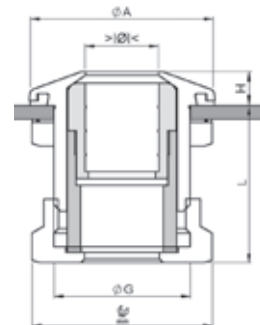


# Progress® ultraFLAT黄铜镀镍电缆接头

## Cable glands Progress® ultraFLAT nickel-plated brass

公制螺纹 | Entry thread metric

前部组件:	半光黄铜镀镍	Front part:	semi-bright nickel-plated brass
固紧螺母:	黄铜镀镍	Push-down nut:	Nickel-plated brass
密封件:	TPE	Seal:	TPE
密封垫圈:	FPM	Sealing washer:	FPM
应力消除:	根据EN62444版本A	Strain relief:	Version A acc. to EN 62444
温度范围:	-40°C / +100°C	Temperature range:	-40°C / +100°C
防护等级:	IP68 (不超过10 bar)	Protection class:	IP 68 (up to 10 bar)
	IP69	Further protection:	IP 69
壁厚:	max. 5 mm	Wall thickness:	max. 5 mm



单体密封件  
非整体长度绝缘

One-piece sealing insert  
not overall length insulated

G	$>\phi<$ min mm	$>\phi<$ max mm	$\phi G$ mm	$\phi A$ mm	H mm	L mm	型号   Art. No.	
M16x1.5	5.0	6.5	19	22	4.0	21	1040.17.40.065	25
M16x1.5	6.5	8.0	19	22	4.0	21	1040.17.40.080	25
M20x1.5	6.0	8.0	24	27	4.5	23	1040.20.40.080	25
M20x1.5	8.0	10.5	24	27	4.5	23	1040.20.40.105	25
M25x1.5	8.0	11.0	30	32	5.5	25	1040.25.40.110	20
M25x1.5	11.0	15.0	30	32	5.5	25	1040.25.40.150	20
M32x1.5	12.5	16.0	36	39	6.0	28	1040.32.40.160	10
M32x1.5	16.0	20.5	36	39	6.0	28	1040.32.40.205	10

可根据要求提供  
不锈钢A2或A4

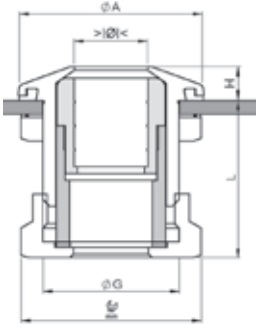
Available on request:  
Stainless and acid resistant steel A4



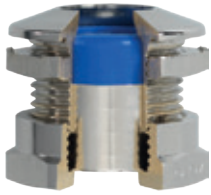
# Progress® ultraFLAT 不锈钢A2电缆接头

## Cable glands Progress® ultraFLAT stainless steel A2

### 公制螺纹 | Entry thread metric



前部组件:	CrNi不锈钢 A2 (DIN EN 1.4305 / AISI 303)	Front part:	CrNi stainless steel A2 (DIN EN 1.4305 / AISI 303)
固紧螺母:	黄铜镀镍	Push-down nut:	Nickel-plated brass
密封件:	FKM	Seal:	FKM
密封垫圈:	FKM	Sealing washer:	FKM
应力消除:	根据EN62444版本A	Strain relief:	Version A acc. to EN 62444
温度范围:	-40°C / +200°C	Temperature range:	-40°C / +200°C
防护等级:	IP68 (不超过10 bar) IP69	Protection class:	IP 68 (up to 10 bar) IP 69
壁厚:	max. 5 mm	Wall thickness:	max. 5 mm
认证:	EHEDG	Certificate:	EHEDG



单体密封件  
非整体长度绝缘

One-piece sealing insert  
not overall length insulated

G	>  $\varnothing$  <	>  $\varnothing$  <	$\varnothing$	H	L	i	型号   Art. No.	
	min mm	max mm	mm	mm	mm	info		
M16x1.5	5.0	6.5	19	22	4.0	21	1040.17.96.30.065	25
M16x1.5	6.5	8.0	19	22	4.0	21	1040.17.96.30.080	25
M20x1.5	6.0	8.0	24	27	4.5	23	1040.20.96.30.080	25
M20x1.5	8.0	10.5	24	27	4.5	23	1040.20.96.30.105	25
M25x1.5	8.0	11.0	30	32	5.5	25	1040.25.96.30.110	20
M25x1.5	11.0	15.0	30	32	5.5	25	1040.25.96.30.150	20
M32x1.5	12.5	16.0	36	39	6.0	28	1040.32.96.30.160	10
M32x1.5	16.0	20.5	36	39	6.0	28	1040.32.96.30.205	10

