

## Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

### Application

- Provide a liquidtight and strain relief termination for flexible type neoprene, hypalon, and PVC jacketed power or control cord and cable.
- For use in wet or dry locations sealing electrical connections against dust and dirt, oil, water or other atmosphere containing moisture.

### Features

- Available in straight or 90°, aluminum or steel construction to meet the requirements of rugged service on all types of equipment and in all non-hazardous areas.
- Identification label clearly states the catalog number and minimum-maximum cable diameter range for which the connector is designed.
- Neoprene sealing grommet firmly but safely grips cable jacket providing strain relief protecting internal wiring connections against external tension on cable or cord.
- Steel or Teflon\* washer reduces friction between grommet and connector cap providing even pressure distribution eliminating leakage resulting from grommet distortion.
- Large aluminum connectors 1-1/2" thru 4" and all steel connectors are constructed with hex head cap as preferred by some industries.
- For particularly harsh applications, wire mesh strain reliefs may be used with cord and cable connectors. (See pages CC-6 and CC-7)

### Standard Materials

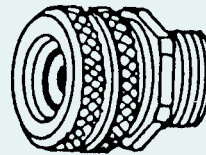
- CG Aluminum connectors consist of aluminum body and cap of copper-free aluminum (4/10 of 1% copper or less). Sealing grommet is neoprene, and washer is steel or Teflon\*. 90° connectors have cast aluminum bodies.
- CG Steel connectors sizes 1/4" thru 2" have machined steel body and cap. Sealing grommet is neoprene and washer is steel or Teflon\*. 90° connectors have malleable iron bodies.
- CG Wire Mesh Strain Reliefs are available in sizes 3/8" thru 4". Aluminum cap is copper free. Steel cap is steel, zinc plate. Wire mesh is stainless steel.

### Sizes

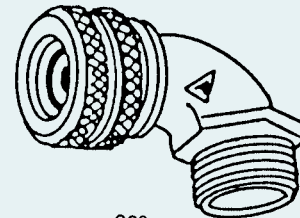
- CG Series in aluminum construction is available in straight type from 1/4" thru 4", 90° type from 3/8" thru 1-1/4".
- CG Series in steel construction is available in straight type from 1/4" thru 2" and 90° type from 3/8" thru 1-1/4".

### Note

- For locknuts, see section CF.

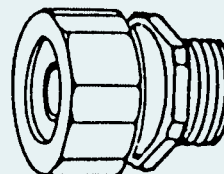


Straight

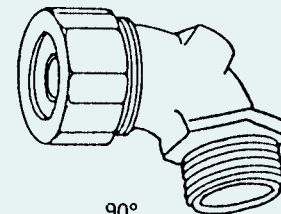


Aluminum

90°



Straight

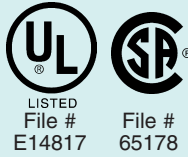


Steel

90°

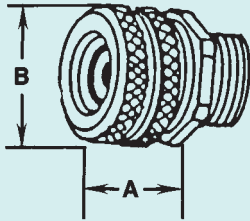
\* Teflon is a registered trademark of E.I. DuPont de Nemours and Co.

Class I, Div. 2;  
 Class II, Div. 1 and 2;  
 Class III;  
 NEC 501-4(b), 502-4(a)(2), 503-3(a)

