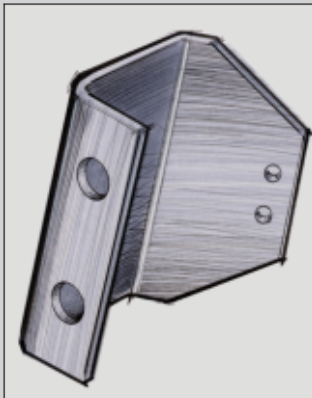
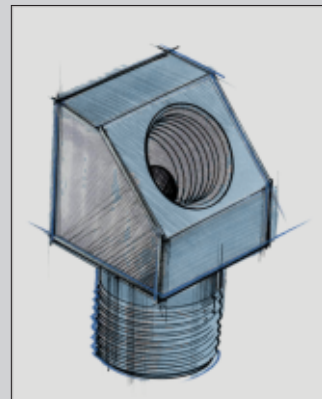
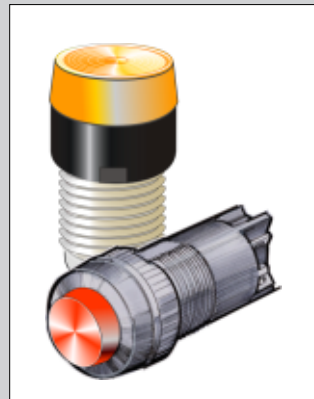
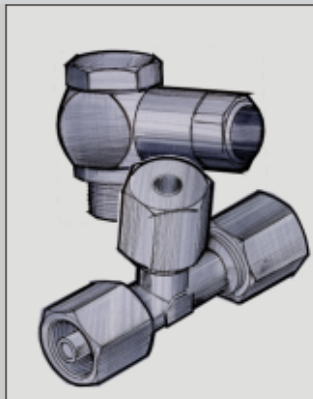
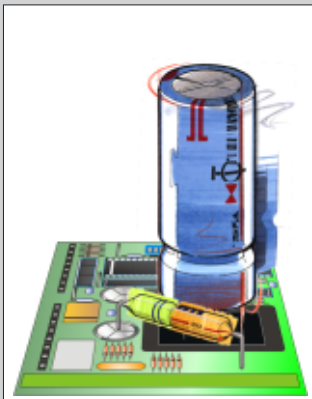
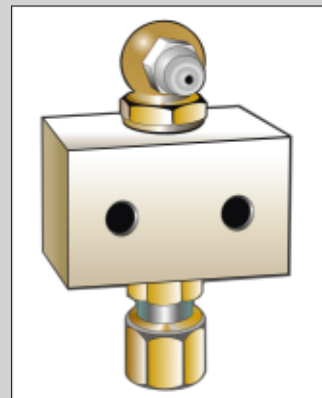


PARTS CATALOGUE



Technology
you can
rely on



Progressive central lubrication systems

Table of Contents

	Page
Adjustable L Couplings	57
Adjustable T-Couplings	58
Angular Couplings with Cap Screw and Cutting Olive	44
Angular Plug-in Couplings	63
Angular Plug-in Couplings soluble	67
Banjo Assemblies	48
Banjo Assemblies with Plug-in Connection	65
Bent Protection Spirals	78
Bulkhead Coupling with Cap Screw and Cutting Olive	55
Cap Nut	59
Cap Screw	61
Connection Parts, straight	54
Cutting Olive	60
Double Cone Olive	61
Elbow Connectors	52 and 53
Exchange Light Bulbs	42
Extension Pieces	49 up to 51
Ferrules DN 4 und Inserts DN 4	75
High Pressure Hoses	76
Hinges with Cap Screw and Cutting Olive	56
Hinges with Plug-in Connection	64
Hinge Plug-in Coupling	68
Insert for Ferrule, 45° bent to Mounting a High Pressure Hose Dia. 8.6x4	71
Insert for Ferrule, 45° bent to Mounting a High Pressure Hose Dia. 11.2x6.5	73
Insert for Ferrule, 90° bent to Mounting a High Pressure Hose Dia. 8.6x4	72
Insert for Ferrule, 90° bent to Mounting a High Pressure Hose Dia. 11.2x6.5	74
Inserts for Ferrule, straight to Mounting a High Pressure Hose Dia. 8.6x4	70
Insert for Ferrule, straight to Mounting a High Pressure Hose Dia. 11.2x6.5	73
Mounting Bracket for EP-1 Pumps	25 up to 27
Mounting Bracket for MX-F Distributor	30 up to 32
Mounting Plates for Pico Pumps	28 and 29
Nipple Modification Kit, Nipple Blocks	82 up to 84
Nylon Tie Strap	81
Order Instructions for Electric Pump EP-1 without/with Integrated Control Units and Integrated Control Units	4 up to 14
Order Instructions for Central Lubrication Pump Pico without/with integrated Control Units and integrated Control Units	15 up to 17
Order Instructions for external Control Unit S-EP 6	18
Other Accessories	87
Pipe Clamps	79 up to 81
Polyamide Tubes	76
Power Supply NGR-1	43
Pressure Relief Valve without/with Micro Switch for Pump Elements PE-120, PE-120F, PE-120 V and PE-120FV	22 up to 24

Subject to alterations!

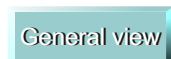
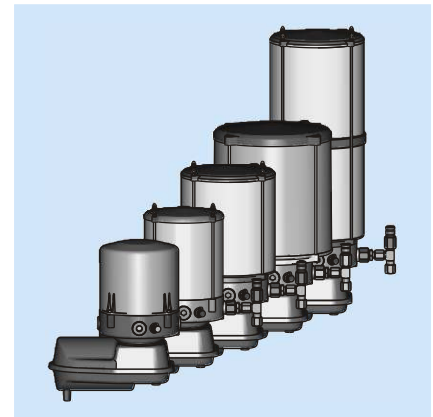


Table of Contents

	Page
Protection Parts for Lubrication Pipes	37
Protection Parts for Lubrication Points	35 and 36
Pump Elements for Electric Pump EP-1	19
Pump Elements for Central Lubrication Pump Pico	20 and 21
Push Button Light and Intermediate Lube Button	38 and 39
Reduction Screws with Cap Screw and Cutting Olive	57
Selective Lube Button	39
Signal Lamps	40
Small Relays	41
Spiral Protection	77
Steel Pipe	77
Straight Bulkhead Coupling with Inside Threading	54
Straight Coupling with Cap Screw and Cutting Olive	45 and 46
Straight Coupling (Pipes Connectors)	47
Straight Plug-in Coupling	62
Straight Plug-in Coupling soluble	66
Straight Rotary Coupling	56
Straight Way Nipple Block	85 and 86
T-Coupling	58
Threaded Ferrules	69
Welding Plates for MX-F Distributors	33 and 34
Welding Plates for SX-1 Distributors	34

Electric Pump EP-1



Order Key:

Construction type

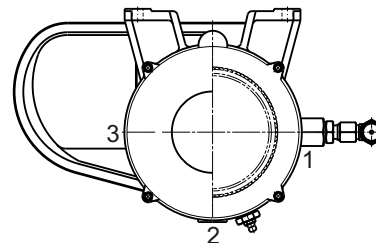
2152 . XX . XX . XX . 000

Motor voltage			
	without plug		with bayonet connector
Voltage	12 V	24 V	12 V 24 V
Code	01	02	03 04

Pump elements	Outlet No		
	1	2	3
without	0	0	0
PE-60	1	1	1
PE-120	2	2	2
PE-120 V	3	3	3
PE-170	4	4	4

Fig.	Code	Fig.	Code	Fig.	Code	Fig.	Code	Fig.	Code
000	A0	100	F0	200	01	300	41	400	V0
001	A1	101	F1	201	K1	301	Q1	401	V1
002	A3	102	F2	202	K2	302	Q2	402	V2
003	A4	103	F3	203	K3	303	Q3	403	V3
004	A5	104	F4	204	K4	304	Q4	404	V4
010	B0	110	N0	210	L0	310	R0	410	W0
011	B1	111	G1	211	L1	311	R1	411	W1
012	B2	112	G2	212	L2	312	R2	412	W2
013	B3	113	G3	213	L3	313	R3	413	W3
014	B4	114	G4	214	L4	314	R4	414	W4
020	C0	120	H0	220	02	320	S0	420	X0
021	C1	121	H1	221	M1	321	S1	421	X1
022	C2	122	H2	222	03	322	S2	422	X2
023	C3	123	H3	223	M3	323	S3	423	X3
024	C4	124	H4	224	M4	324	S4	424	X4
030	D0	130	H5	230	52	330	42	430	Y0
031	D1	131	H6	231	N1	331	T1	431	Y1
032	D2	132	H7	232	N2	332	T2	432	Y2
033	D3	133	H8	233	53	333	43	433	Y3
034	D4	134	H9	234	N4	334	T4	434	Y4
040	E0	140	J0	240	P0	340	U0	440	Z0
041	E1	141	J1	241	P1	341	U1	441	Z1
042	E2	142	J2	242	P2	342	U2	442	Z2
043	E3	143	J3	243	P3	343	U3	443	Z3
044	E4	144	J4	244	P4	344	U4	444	Z4

Ordering example pump elements:



1 PE-120 installed in outlet position 1:

Fig. = 200 -> Code = 01

Special variants = 99

	2 parts		1 part	
Reservoir size (kg)	1.9	2.5	4	8
Transparent reservoir	27	25	30	28
Code	27	25	30	28
Reservoir size (kg)	2		4	
Steel reservoir	31		26	
Code	31		26	

Special variants: 227 = Grease level control at drawing no FAZ02205-10

028 = Pump elements with microswitch

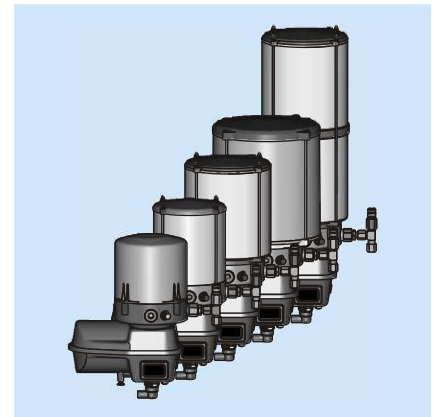
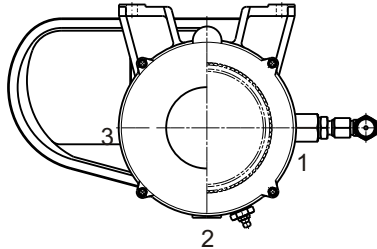
257 = Pump elements with malfunction indicator and grease repatriation

Special variants 000

Subject to alterations!