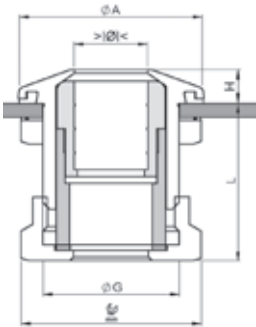
1=可根据要求提供

1 = Available on request

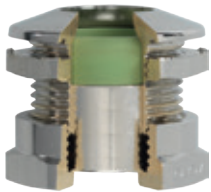
经过FDA易清洁认证的密封件

FDA-cleared sealings

### 公制螺纹 | Entry thread metric



前部组件:	CrNi不锈钢 A2 (DIN EN 1.4305 / AISI 303)	Front part:	CrNi stainless steel A2 (DIN EN 1.4305 / AISI 303)
固紧螺母:	黄铜镀镍	Push-down nut:	Nickel-plated brass
密封件:	FPM	Seal:	FPM
密封垫圈:	FPM	Sealing washer:	FPM
应力消除:	根据EN62444版本A	Strain relief:	Version A acc. to EN 62444
温度范围:	-40°C / +200°C	Temperature range:	-40°C / +200°C
防护等级:	IP68 (不超过10 bar) 不翻译: IP69	Protection class:	IP 68 (up to 10 bar) IP 69
壁厚:	max. 5 mm	Wall thickness:	max. 5 mm



单体密封件  
非整体长度绝缘

One-piece sealing insert  
not overall length insulated

G	>  $\varnothing$  <	>  $\varnothing$  <	$\varnothing$	H	L	i	型号   Art. No.	
	min mm	max mm	mm	mm	mm	info		
M16x1.5	5.0	6.5	19	22	4.0	21	1040.17.96.70.065	25
M16x1.5	6.5	8.0	19	22	4.0	21	1040.17.96.70.080	25
M20x1.5	6.0	8.0	24	27	4.5	23	1040.20.96.70.080	25
M20x1.5	8.0	10.5	24	27	4.5	23	1040.20.96.70.105	25
M25x1.5	8.0	11.0	30	32	5.5	25	1040.25.96.70.110	20
M25x1.5	11.0	15.0	30	32	5.5	25	1040.25.96.70.150	20
M32x1.5	12.5	16.0	36	39	6.0	28	1040.32.96.70.160	10
M32x1.5	16.0	20.5	36	39	6.0	28	1040.32.96.70.205	10

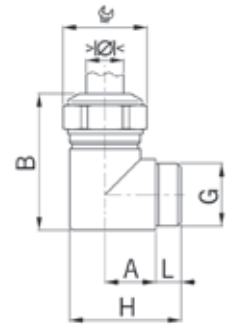
1=可根据要求提供

1 = Available on request

### 公制短螺纹 | Short entry thread metric

材质: 黄铜镀镍  
 密封件: TPE  
 应力消除: 根据EN62444版本A  
 温度范围: -40°C / +100°C  
 防护等级: IP68  
 螺纹: 若螺纹经过有效密封, 防护等级可达IP68

Material: Nickel-plated brass  
 Seal: TPE  
 Strain relief: Version A acc. to EN 62444  
 Temperature range: -40°C / +100°C  
 Protection class: IP 68  
 Entry thread: IP 68, if the entry thread is sealed



#### Progress MS W90

单体密封件 非整体长度绝缘		One-piece sealing insert not overall length insulated	
G	> Ø < min mm	> Ø < max mm	型号   Art. No.
M12x1.5	5.0	6.5	5200.12

可以选配通过EN45545认证的密封件。  
 采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
 When placing an inquiry, prefix the article number by the capital F.



#### Progress MS W90

两件套密封件 非整体长度绝缘		Two-piece sealing insert not overall length insulated	
G	> Ø < min mm	> Ø < max mm	型号   Art. No.
M16x1.5	6.0	8.0	5200.17
M20x1.5	8.0	11.0	5200.20
M25x1.5	12.5	16.0	5200.25
M32x1.5	17.0	21.0	5200.32
M40x1.5	24.0	28.5	5200.40

可以选配通过EN45545认证的密封件。  
 采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
 When placing an inquiry, prefix the article number by the capital F.



### 公制长螺纹 | Long entry thread metric

#### Progress MS W90

单体密封件 非整体长度绝缘		One-piece sealing insert not overall length insulated	
G	> Ø < min mm	> Ø < max mm	型号   Art. No.
M12x1.5	5.0	6.5	5210.12

可以选配通过EN45545认证的密封件。  
 采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
 When placing an inquiry, prefix the article number by the capital F.



#### Progress MS W90

两件套密封件 非整体长度绝缘		Two-piece sealing insert not overall length insulated	
G	> Ø < min mm	> Ø < max mm	型号   Art. No.
M16x1.5	6.0	8.0	5210.17
M20x1.5	8.0	11.0	5210.20
M25x1.5	12.5	16.0	5210.25
M32x1.5	17.0	21.0	5210.32
M40x1.5	24.0	28.5	5210.40

可以选配通过EN45545认证的密封件。  
 采购时需要在型号前加“F”。

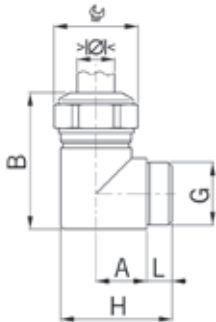
Available with sealing inserts conformity with EN 45545.  
 When placing an inquiry, prefix the article number by the capital F.