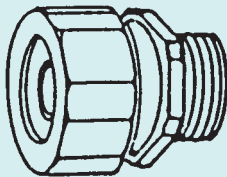


## Straight Liquidtight Strain Relief Cord and Cable Connectors

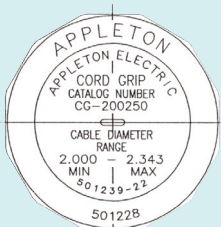
Catalog No.		Cable Range (In.)	Color-Coded Label	Dimension (In.)		Wt. Lbs. ALU	Per 100 STL	Std. Pkg.
Aluminum	Steel			A	B			
<b>1/4 Inch Hubs</b>								
CG-0625	CG-0625S	.060— .156	Purple/Pink	7/8	3/4	....	....	25
CG-1525	CG-1525S	.156— .250	Orange/Gray	7/8	3/4	3.7	9.0	25
<b>3/8 Inch Hubs</b>								
CG-1238	CG-1238S	.125— .187	Red	13/16	15/16	5.6	14.8	25
CG-1838	CG-1838S	.187— .312	Brown	13/16	15/16	5.0	13.2	25
CG-3138	CG-3138S	.312— .437	Yellow	13/16	15/16	5.6	14.8	25
<b>1/2 Inch Hubs</b>								
CG-1250	CG-1250S	.125— .187	Red	13/16	15/16	6.0	15.6	25
CG-1850	CG-1850S	.187— .312	Brown	13/16	15/16	6.0	15.6	25
CG-3150	CG-3150S	.312— .437	Yellow	13/16	15/16	6.0	15.6	25
CG-3750	CG-3750S	.375— .500	Purple	13/16	1-1/4	8.0	20.8	25
CG-5050	CG-5050S	.500— .625	Pink	13/16	1-1/4	8.0	20.8	25
CG6250*	CG-6250S*	.625— .750	Orange	13/16	1-1/4	8.0	20.8	25
<b>3/4 Inch Hubs</b>								
CG-1275	CG-1275S	.125— .250	Blue	7/8	1-1/4	10.0	26.0	25
CG-2575	CG-2575S	.250— .375	Green	7/8	1-1/4	10.0	26.0	25
CG-3775	CG-3775S	.375— .500	Purple	7/8	1-1/4	10.0	26.0	25
CG-5075	CG-5075S	.500— .625	Pink	7/8	1-1/4	10.0	26.0	25
CG-6275	CG-6275S	.625— .750	Orange	7/8	1-3/8	10.0	26.0	25
CG-7575*	CG-7575S*	.750— .875	Gray	7/8	1-3/8	10.0	26.0	25
<b>1 Inch Hubs</b>								
CG-37100	CG-37100S	.375— .500	Purple	15/16	1-3/8	15.0	39.0	10
CG-50100	CG-50100S	.500— .625	Pink	15/16	1-3/8	15.0	39.0	10
CG-62100	CG-62100S	.625— .750	Orange	15/16	1-3/8	15.0	39.0	10
CG-75100	CG-75100S	.750— .875	Gray	15/16	1-3/4	15.0	39.0	10
CG-87100	CG-87100S	.875— 1.000	Red	15/16	1-3/4	15.0	39.0	10
CG-100100*	CG-100100S*	1.000— 1.125	Blue	15/16	1-3/4	15.0	39.0	10
<b>1-1/4 Inch Hubs</b>								
CG-75125	CG-75125S	.750— .875	Gray	1-1/16	1-3/4	23.0	60.0	10
CG-87125	CG-87125S	.875— 1.000	Red	1-1/16	1-3/4	25.0	65.0	10
CG-100125	CG-100125S	1.000— 1.125	Blue	1-1/16	2-1/8	25.0	65.0	10
CG-112125	CG-112125S	1.125— 1.250	Brown	1-1/16	2-1/8	25.0	65.0	10
CG-125125*	CG-125125S*	1.250— 1.375	Green	1-1/16	2-1/8	22.0	57.0	10
CG-137125*	CG-137125S*	1.375— 1.500	Yellow	1-1/16	2-1/8	20.0	52.0	10
<b>1-1/2 Inch Hubs</b>								
CG-115150	CG-115150S	1.156— 1.312		1-15/16	2-3/16	31.1	92.0	10
CG-128150++	CG-128150S	1.281— 1.531		2-5/8	2-9/16	61.2	160.0	10
<b>2 Inch Hubs</b>								
CG-153200+	CG-153200S	1.531— 1.780		2-7/16	3	95.0	230.0	5
CG-165200++	....	1.650— 2.000		2-7/16	3-3/16	100.0		5
<b>2-1/2 Inch Hubs</b>								
CG-200250++	....	2.000— 2.343		3-1/16	3-7/16	141.3		5
CG-225250++	....	2.250— 2.500		3-1/16	3-11/16	141.9		5
<b>3 Inch Hubs</b>								
CG-250300++	....	2.500— 2.843		3-1/16	4-1/16	196.3		5
CG-268300++	....	2.687— 3.062		3-1/4	4-1/2	256.3		5
<b>3-1/2 Inch Hubs+</b>								
CG-300350	....	3.000— 3.390		3-1/4	4-3/4	212.5		1
CG-328350	....	3.281— 3.515		3-1/4	5	225.0		1
<b>4 Inch Hubs+</b>								
CG-350400	....	3.500— 3.843		3-1/4	5-1/4	275.0		1
CG-375400	....	3.750— 4.000		3-1/4	5-1/2	293.8		1



Aluminum



Steel



Color-coded label

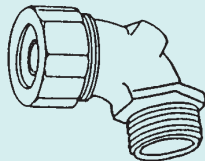
+Not UL Listed      ++Not CSA Certified  
 \*Remove sufficient outer covering of cord or cable to pass conductors through connector body.

