.150	205
1009.00.16	270	1060.10.52.060	193	1080.07.075	221	1080.48.430	221	1100.07.080	174	1100.13.98	207
1009.45.16	271	1060.11.055	171	1080.07.52.060	225	1080.48.465	221	1100.07.91.050	180	1100.13.98.150	207
1009.80.10	229	1060.11.085	171	1080.07.52.075	225	1080.50.370	219	1100.07.91.065	180	1100.16.080	174
1010.00.16	270	1060.11.120	171	1080.08.035	219	1080.50.410	219	1100.07.91.080	180	1100.16.110	174
1011.00.08	268	1060.11.52	194	1080.08.040	219	1080.63.460	219	1100.07.94.050	203	1100.16.150	174
1011.00.16	270	1060.11.52.060	194	1080.08.52.035	224	1080.63.500	219	1100.07.94.065	203	1100.16.50	190
1011.00.19	271	1060.11.52.080	194	1080.08.52.040	224	1080.75.560	219	1100.07.94.080	203	1100.16.91.150	180
1011.45.16	271	1060.11.52.105	194	1080.09.080	221	1080.80.650	219	1100.07.96.050	205	1100.16.92	180
1011.80.10	229	1060.12.050	166	1080.09.100	221	1080.85.700	219	1100.07.96.065	205	1100.16.94	203
1012.00.16	270	1060.12.065	166	1080.09.52.080	225	1080.95.750	219	1100.07.96.080	205	1100.16.94.150	203
1012.00.19	271	1060.12.075	166	1080.09.52.100	225	1081.07.060	218	1100.07.98.050	207	1100.16.96	205
1012.45.16	271	1060.12.52.050	193	1080.09.91.080	223	1081.07.075	218	1100.07.98.065	207	1100.16.96.150	205
1013.00.16	270	1060.12.52.065	193	1080.09.91.100	223	1081.09.080	218	1100.07.98.080	207	1100.16.98	207
1013.00.22.08	268	1060.12.52.075	193	1080.10.040	219	1081.09.100	218	1100.08.035	169	1100.16.98.150	207
1013.45.16	271	1060.13.080	171	1080.10.060	219	1081.11.085	218	1100.08.050	169	1100.17.045	169
1013.80.10	229	1060.13.110	171	1080.10.52.040	224	1081.11.120	218	1100.08.91.035	178	1100.17.060	169
1016.00.08	268	1060.13.145	171	1080.10.52.060	224	1081.12.060	217	1100.08.91.050	178	1100.17.080	169
1016.00.16	270	1060.13.52	194	1080.10.91.040	222	1081.12.075	217	1100.08.94.035	202	1100.17.105	169
1016.00.25.08	268	1060.13.52.080	194	1080.10.91.060	222	1081.13.110	218	1100.08.94.050	202	1100.17.50	190
1016.45.16	271	1060.13.52.110	194	1080.11.085	221	1081.13.140	218	1100.08.96.035	204	1100.17.91.105	178
1016.80.10	229	1060.13.52.145	194	1080.11.120	221	1081.16.110	218	1100.08.96.050	204	1100.17.92	178
1017.00.16	270	1060.16.080	171	1080.11.52.080	225	1081.16.140	218	1100.08.98.035	206	1100.17.94	202
1017.00.19	271	1060.16.110	171	1080.11.52.100	225	1081.17.080	217	1100.08.98.050	206	1100.17.94.105	202
1017.45.16	271	1060.16.145	171	1080.11.91.085	223	1081.17.100	217	1100.09.045	174	1100.17.96	204
1017.80.10	229	1060.16.52	194	1080.11.91.120	223	1081.20.110	217	1100.09.060	174	1100.17.96.105	204
1020.00.19	271	1060.16.52.080	194	1080.12.060	219	1081.20.140	217	1100.09.080	174	1100.17.98	206
1020.45.16	271	1060.16.52.110	194	1080.12.075	219	1081.21.160	218	1100.09.105	174	1100.17.98.105	206
1020.80.10	229	1060.16.52.145	194	1080.12.52.060	224	1081.21.190	218	1100.09.91.105	180	1100.20.080	169
1021.00.16	270	1060.17.060	166	1080.12.52.075	224	1081.25.160	217	1100.09.92	180	1100.20.110	169
1021.00.30.08	268	1060.17.080	166	1080.12.91.060	222	1081.25.190	217	1100.09.94	203	1100.20.150	169
1021.45.16	271	1060.17.105	166	1080.12.91.075	222	1081.29.230	218	1100.09.94.105	203	1100.20.50	190
1021.80.10	229	1060.17.52	193	1080.13.110	221	1081.29.255	218	1100.09.96	205	1100.20.91.150	178
1025.00.16	270	1060.17.52.060	193	1080.13.140	221	1081.32.210	217	1100.09.96.105	205	1100.20.92	178
1025.00.19	271	1060.17.52.080	193	1080.13.52.110	225	1081.32.250	217	1100.09.98	207	1100.20.94	202
1025.45.16	271	1060.17.52.105	193	1080.13.52.140	225	1083.12.050	216	1100.09.98.08	269	1100.20.94.150	202
10											

INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
1100.20.98	206	1100.42.98	207	1160.63.520	168	1181.21.160	218	1301.50.340.115	187	1311.16.2.060	184
1100.20.98.150	206	1100.42.98.08	269	1160.75.630	168	1181.21.190	218	1301.50.370.070	187	1311.16.2.075	184
1100.21.125	174	1100.42.98.420	207	1160G	119	1181.25.160	217	1301.50.400.060	187	1311.16.2.090	184
1100.21.160	174	1100.48.370	174	1180.07.060	221	1181.25.190	217	1301.50.400.135	187	1311.16.3.050	184
1100.21.205	174	1100.48.430	174	1180.07.075	221	1181.29.230	218	1301.50.420.140	187	1311.16.3.060	184
1100.21.50	190	1100.48.490	174	1180.08.035	220	1181.29.255	218	1301.63.460.140	187	1311.16.3.070	184
1100.21.91.205	180	1100.48.91.490	180	1180.08.040	220	1181.32.210	217	1301.63.465.060	187	1311.16.4.050	184
1100.21.92	180	1100.48.92	180	1180.09.080	221	1181.32.250	217	1310.09.2.030	183	1311.16.4.060	184
1100.21.94	203	1100.48.94	203	1180.09.100	221	1183.12.050	216	1310.09.2.040	183	1311.16.4.070	184
1100.21.94.205	203	1100.48.94.490	203	1180.09.91.080	223	1183.12.065	216	1310.09.2.050	183	1311.17.2.030	182
1100.21.96	205	1100.48.96	205	1180.09.91.100	223	1300.09.090.042	188	1310.11.2.050	183	1311.17.2.030	183
1100.21.96.205	205	1100.48.96.490	205	1180.10.040	220	1300.13.130.050	188	1310.11.2.060	183	1311.17.2.040	182
1100.21.98	207	1100.48.98	207	1180.10.060	220	1300.13.150.050	188	1310.11.2.075	183	1311.17.2.050	182
1100.21.98.205	207	1100.48.98.08	269	1180.10.91.040	222	1300.16.130.050	188	1310.11.3.050	183	1311.20.2.050	182
1100.25.125	169	1100.48.98.490	207	1180.10.91.060	222	1300.16.150.050	188	1310.13.2.050	183	1311.20.2.060	182
1100.25.160	169	1100.50.330	169	1180.11.085	221	1300.17.090.042	187	1310.13.2.060	183	1311.20.2.075	182
1100.25.205	169	1100.50.370	169	1180.11.120	221	1300.20.130.050	187	1310.13.2.075	183	1311.20.3.050	182
1100.25.50	190	1100.50.420	169	1180.11.91.085	223	1300.20.150.050	187	1310.13.3.050	183	1311.20.3.060	182
1100.25.91.205	178	1100.50.91.420	178	1180.11.91.120	223	1300.21.190.070	188	1310.13.3.060	183	1311.20.3.065	182
1100.25.92	178	1100.50.92	178	1180.12.060	220	1300.21.220.060	188	1310.13.3.065	183	1311.20.4.050	182
1100.25.94	202	1100.50.94	202	1180.12.075	220	1300.21.220.080	188	1310.13.4.050	183	1311.20.4.060	182
1100.25.94.205	202	1100.50.94.420	202	1180.12.91.060	222	1300.25.190.070	187	1310.13.4.060	183	1311.21.2.070	184