# Progress® 黄铜镀镍 90°弯接头

## Cable glands Progress® nickel-plated brass elbow 90°

### Pg短螺纹 | Short entry thread Pg



材质: 黄铜镀镍  
 密封件: TPE  
 温度范围: -40°C / +100°C  
 防护等级: IP68  
 螺纹: 若螺纹经过有效密封, 防护等级可达IP68

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



单体密封件  
非整体长度绝缘

One-piece sealing insert  
not overall length insulated

G	> Ø <	> Ø <	⌀	H	L	A	B	型号   Art. No.	
	min mm	max mm	mm	mm	mm	mm	mm		
Pg 7	5.0	6.5	15	27	8	11	32	<b>5200.07</b>	50

可以选配通过EN45545认证的密封件。  
采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
When placing an inquiry, prefix the article number by the capital F.

#### Progress MS W90



两件套密封件  
非整体长度绝缘

Two-piece sealing insert  
not overall length insulated

G	> Ø <	> Ø <	> Ø <	> Ø <	⌀	H	L	A	B	型号   Art. No.	
	min mm	max mm	min mm	max mm	mm	mm	mm	mm	mm		
Pg 9	6.0	8.0	8.0	10.5	18	30	8	13	36	<b>5200.09</b>	50
Pg 11	5.5	8.5	8.5	12.0	21	35	8	14	40	<b>5200.11</b>	50
Pg 13	8.0	11.0	11.0	15.0	24	41	10	16	44	<b>5200.13</b>	50
Pg 16	8.0	11.0	11.0	15.0	24	41	10	16	44	<b>5200.16</b>	50
Pg 21	12.5	16.0	16.0	20.5	30	44	10	20	52	<b>5200.21</b>	25
Pg 29	19.0	23.0	23.0	27.5	38	56	10	24	65	<b>5200.29</b>	10

可以选配通过EN45545认证的密封件。  
采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
When placing an inquiry, prefix the article number by the capital F.

### Pg长螺纹 | Long entry thread Pg

#### Progress MS W90



单体密封件  
非整体长度绝缘

One-piece sealing insert  
not overall length insulated

G	> Ø <	> Ø <	⌀	H	L	A	B	型号   Art. No.	
	min mm	max mm	mm	mm	mm	mm	mm		
Pg 7	5.0	6.5	15	30	11	11	32	<b>5210.07</b>	50

可以选配通过EN45545认证的密封件。  
采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
When placing an inquiry, prefix the article number by the capital F.

#### Progress MS W90



两件套密封件  
非整体长度绝缘

Two-piece sealing insert  
not overall length insulated

G	> Ø <	> Ø <	> Ø <	> Ø <	⌀	H	L	A	B	型号   Art. No.	
	min mm	max mm	min mm	max mm	mm	mm	mm	mm	mm		
Pg 9	6.0	8.0	8.0	10.5	18	34	11	13	36	<b>5210.09</b>	50
Pg 11	5.5	8.5	8.5	12.0	21	38	11	14	40	<b>5210.11</b>	50
Pg 13	8.0	11.0	11.0	15.0	24	44	13	16	44	<b>5210.13</b>	50
Pg 16	8.0	11.0	11.0	15.0	24	44	13	16	44	<b>5210.16</b>	50
Pg 21	12.5	16.0	16.0	20.5	30	48	14	20	52	<b>5210.21</b>	25
Pg 29	19.0	23.0	23.0	27.5	38	60	14	24	65	<b>5210.29</b>	10

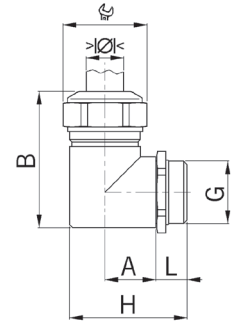
可以选配通过EN45545认证的密封件。  
采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
When placing an inquiry, prefix the article number by the capital F.

公制长螺纹, 带锁紧螺母 | Long entry thread metric with lock nut

材质: 黄铜镀镍  
 密封件: TPE  
 O型圈: NBR  
 应力消除: 根据EN62444版本A  
 温度范围: -40°C / +100°C  
 防护等级: IP68

Material: Nickel-plated brass  
 Seal: TPE  
 O-ring: NBR  
 Strain relief: Version A acc. to EN 62444  
 Temperature range: -40°C / +100°C  
 Protection class: IP 68



### Progress MS W90

单体密封件  
非整体长度绝缘

One-piece sealing insert  
not overall length insulated

G	> Ø < min mm	> Ø < max mm	mm	H mm	L mm	A mm	B mm	型号   Art. No.	型号   Art. No.
M12x1.5	5.0	6.5	15	30	12	11	32	5215.12	50

可以选配通过EN45545认证的密封件。  
采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
When placing an inquiry, prefix the article number by the capital F.