## 90° Liquidtight Strain Relief Cord and Cable Connectors

Catalog No.		Cable Range (In.)	Color-Coded Label	Dimension (In.)		Wt. Lbs. ALU	Per 100 STL	Std. Pkg.
Aluminum	Steel			A	B			

### 3/8 Inch Hubs

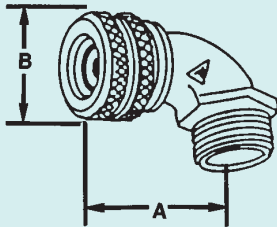
CG90-1238	CG90-1238S	.125— .187	Red	1-5/8	15/16	13.0	34.0	25
CG90-1838	CG90-1838S	.187— .312	Brown	1-5/8	15/16	7.0	18.4	25
CG90-3138*	CG90-3138S*	.312— .437	Yellow	1-5/8	15/16	7.0	18.4	25



Steel

### 1/2 Inch Hubs

CG90-1250	CG90-1250S	.125— .250	Blue	1-5/8	1-1/4	13.0	34.0	25
CG90-2550	CG90-2550S	.250— .375	Green	1-5/8	1-1/4	13.0	34.0	25
CG90-3750	CG90-3750S	.375— .500	Purple	1-5/8	1-1/4	12.0	31.2	25
CG90-5050*	CG90-5050S*	.500— .625	Pink	1-1/2	1-1/4	10.0	26.0	25
CG90-6250*	CG90-6250S*	.625— .750	Orange	1-1/2	1-1/4	12.0	31.2	25



Aluminum

### 3/4 Inch Hubs

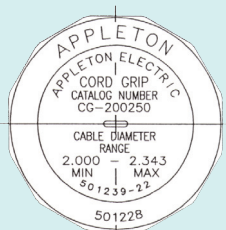
CG90-2575	CG90-2575S	.250— .375	Green	1-3/4	1-3/8	16.0	41.6	25
CG90-3775	CG90-3775S	.375— .500	Purple	1-3/4	1-3/8	16.0	41.6	25
CG90-5075	CG90-5075S	.500— .625	Pink	1-3/4	1-3/8	16.0	41.6	25
CG90-6275*	CG90-6275S*	.625— .750	Orange	1-5/8	1-3/8	16.0	41.6	25
CG90-7575*	CG90-7575S*	.750— .875	Gray	1-5/8	1-3/8	16.0	41.6	25

### 1 Inch Hubs

CG90-62100	CG90-62100S	.625— .750	Orange	2-3/16	1-3/4	26.0	67.6	10
CG90-75100	CG90-75100S	.750— .875	Gray	2-3/16	1-3/4	40.0	104.0	10
CG90-87100*	CG90-87100S*	.875— 1.000	Red	2-3/16	1-3/4	25.0	65.0	10
CG90-100100*	CG90-100100S*	1.000— 1.125	Blue	2-3/16	1-3/4	26.0	67.6	10

### 1-1/4 Inch Hubs

CG90-75125	CG90-75125S	.750— .875	Gray	2-9/16	2-1/8	40.0	104.0	10
CG90-87125	CG90-87125S	.875— 1.000	Red	2-9/16	2-1/8	41.0	106.6	10
CG90-100125	CG90-100125S	1.000— 1.125	Blue	2-9/16	2-1/8	39.0	101.4	10
CG90-112125*	CG90-112125S*	1.125— 1.250	Brown	2-7/16	2-1/8	38.0	98.8	10
CG90-125125*	CG90-125125S*	1.250— 1.375	Green	2-7/16	2-1/8	60.0	156.0	5
CG90-137125*	CG90-137125S*	1.375— 1.500	Yellow	2-7/16	2-1/8	35.0	91.0	5



Color-coded label

\*Remove sufficient outer covering of cord or cable to pass conductors through connector body.