EP-1 with integrated Control Unit BEKA-troniX1

Positions of outlets:



Order Key with integrated Control Unit BEKA-troniX1:

Construction type 2175 . 3 . 1 . E . 0 . 1 . 2 . 1 . 000

Motor voltage
with bayonet connector

12V	24V
3	4

Outlet	Pump element	without	PE-60	PE-120	PE-120 V	PE-170
Pos. 1	without micro switch	0	7	1	2	G
	with micro switch	0	A	D	N	H
Pos. 2	without micro switch	0	8	3	4	J
	with micro switch	0	B	E	P	K
Pos. 3	without micro switch	0	9	5	6	L
	with micro switch	0	C	F	A	M
Special variants		ZZZ				

Only one micro switch can be connected to the BEKA-troniX1 controller!

			2 Parts		1 Part	
Size of reservoir (kg)	1.9	4	8	2.5	8	
Code	1	2	3	4	8	
with grease level control		S	T	U	W	

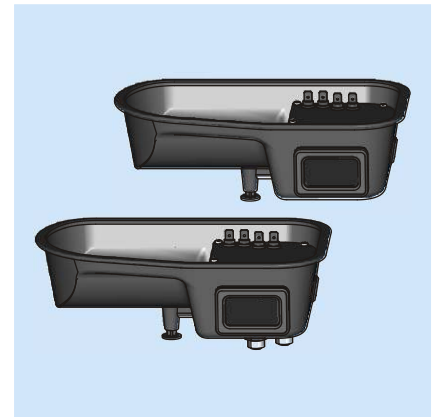
Additional equipment connected at controller	
without additional equipment	0
Grease level monitoring	1
System excess pressure monitoring	2
Grease level controller and system excess pressure monitoring	3
without connection to the controller (only connectors, not connected, not activated)	4

Parameter	Cycle duration		
Lubrication time	0.5 to 8 h	2 to 32 min.	2 to 32 h
I 1 to 16 min.	1	A	J
II 2 to 32 min.	2	B	K
III 2 to 32 sec.	3	C	L
Pump revolutions			
I 1 to 16	7	G	O
II 10 to 160	8	H	Q
III 170 to 320	9	I	R

Special models 000

Subject to alterations!

Integrated Control Unit BEKA-troniX1 for EP-1 and OC-1



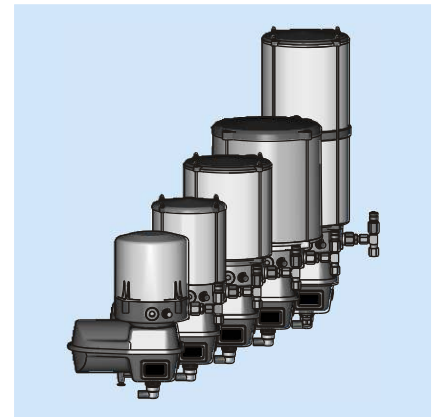
Order Key for integrated Control Unit BEKA-troniX1:

Construction type	2175 . 90 . 10 . 0 . A . 000		
Connector version			
with bayonet connector	10		
additional equipment			
without additional equipment	0		
with grease level monitoring	1		
with system excess pressure monitoring	2		
with grease level monitoring and system excess pressure monitoring	3		
with contact plugs (not activated)	4		
Parameter	Cycle duration		
Lubrication time	0.5 to 8 h	2 to 32 min.	2 to 32 h
I 1 to 16 min.	1	A	J
II 2 to 32 min.	2	B	K
III 2 to 32 sec.	3	C	L
Pump revolutions			
I 1 to 16	7	G	P
II 10 to 160	8	H	Q
III 170 to 320	9	I	R
Special models	000		

Subject to alterations!



EP-1 with integrated Control Unit S-EP 4 and integrated Control Unit S-EP 4



Order Key for integrated Control Unit S-EP 4 with Bayonet Connector:

Construction type		2147 . 3 . 1 . 1 . 2 . 1 . 000	
Motor voltage			
with bayonet connector			
12 V	24 V		
3	4		

	Fig.				
1	1	2	3	4	0
2	1	2	3	4	0
3	1	2	3	4	0

Outlet position	PE-120	PE-120 V	PE-60	PE-170	without
-----------------	--------	----------	-------	--------	---------

Fig.	Code	Fig.	Code	Fig.	Code	Fig.	Code
001	G	002	K	003	N	004	R
010	U	020	L	030	P	040	S
011	J	022	M	033	Q	044	T
100	1	200	4	300	V	400	X
110	2	220	5	330	W	440	Y
111	3	222	6	122	8	444	Z
120	7	112	9	Special variants		I	

Other combination of pump elements on demand!

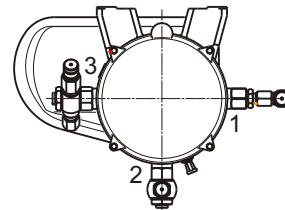
			2 Parts	1 Part
Size of reservoir (kg)	1.9	2.5	4	8
Code	5	1	2	3

Lubricating time	
Time range 1	1 min. to 16 min. 1
Time range 2	2 min. to 32 min. 2

Button for interim lubrication	Yes	No
Code	1	0

Special type	000
	179

Special types: 179 = with 15 m cable



Order example:

Outlet position: 1 2 3

Fig.: 1 2 2

Code: 8

Order Key for Integrated Control Unit S-EP 4 for Bayonet Connector for EP-1 and OC-1 (Lower Motor Housing)

Construction type		2147 . 9010 . 2 . 1 . 00	
Lubrication time			
Time range I	1 min. to 16 min. 1		
Time range II	2 min. to 32 min. 2		

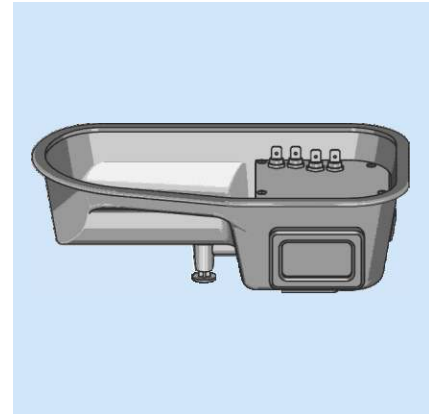
Button for interim lubrication	Yes	No
Code	1	0

Special type	00
--------------	----

Subject to alterations!



Integrated Control Unit S-EP 4 for EP-1 and OC-1



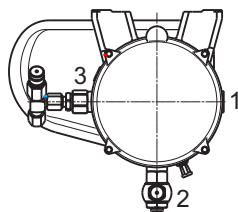
Order Key for Integrated Control Unit S-EP 4 for Hirschmann connector

Order-No.:				2147 . 9000 . X . X . XX
Lubrication Time				
Time Range I	1 min. up to 16 min.	1		
Time Range II	2 min. up to 32 min.	2		
Intermediate Lubrication Push Button				
	Yes	No		
Order-No.	1	0		
Special Model				
	00			

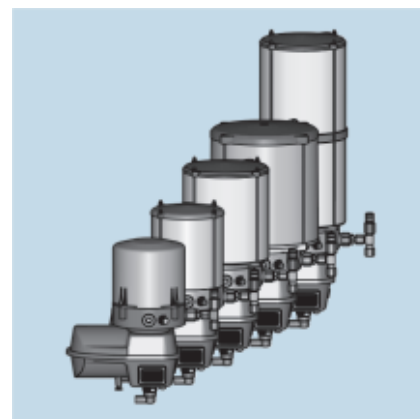
Subject to alterations!

Electric Pump EP-1 with Integrated Control Unit EP-tronic

Ordering Example Pump Elements:



Order example:
 Outlet position: 1 2 3
 Fig.: 0 2 1
 Code: 9



Order Key EP-1 with Integrated Control Unit EP-tronic

with Bayonet connector

Construction type

2157 . 3 . 1 . 2 . 0 . A . 0 . 0000

Motor voltage

with bayonet connector

12V	24V
3	4

	Fig.
1	1 2 3 4 0
2	1 2 3 4 0
3	1 2 3 4 0
Outlet position	PE-120 V PE-120 V PE-60 PE-170 without

001	G	Special variants	Z
010	H	002 K 003 N 004 R	
011	J	020 L 030 P 040 S	
100	1	022 M 033 Q 044 T	
110	2	200 4 300 V 400 D	
111	3	220 5 330 B 440 E	
120	7	222 6 333 C 444 F	
102	W	021 9 122 8 123 U	
Fig.	Code	Fig. Code Fig. Code Fig. Code Fig. Code	

Other combinations of pump elements on demand!

Size of reservoir (kg)	1.9	4	8	2.5	8
Code	1	2	3	4	8
With grease level controller	5	6	7	9	

Additional equipment	
Without	0
Attached to controller	
System pressure P _{max.}	1
Grease level monitoring	2
System excess pressure monitoring and grease level controller	3

Parameter	Cycle duration
Lubricating time	0.5 to 8 h 2 to 32 min. 2 to 32 h
I 1 to 16 min.	1 A J
II 2 to 32 min.	2 B K
III 2 to 32 sec.	3 C L
Strokes	
I 1 to 16 Strokes	4 D M
II 17 to 32 Strokes	5 E N
III 33 to 48 Strokes	6 F O
Pump revolutions	
I 1 to 16	7 G P
II 10 to 160	8 H Q
III 170 to 320	9 I R

With collective error notification (stat. error) (Standard)	1
With starter enabling device	2
Special models	0000

Subject to alterations!

All additional functions of time periods can be activated or set later with the system analysis software on PC.



Integrated Control Unit EP-tronic for EP-1 and OC-1



Order Key for Integrated Control Unit EP-tronic for Bayonet connector

Construction type **2157 . 90 . 10 . 0 . A . 1 . 00**

Connector version	
with bayonet connector	10

Additional equipment	
Without	0
Attached to controller	
System pressure P _{max.}	1
Grease level monitoring	2
System excess pressure monitoring and grease level controller	3

Parameter	Cycle duration			
Lubricating time	0.5 to 8 h	2 to 32 min.	2 to 32 h	
I 1 to 16 min.	1	A	J	
II 2 to 32 min.	2	B	K	
III 2 to 32 sec.	3	C	L	
Strokes				
I 1 to 16 Strokes	4	D	M	
II 17 to 32 Strokes	5	E	N	
III 33 to 48 Strokes	6	F	O	
Pump revolutions				
I 1 to 16	7	G	P	
II 10 to 160	8	H	Q	
III 170 to 320	9	I	R	

With collective error notification (stat. error) (Standard)	1
With starter enabling device	2

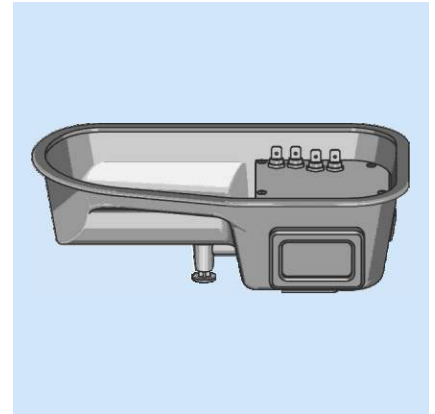
Special models 00

Subject to alterations!