### Progress MS W90

两件套密封件  
非整体长度绝缘

Two-piece sealing insert  
not overall length insulated

G	> Ø < min mm	> Ø < max mm	> Ø < min mm	> Ø < max mm	mm	H mm	L mm	A mm	B mm	型号   Art. No.	型号   Art. No.
M16x1.5	6.0	8.0	8.0	10.5	18	34	12	13	36	5215.17	50
M20x1.5	8.0	11.0	11.0	15.0	24	39	12	16	44	5215.20	50
M25x1.5	12.5	16.0	16.0	20.5	30	48	14	20	52	5215.25	25
M32x1.5	17.0	21.0	21.0	25.5	36	56	16	23	60	5215.32	25
M40x1.5	24.0	28.5	28.5	33.0	46	66	16	28	72	5215.40	10

可以选配通过EN45545认证的密封件。  
采购时需要在型号前加“F”。

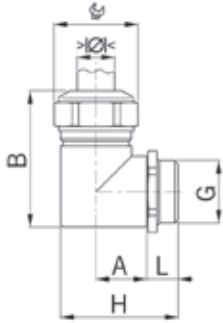
Available with sealing inserts conformity with EN 45545.  
When placing an inquiry, prefix the article number by the capital F.



# Progress® 黄铜镀镍 90°弯接头

## Cable glands Progress® nickel-plated brass elbow 90°

Pg制长螺纹，带锁紧螺母 | Long entry thread Pg with lock nut



材质: 黄铜镀镍  
 密封件: TPE  
 O型圈: NBR  
 温度范围: -40°C / +100°C  
 防护等级: IP68

Material: Nickel-plated brass  
 Seal: TPE  
 O-ring: NBR  
 Temperature range: -40°C / +100°C  
 Protection class: IP 68



### Progress MS W90

单体密封件  
 非整体长度绝缘

One-piece sealing insert  
 not overall length insulated

G	> Ø < min mm	> Ø < max mm	mm	H mm	L mm	A mm	B mm
Pg 7	5.0	6.5	15	30	11	11	32

型号 | Art. No.



**5215.07**

50

可以选配通过EN45545认证的密封件。  
 采购时需要在型号前加“F”。

Available with sealing inserts conformity with EN 45545.  
 When placing an inquiry, prefix the article number by the capital F.



### Progress MS W90

两件套密封件  
 非整体长度绝缘

Two-piece sealing insert  
 not overall length insulated

G	> Ø < min mm	> Ø < max mm	> Ø < min mm	> Ø < max mm	mm	H mm	L mm	A mm	B mm
Pg 9	6.0	8.0	8.0	10.5	18	34	11	13	36
Pg 11	5.5	8.5	8.5	12.0	21	38	11	14	40
Pg 13	8.0	11.0	11.0	15.0	24	44	13	16	44
Pg 16	8.0	11.0	11.0	15.0	24	44	13	16	44
Pg 21	12.5	16.0	16.0	20.5	30	48	14	20	52
Pg 29	19.0	23.0	23.0	27.5	38	60	14	24	65

型号 | Art. No.



**5215.09**

50

**5215.11**

50

**5215.13**

50

**5215.16**

50

**5215.21**

25

**5215.29**

10

可以选配通过EN45545认证的密封件。  
 采购时需要在型号前加“F”。

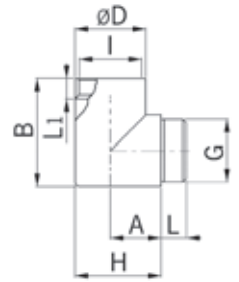
Available with sealing inserts conformity with EN 45545.  
 When placing an inquiry, prefix the article number by the capital F.



### 公制螺纹 | Entry thread metric

材质: 黄铜镀镍  
 O型圈: NBR  
 温度范围: -40°C / +100°C  
 防护等级: IP54  
 若螺纹经过有效密封,  
 防护等级可达IP68

Material: Nickel-plated brass  
 O-ring: NBR  
 Temperature range: -40°C / +100°C  
 Protection class: IP 54  
 Further protection: IP 68, if the entry thread is sealed



带O型圈 with O-ring								型号   Art. No.	
G	I	D mm	L mm	L1 mm	A mm	B mm	H mm		
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

### Pg 螺纹 | Entry thread Pg

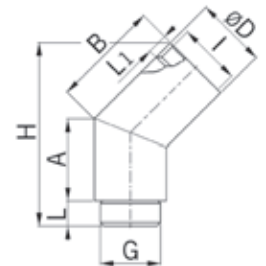
带O型圈 with O-ring								型号   Art. No.	
G	I	D mm	L mm	L1 mm	A mm	B mm	H mm		
Pg 7	Pg 7	16	7.0	7	13	23	21	5607	50
Pg 9	Pg 9	18	7.0	7	15	26	24	5609	50
Pg 11	Pg 11	22	8.0	8	18	31	29	5611	50
Pg 13	Pg 13	24	10.0	10	19	34	31	5613	50
Pg 16	Pg 16	26	10.0	10	20	36	33	5616	50
Pg 21	Pg 21	34	11.0	11	24	46	41	5621	25
Pg 29	Pg 29	41	11.0	11	28	52	49	5629	20
Pg 36	Pg 36	52	12.0	17	38	82	64	5636	10



