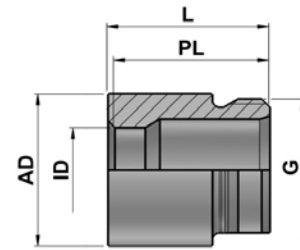




3.1 INGOLD FERRULE

TECHNICAL DATA

Standard sizes	<ul style="list-style-type: none"> • DN25 PL=46 • DN40 PL=48 • Standard: Ferrule pre-turned to diameter 24.7mm • On request: other fitting lengths, e.g. PL = 30, PL = 40, PL = 52, Ferrules pre-turned to other diameters or finished on Diameter 25H7 or 40H7
Material	<p>Medium contacted:</p> <ul style="list-style-type: none"> • Ws. 1.4404 (316L) • Ws. 14435 BN2 (316L) • Special materials e.g. 1.4539, Hastelloy 2.4602, Titan etc. on request <p>Non medium contacted:</p> <ul style="list-style-type: none"> • 1.4301/1.4305 or equivalent
Gasket	<p>Standard gaskets:</p> <ul style="list-style-type: none"> • EPDM • Special materials on request
Surface quality	<p>Medium contacted:</p> <ul style="list-style-type: none"> • machined surface Ra < 0,6µm • elektro polished Ra < 0,5µm • elektro polished Ra < 0,25µm • other qualities on request <p>Non medium contacted:</p> <ul style="list-style-type: none"> • elektro polished Ra > 1,6µm
Tracability	Medium contacted material marked with material number and heat number
Media	Gases and liquids
Operating temperature	-20°C to +150°C See temperature resistance chart of gaskets
Operating pressure	16 bar
Operating temperature gaskets	• EPDM: -40°C to +150°C
Labelling	Ferrule etc.: company name, item number, size,, material, heat number Gasket: no labelling
Certification	<p>Medium contacted:</p> <ul style="list-style-type: none"> • EN 10204 / 3.1 <p>Medium contacted gaskets:</p> <ul style="list-style-type: none"> • FDA-conform, USP-Class VI, TSE-free according to selected gasket material or Customer preference



Ingoldstutzen DN25 PL=46mm
1601 0025 0000 0301

3.1 INGOLD FERRULE

3.1.1 INGOLD FERRULE STRAIGHT WITH CHAMFER

Size	Item number	Length L [mm]	Diam. ID [mm]	Diamm. AD [mm]	Fitted Length PL	Thread G					
ø 25mm, PL 46mm	1601 0025 0000 0301	48.00	24.70	45.00	46.00	G 1 ¼"					
ø 25H7, PL 46mm	1601 0025 0001 0301	48.00	25H7	45.00	46.00	G 1 ¼"					
ø 25mm, PL=30mm	1601 0025 3000 0301	32.00	24.70	45.00	30.00	G 1 ¼"					
ø 25H7, PL=30mm	1601 0025 3001 0301	32.00	25H7	45.00	30.00	G 1 ¼"					
ø 25mm, PL=40mm	1601 0025 4000 0301	42.00	24.70	45.00	40.00	G 1 ¼"					
ø 25H7, PL=40mm	1601 0025 4001 0301	42.00	25H7	45.00	40.00	G 1 ¼"					
ø 25mm, PL=52mm	1601 0025 5200 0301	64.00	24.70	45.00	52.00	G 1 ¼"					
ø 25H7, PL=52mm	1601 0025 5001 0301	64.00	25H7	45.00	52.00	G 1 ¼"					
ø 40mm, PL=48mm	1601 0040 0000 0301	52.00	39.70	60.00	48.00	M52x2,0					
ø 40H7, PL=48mm	1601 0040 0001 0301	52.00	40H7	60.00	48.00	M52x2,0					
ø 40mm, PL=30mm	1601 0040 3000 0301	34.00	39.70	60.00	30.00	M52x2,0					
ø 40H7, PL=30mm	1601 0040 3001 0301	34.00	40H7	60.00	30.00	M52x2,0					

Available materials:

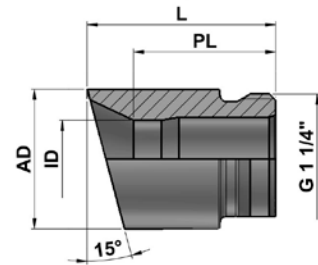
(Item-no. = 4. Block figure 1-3)

Item-No.	Material
030	1.4435 BN2
045	1.4539
060	2.4602 Hastelloy
070	Titan Grade 2

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
0	machined surface Ra<=0,6µm
1	electro polished Ra<=0,5µm
2	electro polished Ra<=0,25µm