All additional functions of time periods can be activated or set later with the analysis software on PC!



Integrated Control Unit EP-tronic for EP-1 and OC-1



Order Key for Integrated Controller EP-tronic for Hirschmann connector

Order-No.: _____ **2157 . 9000 . X . X . X . 00**

Additional Equipment	
Without	0
Connected to Control Unit	
System Pressure P max.	1
Grease Level Control	2
Observance of System Pressure and Grease Level Control	3

Parameter		Cycle Time		
Lubrication Time		0.5 up to 8 h	2 up to 32 min.	2 up to 32 h
I	1 up to 16 min.	1	A	J
II	2 up to 32 min.	2	B	K
III	2 up to 32 sec.	3	C	L
Strokes				
I	1 up to 16 Strokes	4	D	M
II	17 up to 32 Strokes	5	E	N
III	33 up to 48 Strokes	6	F	O
Rotations of Pump				
I	1 up to 16	7	G	P
II	10 up to 160	8	H	Q
III	170 up to 320	9	I	R

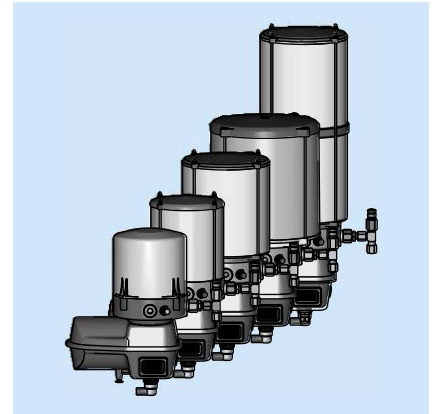
With Collective Disturbance Report (Constant Error)	1
With Ignition Release	2

Special Model 00

Subject to alterations!



Electric Pump EP-1 with integrated Control Unit EP-tronic T1



Order Key for Electric Pump EP-1 with integrated Control Unit EP-tronic T1 with Bayonet connector

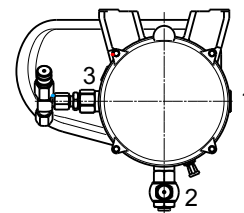
Construction type

2183 . X . X . X . X . X . XXXX

Motor voltage	
with bayonet connector	
12 V	24 V
3	4

	Fig.			
1	1	2	3	4
2	1	2	3	4
3	1	2	3	4
Outlet position	PE-120	PE-120 V	PE-60	PE-170
				without

Fig.	Code	Fig.	Code	Fig.	Code	Fig.	Code
001	G	002	K	003	N	004	R
010	H	020	L	030	P	040	S
011	J	022	M	033	Q	044	T
100	1	200	4	300	V	400	D
110	2	220	5	330	B	440	E
111	3	222	6	333	C	444	F
120	7	021	9	122	8	123	U
Special variants							Z



Order example:

Outlet position: 1 2 3

Fig.: 0 2 1

Code: 9

Other combinations of pump elements on demand!

	2 Parts		1 Part	
Size of reservoir	1.9 kg	2.5 kg	4 kg	8 kg
Code	1	4	2	3
With grease level controller	7	5	6	9

Integrated electronic controller EP-tronic T1				
Lubrication time range		Cycle time range		
		0.5 h to 8 h	2 min. to 32 min.	2 h to 32 h
I	1 min. to 16 min.	1	A	J
II	2 min. to 32 min.	2	B	K
III	2 sec. to 32 sec.	3	C	L

Button for interim lubrication	without	with
Code	0	1

Special types	without
Code	0000

Date of issue Dec. 2005

Subject to alterations!

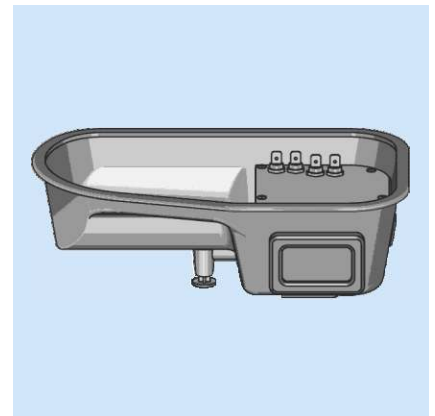
Integrated Control Unit EP-tronic T1 for EP-1 and OC-1



Order Key for Integrated Control Unit EP-tronic T1 for Bayonet connector

Construction type		2183 . 90 . 10 . X . X . XXXX		
Connector version				
with bayonet connector	10			
Integrated electronic controller EP-tronic T1				
Lubrication time range		Cycle time range		
		0.5 h to 8 h	2 min. to 32 min.	2 h to 32 h
I	1 min. to 16 min.	1	A	J
II	2 min. to 32 min.	2	B	K
III	2 sec. to 32 sec.	3	C	L
Button for interim lubrication		without	with	
Code		0	1	
Special types	without			
Code	0000			

Date of issue Okt. 2004



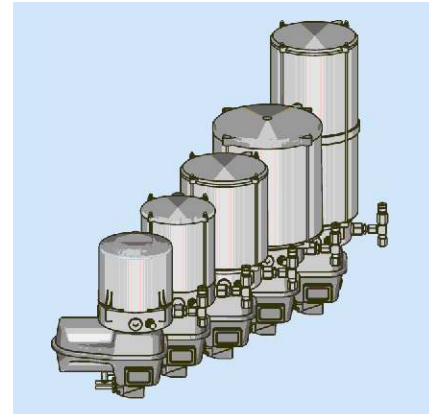
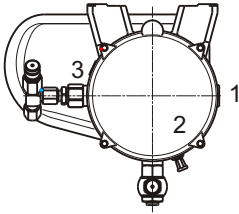
Order Key for Integrated Control Unit EP-tronic T1 for Bayonet connector

Order-No.:		2183 . 9000 . X . X . 0000		
Integrated Control Unit EP-tronic T1				
Range of Lubrication Time		Range of Cycle Time		
		0.5 h up to 8 h	2 min. up to 32 min.	2 h up to 32 h
I	1 min. up to 16 min.	1	A	J
II	2 min. up to 32 min.	2	B	K
III	2 sec. up to 32 sec.	3	C	L
Intermediate Lubrication Push Button		without	with	
Order-No.		0	1	
Special Models	without			
Order-No.	0000			

Subject to alterations!

EP-1 with integrated control unit EP-T2 and Integrated Control Unit EP-T2

Positions of outlets:



Order Key for EP-1 with integrated control unit EP-T2

Construction type		2184 . X . X . X . X . X . X . XXX					
Motor voltage							
with bayonet connector							
12 V	24 V						
3	4						
Code							
1	1 2 3 4 0 Z						
2	1 2 3 4 0 Z						
3	1 2 3 4 0 Z						
Outlet-no.	PE-120	PE-120 V	PE-60	PE-170	without	Special variants	
							2 parts 1 part
Size of reservoir	1,9 kg	2,5 kg	4 kg	8 kg	8 kg		
Code	1	4	2	3	8		
Integrated electronic control unit EP-T2							
Lubricating time range	Code						
1 sec. to 60 sec.	1						
Special types	without						
Code	000						

Updated: January 2006

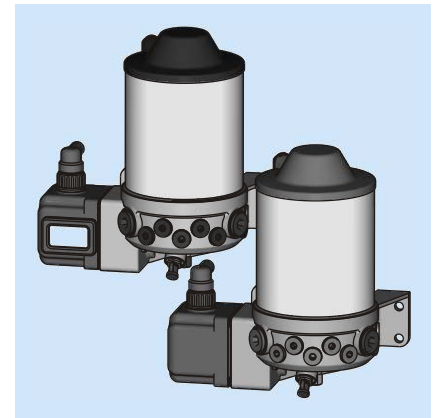
Order Key for integrated control unit EP-T2

Construction type		2184 . 90 . 10 . X . XXXXX	
Connector version			
with bayonet connector	10		
Integrated electronic controller EP-T2			
Lubricating time range	Code		
1 sec. to 60 sec.	1		
Special types	without		
Code	00000		

Subject to alterations!

Updated: January 2006

Central Lubrication Pump Pico



Order Key for Electric Pump PICO

without Controller,

with integrated Control Unit PICO S-EP 4, PICO-tronic T1 or PICO-T2

with Bayonet Connector

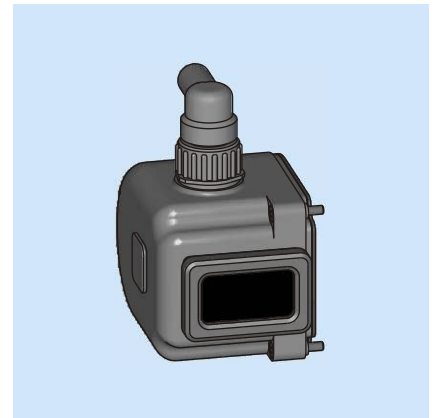
Order-No.					2185 . X . X . X . X . X . XXXX
with Bayonet Connector					
Motor voltage	12 V	24 V			
Number	3	4			
Pump elements	Outlet-No.				Note: Pump elements PE-5 up to PE-50 must be ordered separately!
	4	10	4+10	without	
PE-120F	1	2	3	0	
PE-120FV	4	5	6		
PE-120F + PE-120FV	X		7		
PE-120F + PE-120FV		X	8		
PE-120F + PE-120FV	X				
Container size	1.2 kg				
Number	1				
Sort of control unit	without	Trucks PICO S-EP 4	Trailers and semi-trailers PICO-tronic T1	Trailers and semi-trailers PICO-T2	
Number	1	2	3	5	
without	0				
PICO S-EP 4 for Trucks					
Lubrication time range	Cycle time range				
	0.5 h up to 8 h				
I 1 min. up to 16 min.	Z				
II 2 min. up to 32 min.	T				
PICO-tronic T1 for trailers and semi-trailers					
Lubrication time range	Cycle time range				
	0.5 h up to 8 h	2 min. up to 32 min.	2 h up to 32 h		
I 1 min. up to 16 min.	1	A	J		
II 2 min. up to 32 min.	2	B	K		
III 2 sec. up to 32 sec.	3	C	L		
PICO-T2 for trailers and semi-trailers					
Lubrication time range					
1 sec. up to 1 min.	1				
Special variants	without				
Number	0000				

Subject to alterations!