### 公制螺纹 | Entry thread metric

材质: 黄铜镀镍  
 O型圈: NBR  
 温度范围: -40°C / +100°C  
 防护等级: IP54  
 若螺纹经过有效密封,  
 防护等级可达IP68

Material: Nickel-plated brass  
 O-ring: NBR  
 Temperature range: -40°C / +100°C  
 Protection class: IP 54  
 Further protection: IP 68, if the entry thread is sealed



带O型圈 with O-ring								型号   Art. No.	
G	I	D mm	L mm	L1 mm	A mm	B mm	H mm		
M16x1.5	M16x1.5	19	6.5	7	13	18	26	5717	50
M20x1.5	M20x1.5	24	6.0	10	17	23	33	5720	50
M25x1.5	M25x1.5	29	7.5	10	18	25	36	5725	25
M32x1.5	M32x1.5	36	8.5	11	21	28	41	5732	25

### Pg 螺纹 | Entry thread Pg

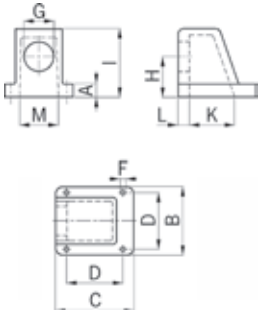
带O型圈 with O-ring								型号   Art. No.	
G	I	D mm	L mm	L1 mm	A mm	B mm	H mm		
Pg 11	Pg 11	22	8	11	16	20	30	5711	50
Pg 16	Pg 16	26	10	12	18	23	34	5716	50
Pg 21	Pg 21	34	11	12	21	26	39	5721	25
Pg 29	Pg 29	41	8	16	27	32	-	5729	25



# 压铸锌90°法兰弯接头

## Flanged elbow 90° zinc diecasting

### 公制螺纹 | Entry thread metric



材质: 压铸锌  
 密封件: NBR  
 温度范围: -40°C / +100°C  
 防护等级: IP65  
 性能: 用于电缆或软管接头与带螺纹孔壁进行防溅安装

Material: Zinc diecasting  
 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



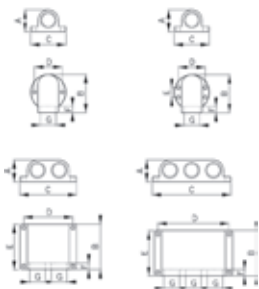
带1个螺纹口										with 1 entry thread	
G	B/C mm	D mm	F mm	A mm	H mm	I mm	K mm	L mm	M mm	型号   Art. No.	
M16x1.5	45 x 48	37	4.3	8	15.5	30	28	10.5	24	5517	10
M20x1.5	53 x 56	44	5.5	8	18.0	35	34	10.5	24	5520	10
M25x1.5	63 x 65	54	5.5	8	22.5	42	43	11.0	35	5525	5
M32x1.5	71 x 75	60	5.5	10	27.0	52	53	11.0	38	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

### Pg 螺纹 | Entry thread Pg



带1个螺纹口										with 1 entry thread	
G	B/C mm	D mm	F mm	A mm	H mm	I mm	K mm	L mm	M mm	型号   Art. 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

### Pg 螺纹 | Entry thread Pg



材质: 压铸锌  
 颜色: 铁灰色釉  
 密封件: NBR  
 温度范围: -40°C / +100°C  
 防护等级: IP65  
 性能: 用于电缆或软管接头与带螺纹孔壁进行防溅安装

Material: Zinc diecasting  
 Colour: Hammergrey enamel  
 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



带1至3个螺纹口										With 1 to 3 entry threads	
G	□ x	A mm	B mm	C mm	D mm	E mm	F mm			Art.-Nr.   Art. 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



# 用于扁平电缆和圆形电缆的通用电缆接口 Universal cable entry for flat and round cables

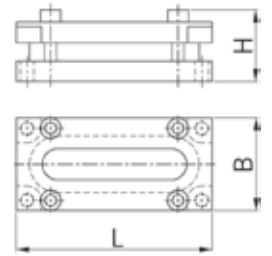
适配扁平电缆和圆形电缆 | For flat and round cables

材质: 铝 (AlMgSi0.5)  
性能: 普遍适用于一根或几根不同尺寸和直径的电缆, 最大电缆尺寸70x12mm

Material: Alu (AlMgSi0.5)  
Properties: Universally applicable for one or several cable(s) with various dimensions and diameters.  
Max. cable dimension 70x12 mm.