1100.25.96	204	1100.50.96	204	1180.12.91.075	222	1300.29.260.070	188	1310.16.2.050	183	1311.21.2.090	184
1100.25.96.205	204	1100.50.96.420	204	1180.13.110	221	1300.29.265.090	188	1310.16.2.060	183	1311.21.2.100	184
1100.25.98	206	1100.50.98	206	1180.13.140	221	1300.29.280.060	188	1310.16.2.075	183	1311.21.2.115	184
1100.25.98.205	206	1100.50.98.08	269	1180.13.91.110	223	1300.29.300.100	188	1310.16.2.090	183	1311.21.3.070	184
1100.29.190	174	1100.50.98.420	206	1180.13.91.140	223	1300.29.320.090	188	1310.16.3.050	183	1311.21.3.090	184
1100.29.230	174	1100.63.400	169	1180.16.110	221	1300.29.330.065	188	1310.16.3.060	183	1311.21.3.105	184
1100.29.275	174	1100.63.460	169	1180.16.140	221	1300.32.220.060	187	1310.16.3.070	183	1311.21.4.070	184
1100.29.50	190	1100.63.520	169	1180.16.91.110	223	1300.32.220.080	187	1310.16.4.050	183	1311.21.4.090	184
1100.29.91.275	180	1100.63.91.520	178	1180.16.91.140	223	1300.40.260.070	187	1310.16.4.060	183	1311.21.6.060	184
1100.29.92	180	1100.63.92	178	1180.17.080	220	1300.40.265.090	187	1310.16.4.070	183	1311.21.6.070	184
1100.29.94	203	1100.63.94	202	1180.17.100	220	1300.40.280.060	187	1310.17.2.030	181	1311.25.2.070	182
1100.29.94.275	203	1100.63.94.520	202	1180.17.91.080	222	1300.40.300.100	187	1310.17.2.040	181	1311.25.2.090	182
1100.29.96	205	1100.63.96	204	1180.17.91.100	222	1300.40.320.090	187	1310.17.2.050	181	1311.25.2.100	182
1100.29.96.275	205	1100.63.96.520	204	1180.20.110	220	1300.40.330.065	187	1310.20.2.050	181	1311.25.3.070	182
1100.29.98	207	1100.63.98	206	1180.20.140	220	1300.42.340.115	188	1310.20.2.060	181	1311.25.3.090	182
1100.29.98.275	207	1100.63.98.08	269	1180.20.91.110	222	1300.42.370.070	188	1310.20.2.075	181	1311.25.4.070	182
1100.32.170	169	1100.63.98.520	206	1180.20.91.140	222	1300.42.400.060	188	1310.20.3.050	181	1311.25.6.060	182
1100.32.210	169	1100.75.500	169	1180.21.160	221	1300.42.400.135	188	1310.20.3.060	181	1311.29.3.090	184
1100.32.255	169	1100.75.560	169	1180.21.190	221	1300.42.420.140	188	1310.20.3.065	181	1311.32.2.115	182
1100.32.50	190	1100.75.630	169	1180.21.91.160	223	1300.48.460.140	188	1310.20.4.050	181	1311.32.3.090	182
1100.32.91.255	178	1100.75.98.08	269	1180.21.91.190	223	1300.48.465.060	188	1310.20.4.060	181	1311.32.3.105	182
1100.32.92	178	1100G	119	1180.25.160	220	1300.50.340.115	187	1310.21.2.070	183	1311.32.4.090	182
1100.32.94	202	1105.98.08	269	1180.25.190	220	1300.50.370.070	187	1310.21.2.090	183	1311.32.6.070	182
1100.32.94.255	202	1106.06.98.08	269	1180.25.91.160	222	1300.50.400.060	187	1310.21.2.100	183	1545.07.06	234
1100.32.96	204	1106.98.08	269	1180.25.91.190	222	1300.50.400.135	187	1310.21.2.115	183	1545.09.08	234
1100.32.96.255	204	1107.98.08	269	1180.29.230	221	1300.50.420.140	187	1310.21.3.070	183	1545.11.07	234
1100.32.98	206	111 010	94	1180.29.255	221	1300.63.460.140	187	1310.21.3.090	183	1545.11.10	234
1100.32.98.255	206	1111.98.08	269	1180.29.91.230	223	1300.63.465.060	187	1310.21.3.105	183	1545.12.06	230
1100.36.260	174	1113.98.22.08	269	1180.29.91.255	223	1301.09.090.042	189	1310.21.4.070	183	1545.12.1.06	232
1100.36.305	174	1116.98.08	269	1180.32.210	220	1301.13.130.050	189	1310.21.4.090	183	1545.13.07	234
1100.36.350	174	1116.98.25.08	269	1180.32.250	220	1301.13.150.050	189	1310.21.6.060	183	1545.13.12	234
1100.36.91.350	180	1121.98.30.08	269	1180.32.91.210	222	1301.16.130.050	189	1310.21.6.070	183	1545.16.11	234
1100.36.92	180	1129.98.08	269	1180.32.91.250	222	1301.16.150.050	189	1310.25.2.070	181	1545.16.14	234
1100.36.94	203	1136.98.08	269	1180.36.305	221	1301.17.090.042	187	1310.25.2.090	181	1545.17.06	230
1100.36.94.350	203	1150G	119	1180.36.350	221	1301.20.130.050	187	1310.25.2.100	181	1545.17.1.06	232
1100.36.96	205	1160.06.025	168	1180.40.285	220	1301.20.150.050	187	1310.25.3.070	181	1545.17.1.10	232
1100.36.96.350	205	1160.06.030	168	1180.40.320	220	1301.21.190.070	189	1310.25.3.090	181	1545.17.10	230
1100.36.98	207	1160.07.065	173	1180.42.370	221	1301.21.220.060	189	1310.25.4.070	181	1545.20.08	230
1100.36.98.350	207	1160.07.075	173	1180.42.410	221	1301.21.220.080	189	1310.25.6.060	181	1545.20.1.08	232
1100.40.240	169	1160.08.030	168	1180.48.430	221	1301.25.190.070	187	1310.29.3.090	183	1545.20.1.13	232
1100.40.285	169	1160.08.040	168	1180.48.465	221	1301.29.260.070	189	1310.32.2.115	181	1545.20.13	230
1100.40.330	169	1160.09.105	173	1180.50.370	220	1301.29.265.090	189	1310.32.3.090	181	1545.21.14	234
1100.40.50	190	1160.10.040	168	1180.50.410	220	1301.29.280.060	189	1310.32.3.105	181	1545.21.18	234
1100.40.91.330	178	1160.10.060	168	1180.63.460	220	1301.29.300.100	189	1310.32.4.090	181	1545.25.1.11	232
1100.40.92	178	1160.11.120	173	1180.63.500	220	1301.29.320.090	189	1310.32.6.070	181	1545.25.1.17	232
1100.40.94	202	1160.12.050	168	1181.07.060	218	1301.29.330.065	189	1311.09.2.030	184	1545.25.1.1	230
1100.40.94.330	202	1160.12.065	168	1181.07.075	218	1301.32.220.060	187	1311.09.2.040	184	1545.25.17	230
1100.40.96	204	1160.12.075	168	1181.09.080	218	1301.32.220.080	187	1311.09.2.050	184	1545.29.25	234
1100.40.96.330	204	1160.13.145	173	1181.09.100	218	1301.40.260.070	187	1311.11.2.050	184	1545.32.1.25	232
1100.40.98	206	1160.16.145	173	1181.11.085	218	1301.40.265.090	187	1311.11.2.060	184	1545.32.25	230
1100.40.98.08	269	1160.17.105	168	1181.11.120	218	1301.40.280.060	187	1311.11.2.075	184	1545.36.33	234
1100.40.98.330	206	1160.20.145	168	1181.12.060	217	1301.40.300.100	187	1311.11.3.050	184	1545.40.1.33	232
1100.42.330	174	1160.21.190	173	1181.12.075	217	1301.40.320.090	187	1311.13.2.050	184	1545.42.38	234
1100.42.370	174	1160.25.190	168	1181.13.110	218	1301.40.330.065	187	1311.13.2.060	184	1545.48.44	234
1100.42.420	174	1160.29.275	173	1181.13.140	218	1301.42.340.115	189	1311.13.2.075	184	1545.50.1.38	232
1100.42.91.420	180	1160.32.255	168	1181.16.110	218	1301.42.370.070	189	1311.13.3.050	184	1545.63.1.44	232
1100.42.92	180	1160.36.350	173	1181.16.140	218	1301.42.400.060					



INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
1545.N1000.22	235	1556.29.25	233	1800.11.11	199	1852.21.15	215	305 130	51	318 219	81
1546.07.06	238	1556.32.1.25	231	1800.11.13	199	1852.21.17	215	305 140	51	318 229	81
1546.09.08	238	1556.32.25	230	1800.11.13.120	196	1852.21.19	215	305 150	51	318 319	81
1546.11.07	238	1556.36.33	233	1800.11.16	199	1852.21.20	215	305 160	51	318 329	81
1546.11.10	238	1556.40.1.33	231	1800.11.17	198	1852.25.15	215	305 170	51	318 419	81
1546.12.06	236	1556.42.38	233	1800.11.20	198	1852.25.17	215	305 180	51	318 429	81
1546.12.1.06	237	1556.48.44	233	1800.11.21	199	1852.25.19	215	3050G	119	318 619	81
1546.13.07	238	1556.50.1.38	231	1800.11.25	198	1852.25.20	215	306 220	72	318 629	81
1546.13.12	238	1556.63.1.44	231	1800.11.29	199	1852.29.20	215	306 229	72	318 719	81
1546.16.11	238	1556.N0375.08	235	1800.11.32	198	1852.29.23	215	306 230	73	318 729	81
1546.16.14	238	1556.N0500.07	235	1800.11.40	198	1852.29.25	215	306 239	73	319 109	30
1546.17.08	236	1556.N0500.12	235	1800.12.03.065	195	1852.32.23	215	306 240	73	319 129	31
1546.17.1.08	237	1556.N0750.14	235	1800.12.03.080	195	1852.32.25	215	306 249	73	319 219	31
1546.20.07	236	1556.N0750.18	235	1800.12.13.065	195	1852.36.26	215	306 250	73	319 229	31
1546.20.1.07	237	1556.N1000.22	235	1800.12.13.080	195	1852.36.30	215	306 259	73	319 319	31
1546.20.1.12	237	1576.07.06	238	1800.13.03.150	196	1852.36.33	215	306 429	76	319 329	31
1546.20.12	236	1576.09.08	238	1800.13.13.150	196	1852.36.35	215	307 009	54	319 419	31
1546.N0375.08	239	1576.11.07	238	1800.16.03.150	196	1852.40.26	215	307 009	59	319 429	31
1546.N0500.07	239	1576.11.10	238	1800.16.13.150	196	1852.40.30	215	307 109	55	319 619	31
1546.N0500.12	239	1576.12.06	236	1800.17.03.105	195	1852.40.33	215	307 109	59	319 629	31
1555.07.06	233	1576.12.1.06	237	1800.17.13.105	195	1852.40.35	215	307 119	55	319 719	31
1555.09.08	233	1576.13.07	238	1800.20.03.150	195	1852.42.35	215	307 119	59	319 729	31
1555.11.07	233	1576.13.12	238	1800.20.13.150	195	1852.42.38	215	307 119	61	319 909	33
1555.11.10	233	1576.16.11	238	1800.21.03.205	196	1852.42.40	215	307 129	55	324 109	33
1555.12.06	230	1576.16.14	238	1800.21.13.205	196	1852.48.48.40	215	307 139	55	324 209	33
1555.12.1.06	231	1576.17.08	236	1800.25.03.205	195	1852.48.48.44	215	307 169	59	324 309	33
1555.13.07	233	1576.17.1.08	237	1800.25.13.205	195	19200-11	159	307 169	68	324 309	35
1555.13.12	233	1576.20.07	236	1800.29.03.275	196	19201-11	159	307 179	60	324 409	34
1555.16.11	233	1576.20.1.07	237	1800.29.13.275	196	19202-11	159	307 189	63	324 419	35
1555.16.14	233	1576.20.1.12	237	1800.32.03.255	195	19203-11	159	307 199	63	324 509	82
1555.17.06	230	1576.20.12	236	1800.32.13.255	195	19205-11	159	307 209	63	324 509	84
1555.17.1.06	231	1576.N0375.08	239	1800.36.03.350	196	19206-11	159	307 219	59	324 609	83
1555.17.1.10	231	1576.N0500.07	239	1800.36.13.350	196	19207-11	159	307 219	69	324 729	85
1555.17.10	230	1576.N0500.12	239	1800.40.03.330	195	19208-11	159	307 229	59	324 809	83
1555.20.08	230	1577.07.06	238	1800.40.13.330	195	19210-11	159	307 229	71	324 809	85
1555.20.1.08	231	1577.09.08	238	1800.42.03.410	196	19211-11	159	307 239	61	324 909	17
1555.20.1.13	231	1577.11.07	238	1800.42.13.410	196	19212-11	159	307 249	66	324 919	23
1555.20.13	230	1577.11.10	238	1800.48.03.490	196	19213-11	159	307 259	67	324 929	22
1555.21.14	233	1577.12.06	236	1800.48.13.490	196	19215-11	159	307 279	61	324 939	37
1555.21.18	233	1577.12.1.06	237	1800.50.03.410	195	19216-11	159	307 319	67	324 949	37
1555.25.1.11	231	1577.13.07	238	1800.50.13.410	195	19217-11	159	307 369	61	324 949	45
1555.25.1.17	231	1577.13.12	238	1800.63.03.520	195	19218-11	159	307 379	62	324 949	97
1555.25.11	230	1577.16.11	238	1800.63.13.520	195	19400-11	159	307 389	59	325 109	17
1555.25.17	230	1577.16.14	238	1800.75.03.630	195	19401-11	159	307 389	71	326 059	90
1555.29.25	233	1577.17.08	236	1800.75.13.630	195	19535-100	159	307 399	58	326 109	91
1555.32.1.25	231	1577.17.1.08	237	1801.10.09	201	19535-200	159	307 409	64	326 209	91
1555.32.25	230	1577.20.07	236	1801.10.11	201	19535-300	159	307 419	65	326 219	92
1555.36.33	233	1577.20.1.07	237	1801.10.13	201	2050G	119	307 429	65	326 219	93
1555.40.1.33	231	1577.20.1.12	237	1801.10.16	201	2075G	119	307 439	59	326 219	94
1555.42.38	233	1577.20.12	236	1801.10.17	200	2100G	119	307 439	70	326 319	93
1555.48.44	233	1577.N0375.08	239	1801.10.20	200	2111.00.08	268	307 459	69	326 329	93
1555.50.1.38	231	1577.N0500.07	239	1801.10.21	201	2111.98.08	269	3075G	119	326 419	93
1555.63.1.44	231	1577.N0500.12	239	1801.10.25	200	2150G	119	309 809	32	326 429	93
1555.N0375.08	235	16040U	124	1801.10.29	201	2160G	119	3100G	119	326 619	93
1555.N0500.07	235	16050T	124	1801.10.32	200	270 810	111	312-750M2	276	326 629	93
1555.N0500.12	235	16050U	124	1801.10.40	200	270 840	111	3150G	119	326 719	93
1555.N0750.14	235	16075T	124	1801.11.09	201	270 850	111	316 109	78	326 729	93
1555.N0750.18	235	16150T	124	1801.11.11	201	304 120	10	316 129	79	331 120	53
1555.N1000.22	235	1617050T	125	1801.11.13	201	304 130	11	316 219	79	331 130	53
1556.07.06	233	1627050T	125	1801.11.16	201	304 140	11	316 229	79	331 140	53
1556.09.08	233	1800.07.03.065	196	1801.11.17	200	304 150	11	316 319	79	331 150	53
1556.11.07	233	1800.07.03.080	196	1801.11.20	200	304 160	12	316 329	79	334 120	14
1556.11.10	233	1800.07.13.065	196	1801.11.21	201	304 200	16	316 419	79	334 140	15
1556.12.06	230	1800.07.13.080	196	1801.11.25	200	304 210	17	316 429	79	334 170	18
1556.12.1.06	231	1800.09.03.105	196	1801.11.29	201	304 240	13	316 619	79	334 180	19
1556.13.07	233	1800.09.13.105	196	1801.11.32	200	304 250	13	316 629	79	334 190	15
1556.13.12	233	1800.10.03.040	195	1801.11.40	200	304 260	13	316 719	79	334 200	15
1556.16.11	233	1800.10.03.060	195	1852.07.05	215	304 270	17	316 729	79	334 210	15
1556.16.14	233	1800.10.09	199	1852.09.07	215	304 289	19	3160G	119	334 220	19
1556.17.06	230	1800.10.11	199	1852.11.07	215	304 290	13	317 109	28	334 230	19