Stand Feb. 2007



Integrated Control Units for Central Lubrication Pump PICO



Order Key for integrated Control Unit PICO S-EP 4 for Bayonet Connectors

Order-no.	Lubrication time	Break time
21859012T	2 min. - 32 min.	0.5 h - 8 h
21859012Z	1 min. - 16 min.	0.5 h - 8 h

Order Key for integrated Control Unit PICO-tronic T1 for Bayonet Connectors

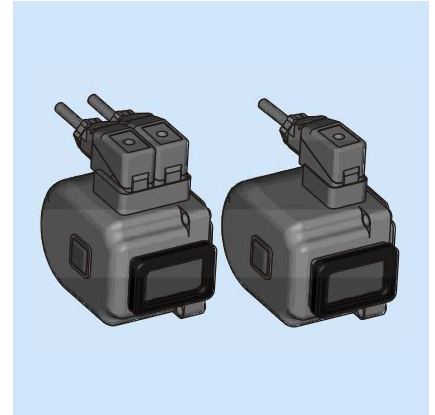
Construction type		2185 . 901 . 3 . A . 0000		
Controller	PICO-tronic T1			
Code	3			
Integrated electronic controller PICO-tronic T1				
Lubrication time		Cycle time		
		0.5 h to 8 h	2 min. to 32 min.	2h to 32h
I	1 min. to 16 min.	1	A	J
II	2 min. to 32 min.	2	B	K
III	2 sec. to 32 sec.	3	C	L
Special types		0000		

Order Key for integrated Control Unit PICO-T2 for Bayonet Connectors

Construction type:		2185 . 901 . 5 . 1 . 0000		
Controller	PICO-T2			
Code	5			
Integrated electronic controller PICO-T2				
Lubricating time range		Code		
1 sec. to 60 sec.		1		
Special type		0000		

Subject to alterations!

Central Lubrication Pump PICO



Order-No. for integrated Control unit PICO S-EP 4 with Hirschmann connector

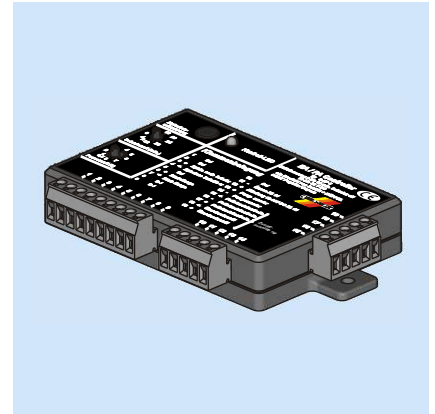
Order-No.	Lubrication Time	Cycle Time
21859002T	2 min. up to 32 min.	0.5 h up to 8 h
21859002Z	1 min. up to 16 min.	0.5 h up to 8 h

Order Key for integrated Control Unit PICO-tronic T1 with Hirschmann connector

Order-No.:					2185 . 900 . 3 . X . 0000
Model of Control Unit	PICO-tronic T1				
Order-No.	3				
at Trailers and Semitrailers PICO-tronic T1					
Range of Lubrication Time		Range of Cycle Time			
		0.5 h up to 8 h	2 min. up to 32 min.	2 h up to 32 h	
I	1 min. up to 16 min.	1	A	J	
II	2 min. up to 32 min.	2	B	K	
III	2 sec. up to 32 sec.	3	C	L	
Special Model	0000				

Subject to alterations!

External Control Unit S-EP 6



Order Key for external Control Unit S-EP 6

Order-No.: _____ 2166 . 9000 . X . X . 00

Mode of Operation		
Control by Time	Range of Lubrication Time	
	1 min. up to 16 min.	1
	2 min. up to 32 min.	2
Control by Strokes		3
Control by revolutions		4

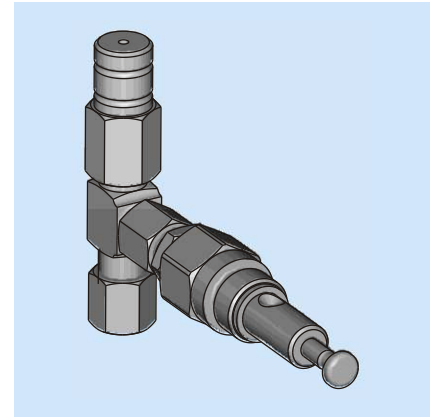
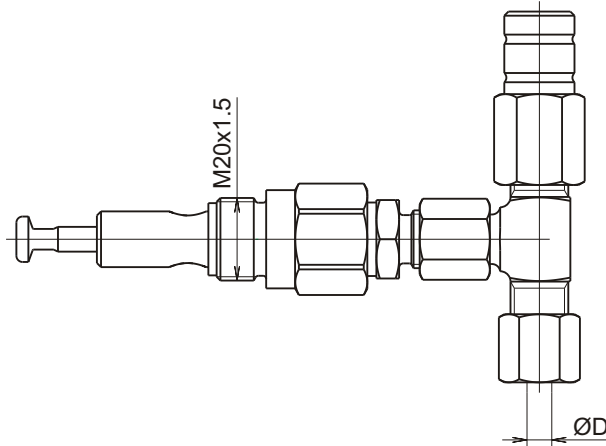
Connector for Special Functions		
Yes		1
No		2

Special Models 00

Subject to alterations!

Pump Element PE-120

for electric Pump EP-1

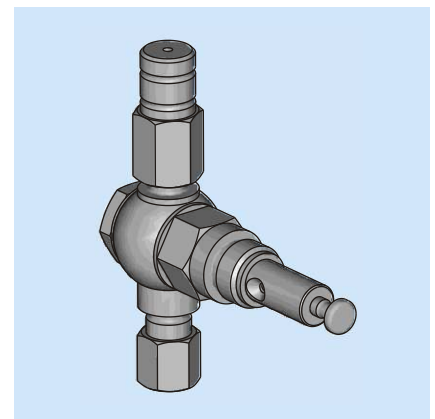
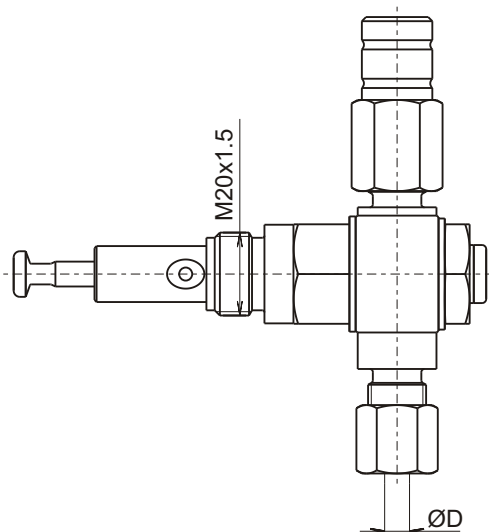


Part-No.	D	Material
2152 990 61 0000	6	Steel
2152 990 61 0001	8	Steel

All parts made of steel are zinc coated and yellow chromated.

Pump Element PE-120V

for electric Pump EP-1



Subject to alterations!

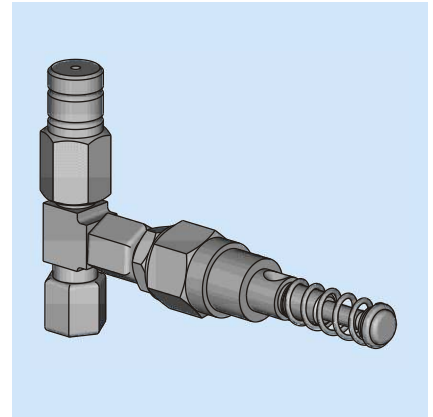
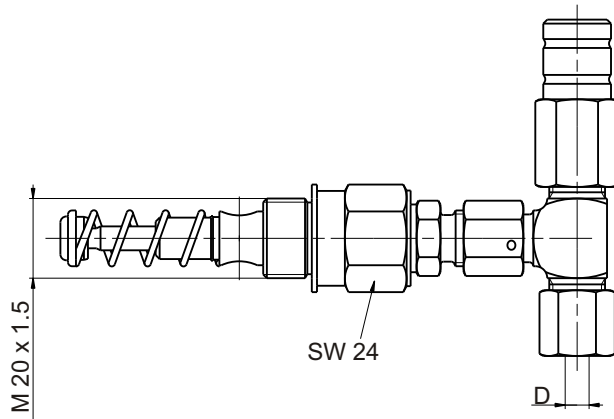
Part-No.	D	Material
2152 990 63 0000	6	Steel
2152 990 63 0001	8	Steel

All parts made of steel are zinc coated and yellow chromated.



Pump Element PE-120F

for Central Lubrication Pump Pico

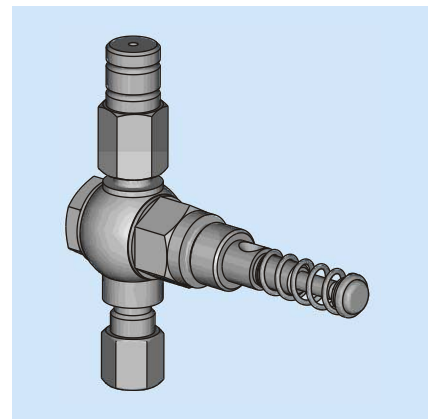
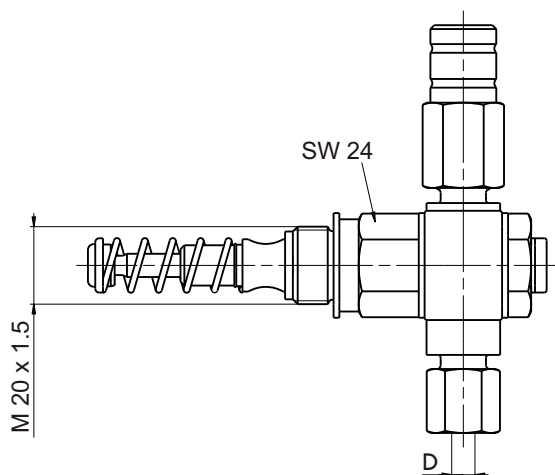


Part-No.	D	Material
2185 990 61 0000	6	Steel

All parts made of steel are zinc coated and yellow chromated.

Pump Element PE-120FV

for Central Lubrication Pump Pico



Part-No.	D	Material
2185 990 63 0000	6	Steel

All parts made of steel are zinc coated and yellow chromated.

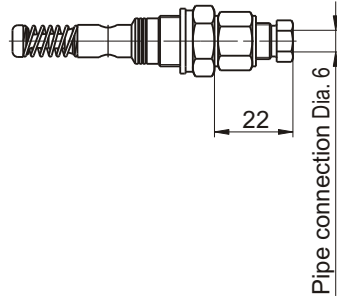
Subject to alterations!