密封件: NBR  
温度范围: -40°C / +100°C  
防护等级: IP54 - IP68

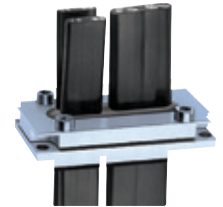
Seal: NBR  
Temperature range: -40°C / +100°C  
Protection class: IP 54 - IP 68



两件套铝壳  
带密封垫圈  
通用密封件

Two-piece aluminium housing  
With sealing washer  
Universal sealing insert

L x B mm		H mm	型号   Art. No.	
95x45	70.0x12.0	35	1370.15	5
95x45	49.0x4.5	35	1370.15.49.04	5
95x45	2x49.0x4.5	35	1370.15.49.45	5
95x45	63.0x12.0	35	1370.15.63.12	5
95x45	max.70.0x12.0	35	1370.15.30	5



技术注解

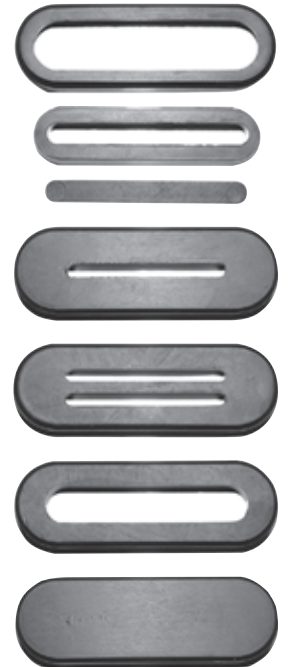
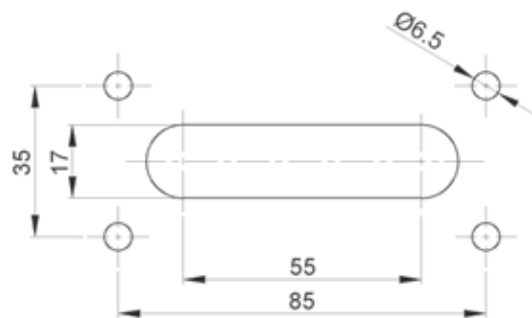
Technical note

对实心橡胶密封件进行钻孔加工, 以适应相应的电缆直径 (圆形电缆  $\varnothing +1$  mm)

Drill solid rubber inserts to match the appropriate cable diameter (round cables  $\varnothing +1$  mm)

将密封件冷却到零下25°C以下时, 易于在密封件上开孔。

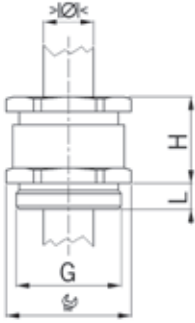
When frozen to at least -25°C, the solid sealing inserts are easy to drill.



# 黄铜镀镍电缆接头，符合 DIN46320-C4-MS

## Cable glands nickel-plated brass according to DIN 46320-C4-MS

### 公制短螺纹 | Short entry thread metric





材质: 黄铜镀镍  
 密封件: NBR  
 温度范围: -20°C / +80°C  
 防护等级: IP54

Material: Nickel-plated brass  
 Seal: NBR  
 Temperature range: -20°C / +80°C  
 Protection class: IP 54



单体密封件  
 非整体长度绝缘

One piece sealing ring  
 not overall length insulated



G	$\gt;\varnothing<$ min mm	$\gt;\varnothing<$ max mm	 mm	H mm	L mm	型号   Art. 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	39.0	41.0	57/54	34	9	B 150	10
M63x1.5	45.0	47.0	66/60	35	10	B 163	10

### 公制长螺纹 | Long entry thread metric



单体密封件  
 非整体长度绝缘

One piece sealing ring  
 not overall length insulated

G	$\gt;\varnothing<$ min mm	$\gt;\varnothing<$ max mm	 mm	H mm	L mm	型号   Art. 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	39.0	41.0	57/54	34	14	B 250	10
M63x1.5	45.0	47.0	66/60	35	14	B 263	10

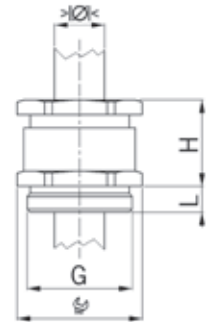
# 黄铜镀镍电缆接头，符合 DIN46320-C4-MS

## Cable glands nickel-plated brass according to DIN 46320-C4-MS

### Pg短螺纹 | Short entry thread Pg

材质: 黄铜镀镍  
 密封件: NBR  
 温度范围: -20°C / +80°C  
 防护等级: IP54

Material: Nickel-plated brass  
 Seal: NBR  
 Temperature range: -20°C / +80°C  
 Protection class: IP 54



单体密封件 非整体长度绝缘		One piece sealing ring not overall length insulated					型号   Art. No.	
G	$\gt;\varnothing<$ min mm	$\gt;\varnothing<$ max mm	 mm	H mm	L mm			
Pg 7	5.0	7.0	14/13	15	5	B 107	50	
Pg 9	4.0	10.0	17/15	15	5	B 109	50	
Pg 11	6.5	12.0	20/18	17	6	B 111	50	
Pg 13	6.5	13.5	22/20	20	6	B 113	50	
Pg 16	6.5	16.0	24/22	22	6	B 116	50	
Pg 21	9.0	20.0	30/28	24	7	B 121	50	
Pg 29	17.0	28.0	40/37	26	8	B 129	25	
Pg 36	23.0	34.0	50/47	30	9	B 136	10	
Pg 42	29.0	40.0	57/54	34	10	B 142	10	
Pg 48	35.0	46.0	64/60	37	10	B 148.48	10	