1556.17.1.06	231	1800.10.13	199	1852.11.09	215	304 300	26	317 129	29	334 420	21
1556.17.1.10	231	1800.10.13.040	195	1852.12.05	215	304 310	27	317 219	29	334 430	21
1556.17.10	230	1800.10.13.060	195	1852.13.09	215	304 320	27	317 229	29	336 100	93
1556.20.08	230	1800.10.16	199	1852.13.11	215	304 330	24	317 319	29	336 110	93
1556.20.1.08	231	1800.10.17	198	1852.13.13	215	304 340	25	317 329	29	336 220	74
1556.20.1.13	231	1800.10.20	198	1852.16.07	215	304 350	25	317 419	29	336 230	75
1556.20.13	230	1800.10.21	199	1852.16.13	215	304 360	25	317 429	29	336 240	75
1556.21.14	233	1800.10.25	198	1852.16.15	215	304 370	25	317 619	29	336 250	75
1556.21.18	233	1800.10.29	199	1852.20.07	215	304 429	20	317 629	29	336 420	77
1556.25.1.11	231	1800.10.32	198	1852.20.09	215	304 439	21	317 719	29	336 490	56
1556.25.1.17	231	1800.10.40	198	1852.20.11	215	304 490	25	317 729	29	336 500	57
1556.25.11	230	1800.11.03.120	196	1852.20.13	215	305 110	50	318 109	80	336 510	57
1556.25.17	230	1800.11.09	199	1852.20.15	215	305 120	50	318 129	81	336 520	57

INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
336 530	57	3500.42.40	253	355 229	45	3611/2G.36.08	256	400 110	102	446 349	73
336 540	71	3500.42.50	253	355 319	45	3613.16.08	251	400 120	102	446 349	75
336 550	71	3500.48.40	253	355 329	45	3616.21.08	251	400 130	102	446 350	73
3455.09.12	261	3500.48.50	253	355 519	45	3616.29.08	251	400 140	102	446 359	73
3455.11.17	261	3500.50.29	252	355 529	45	36161/2G.08	255	400 150	102	446 359	75
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
3455.25.17	258	351 120	48	355 779	87	363/4G.21.08	256	421 020	100	446 462 T	57
3455.25.20	258	351 129	48	355 789	87	363/4NPT.21	257	421 100	100	446 469	55
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
3455.32.17	258	351 319	45	355 839	89	3636.48.08	255	422 019	98	446 492 T	71
3455.32.20	258	351 329	45	355 849	89	3636.48.48.08	251	422 020	99	446 499	71
3455.32.25	258	351 519	45	355 859	89	364 019	96	422 027	99	446 509	68
3455.36.40	261	351 529	45	355 869	89	364 059	97	422 027 T	99	446 519	60
3455.40.17	258	351 619	45	355 879	89	364 069	97	422 029	99	446 519	61
3455.40.20	258	351 629	45	355 889	89	364 079	97	422 030	99	446 519	62
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
3455.50.20	258	3511/4G.29	255	3600.06.08	250	3642.48.08	255	422 040	99	446 549	69
3455.50.25	258	35133/8G	255	3600.06.10	250	3645.07.12	255	422 047	99	446 559	71
3455.50.32	258	351G.21	255	3600.07.12	254	3645.09.17	255	422 049	99	446 579	61
3455.50.40	258	351NPT.16	256	3600.07.17	254	3645.11.20	255	422 050	98	446 609	64
3455.63.25	258	352G.36	255	3600.08.10	250	3645.12.17	250	422 057	98	446 609	65
3455.63.32	258	353 109	37	3600.08.12	250	3645.13.20	255	422 059	98	446 612	71
3455.63.40	258	353 209	87	3600.09.17	254	3645.16.25	255	425 235	100	446 619	70
3455.63.50	258	353 309	47	3600.09.20	254	3645.17.20	250	425 245	100	446 629	69
3500.07.06	253	353 309	49	3600.10.07	252	3645.20.25	250	425 255	100	449 019	28
3500.07.08	253	353/4G.09	255	3600.10.09	252	3645.21.32	255	430 002	101	449 019	29
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
3500.09.06	253	353/4NPT.11	256	3600.11.20	254	3645.32.40	250	430 032	101	449 029	32
3500.09.08	253	353/4NPT.13	256	3600.11.25	254	3645.40.50	250	431 002	101	449 039	33
3500.09.10	253	353/8G.07	255	3600.12.09	252	3645.50.63	250	431 012	101	450 049	36
3500.09.12	253	354 109	46	3600.12.17	250	365/8G.16.08	256	431 022	101	450 049	38
3500.10.06	248	354 109	48	3600.12.20	250	367/8G.29.08	256	431 032	101	450 049	39
3500.10.08	248	354 109	49	3600.13.20	254	370 500 - 370 590	40	444 120	10	450 049	44
3500.11.06	253	354 219	47	3600.13.25	254	370 501 - 370 591	40	444 120	11	450 049	45
3500.11.08	253	354 219	49	3600.16.25	254	370 502 - 370 592	40	444 120	16	450 049	46
3500.11.10	253	354 229	47	3600.16.32	254	370 503 - 370 593	40	444 132T	19	450 049	47
3500.11.12	253	354 229	49	3600.17.11	252	375 600 - 375 690	41	444 139	17	450 049	48
3500.11.17	253	354 319	47	3600.17.20	250	375 601 - 375 691	41	444 139	22	450 049	49
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
3500.13.12	253	354 329	49	3600.20.25	250	375 700 - 375 790	41	444 140	17	450 059	45
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
3500.16.17	253	354 529	47	3600.25.21	252	375 800 - 375 890	41	444 170	12	450 069	86
3500.16.20	253	354 529	49	3600.25.32	250	375 801 - 375 891	41	444 422T	21	450 069	87
3500.17.07	252	354 619	47	3600.29.40	254	375 802 - 375 892	41	444 429	20	450 069	88
3500.17.10	248	354 619	49	3600.29.50	254	375 803 - 375 893	41	444 429	21	450 069	89
3500.17.12	248	354 629	47	3600.32.29	252	375 804 - 375 894	41	445 110	50	450 090	42
3500.20.07	252	354 629	49	3600.32.40	250	375 900 - 375 909	41	445 150	50	450 090	43
3500.20.09	252	3545.11.17	254	3600.36.50	254	3755.07.12	261	445 150	51	450 100	40
3500.20.11	252	3545.16.20	254	3600.36.63	254	3755.07.17	261	445 170	51	450 100	41
3500.20.12	248	3545.17.12	249	3600.40.36	252	3755.09.17	261	445 279	92	450 109	40
3500.20.17	248	3545.20.12	249	3600.40.50	250	3755.09.20	261	445 279	93	450 109	41
3500.21.17	253	3545.20.17	249	3600.42.63	254	3755.11.20	261	446 219	90	450 139	33
3500.21.20	253	3545.21.20	254	3600.42.75	254	3755.12.17	259	446 249	82	450 149	33
3500.21.25	253	3545.21.25	254	3600.48.63	254	3755.13.25	261	446 269	80	450 169	34
3500.25.09	252	3545.25.17	249	3600.48.75	254	3755.16.25	261	446 269	81	450 169	35
3500.25.11	252	3545.25.20	249	3600.50.42	252	3755.17.20	259	446 269	83	450 170	17
3500.25.13	252	3545.29.25	254	3600.50.48	252	3755.20.25	259	446 272 T	93	450 191	58
3500.25.16	252	3545.29.32	254	3600.50.63	250	3755.21.32	261	446 279	91	450 191	96
3500.25.17	248	3545.32.20	249	3600.63.75	250	3755.25.32	259	446 289	84	450 199	58
3500.25.20	248	3545.32.25	249	3607.09.08	251	3755.29.40	261	446 289	85	450 199	96
3500.29.25	253	3545.36.40	254	3609.11.08	251	3755.32.40	259	446 299	78	450 209	47
3500.29.32	253	3545.40.25	249	3609.13.08	251	3755.40.50	259	446 299	79	450 209	49