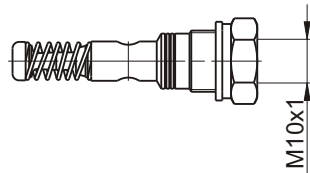
Pump Element PE-5 up to PE-50

for Central Lubrication Pump Pico

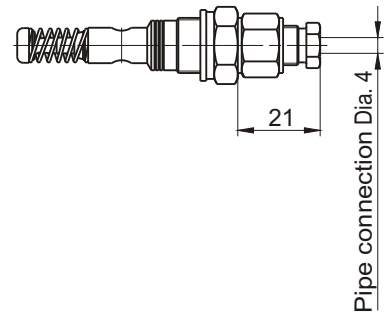
with Cap Screw and Double Cone Olive for Pipes Dia. 6:
(Standard)



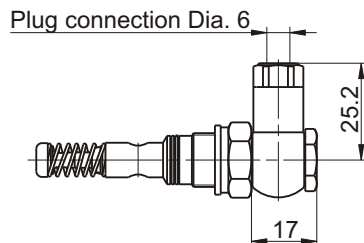
with Threaded Joint M10x1



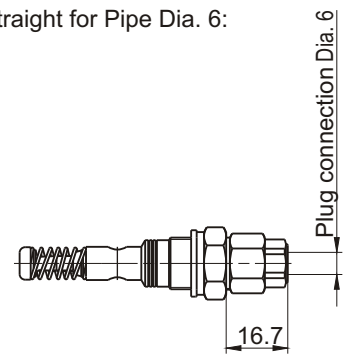
with Cap Screw and Double Cone Olive for Pipe Dia. 4:



with Plug-in Connection 90° for Pipe Dia. 6:



with Plug-in Connection straight for Pipe Dia. 6:



Order Key:

Order-No. 2154 . 9000 . 01

Name	Delivery Quantity/Stroke	
PE-5	5 mm ³	9001
PE-10	10 mm ³	9002
PE-15	15 mm ³	9003
PE-25	25 mm ³	9000
PE-50	50 mm ³	9010

Connection Name	
Threaded Joint M10x1	00
Pipe Connection Dia. 6 with ÜS6 and DKR6	01
Plug-in Connection straight for Pipe Dia. 6	02
Plug-in Connection 90° for Pipe Dia. 6	03
Pipe Connection Dia. 4 with ÜS4 and DKR4	04

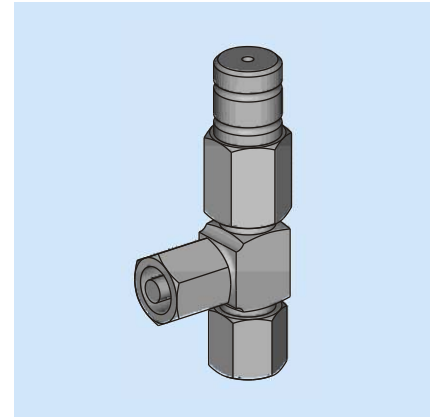
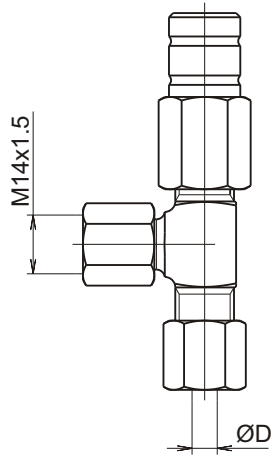
Subject to alterations!

All parts made of steel are zinc coated and yellow chromated.



Pressure Relief Valve

for PE-120 and PE-120F

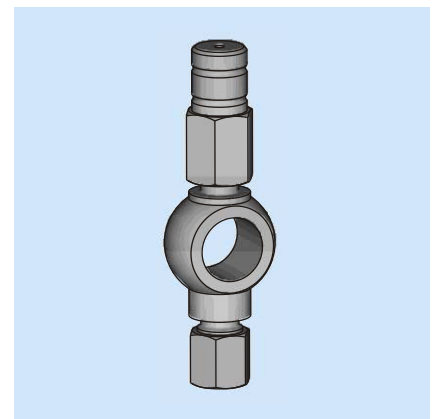
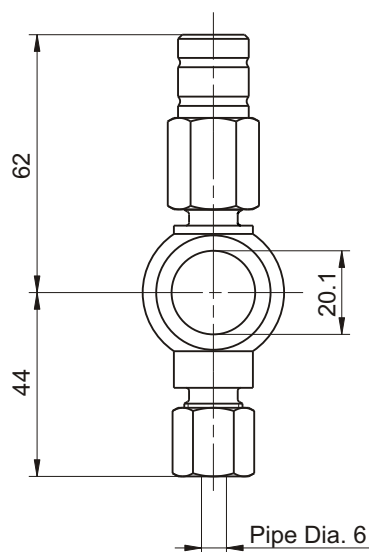


Part-No.	D	Material
2152 0062	6	Steel

All parts made of steel are zinc coated and yellow chromated.

Pressure Relief Valve

for PE-120V and PE-120FV



Subject to alterations!

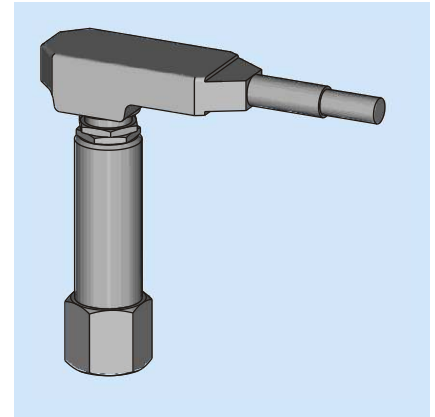
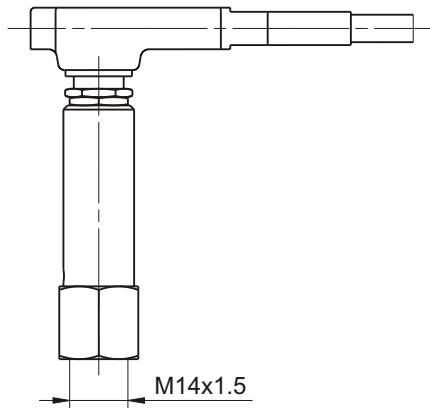
Part-No.	D	Material
2152 0063	6	Steel

All parts made of steel are zinc coated and yellow chromated.



Pressure Relief Valve with micro switch

for PE-120 V and PE-120FV
with cable loose on one side

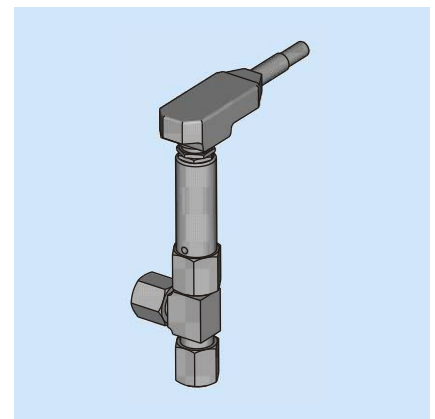
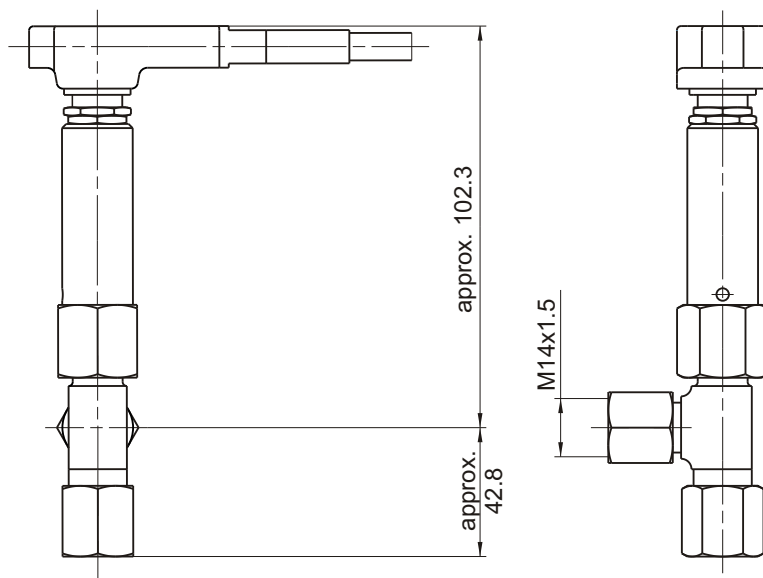


Part-No.	Material
2152 9906 10028	Steel

All parts made of steel are zinc coated and yellow chromated.

Pressure Relief Valve with micro switch

for PE-120 and PE-120F
with cable loose on one side



Subject to alterations!

Part-No.	Material
2152 99100	Steel

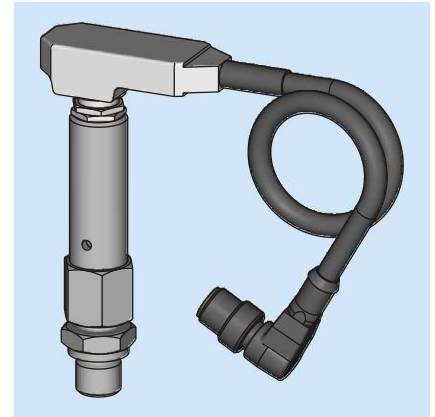
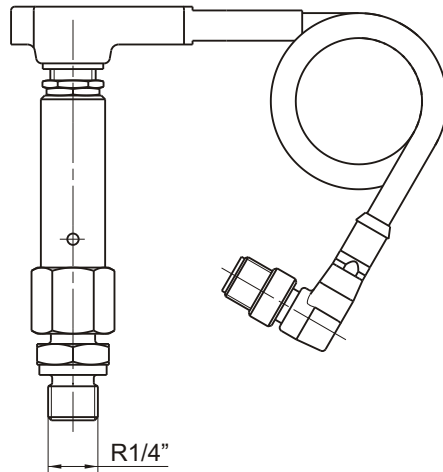
All parts made of steel are zinc coated and yellow chromated.



