

### Fittings for Technical Gases

Developed for a quick connection of tubing or piping systems, this face seal fitting provides easy installation without any axial movement of the tubing or piping (zero clearance assembly) even in cramped installation areas.

### Pressure Ratings

The fittings are designed in accordance to the AD-2000 directives PN 400 BAM certified. Burn-out approved for pressure impacts of gases on oxygen up to 400 bar/ 58,000 psi.

### Temperature Ratings

FPM O-Ring	-10 to +100° C
Stainless-Steel Gasket, silver plated	-60 to +200°
C Oxygen	-10 to +60° C

Other materials and temperature ratings upon request.

### Leakage

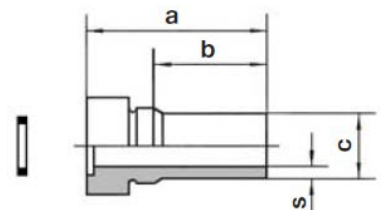
$$\leq 10^{-6} \text{ mbar l/s}$$

### Material

Stainless-Steel 1.4571 or alternatives as shown in tables.

### Gland for Metal-Gasket, orbital weld end

Catalogue no.		DN	a	b	c	s
2.401.1.185.060.10.2		3	35	25	6	1.0
2.401.1.185.060.15.2		3	35	25	6	1.5
2.401.1.186.060.10.2		6	40	27	6	1.0
2.401.1.186.060.15.2		6	40	27	6	1.5
2.401.1.186.080.10.2		6	40	27	8	1.0
2.401.1.186.080.15.2		6	40	27	8	1.5
2.401.1.186.100.15.2		6	40	27	10	1.5
2.401.1.186.100.20.2		6	40	27	10	2.0
2.401.1.186.120.15.2		6	40	27	12	1.5
2.401.1.186.120.20.2		6	40	27	12	2.0
2.401.1.187.100.15.2		10	50	34	10	1.5
2.401.1.187.100.20.2		10	50	34	10	2.0
2.401.1.187.120.15.2		10	50	34	12	1.5
2.401.1.187.120.20.2	*	10	50	34	12	2.0
2.401.1.187.160.20.2		10	50	34	16	2.0



\* preferred size

**METRIC CONVERSIONS:**

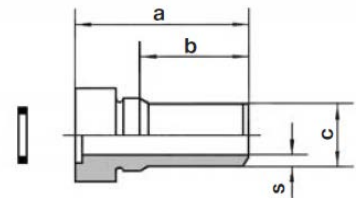
1 bar = 14.5 psi

 $^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$ 

### Gland for Metal-Gasket, beveled weld end

Catalogue no.		DN	a	b	c	s
2.401.2.185.060.10.2		3	35	25	6	1.0
2.401.2.185.060.15.2		3	35	25	6	1.5
2.401.2.186.060.10.2		6	40	27	6	1.0
2.401.2.186.060.15.2		6	40	27	6	1.5
2.401.2.186.080.10.2		6	40	27	8	1.0
2.401.2.186.080.15.2		6	40	27	8	1.5
2.401.2.186.100.15.2		6	40	27	10	1.5
2.401.2.186.100.20.2		6	40	27	10	2.0
2.401.2.186.120.15.2		6	40	27	12	1.5
2.401.2.186.120.20.2		6	40	27	12	2.0
2.401.2.187.100.15.2		10	50	34	10	1.5
2.401.2.187.100.20.2	*	10	50	34	10	2.0
2.401.2.187.120.15.2		10	50	34	12	1.5
2.401.2.187.120.20.2		10	50	34	12	2.0
2.401.2.187.160.20.2		10	50	34	16	2.0
2.401.2.187.160.30.2		10	50	34	16	3.0
2.401.2.187.172.32.2	*	10	50	34	17,2	3.2
2.401.2.188.213.32.2		15	50	30	21,3	3.2
2.401.2.188.220.30.2	*	15	50	30	22	3.0
2.401.2.188.250.40.2		15	50	30	25	4.0
2.401.2.188.269.40.2		15	50	30	26,9	4.0