3500.32.20	248	3545.40.32	249	361/2G.11.08	256	3755.42.50	261	446 299	83	450 219	87
3500.32.21	252	3545.50.32	249	361/2G.13.08	256	3755.48.63	261	446 320	72	450 220	41
3500.32.25	248	3545.50.40	249	361/2G.16.08	256	3755.50.63	259	446 329	72	450 229	41
3500.36.32	253	3545.63.40	249	361/2NPT.11	257	385 220	43	446 329	74	450 230	41
3500.36.40	253	3545.63.50	249	361/2NPT.13	257	385 230	43	446 330	73	450 239	41
3500.40.25	248	3548.48.36	249	361/2NPT.16	257	385 240	43	446 330 T	77	450 240	41
3500.40.29	252	355 119	86	3611.13.08	251	385 250	43	446 339	73	450 249	41
3500.40.32	248	355 129	88	3611.16.08	251	395 100	42	446 339	75	462 120	10
3500.42.32	253	355 219	45	3611.21.08	251	395 200	43	446 340	73	462 120	16



INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
462 120	17	475 133	51	476 224	20	476 233	48	476 306	41	490 040	110
462 120	11	475 134	51	476 224	21	476 233	49	476 309	40	490 040	11
462 180	13	475 139	51	476 224	55	476 233	55	476 309	41	490 060	110
462 181	13	475 142	51	476 224	60	476 233	61	476 402	41	490 070	21
462 182	13	475 143	51	476 224	61	476 233	71	476 403	41	490 070	23
462 183	13	475 144	51	476 224	62	476 233	73	476 404	41	490 070	29
462 184	13	475 149	51	476 224	63	476 233	80	476 406	41	490 070	31
462 189	13	475 152	51	476 224	64	476 233	81	476 409	41	490 070	37
463 110	50	475 153	51	476 224	65	476 234	17	476 502	41	490 070	39
463 150	50	475 154	51	476 224	68	476 234	19	476 503	41	490 070	45
463 150	51	475 159	51	476 224	69	476 234	32	476 504	41	490 070	47
463 170	51	475 162	51	476 224	70	476 234	37	476 506	41	490 070	49
466 100	26	475 163	51	476 224	71	476 234	38	476 509	41	490 070	51
466 110	27	475 164	51	476 224	72	476 234	39	476 602	54	490 070	97
466 120	27	475 169	51	476 224	76	476 234	45	476 603	54	490 070	110
467 910	50	475 172	51	476 224	78	476 234	46	476 604	54	490 070	11
467 919	10	475 173	51	476 224	79	476 234	47	476 609	54	490 080	13
467 919	20	475 174	51	476 224	82	476 234	48	478 302	26	490 080	16
467 919	21	475 179	51	476 224	83	476 234	49	478 303	26	490 080	17
467 919	22	476 222	16	476 224	84	476 234	55	478 304	26	490 080	18
467 919	23	476 222	17	476 224	85	476 234	61	478 312	27	490 080	19
467 919	11	476 222	18	476 224	87	476 234	71	478 313	27	490 080	24
467 950	50	476 222	19	476 224	90	476 234	73	478 314	27	490 080	25
467 950	51	476 222	20	476 224	91	476 234	80	478 322	27	490 080	26
467 950	51	476 222	21	476 224	96	476 234	81	478 323	27	490 080	27
467 950	51	476 222	55	476 224	97	476 239	17	478 324	27	490 080	32
474 122	10	476 222	60	476 229	16	476 239	19	478 332	24	490 080	33
474 122	28	476 222	61	476 229	17	476 239	32	478 333	24	490 080	34
474 122	29	476 222	62	476 229	18	476 239	55	478 334	24	490 080	35
474 123	10	476 222	63	476 229	19	476 239	61	478 342	25	490 080	40
474 123	28	476 222	64	476 229	20	476 239	71	478 343	25	490 080	41
474 123	29	476 222	65	476 229	21	476 239	73	478 344	25	490 080	42
474 124	10	476 222	68	476 229	55	476 239	80	478 352	25	490 080	43
474 124	28	476 222	69	476 229	60	476 239	81	478 353	25	490 080	51
474 124	29	476 222	70	476 229	61	476 242	55	478 354	25	490 080	110
474 129	10	476 222	71	476 229	61	476 242	66	478 362	25	490 080	12
474 129	28	476 222	72	476 229	62	476 242	67	478 363	25	490 090	13
474 129	29	476 222	76	476 229	63	476 242	73	478 364	25	490 090	17
474 132	30	476 222	78	476 229	64	476 242	86	478 372	25	490 090	19
474 132	31	476 222	79	476 229	65	476 242	87	478 373	25	490 090	25
474 132	11	476 222	82	476 229	68	476 242	88	478 374	25	490 090	33
474 133	30	476 222	83	476 229	69	476 242	89	480 132	33	490 090	41
474 133	31	476 222	84	476 229	70	476 243	55	480 132	34	490 090	51
474 133	11	476 222	85	476 229	71	476 243	66	480 132	35	490 090	110
474 134	30	476 222	87	476 229	72	476 243	67	480 133	33	490 100	110
474 134	31	476 222	90	476 229	76	476 243	73	480 133	34	492 010	21
474 134	11	476 222	91	476 229	78	476 243	86	480 133	35	492 010	23
474 139	30	476 222	96	476 229	79	476 243	87	480 134	33	492 010	29
474 139	31	476 222	97	476 229	82	476 243	88	480 134	34	492 010	31
474 139	11	476 223	16	476 229	83	476 243	89	480 134	35	492 010	37
474 142	11	476 223	17	476 229	84	476 244	55	480 139	33	492 010	39
474 143	11	476 223	18	476 229	85	476 244	66	480 139	34	492 010	39
474 144	11	476 223	19	476 229	87	476 244	67	480 139	35	492 010	45
474 149	11	476 223	20	476 229	90	476 244	73	480 142	17	492 010	47
474 152	33	476 223	21	476 229	91	476 244	86	480 142	19	492 010	49
474 152	11	476 223	55	476 229	96	476 244	87	480 143	17	492 010	50
474 153	33	476 223	60	476 229	97	476 244	88	480 143	19	492 010	51
474 153	11	476 223	61	476 232	17	476 244	89	480 144	17	492 010	97
474 154	33	476 223	62	476 232	19	476 249	55	480 144	19	492 010	110
474 154	11	476 223	63	476 232	32	476 249	66	480 149	17	492 010	11
474 159	33	476 223	64	476 232	37	476 249	67	480 149	19	492 020	13
474 159	11	476 223	65	476 232	38	476 249	73	485 204	51	492 020	16
474 162	13	476 223	68	476 232	39	476 249	86	485 206	51	492 020	17
474 162	12	476 223	69	476 232	45	476 249	87	485 210	51	492 020	18
474 163	13	476 223	70	476 232	46	476 249	88	485 216	51	492 020	19
474 163	12	476 223	71	476 232	47	476 249	89	485 235	51	492 020	24
474 164	13	476 223	72	476 232	48	476 252	55	490 010	50	492 020	25
474 164	12	476 223	76	476 232	49	476 252	73	490 010	110	492 020	26
474 169	13	476 223	78	476 232	55	476 253	55	490 020	50	492 020	27
474 169	12	476 223	79	476 232	61	476 253	73	490 030	50	492 020	32
474 172	13	476 223	82	476 232	71	476 254	55	490 030	110	492 020	33
474 173	13	476 223	83	476 232	73	476 254	73	490 040	21	492 020	34
474 174	13	476 223	84	476 232	80	476 259	55	490 040	23	492 020	35
474 179	13	476 223	85	476 232	81	476 259	73	490 040	29	492 020	40
475 112	50	476 223	87	476 233	17	476 300	40	490 040	31	492 020	41
475 113	50	476 223	90	476 233	19	476 300	41	490 040	37	492 020	42
475 114	50	476 223	91	476 233	32	476 302	40	490 040	39	492 020	43