Pressure relief valve with micro switch

for PE-120 V and PE-120FV

with cable and angular plug M12x1 for the connection to the integrated controls BEKA-troniX1 and EP-tronic with bayonet connector



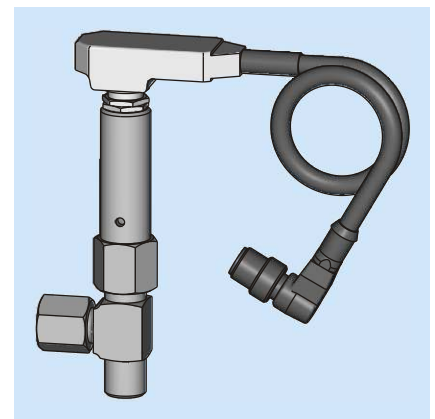
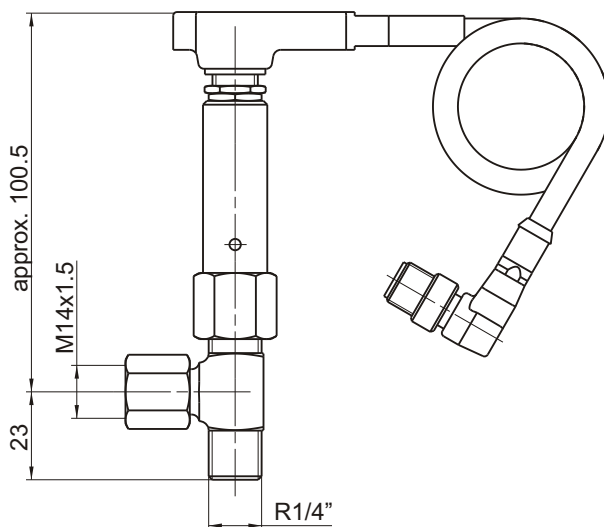
Part-No.	Material
2152 99 116	Steel

All parts made of steel are zinc coated and yellow chromated.

Pressure relief valve with micro switch

for PE-120, PE-120 F, PE-60 and PE-170

with cable and angular plug M12x1 for the connection to the integrated controls BEKA-troniX1 and EP-tronic with bayonet connector

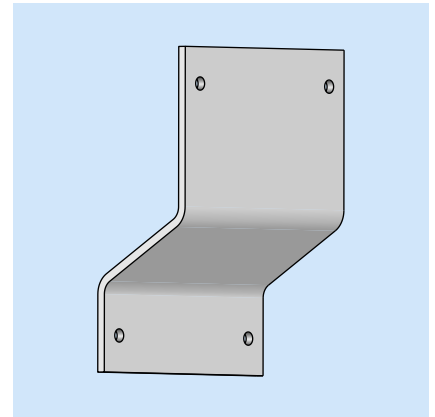
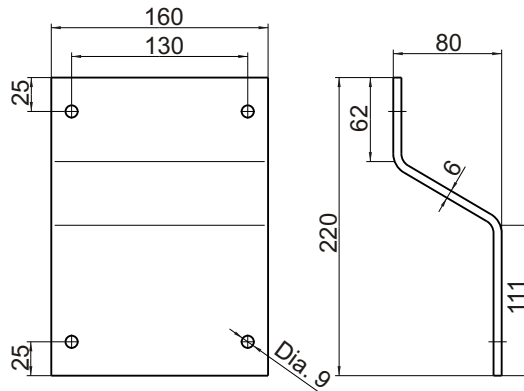


Parts-No.	Material
2152 99115	Steel

All parts made of steel are zinc coated and yellow chromated.

Mounting Bracket

for Electric Pump EP-1



Part-No.

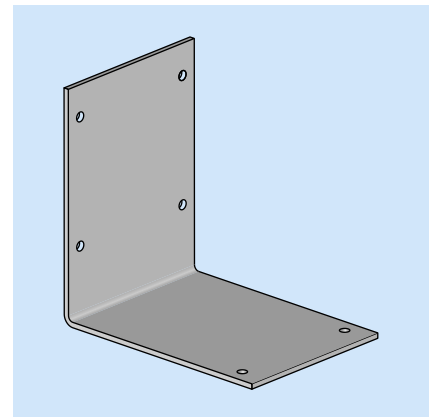
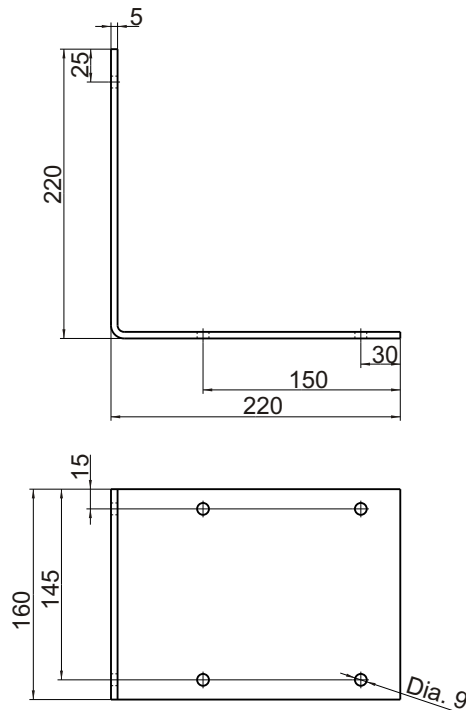
Material

0800500100

Steel zinc coated,
yellow chromate

Mounting Plate

for Electric Pump EP-1



Part-No.

Material

0800500101

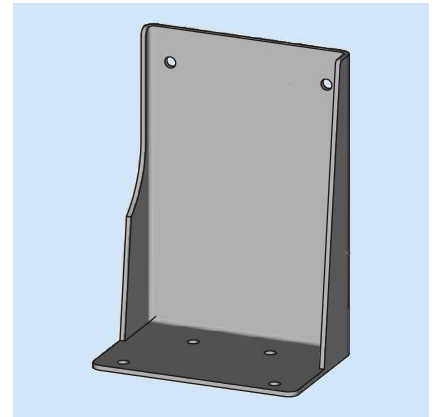
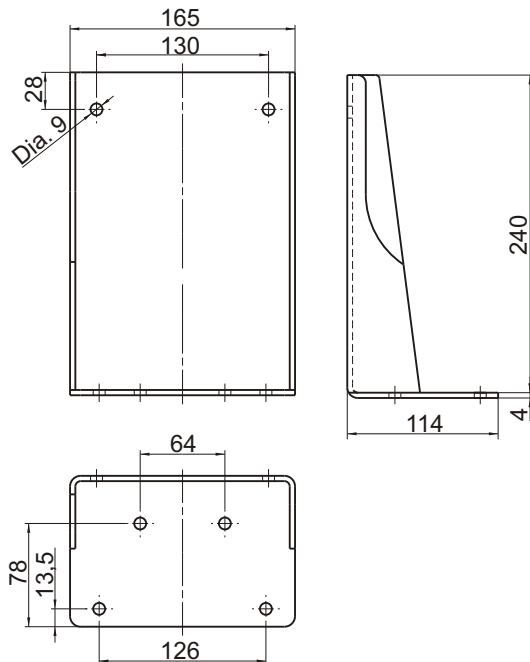
Steel zinc coated,
yellow chromate

Subject to alterations!



Bracket

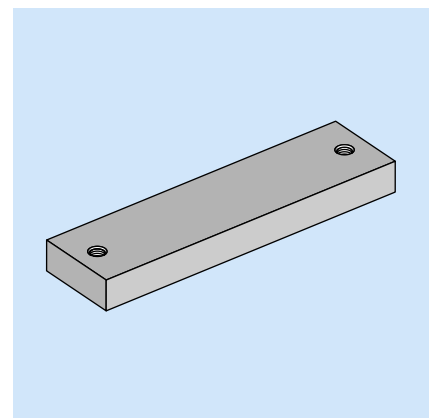
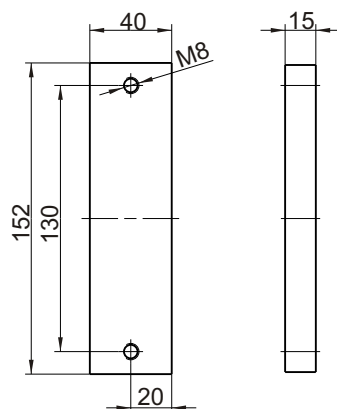
for Electric pump EP-1



Part-No.	Material
0800800445	Steel zinc coated yellow chromate

Mounting Plate

for Electric pump EP-1

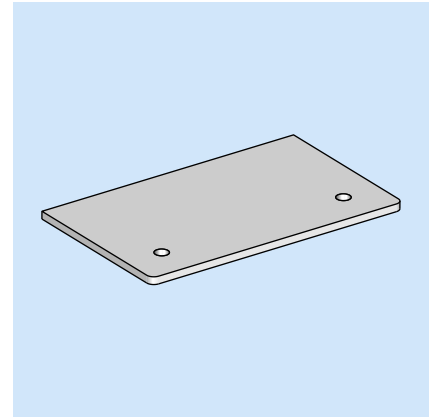
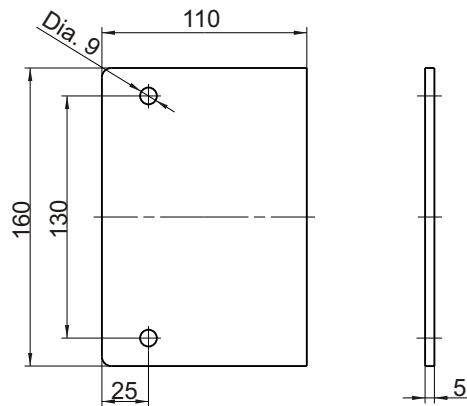


Part-No.	Material
FWZ03605-00	Steel uncoated

Subject to alterations!