Ingoldstutzen DN25 PL=46mm

3.1 INGOLD FERRULE

3.1.2 INGOLD FERRULE ANGULAR

Size	Item number	Length L [mm]	Diam. ID [mm]	Diamm. AD [mm]	Fitted Length PL	Thread G					
ø 25mm, PL 46mm	1602 0025 0000 0301	58.00	24.70	45.00	46.00	G 1 ¼"					
ø 25H7, PL 46mm	1602 0025 0001 0301	58.00	25.00	45.00	46.00	G 1 ¼"					
ø 25mm, PL=30mm	1602 0025 3000 0301	42.00	24.70	45.00	30.00	G 1 ¼"					
ø 25H7, PL=30mm	1602 0025 3001 0301	42.00	25.00	45.00	30.00	G 1 ¼"					
ø 25mm, PL=40mm	1602 0025 4000 0301	52.00	24.70	45.00	40.00	G 1 ¼"					
ø 25H7, PL=40mm	1602 0025 4001 0301	52.00	25.00	45.00	40.00	G 1 ¼"					
ø 25mm, PL=52mm	1602 0025 5200 0301	64.00	24.70	45.00	52.00	G 1 ¼"					
ø 25H7, PL=52mm	1602 0025 5201 0301	64.00	25.00	45.00	52.00	G 1 ¼"					
ø 40mm, PL=48mm	1602 0040 0000 0301	67.00	39.70	60.00	48.00	M52x2,0					
ø 40H7, PL=48mm	1602 0040 0001 0301	67.00	40.00	60.00	48.00	M52x2,0					
ø 40mm, PL=30mm	1602 0040 3000 0301	49.00	39.70	60.00	30.00	M52x2,0					
ø 40H7, PL=30mm	1602 0040 3001 0301	49.00	40.00	60.00	30.00	M52x2,0					

Available materials:

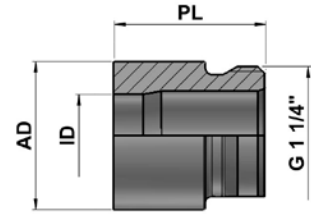
(Item-no. = 4. Block figure 1-3)

Item-No.	Material
030	1.4435 BN2
045	1.4539
060	2.4602 Hastelloy
070	Titan Grade 2

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
0	machined surface Ra<=0,6µm
1	electro polished Ra<=0,5µm
2	electro polished Ra<=0,25µm



Ingoldstutzen DN25 PL=46mm

3.1 INGOLD FERRULE

3.1.3 INGOLD FERRULE STRAIGHT WITHOUT CHAMFER

Size	Item number	Length L [mm]	Diam. ID [mm]	Fitted Length PL	Thread G						
ø 25mm, PL 46mm	1603 0025 0000 0301	24.70	45.00	46.00	G 1 1/4"						
ø 25H7, PL 46mm	1603 0025 0001 0301	25H7	45.00	46.00	G 1 1/4"						
ø 25mm, PL=30mm	1603 0025 3000 0301	24.70	45.00	30.00	G 1 1/4"						
ø 25H7, PL=30mm	1603 0025 3001 0301	25H7	45.00	30.00	G 1 1/4"						
ø 25mm, PL=40mm	1603 0025 4000 0301	24.70	45.00	40.00	G 1 1/4"						
ø 25H7, PL=40mm	1603 0025 4001 0301	25H7	45.00	40.00	G 1 1/4"						
ø 25mm, PL=52mm	1603 0025 5200 0301	24.70	45.00	52.00	G 1 1/4"						
ø 25H7, PL=52mm	1603 0025 5201 0301	25H7	45.00	52.00	G 1 1/4"						
ø 40mm, PL=48mm	1603 0040 0000 0301	39.70	60.00	48.00	M52x2,0						
ø 40H7, PL=48mm	1603 0040 0001 0301	40H7	60.00	48.00	M52x2,0						
ø 40mm, PL=30mm	1601 0040 3000 0301	39.70	60.00	30.00	M52x2,0						
ø 40H7, PL=30mm	1601 0040 3001 0301	40H7	60.00	30.00	M52x2,0						

Available materials:

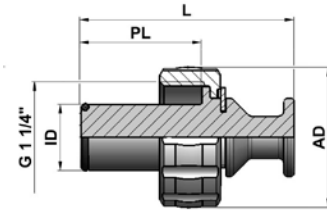
(Item-no. = 4. Block figure 1-3)

Item-No.	Material
030	1.4435 BN2
045	1.4539
060	2.4602 Hastelloy
070	Titan Grade 2

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
0	machined surface Ra<=0,6µm
1	electro polished Ra<=0,5µm
2	electro polished Ra<=0,25µm



Ingoldstopfen DN25 PL=46mm

3.1 INGOLD FERRULE

3.1.4 INGOLD PLUG

Size	Item number	Length L [mm]	Diam. ID [mm]	Diamm. AD [mm]	Fitted Length PL						
ø 25mm, PL 46mm	1604 0025 0000 0301	81.00	25.00	53.00	46.00						
ø 25mm, PL 30mm	1604 0025 3000 0301	65.00	25.00	53.00	30.00						
ø 25mm, PL 40mm	1604 0025 4000 0301	75.00	25.00	53.00	40.00						
ø 25mm, PL 52mm	1604 0025 5200 0301	87.00	25.00	53.00	52.00						
ø 40mm, PL 48mm	1604 0040 0000 0301	82.00	40.00	69.00	48.00						
ø 40mm, PL 30mm	1604 0040 3000 0301	64.00	40.00	69.00	30.00						