475 119	50	476 223	96	476 233	37	476 302	41	490 040	45	492 020	51
475 122	50	476 223	97	476 233	38	476 303	40	490 040	47	492 020	110
475 123	50	476 224	16	476 233	39	476 303	41	490 040	49	492 020	12
475 124	50	476 224	17	476 233	45	476 304	40	490 040	50	492 030	110
475 129	50	476 224	18	476 233	46	476 304	41	490 040	51	493 020	10
475 132	51	476 224	19	476 233	47	476 306	40	490 040	97	493 020	20

INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
493 020	22	495 040	92	496 110	51	496 119	77	496 250	97	498 140	25
493 020	28	495 040	93	496 110	72	496 119	78	496 250	98	498 140	26
493 020	30	495 040	106	496 110	73	496 119	79	496 250	99	498 140	27
493 020	36	495 040	53	496 110	74	496 119	80	496 250	11	498 140	28
493 020	38	495 049	10	496 110	75	496 119	81	496 250	12	498 140	29
493 020	44	495 049	13	496 110	76	496 119	82	496 255	51	498 140	30
493 020	46	495 049	14	496 110	77	496 119	83	496 260	50	498 140	31
493 020	48	495 049	16	496 110	78	496 119	84	496 260	51	498 140	32
493 020	50	495 049	17	496 110	79	496 119	85	496 300	107	498 140	33
493 020	96	495 049	18	496 110	80	496 119	86	498 110	50	498 140	34
493 020	98	495 049	19	496 110	81	496 119	87	498 120	50	498 140	35
493 020	99	495 049	20	496 110	82	496 119	88	498 130	10	498 140	36
493 020	110	495 049	21	496 110	83	496 119	89	498 130	13	498 140	37
493 023	21	495 049	22	496 110	84	496 119	90	498 130	16	498 140	38
493 023	21	495 049	23	496 110	85	496 119	91	498 130	17	498 140	39
493 023	21	495 049	24	496 110	86	496 119	92	498 130	18	498 140	40
493 023	23	495 049	25	496 110	87	496 119	93	498 130	19	498 140	41
493 023	29	495 049	26	496 110	88	496 119	96	498 130	20	498 140	42
493 023	31	495 049	27	496 110	89	496 119	97	498 130	21	498 140	43
493 023	37	495 049	28	496 110	90	496 119	98	498 130	22	498 140	44
493 023	39	495 049	29	496 110	91	496 119	99	498 130	23	498 140	45
493 023	45	495 049	30	496 110	92	496 119	11	498 130	24	498 140	46
493 023	47	495 049	31	496 110	93	496 119	12	498 130	25	498 140	47
493 023	49	495 049	32	496 119	10	496 12A	107	498 130	26	498 140	48
493 023	50	495 049	33	496 119	13	496 13A	107	498 130	27	498 140	49
493 023	51	495 049	34	496 119	13	496 14A	107	498 130	28	498 140	50
493 023	97	495 049	35	496 119	14	496 210	50	498 130	29	498 140	51
493 023	110	495 049	36	496 119	16	496 250	10	498 130	30	498 140	54
493 023	11	495 049	37	496 119	17	496 250	13	498 130	31	498 140	55
493 040	13	495 049	38	496 119	18	496 250	16	498 130	32	498 140	56
493 040	16	495 049	39	496 119	19	496 250	17	498 130	33	498 140	57
493 040	17	495 049	40	496 119	20	496 250	18	498 130	34	498 140	58
493 040	18	495 049	41	496 119	21	496 250	19	498 130	35	498 140	60
493 040	19	495 049	42	496 119	22	496 250	20	498 130	36	498 140	61
493 040	21	495 049	43	496 119	23	496 250	21	498 130	37	498 140	62
493 040	23	495 049	44	496 119	24	496 250	22	498 130	38	498 140	63
493 040	24	495 049	45	496 119	25	496 250	23	498 130	39	498 140	64
493 040	25	495 049	46	496 119	26	496 250	24	498 130	40	498 140	65
493 040	26	495 049	47	496 119	27	496 250	25	498 130	41	498 140	66
493 040	27	495 049	48	496 119	28	496 250	26	498 130	42	498 140	67
493 040	29	495 049	49	496 119	29	496 250	27	498 130	43	498 140	68
493 040	31	495 049	72	496 119	30	496 250	28	498 130	44	498 140	69
493 040	32	495 049	73	496 119	31	496 250	29	498 130	45	498 140	70
493 040	33	495 049	74	496 119	32	496 250	30	498 130	46	498 140	71
493 040	34	495 049	75	496 119	33	496 250	31	498 130	47	498 140	96
493 040	35	495 049	76	496 119	34	496 250	32	498 130	48	498 140	97
493 040	37	495 049	77	496 119	35	496 250	33	498 130	49	498 140	98
493 040	39	495 049	78	496 119	36	496 250	34	498 130	50	498 140	99
493 040	39	495 049	79	496 119	37	496 250	35	498 130	51	498 140	11
493 040	40	495 049	80	496 119	38	496 250	36	498 130	54	498 140	12
493 040	41	495 049	81	496 119	39	496 250	37	498 130	55	498 143	51
493 040	42	495 049	82	496 119	40	496 250	38	498 130	56	498 145	51
493 040	43	495 049	83	496 119	41	496 250	39	498 130	57	498 160	72
493 040	45	495 049	84	496 119	42	496 250	40	498 130	58	498 160	73
493 040	47	495 049	85	496 119	43	496 250	41	498 130	60	498 160	76
493 040	49	495 049	86	496 119	44	496 250	42	498 130	61	498 160	77
493 040	51	495 049	87	496 119	45	496 250	43	498 130	62	498 160	78
493 040	97	495 049	88	496 119	46	496 250	44	498 130	63	498 160	79
493 040	110	495 049	89	496 119	47	496 250	45	498 130	64	498 160	80
493 040	11	495 049	90	496 119	48	496 250	46	498 130	65	498 160	81
493 040	12	495 049	91	496 119	49	496 250	47	498 130	66	498 160	82
495 040	50	495 049	92	496 119	54	496 250	48	498 130	67	498 160	83
495 040	51	495 049	93	496 119	55	496 250	49	498 130	68	498 160	84
495 040	72	495 049	96	496 119	56	496 250	50	498 130	69	498 160	85
495 040	73	495 049	97	496 119	57	496 250	51	498 130	70	498 160	86
495 040	74	495 049	98	496 119	58	496 250	54	498 130	71	498 160	87
495 040	75	495 049	99	496 119	60	496 250	55	498 130	96	498 160	88
495 040	76	495 049	106	496 119	61	496 250	56	498 130	97	498 160	89
495 040	77	495 049	11	496 119	62	496 250	57	498 130	98	498 160	90
495 040	78	495 049	12	496 119	63	496 250	58	498 130	99	498 160	91
495 040	79	495 050	106	496 119	64	496 250	60	498 130	11	498 160	92
495 040	80	495 059	106	496 119	65	496 250	61	498 130	12	498 160	93
495 040	81	495 060	106	496 119	66	496 250	62	498 140	10	498 170	72
495 040	82	495 069	106	496 119	67	496 250	63	498 140	13	498 170	73
495 040	83	495 090	106	496 119	68	496 250	64	498 140	16	498 170	76
495 040	84	495 099	106	496 119	69	496 250	65	498 140	17	498 170	77
495 040	85	495 100	106	496 119	70	496 250	66	498 140	18	498 170	78
495 040	86	495 109	106	496 119	71	496 250	67	498 140	19	498 170	79
495 040	87	495 200	107	496 119	72	496 250	68	498 140	20	498 170	80
495 040	88	495 209	107	496 119	73	496 250	69	498 140	21	498 170	81
495 040	89	495 210	107	496 119	74	496 250	70	498 140	22	498 170	82
495 040	90	495 219	107	496 119	75	496 250	71	498 140	23	498 170	83
495 040	91	496 110	50	496 119	76	496 250	96	498 140	24	498 170	84



INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
498 170	85	505 201	104	516 027	105	518 020	105	5215.16.155	240	553 415	108
498 170	86	505 202	104	516 028	105	518 021	105	5215.16.95	240	553 415	109
498 170	87	505 203	104	516 029	105	518 022	105	5215.17.40.95	240	5540.48.48	241
498 170	88	505 204	104	516 030	105	518 023	105	5215.17.95	240	8000.06.1	242
498 170	89	505 205	104	516 031	105	518 024	105	5215.20.105	240	8000.08.1	242
498 170	90	505 206	104	516 032	105	518 025	105	5215.20.13	240	8000.10.1	242
498 170	91	505 207	104	516 033	105	518 026	105	5215.20.40.105	240	801/2G	243
498 170	92	505 208	104	516 034	105	518 027	105	5215.20.40.13	240	8011/2G	243
498 170	93	505 209	104	516 035	105	518 028	105	5215.25.155	240	8011/4G	243
498 759	23	505 210	104	516 040	105	518 029	105	5215.25.40.155	240	801G	243
498 859	23	505 340	104	516 041	105	518 030	105	525 100	102	803/4G	243
505 000	104	515 000	105	516 042	105	518 031	105	525 101	102	803/8G	243
505 001	104	515 001	105	516 043	105	518 032	105	525 200	102	805/8G	243
505 002	104	515 002	105	516 044	105	518 033	105	525 201	102	8248.48.40	246
505 003	104	515 003	105	516 045	105	518 034	105	525 300	102	8300.12.1	244
505 004	104	515 004	105	516 046	105	518 035	105	525 350	102	8300.17.1	244
505 005	104	515 005	105	516 047	105	518 040	105	525 361	103	8300.20.1	244
505 006	104	515 006	105	516 048	105	518 041	105	525 362	103	8300.25.1	244
505 007	104	515 007	105	517 000	105	518 042	105	525 363	103	8300.32.1	244
505 008	104	515 008	105	517 001	105	518 043	105	525 371	103	8300.40.1	244
505 009	104	515 009	105	517 002	105	518 044	105	525 372	103	8300.50.1	244
505 010	104	515 010	105	517 003	105	518 045	105	525 373	103	8300.63.1	244
505 020	104	515 011	105	517 004	105	518 046	105	525 381	103	8706.11.08	262
505 021	104	515 012	105	517 005	105	518 047	105	525 382	103	8707.11.08	263
505 022	104	515 013	105	517 006	105	518 048	105	525 383	103	8708.11.08	262
505 023	104	515 014	105	517 007	105	519 000	105	528 110	102	8709.11.08	263
505 024	104	515 015	105	517 008	105	519 001	105	5500.20.17	241	8710.11.08	262
505 030	104	515 016	105	517 009	105	519 002	105	5500.20.20	241	8710.96.08	265
505 040	104	515 017	105	517 010	105	519 003	105	5500.20.25	241	8710.96.08.70	264
505 041	104	515 018	105	517 011	105	519 004	105	5500.20.32	241	8710.96.11.08	265
505 042	104	515 019	105	517 012	105	519 005	105	5500.20.40	241	8710.96.11.08.70	264
505 043	104	515 020	105	517 012	105	519 006	105	5500.20.50	241	8711.11.08	263
505 044	104	515 021	105	517 013	105	519 007	105	5500.40.17	241	8712.11.08	262
505 045	104	515 022	105	517 014	105	519 008	105	5500.40.20	241	8712.96.08	265
505 046	104	515 023	105	517 015	105	519 009	105	5500.40.25	241	8712.96.08.70	264
505 047	104	515 024	105	517 016	105	519 010	105	5500.40.32	241	8712.96.11.08	265
505 048	104	515 025	105	517 017	105	519 011	105	5500.40.40	241	8712.96.11.08.70	264
505 049	104	515 026	105	517 018	105	519 012	105	5500.40.50	241	8713.11.08	263
505 050	104	515 027	105	517 019	105	519 013	105	551 010	108	8716.11.08	263
505 051	104	515 028	105	517 020	105	519 014	105	551 010	109	8717.11.08	262
505 052	104	515 029	105	517 021	105	519 015	105	551 011	108	8717.96.08	265
505 053	104	515 030	105	517 022	105	519 016	105	551 011	109	8717.96.08.70	264
505 054	104	515 031	105	517 023	105	519 017	105	551 012	108	8717.96.11.08	265
505 055	104	515 032	105	517 024	105	519 018	105	551 012	109	8717.96.11.08.70	264
505 056	104	515 033	105	517 025	105	519 019	105	551 013	108	8720.11.08	262
505 057	104	515 034	105	517 026	105	519 020	105	551 013	109	8720.96.08	265
505 058	104	515 035	105	517 027	105	519 021	105	551 014	108	8720.96.08.70	264
505 059	104	515 040	105	517 028	105	519 022	105	551 014	109	8720.96.11.08	265
505 060	104	515 041	105	517 029	105	519 023	105	551 015	108	8720.96.11.08.70	264
505 061	104	515 042	105	517 030	105	519 024	105	551 015	109	8721.11.08	263
505 062	104	515 043	105	517 031	105	519 025	105	551 016	108	8725.11.08	262
505 063	104	515 044	105	517 032	105	519 026	105	551 016	109	8725.96.08	265
505 064	104	515 045	105	517 033	105	519 027	105	551 017	108	8725.96.08.70	264
505 065	104	515 046	105	517 034	105	519 028	105	551 017	109	8725.96.11.08	265
505 066	104	515 047	105	517 035	105	519 029	105	551 018	108	8725.96.11.08.70	264
505 067	104	515 048	105	517 040	105	519 030	105	551 018	109	8729.11.08	263
505 068	104	516 000	105	517 041	105	519 031	105	551 019	108	8732.11.08	262
505 069	104	516 001	105	517 043	105	519 032	105	551 019	109	8732.96.08	265
505 070	104	516 002	105	517 044	105	519 033	105	551 020	108	8732.96.08.70	264
505 071	104	516 003	105	517 045	105	519 034	105	551 020	109	8732.96.11.08	265
505 072	104	516 004	105	517 046	105	519 035	105	551 021	108	8732.96.11.08.70	264
505 073	104	516 005	105	517 047	105	519 040	105	551 021	109	8736.11.08	263
505 074	104	516 006	105	517 048	105	519 041	105	551 022	108	8740.11.08	262
505 075	104	516 007	105	518 000	105	519 042	105	551 022	109	8740.96.08	265
505 076	104	516 008	105	518 001	105	519 043	105	551 023	108	8740.96.08.70	264
505 077	104	516 009	105	518 002	105	519 044	105	551 023	109	8740.96.11.08	265
505 078	104	516 010	105	518 003	105	519 045	105	551 024	108	8740.96.11.08.70	264
505 079	104	516 011	105	518 004	105	519 046	105	551 024	109	8748.11.08	263
505 080	104	516 012	105	518 005	105	519 047	105	551 050	109	8748.48.08	263
505 081	104	516 013	105	518 006	105	519 048	105	551 051	109	8750.11.08	262
505 082	104	516 014	105	518 007	105	519 514	105	551 052	109	8750.96.08	265
505 083	104	516 015	105	518 008	105	519 524	105	551 053	109	8750.96.08.70	264
505 084	104	516 016	105	518 009	105	519 534	105	551 054	109	8750.96.11.08	265
505 085	104	516 017	105	518 010	105	5215.09.65	240	551 055	109	8750.96.11.08.70	264
505 090	104	516 018	105	518 011	105	5215.09.95	240	5520.48.48	241	8763.11.08	262
505 091	104	516 019	105	518 012	105	5215.11.105	240	553 315	108	8763.96.08	265