Pump Mounting Plate

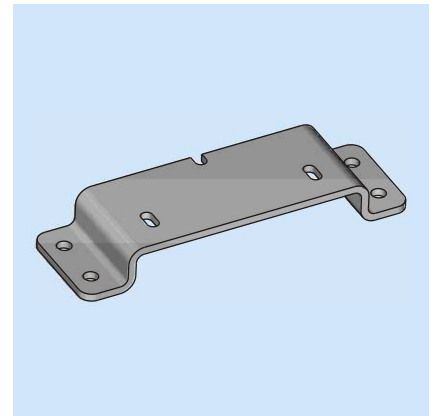
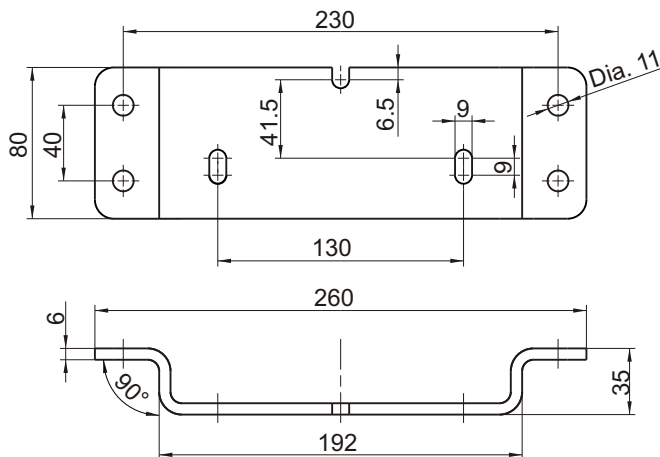
for Electric Pump EP-1



Part-No.	Material
0800800263	Steel uncoated

Mounting Bracket

for EP-1 with 8 kg Grease-reservoir 1 part

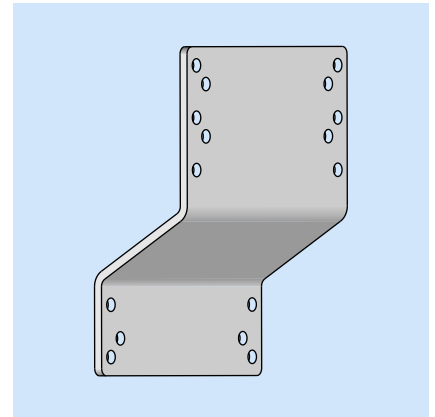
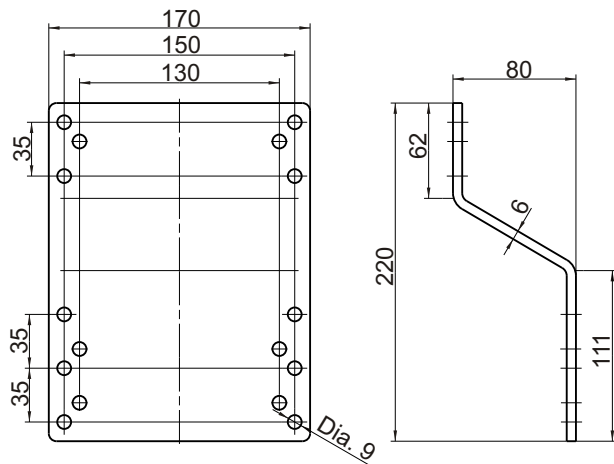


Part-No.	Material
0800800822	Steel zinc coated, yellow chromated

Subject to alterations!

Pump Mounting Plate

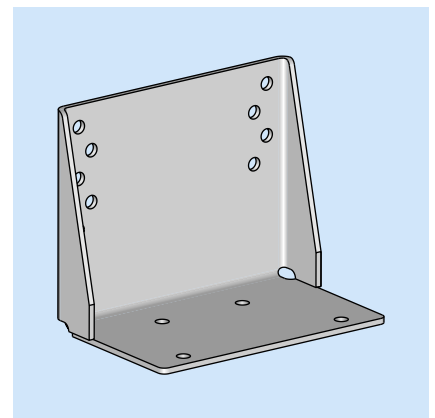
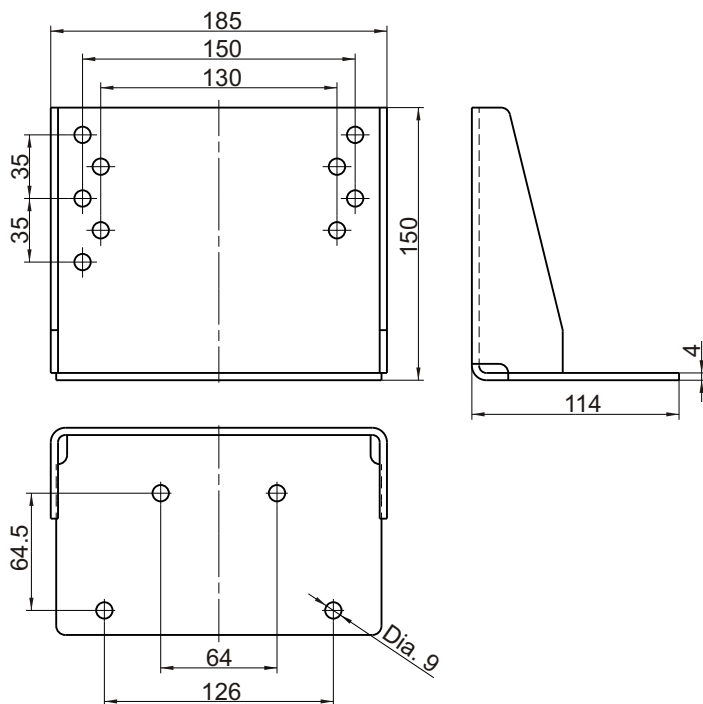
for Centralized Lubrication Pump PICO



Part-No.	Material
0800800733	Steel zinc coated, yellow chromate

Bracket

for Centralized Lubrication Pump Pico



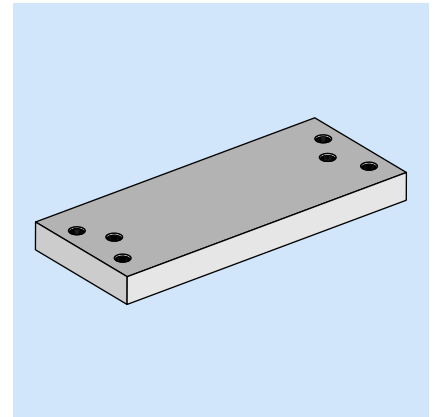
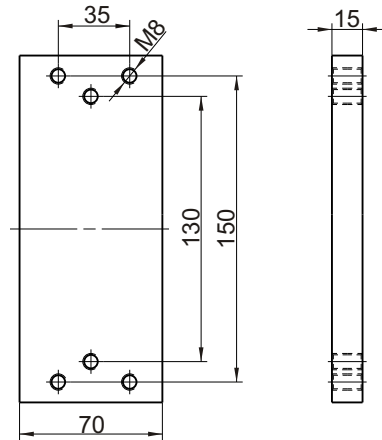
Part-No.	Material
0800800734	Steel zinc coated, yellow chromate

Subject to alterations!



Weld on mounting Plate

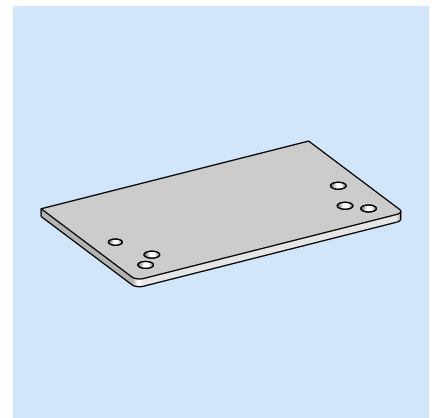
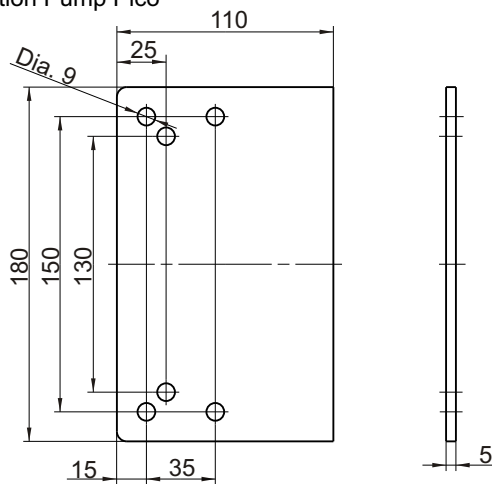
for Centralized Lubrication Pump Pico



Part-No.	Material
F2185/33-00	Steel uncoated

Mounting Plate

for Centralized Lubrication Pump Pico

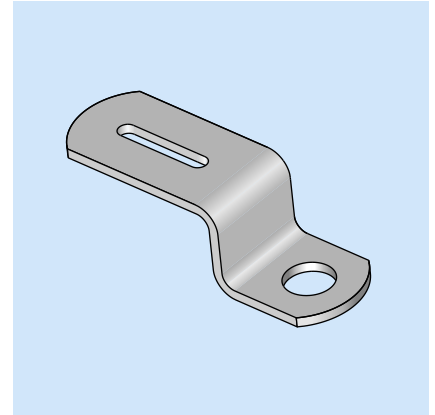
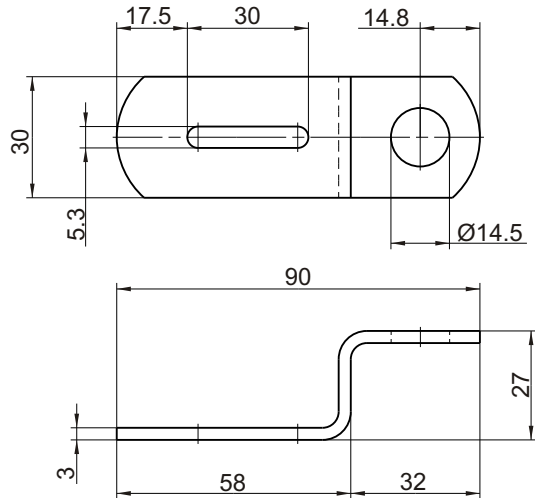


Part-No.	Material
0800800732	Steel uncoated

Subject to alterations!

Mounting Bracket

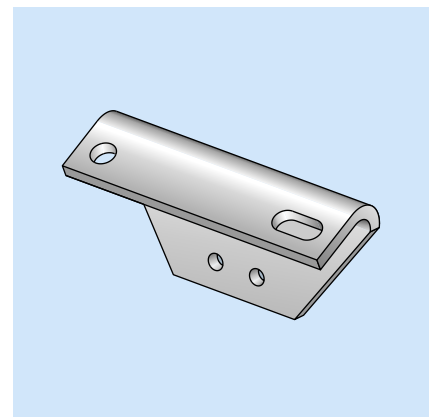
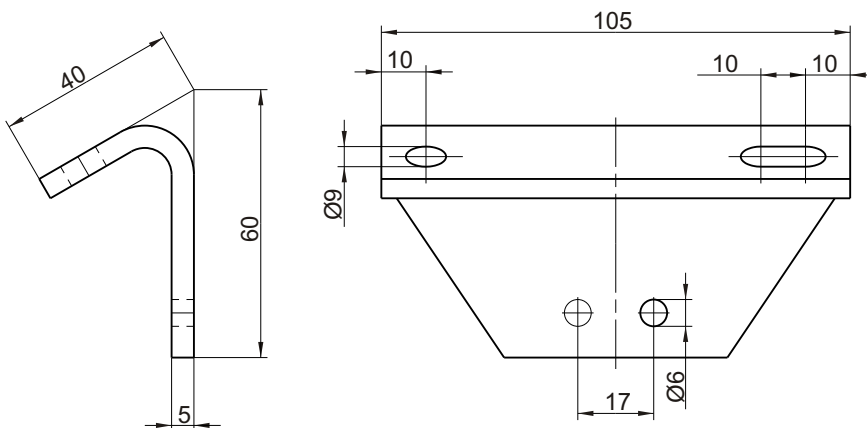
for MX-F Distributor