### Pg长螺纹 | Long entry thread Pg

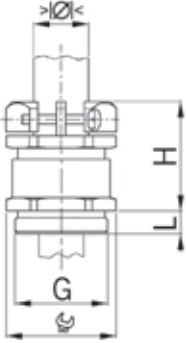
单体密封件 非整体长度绝缘		One piece sealing ring not overall length insulated					型号   Art. No.	
G	$\gt;\varnothing<$ min mm	$\gt;\varnothing<$ max mm	 mm	H mm	L mm			
Pg 9	4.0	10.0	17/15	15	15	B 209	50	
Pg 11	6.5	12.0	20/18	17	15	B 211	50	
Pg 13	6.5	13.5	22/20	20	15	B 213	50	
Pg 16	6.5	16.0	24/22	22	15	B 216	50	
Pg 21	9.0	20.0	30/28	24	15	B 221	50	
Pg 29	17.0	28.0	40/37	26	15	B 229	25	
Pg 36	23.0	34.0	50/47	30	15	B 236	10	
Pg 42	29.0	40.0	57/54	34	15	B 242	10	
Pg 48	35.0	46.0	64/60	37	15	B 248.48	10	



# 黄铜镀镍带卡箍电缆接头

## Cable glands nickel-plated brass with clamps

### 公制短螺纹 | Short entry thread metric



材质: 黄铜镀镍  
 密封件: NBR  
 温度范围: -20°C / +80°C  
 防护等级: IP54

Material: Nickel-plated brass  
 Seal: NBR  
 Temperature range: -20°C / +80°C  
 Protection class: IP 54



单体密封件  
 非整体长度绝缘

One piece sealing ring  
 not overall length insulated

G	$\gt;\varnothing<$ min mm	$\gt;\varnothing<$ max mm	 mm	H mm	L mm	型号   Art. No.	
M12x1.5	5.0	7.0	14/17	22	5	<b>1803.12</b>	50
M16x1.5	6.0	8.0	17/20	25	6	<b>1803.17</b>	50
M20x1.5	8.0	10.0	24/27	26	6	<b>1803.20</b>	50
M25x1.5	15.0	17.0	30/35	28	6	<b>1803.25</b>	25
M32x1.5	24.0	26.0	40/43	29	6	<b>1803.32</b>	25
M40x1.5	33.0	35.0	50/55	33	7	<b>1803.40</b>	10

### Pg短螺纹 | Short entry thread Pg



单体密封件  
 非整体长度绝缘

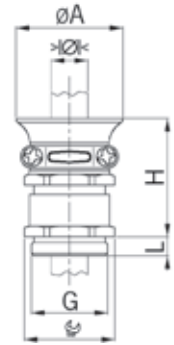
One piece sealing ring  
 not overall length insulated

G	$\gt;\varnothing<$ min mm	$\gt;\varnothing<$ max mm	 mm	H mm	L mm	型号   Art. No.	
Pg 7	6.0	8.0	14/16	22	5	<b>1803.07</b>	50
Pg 9	8.0	10.0	17/19	25	6	<b>1803.09</b>	50
Pg 11	10.0	12.0	20/22	26	6	<b>1803.11</b>	50
Pg 13	12.0	14.0	22/24	27.5	6.5	<b>1803.13</b>	50
Pg 16	14.0	16.0	24/27	28.5	6.5	<b>1803.16</b>	50
Pg 21	14.0	16.0	30/34	33	7	<b>1803.21</b>	25
Pg 29	24.0	26.0	40/42	36	8	<b>1803.29</b>	25
Pg 36	30.0	32.0	50/52	41	9	<b>1803.36</b>	10
Pg 42	39.0	41.0	57/59	45	10	<b>1803.42</b>	10
Pg 48	45.0	47.0	64/64	48	10	<b>1803.48.48</b>	10

### 公制短螺纹 | Short entry thread metric

材质: 黄铜镀镍  
 密封件: NBR  
 温度范围: -20°C / +80°C  
 防护等级: IP54

Material: Nickel-plated brass  
 Seal: NBR  
 Temperature range: -20°C / +80°C  
 Protection class: IP 54



单体密封件 非整体长度绝缘		One piece sealing ring not overall length insulated					型号   Art. No.	
G	> Ø < min mm	> Ø < max mm	 mm	H mm	L mm	ØA mm		
M16x1.5	6.0	8.0	18/17	29	5	22	1801.17	50
M20x1.5	8.0	10.0	22/20	31	6	26	1801.20.10	50
M20x1.5	10.0	12.0	22/22	32	6	29	1801.20.12	50
M20x1.5	12.0	14.0	22/24	34	6	32	1801.20.14	50
M25x1.5	15.0	17.0	30/30	37	7	38	1801.25	50
M32x1.5	24.0	26.0	40/41	43	8	50	1801.32	25