505 092	104	516 020	105	518 013	105	5215.11.65	240	553 315	109	8763.96.08.70	264
505 093	104	516 021	105	518 014	105	5215.11.95	240	553 325	108	8763.96.11.08	265
505 094	104	516 022	105	518 015	105	5215.13.105	240	553 325	109	8763.96.11.08.70	264
505 095	104	516 023	105	518 016	105	5215.13.13	240	553 335	108	8775.11.08	262
505 096	104	516 024	105	518 017	105	5215.13.95	240	553 335	109	8775.96.08	265
505 097	104	516 025	105	518 018	105	5215.16.105	240	553 405	108	8775.96.08.70	264
505 098	104	516 026	105	518 019	105	5215.16.13	240	553 405	109	8775.96.11.08	265

INDEX

PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #	PART #	PAGE #
8775.96.11.08.70	264	H-030-50006	281	MC 25	136	P-420-38103	279		
B 112	214	H-030-50007	281	MC 40	137	P-420-38104	279		
B 117	214	H-030-50008	281	MC 40L	137	P-420-38105	279		
B 120.10	214	H-030-50009	281	MC1050	120	P-420-38106	279		
B 120.12	214	H-030-50010	281	MC1050	136	P-420-38107	279		
B 120.14	214	H-030-50011	281	MC1075	120	P-420-38108	279		
B 125	214	H-030-50012	281	MC1075	136	P-420-38109	279		
B 132	214	H-030-50016	281	MC1100	120	P-420-38110	279		
B 140	214	H-030-50802	281	MC1100	136	P-420-38111	279		
B 150	214	H-030-50803	281	MC1150	120	P-420-38112	279		
B 163	214	H-030-50804	281	MC1150	136	P-420-38116	279		
B 212	214	H-030-50805	281	MC1250	120	PC 12 - 8 B	138		
B 217	214	H-030-50806	281	MC1250	136	PC 12 - 8 H	138		
B 220.10	214	H-030-50807	281	MC2050	120	PC 24 - 14 B	138		
B 220.12	214	H-030-50808	281	MC2050	136	PC 24 - 14 H	138		
B 220.14	214	H-030-50809	281	MC2075	120	PC-1	138		
B 225	214	H-030-50810	281	MC2075	136	PC-2	138		
B 232	214	H-030-50811	281	MC2100	120	SQ 28 - 10	134		
B 240	214	H-030-50812	281	MC2100	136	STCR 20-14	134		
B 250	214	H-030-50816	281	MC2150	120	STRIP 28 - 10	135		
B 263	214	H-040-35002	282	MC2150	136	T-212-350M2	275		
CIRCUIT BREAKER		H-040-35003	282	MC2250	120	T-212-350M3	275		
UL1077	152	H-040-35004	282	MC2250	136	T-312-500M2	275		
CIRCUIT BREAKER		H-040-35005	282	MC3050	120	T-312-500M3	275		
UL489	152	H-040-35006	282	MC3050	136	T-312-508M2	275		
CIRCUIT BREAKER		H-040-35007	282	MC3075	120	T-312-508M2	275		
UL489A	153	H-040-35008	282	MC3075	136	T-312-750M3	276		
CS 60	137	H-040-35009	282	MC3100	120	T-312-762M2	276		
CUT 6	135	H-040-35010	282	MC3100	136	T-312-762M3	276		
DIN 120 GFCI	150	H-040-35011	282	MC3150	120	T-332-381M2	276		
DR-120-24	145	H-040-35012	282	MC3150	136	T-332-381M3	276		
DR-45-24	144	H-040-35013	282	MC3250	120	T-362-500M2	277		
DR-75-24	144	H-040-35014	282	MC3250	136	T-362-500M3	277		
DRP-240-24	145	H-040-38102	282	P-100-50002	278	T-362-508M2	277		
DRT-240-24	145	H-040-38103	282	P-100-50003	278	T-362-508M3	277		
DRT-480-24	145	H-040-38104	282	P-100-50004	278	TCABLE-J	113		
DSUB-15-MF	157	H-040-38105	282	P-100-50005	278	TCABLE-K	113		
DSUB-15-MF-CBL	157	H-040-38106	282	P-100-50006	278	TCB-J	113		
DSUB-25-MF	157	H-040-38107	282	P-100-50007	278	TCB-K	113		
DSUB-25-MF-CBL	157	H-040-38108	282	P-100-50008	278	TCNN-J	113		
DSUB-9-MF	157	H-040-38109	282	P-100-50009	278	TCNN-K	113		
DSUB-9-MF-CBL	157	H-040-38110	282	P-100-50010	278	TRAP 12 - 8 TW	134		
EC 65	137	H-040-38111	282	P-100-50011	278	TRAP 2 - 1	133		
F2400125	146	H-040-38112	282	P-100-50012	278	TRAP 22 - 10	133		
F240025	148	H-040-38116	282	P-100-50024	278	TRAP 24 - 10	133		
F240050	148	H-040-50002	283	P-100-50802	278	TRAP 24 - 14 L	134		
F240050S	146	H-040-50003	283	P-100-50803	278	TRAP 26 - 10 F	133		
F24010	149	H-040-50004	283	P-100-50804	278	TRAP 8 - 1	133		
F24010S	146	H-040-50005	283	P-100-50805	278	TRAP 8 - 4	133		
F24010S-3	148	H-040-50006	283	P-100-50806	278	TS 3 CUT	142		
F24020	149	H-040-50007	283	P-100-50807	278	TS3515SL	141		
F24020-3	149	H-040-50008	283	P-100-50808	278	TS3515SOL	141		
F24020S-3	148	H-040-50009	283	P-100-50809	278	TS3515SOLH	141		
F24040-3	149	H-040-50010	283	P-100-50810	278	TS3575SL	141		
H-030-35002	280	H-040-50011	283	P-100-50811	278	TS3575SL1	141		
H-030-35003	280	H-040-50012	283	P-100-50812	278	TS3575SL1-A	142		
H-030-35004	280	H-040-50016	283	P-100-50824	278	TS3575SOL	141		
H-030-35005	280	H-040-50802	283	P-200-50002	278	VICE 70150	135		
H-030-35006	280	H-040-50803	283	P-200-50003	278	W900832	285		
H-030-35007	280	H-040-50804	283	P-200-50004	278	W900833	285		
H-030-35008	280	H-040-50805	283	P-200-50005	278	W900834	112		
H-030-35009	280	H-040-50806	283	P-200-50006	278	W900834	285		
H-030-35010	280	H-040-50807	283	P-200-50007	278	W900836	285		
H-030-35011	280	H-040-50808	283	P-200-50008	278	W900837	285		
H-030-35012	280	H-040-50809	283	P-200-50009	278	W900838	285		
H-030-35013	280	H-040-50810	283	P-200-50010	278	W900839	285		
H-030-35014	280	H-040-50811	283	P-200-50011	278	W900840	285		
H-030-38102	280	H-040-50812	283	P-200-50012	278	W900841	285		
H-030-38103	280	H-040-50816	283	P-200-50024	278	W900844	285		
H-030-38104	280	IDC-20-M	157	P-420-35002	279	W900857	285		
H-030-38105	280	IDC-20-M-CBL	157	P-420-35003	279	W900858	285		
H-030-38106	280	IDC-24-M	157	P-420-35004	279				
H-030-38107	280	IDC-24-M-CBL	157	P-420-35005	279				
H-030-38108	280	IDC-40-M	157	P-420-35006	279				
H-030-38109	280	IND 20 - 14 L	134	P-420-35007	279				
H-030-38110	280	IND 20 - 6 L	134	P-420-35008	279				
H-030-38111	280	JB-FT10	112	P-420-35009	279				
H-030-38112	280	JB-FT15	112	P-420-35010	279				
H-030-38116	280	JB-FT20	112	P-420-35011	279				
H-030-50002	281	JB-FT5	112	P-420-35012	279				
H-030-50003	281	LC 100	139	P-420-35013	279				
H-030-50004	281	LUG 20 - 10	135	P-420-35014	279				
H-030-50005	281	M20KIT	112	P-420-38102	279				

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- DIN RAIL MOUNTED TERMINAL BLOCKS
 - WIRE DUCT
 - WIRE FERRULES
 - TOOLS
 - DIN RAIL
 - DIN RAIL MOUNTED POWER SUPPLIES
 - DIN RAIL MOUNTED CIRCUIT BREAKERS
 - DIN RAIL MOUNTED FUSE HOLDERS
 - DIN RAIL MOUNTED INTERFACE MODULES
 - DIN RAIL MOUNTED DISCONNECT SWITCHES
 - CABLE GLANDS
 - PRINTED CIRCUIT BOARD TERMINALS & CONNECTORS
 - SCREWDRIVERS



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