## Replacement Neoprene Glands for “CG” and “CG90” Connectors

Catalog No.	Use With “CG”	Use With “CG90”	Cable Range (In.)	Wt. Lbs. Per 100	Ctn. Qty.	Std. Pkg.
<b>For Connectors with 3/8 Inch Hubs</b>						
CGG-221	-1238	-1238	.125— .187	2.5	25	100
CGG-222	-1838	-1838	.187— .312	1.9	25	100
CGG-223	-3138	-3138	.312— .437	1.3	25	100
<b>For Connectors with 1/2 Inch Hubs</b>						
CGG-221	-1250	....	.125— .187	2.5	25	100
CGG-271	....	-1250	.125— .250	1.9	25	100
CGG-222	-1850	....	.187— .312	1.9	25	100
CGG-272	....	-2550	.250— .375	1.3	25	100
CGG-223	-3150	....	.312— .437	1.3	25	100
CGG-273	-3750	-3750	.375— .500	1.9	25	100
CGG-274	-5050	-5050	.500— .625	1.3	25	50
CGG-275	-6250	-6250	.625— .750	1.0	25	50
<b>For Connectors with 3/4 Inch Hubs</b>						
CGG-271	-1275	....	.125— .250	1.9	25	100
CGG-272	-2575	....	.250— .375	1.3	25	100
CGG-325	....	-2575	.250— .375	1.3	25	100
CGG-273	-3775	....	.375— .500	1.9	25	100
CGG-321	....	-3775	.375— .500	1.9	25	50
CGG-274	-5075	....	.500— .625	1.3	25	50
CGG-322	....	-5075	.500— .625	1.3	25	50
CGG-323	-6275	-6275	.625— .750	1.0	25	50
CGG-324	-7575	-7575	.750— .875	1.0	—	25
<b>For Connectors with 1 Inch Hubs</b>						
CGG-321	-37100	....	.375— .500	1.9	25	50
CGG-322	-50100	....	.500— .625	1.3	25	50
CGG-323	-62100	....	.625— .750	1.0	25	50
CGG-374	....	-62100	.625— .750	1.0	25	50
CGG-371	-75100	-75100	.750— .875	2.9	—	25
CGG-372	-87100	-87100	.875— 1.000	2.5	—	25
CGG-373	-100100	-100100	1.000— 1.125	2.2	—	25
<b>For Connectors with 1-1/4 Inch Hubs</b>						
CGG-371	-75125	....	.750— .875	2.9	—	25
CGG-425	....	-75125	.750— .875	2.9	—	25
CGG-372	-87125	....	.875— 1.000	2.5	—	25
CGG-426	....	-87125	.875— 1.000	2.5	—	25
CGG-421	-100125	-100125	1.000— 1.125	2.2	—	25
CGG-422	-112125	-112125	1.125— 1.250	1.9	—	25
CGG-423	-125125	-125125	1.250— 1.375	1.6	—	25
CGG-424	-137125	-137125	1.375— 1.500	1.3	—	25



Steel Backed Neoprene Sealing Gaskets—Catalog Section ST

Steel Gasketed Sealing Locknuts—Catalog Section CF-2

## Wire Mesh Strain Relief for Aluminum Cord Connectors

For Aluminum Cord Connectors		Use Catalog Number	Dimensions (In.)		Wt. Lbs. Per 100	Ctn. Qty.	Std. Pkg.
CG-Straight	CG-90°		A	B			

### For Connectors with 3/8 Inch Hubs

CG-1238	CG90-1238	<b>CG-SR1</b>	15/16	3-5/8	5.4	5	25
CG-1838	CG90-1838	<b>CG-SR2</b>	15/16	4-3/8	5.4	5	25
CG-3138	CG90-3138	<b>CG-SR3</b>	15/16	5-1/2	5.4	5	25