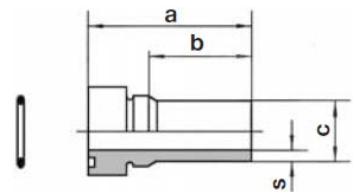
\* preferred size



### Gland for O-ring, orbital weld end

Catalogue no.		DN	a	b	c	s
2.404.1.185.060.10.2	*	3	35	25	6	1.0
2.404.1.185.060.15.2		3	35	25	6	1.5
2.404.1.186.060.10.2	*	6	40	27	6	1.0
2.404.1.186.060.15.2		6	40	27	6	1.5
2.404.1.186.080.10.2		6	40	27	8	1.0
2.404.1.186.080.15.2		6	40	27	8	1.5
2.404.1.186.100.15.2	*	6	40	27	10	1.5
2.404.1.186.100.20.2	*	6	40	27	10	2.0
2.404.1.186.120.15.2		6	40	27	12	1.5
2.404.1.186.120.20.2	*	6	40	27	12	2.0
2.404.1.187.100.15.2		10	50	34	10	1.5
2.404.1.187.100.20.2	*	10	50	34	10	2.0
2.404.1.187.120.15.2		10	50	34	12	1.5
2.404.1.187.120.20.2		10	50	34	12	2.0
2.404.1.187.160.20.2		10	50	34	16	2.0

\* preferred size



**METRIC CONVERSIONS:**

1 bar = 14.5 psi

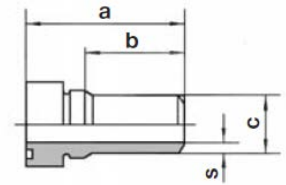
 $^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$ 

## Fittings for Technical Gases

### Gland for O-ring, beveled weld end

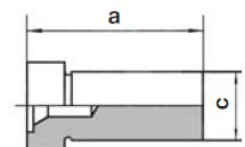
Catalogue no.	DN	a	b	c	s
2.404.2.185.060.10.2	3	35	25	6	1.0
2.404.2.185.060.15.2	3	35	25	6	1.5
2.404.2.186.060.10.2	6	40	27	6	1.0
2.404.2.186.060.15.2	6	40	27	6	1.5
2.404.2.186.080.10.2	6	40	27	8	1.0
2.404.2.186.080.15.2	6	40	27	8	1.5
2.404.2.186.100.15.2	6	40	27	10	1.5
2.404.2.186.100.20.2	6	40	27	10	2.0
2.404.2.186.120.15.2	6	40	27	12	1.5
2.404.2.186.120.20.2	6	40	27	12	2.0
2.404.2.187.100.15.2	10	50	34	10	1.5
2.404.2.187.100.20.2	10	50	34	10	2.0
2.404.2.187.120.15.2	10	50	34	12	1.5
2.404.2.187.120.20.2	10	50	34	12	2.0
2.404.2.187.160.20.2	10	50	34	16	2.0
2.404.2.187.160.30.2	10	50	34	16	3.0
2.404.2.187.172.32.2	10	50	34	17,2	3.2
2.404.2.188.213.32.2	15	50	30	21,3	3.2
2.404.2.188.220.30.2	15	50	30	22	3.0
2.404.2.188.250.40.2	15	50	30	25	4.0
2.404.2.188.269.40.2	15	50	30	26,9	4.0

\* preferred size



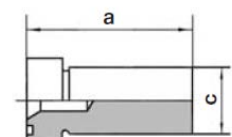
### Plug for Metal-Gasket

Catalogue no.	DN	a	c
2.403.185.01.2	3	35	8
2.403.186.01.2	6	40	14
2.403.187.01.2	10	50	18.5
2.403.188.01.2	15	50	27



### Plug for O-ring

Catalogue no.	DN	a	c
2.406.185.01.2	3	35	8
2.406.186.01.2	6	40	14
2.406.187.01.2	10	50	18.5
2.406.188.01.2	15	50	27