### Pg短螺纹 | Short entry thread Pg

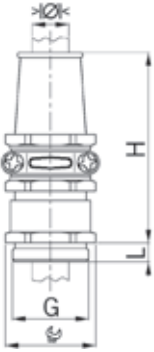
单体密封件 非整体长度绝缘		One piece sealing ring not overall length insulated					型号   Art. No.	
G	> Ø < min mm	> Ø < max mm	 mm	H mm	L mm	ØA mm		
Pg 9	6.0	9.0	17	29	6	22	1801.09	50
Pg 11	8.0	12.0	20	31	6	26	1801.11	50
Pg 13	9.0	14.0	22	32	6	29	1801.13	50
Pg 16	10.0	16.0	24	34	6	32	1801.16	50
Pg 21	14.0	21.0	30	37	7	38	1801.21	50
Pg 29	18.0	30.0	40	43	8	50	1801.29	25



# 黄铜镀镍带防扭曲管和卡箍电缆接头

## Cable glands nickel-plated brass with antikink nozzle and clamps

公制短螺纹 | Short entry thread metric



材质: 黄铜镀镍  
 密封件: NBR  
 防扭曲管: NBR  
 温度范围: -20°C / +80°C  
 防护等级: 若螺纹经过有效密封, 防护等级可达IP65

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



单体密封件  
非整体长度绝缘

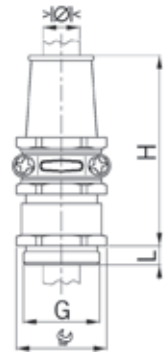
One piece sealing ring  
not overall length insulated

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	型号   Art. No.	
M12x1.5	3.5	5.0	14/15	43	5	1852.12.05	25
M16x1.5	5.5	7.0	17/18	44	6	1852.16.07	25
M20x1.5	5.5	7.0	20/22	49	6	1852.20.07	25
M20x1.5	7.5	9.0	20/22	49	6	1852.20.09	25
M20x1.5	9.0	11.0	22/22	54	6	1852.20.11	25
M20x1.5	11.0	13.0	22/22	54	6	1852.20.13	25
M20x1.5	13.0	15.0	24/24	58	6	1852.20.15	25
M25x1.5	13.5	15.0	30/30	71	7	1852.25.15	25
M25x1.5	15.0	17.0	30/30	71	7	1852.25.17	25
M25x1.5	17.0	19.0	30/30	71	7	1852.25.19	25
M25x1.5	18.0	20.0	30/30	71	7	1852.25.20	25
M32x1.5	21.0	23.0	40/40	81	8	1852.32.23	1
M32x1.5	23.0	25.0	40/40	81	8	1852.32.25	1
M40x1.5	23.0	26.0	50/50	99	9	1852.40.26	1
M40x1.5	27.0	30.0	50/50	99	9	1852.40.30	1
M40x1.5	30.0	33.0	50/50	99	9	1852.40.33	1
M40x1.5	32.0	35.0	50/50	99	9	1852.40.35	1



材质: 黄铜镀镍  
 密封件: NBR  
 防扭曲管: NBR  
 温度范围: -20°C / +80°C  
 防护等级: 若螺纹经过有效密封, 防护等级可达IP65

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



单体密封件  
 非整体长度绝缘

One piece sealing ring  
 not overall length insulated

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	型号   Art. No.	
Pg 7	3.5	5.0	14/16	46	5	1852.07.05	50
Pg 9	5.5	7.0	17/19	45	6	1852.09.07	50
Pg 11	5.5	7.0	20/22	45	6	1852.11.07	50
Pg 11	7.5	9.0	20/22	49	6	1852.11.09	50
Pg 13	7.5	9.0	22/24	54	6	1852.13.09	25
Pg 13	9.0	11.0	22/24	54	6	1852.13.11	25
Pg 13	11.0	13.0	22/24	54	6	1852.13.13	25
Pg 16	11.5	13.0	24/27	58	6	1852.16.13	25
Pg 16	13.0	15.0	24/27	58	6	1852.16.15	25
Pg 21	13.5	15.0	30/34	71	7	1852.21.15	25
Pg 21	15.0	17.0	30/34	71	7	1852.21.17	25
Pg 21	17.0	19.0	30/34	71	7	1852.21.19	25
Pg 21	18.0	20.0	30/34	71	7	1852.21.20	25
Pg 29	18.0	20.0	40/42	71	8	1852.29.20	1
Pg 29	21.0	23.0	40/42	82	8	1852.29.23	1
Pg 29	23.0	25.0	40/42	82	8	1852.29.25	1
Pg 36	23.0	26.0	50/52	101	9	1852.36.26	1
Pg 36	27.0	30.0	50/52	101	9	1852.36.30	1
Pg 36	30.0	33.0	50/52	99	9	1852.36.33	1
Pg 36	32.0	35.0	50/52	99	9	1852.36.35	1
Pg 42	32.0	35.0	57/62	104	10	1852.42.35	1
Pg 42	35.0	38.0	57/62	104	10	1852.42.38	1
Pg 42	36.0	40.0	57/62	104	10	1852.42.40	1
Pg 48	36.0	40.0	64/68	110	10	1852.48.48.40	1
Pg 48	40.0	44.0	64/68	110	10	1852.48.48.44	1