### For Connectors with 1/2 Inch Hubs

CG-1250	....	<b>CG-SR1</b>	15/16	3-5/8	11.7	5	25
....	CG90-1250	<b>CG-SR4</b>	1-1/4	4-3/8	11.7	5	25
CG-1850	....	<b>CG-SR2</b>	15/16	4-3/8	11.7	5	25
....	CG90-2550	<b>CG-SR5</b>	1-1/4	5-1/2	11.7	5	25
CG-3150	....	<b>CG-SR3</b>	15/16	5-1/2	11.7	5	25
CG-3750	CG90-3750	<b>CG-SR6</b>	1-1/4	6-1/8	11.7	5	25
CG-5050	CG90-5050	<b>CG-SR7</b>	1-1/4	6-7/8	11.7	5	25
CG-6250	CG90-6250	<b>CG-SR8</b>	1-1/4	9-3/8	11.7	5	25

### For Connectors with 3/4 Inch Hubs

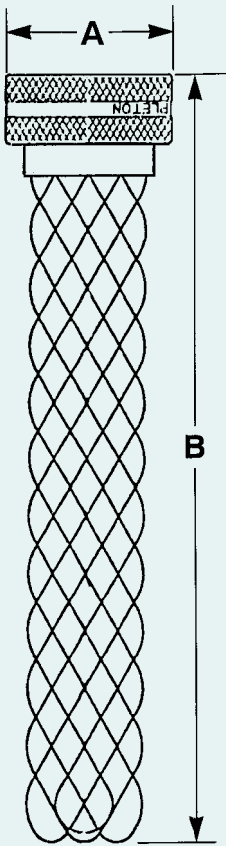
CG-1275	....	<b>CG-SR4</b>	1-1/4	4-3/8	16.1	5	25
CG-2575	....	<b>CG-SR5</b>	1-1/4	5-1/2	16.1	5	25
....	CG90-2575	<b>CG-SR9</b>	1-3/8	4-1/8	16.1	5	25
CG-3775	....	<b>CG-SR6</b>	1-1/4	6-1/8	16.1	5	25
....	CG90-3775	<b>CG-SR10</b>	1-3/8	5-1/2	16.1	5	25
CG-5075	....	<b>CG-SR7</b>	1-1/4	6-7/8	16.1	5	25
....	CG90-5075	<b>CG-SR11</b>	1-3/8	6-3/8	16.1	5	25
CG-6275	CG90-6275	<b>CG-SR12</b>	1-3/8	8-3/8	16.1	5	25
CG-7575	CG90-7575	<b>CG-SR13</b>	1-3/8	9-1/8	16.1	2	10

### For Connectors with 1 Inch Hubs

CG-37100	....	<b>CG-SR10</b>	1-3/8	5-1/2	18.7	5	25
CG-50100	....	<b>CG-SR11</b>	1-3/8	6-3/8	18.7	5	25
CG-62100	....	<b>CG-SR12</b>	1-3/8	8-3/8	18.7	5	25
....	CG90-62100	<b>CG-SR14</b>	1-3/4	9-1/16	18.7	2	10
CG-75100	CG90-75100	<b>CG-SR15</b>	1-3/4	9-1/16	18.7	2	10
CG-87100	CG90-87100	<b>CG-SR16</b>	1-3/4	7-15/16	18.7	2	10
CG-100100	CG90-100100	<b>CG-SR17</b>	1-3/4	7-15/16	18.7	2	10

### For Connectors with 1-1/4 Inch Hubs

CG-75125	....	<b>CG-SR15</b>	1-3/4	9-1/16	21.4	2	10
....	CG90-75125	<b>CG-SR18</b>	2-1/8	8-15/16	21.4	2	10
CG-87125	....	<b>CG-SR16</b>	1-3/4	7-15/16	21.4	2	10
....	CG90-87125	<b>CG-SR19</b>	2-1/8	7-15/16	21.4	2	10
CG-100125	CG90-100125	<b>CG-SR20</b>	2-1/8	8-11/16	21.4	2	10
CG-112125	CG90-112125	<b>CG-SR21</b>	2-1/8	9-5/16	21.4	2	10
CG-125125	CG90-125125	<b>CG-SR22</b>	2-1/8	11-9/16	21.4	2	10
CG-137125	CG90-137125	<b>CG-SR23</b>	2-1/8	10-13/16	21.4	2	10