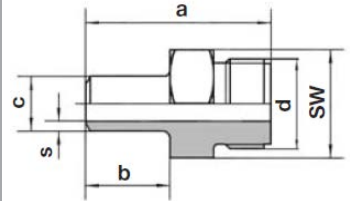


**METRIC CONVERSIONS:**  
 1 bar = 14.5 psi  
 °F = (°C \* 1.8) + 32

### Fittings for Technical Gases

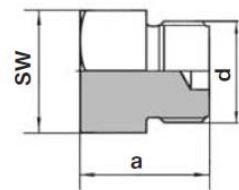
#### Gland for O-ring, beveled weld end

Catalogue no.	DN	SW	d	a	b	c	s
2.407.2.185.060.15.2	3	3	3	3	3	3	3
2.407.2.186.100.20.2	6	6	6	6	6	6	6
2.407.2.187.160.30.2	10	10	10	10	10	10	10
2.407.2.188.220.30.2	15	15	15	15	15	15	15



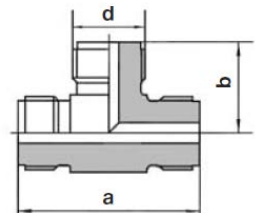
#### Plug for Nut

Catalogue no.	DN	d	SW	a
2.408.185.01.2	3	G 1/4	17	25
2.408.186.01.2	6	G 1/2	22	30
2.408.187.01.2	10	G 3/4	27	35
2.408.188.01.2	15	G 1 1/8	41	40



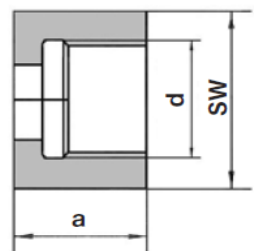
#### Tee

Catalogue no.	DN	d	a	b
2.423.185.01.2	3	G 1/4	40	20
2.423.186.01.2	6	G 1/2	52	26
2.423.187.01.2	10	G 3/4	66	33
2.423.188.01.2	15	G 1 1/8	45	45



#### Female Nut



Catalogue no.	material	DN	d	SW	a
2.410.185.01.2	2.0966.97	3	G 1/4	22	18
2.410.186.01.7	2.0966.97	6	G 1/2	32	23
2.410.187.01.7	2.0966.97	10	G 3/4	41	28
2.410.188.01.7	2.0966.97	15	G 1	55	37





**METRIC CONVERSIONS:**

1 bar = 14.5 psi  
 °F = (°C\* 1.8) + 32

**Metal-Gasket, silver plated**

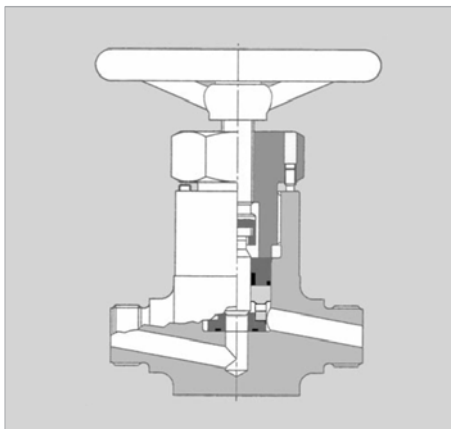
Catalogue no.	material	DN	
2.415.185.01.2S	1.4571	3	
2.415.186.01.2S	1.4571	6	
2.415.187.01.2S	1.4571	10	
2.415.188.01.2S	1.4571	15	

**O-ring**

Catalogue no.	material	DN	
2.416.185.01.8	FPM	3	
2.416.186.01.8	FPM	6	
2.416.187.01.8	FPM	10	
2.416.188.01.8	FPM	15	

**Special Design / Accessories**

In addition to the standard versions we also offer various customized solutions (e.g. end connections, materials, etc.). Please don't hesitate to ask for further information.


**Valves**

For construction of complete piping or tubing systems we also offer a comprehensive scope of valves. Please see our data sheets: "Valves for Technical Gases" and "Valves for Oxygen Service".

**Notes**

The total system design must be considered to ensure safe performance. Component function, material compatibilities, adequate ratings, proper installation, operation and maintenance are the responsibilities of the system user and designer.

Design and dimensions are subject to change.

**HOFER block system**

Valves, fittings and tubing for pressures from 325 bar up to 10.000 bar you will find in the HOFER block system.