Available materials:

(Item-no. = 4. Block figure 1-3)

Item-No.	Material
030	1.4435 BN2
045	1.4539
060	2.4602 Hastelloy
070	Titan Grade 2

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
0	machined surface Ra<=0,6µm
1	electro polished Ra<=0,5µm
2	electro polished Ra<=0,25µm



Ersatzteilkit Ingoldstopfen DN25

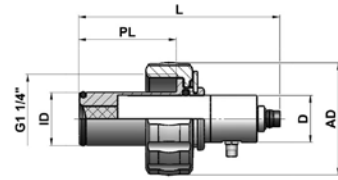
3.1 INGOLD FERRULE

3.1.5 SPAREPART KID INGOLD FERRULE

Size	Item number										
ø 25mm	1610 0025 0000 1000										
ø 19 mm	1610 0019 0000 0301										
ø 40 mm	1610 0040 0000 0301										

Material
1.4301
A2
PTFE
EPDM

Note: Actual data to collect at www.elpotech.de. Specifications and design are subject to change without notice. Date of revision: 05/2018



Lampe im Ingoldstopfen mit Schauglas DN25 PL=46mm
1630 0025 0000 0361

3.1 INGOLD FERRULE

3.1.7 LAMP IN INGOLD PLUG WITH METAL FUSED SIGHT GLASS

Size	Item number	Length L [mm]	Diam. ID [mm]	Diamm. D [mm]	Fitted Length PL	Thread G					
ø 25mm, PL =46mm	1630 0025 0000 0361	100.00	25H7	22.00	46.00	G 1 ¼"					
ø 25mm, PL =30mm	1630 0025 3000 0361	100.00	25H7	22.00	30.00	G 1 ¼"					
ø 25mm, PL =52mm	1630 0025 5200 0361	100.00	25H7	22.00	52.00	G 1 ¼"					

Available materials:

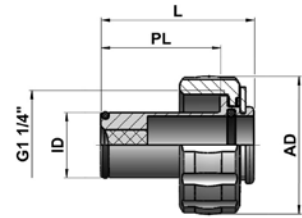
(Item-no. = 4. Block figure 1-3)

Item-No.	Material
036	1.4462/BOROSILIKAT

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
1	electro polished Ra<=0,5µm



Ingoldstopfen mit Schauglas DN25 PL=46mm
1635 0025 0000 0361

3.1 INGOLD FERRULE

3.1.6 INGOLD PLUG WITH METAL FUSED SIGHT GLAS Ø25mm FOR SIGHT GLAS LAMP

Size	Item number	Length L [mm]	Diam. ID [mm]	Fitted Length PL	Thread G						
ø 25mm, PL =46mm	1635 0025 0000 0361	62.00	25H7	46.00	G 1 ¼"						
ø 25mm, PL =30mm	1635 0025 3000 0361	46.00	25H7	30.00	G 1 ¼"						
ø 25mm, PL =52mm	1635 0025 5200 0361	68.00	25H7	52.00	G 1 ¼"						

Available materials:

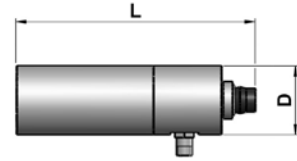
(Item-no. = 4. Block figure 1-3)

Item-No.	Material
036	1.4462/BOROSILIKAT

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
1	electro polished Ra<=0,5µm



Lampe für Ingoldstopfen mit Schauglas DN25
1643 0025 0000 0110

3.1 INGOLD FERRULE

3.1.8 LED-LAMP FOR INGOLD FERRULE WITH METAL FUSED SIGHT GLASS

Size	Item number		Länge L [mm]							
ø 25mm	1643 0025 0000 0101	Control via push button	77.00							
ø 25mm	1643 0025 0001 0101	External without push button	70.00							
ø 25mm	1643 0025 0000 0101	External and push button	77.00							

Available materials:

(Item-no. = 4. Block figure 1-3)

Item-No.	Material
010	1.4301

Available surface qualities:

(Item-No. = 4. Block figure 4)

Item-No.	Medium contacted surface
1	electro polished



Ersatzteilkit für Ingoldstopfenmit Schauglas DN25
1644 0025 0000 1000

3.1 INGOLD FERRULE

3.1.9 SPAREPART KIT FOR INGOLD PLUG WITH METAL FUSED SIGHT GLASS

Size	ITEM number									
ø 25mm	1644 0025 0000 1000									

Material
1.4301
A2
PTFE
EPDM

Note: Actual data to collect at www.elpotech.de. Specifications and design are subject to change without notice. Date of revision: 05/2018