# Wire Mesh Strain Relief for Steel Cord Connectors

For Steel Cord Connectors		Use Catalog Number	Dimensions (In.)		Wt. Lbs. Per 100	Ctn. Qty.	Std. Pkg.
CG-Straight	CG-90°		A	B			
<b>For Connectors with 3/8 Inch Hubs</b>							
CG-1238S	CG90-1238S	<b>CG-SR1S</b>	15/16	3-5/8	5.4	5	25
CG-1838S	CG90-1838S	<b>CG-SR2S</b>	15/16	4-3/8	5.4	5	25
CG-3138S	CG90-3138S	<b>CG-SR3S</b>	15/16	5-1/2	5.4	5	25
<b>For Connectors with 1/2 Inch Hubs</b>							
CG-1250S	....	<b>CG-SR1S</b>	15/16	3-5/8	11.7	5	25
....	CG90-1250S	<b>CG-SR4S</b>	1-1/4	4-3/8	11.7	5	25
CG-1850S	....	<b>CG-SR2S</b>	15/16	4-3/8	11.7	5	25
....	CG90-2550S	<b>CG-SR5S</b>	1-1/4	5-1/2	11.7	5	25
CG-3150S	....	<b>CG-SR3S</b>	15/16	5-1/2	11.7	5	25
CG-3750S	CG90-3750S	<b>CG-SR6S</b>	1-1/4	6-1/8	11.7	5	25
CG-5050S	CG90-5050S	<b>CG-SR7S</b>	1-1/4	6-7/8	11.7	5	25
CG-6250S	CG90-6250S	<b>CG-SR8S</b>	1-1/4	9-3/8	11.7	5	25
<b>For Connectors with 3/4 Inch Hubs</b>							
CG-1275S	....	<b>CG-SR4S</b>	1-1/4	4-3/8	16.1	5	25
CG-2575S	....	<b>CG-SR5S</b>	1-1/4	5-1/2	16.1	5	25
....	CG90-2575S	<b>CG-SR9S</b>	1-3/8	4-1/8	16.1	5	25
CG-3775S	....	<b>CG-SR6S</b>	1-1/4	6-1/8	16.1	5	25
....	CG90-3775S	<b>CG-SR10S</b>	1-3/8	5-1/2	16.1	5	25
CG-5075S	....	<b>CG-SR7S</b>	1-1/4	6-7/8	16.1	5	25
....	CG90-5075S	<b>CG-SR11S</b>	1-3/8	6-3/8	16.1	5	25
CG-6275S	CG90-6275S	<b>CG-SR12S</b>	1-3/8	8-3/8	16.1	5	25
CG-7575S	CG90-7575S	<b>CG-SR13S</b>	1-3/8	9-1/8	16.1	2	10
<b>For Connectors with 1 Inch Hubs</b>							
CG-37100S	....	<b>CG-SR10S</b>	1-3/8	5-1/2	18.7	5	25
CG-50100S	....	<b>CG-SR11S</b>	1-3/8	6-3/8	18.7	5	25
CG-62100S	....	<b>CG-SR12S</b>	1-3/8	8-3/8	18.7	5	25
....	CG90-62100S	<b>CG-SR14S</b>	1-3/4	9-1/16	18.7	2	10
CG-75100S	CG90-75100S	<b>CG-SR15S</b>	1-3/4	9-1/16	18.7	2	10
CG-87100S	CG90-87100S	<b>CG-SR16S</b>	1-3/4	7-15/16	18.7	2	10
CG-100100S	CG90-100100S	<b>CG-SR17S</b>	1-3/4	7-15/16	18.7	2	10
<b>For Connectors with 1-1/4 Inch Hubs</b>							
CG-75125S	....	<b>CG-SR15S</b>	1-3/4	9-1/16	21.4	2	10
....	CG90-75125S	<b>CG-SR18S</b>	2-1/8	8-15/16	21.4	2	10
CG-87125S	....	<b>CG-SR16S</b>	1-3/4	7-15/16	21.4	2	10
....	CG90-87125S	<b>CG-SR19S</b>	2-1/8	7-15/16	21.4	2	10
CG-100125S	CG90-100125S	<b>CG-SR20S</b>	2-1/8	8-11/16	21.4	2	10
CG-112125S	CG90-112125S	<b>CG-SR21S</b>	2-1/8	9-5/16	21.4	2	10
CG-125125S	CG90-125125S	<b>CG-SR22S</b>	2-1/8	11-9/16	21.4	2	10
CG-137125S	CG90-137125S	<b>CG-SR23S</b>	2-1/8	10-13/16	21.4	2	10