Part-No.	Material
0800800010	Steel zinc coated, yellow chromate

Mounting Bracket

for MX-F Distributor

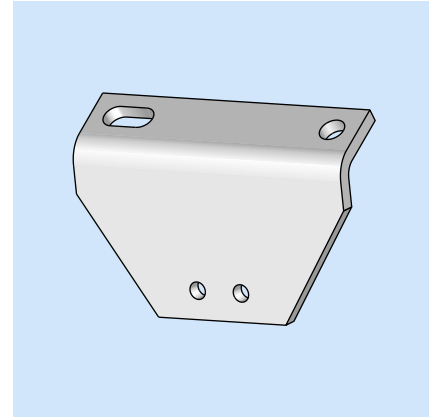
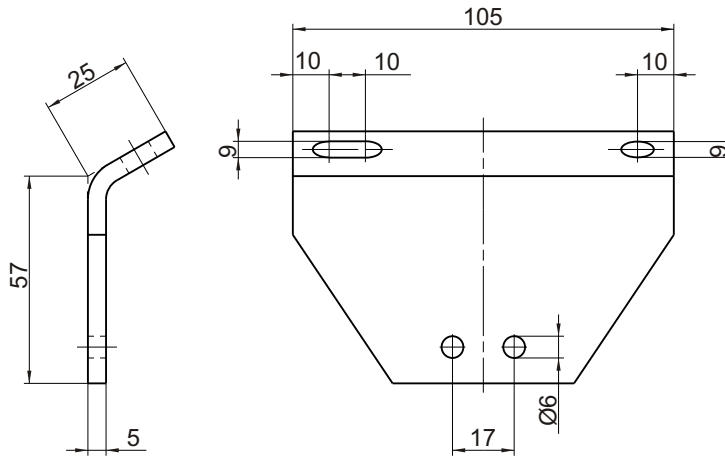


Part-No.	Material
0800800210	Steel zinc coated, yellow chromate

Subject to alterations!

Mounting Bracket

for MX-F Distributor



Part-No.

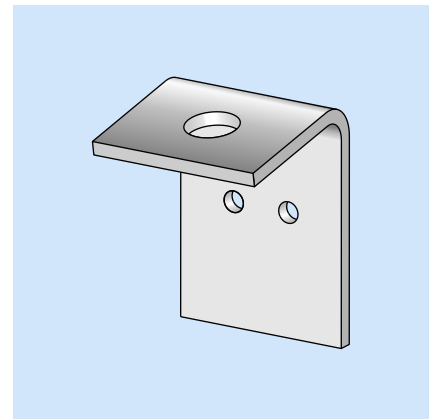
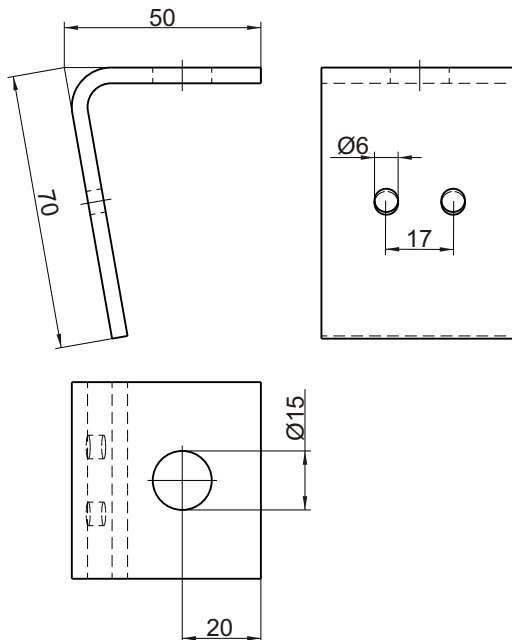
Material

0800800211

Steel zinc coated,
yellow chromate

Mounting Bracket

for MX-F Distributor



Part-No.

Material

0800800241

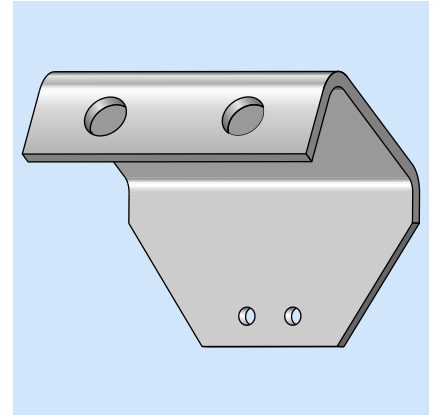
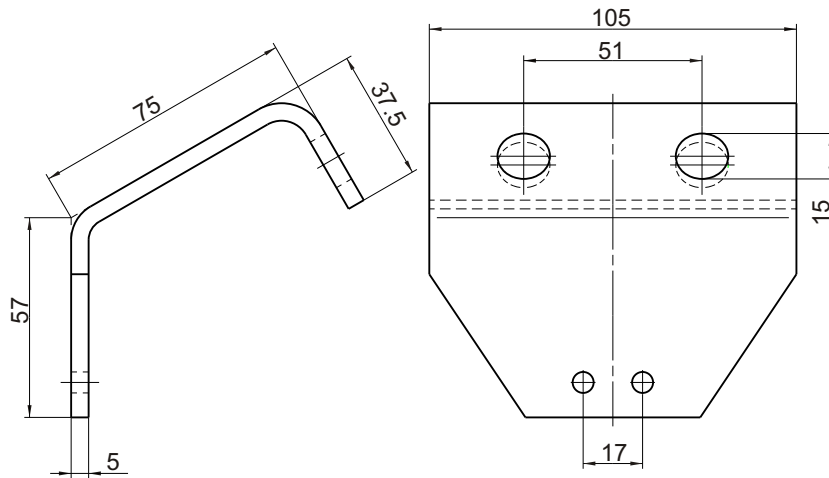
Steel zinc coated,
yellow chromate

Subject to alterations!



Mounting Bracket

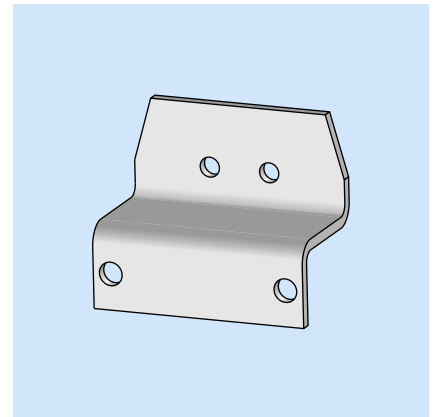
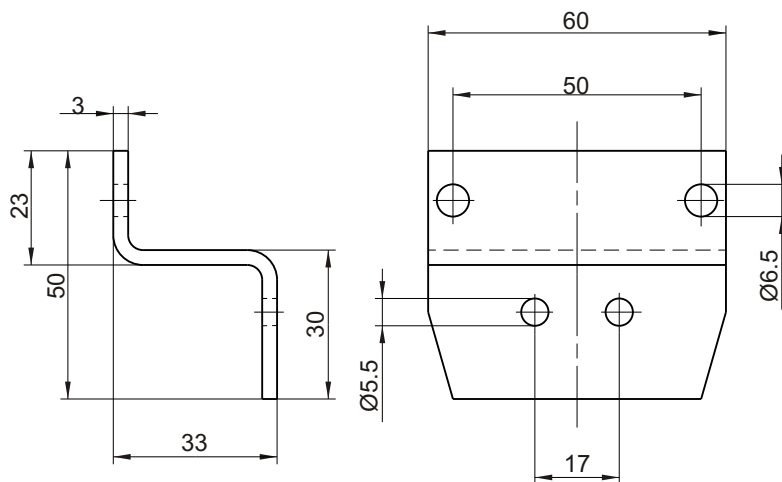
for MX-F Distributors



Part-No.	Material
0800800286	Steel zinc coated, yellow chromate

Mounting Bracket

for MX-F Distributor



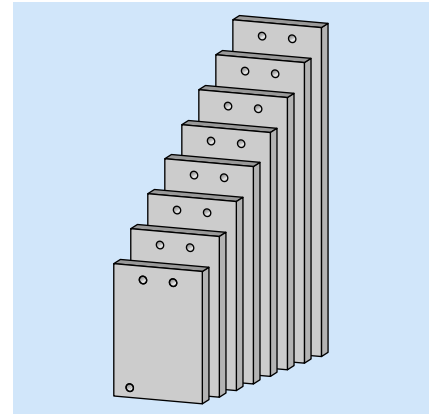
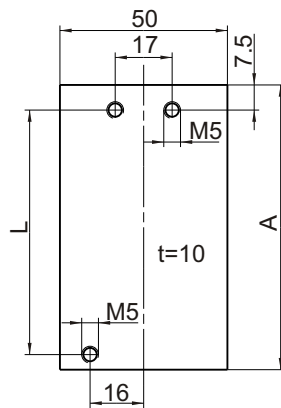
Part-No.	Material
0800800220	Steel zinc coated, yellow chromate

Subject to alterations!



Mounting Plates (welding)

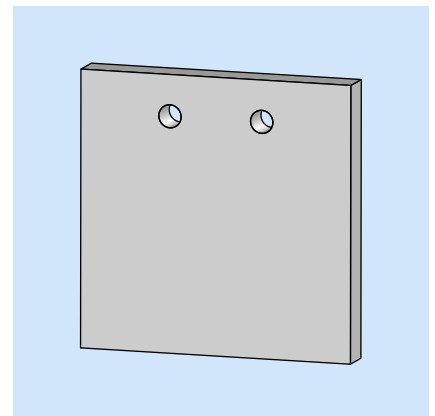
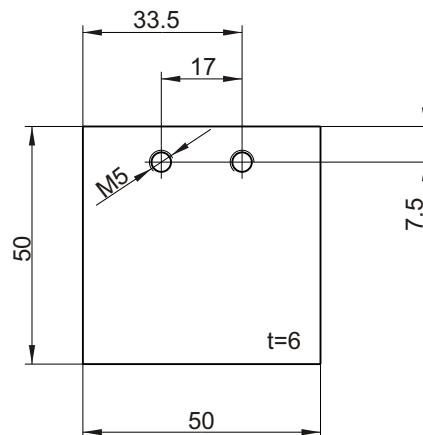
for MX-F Distributor



Part-No.	for Distributor MX-F X/X	A	L	Material
FWZ02259-00 001	3/X	70	57.2	Steel
FWZ02259-00 002	4/X	85	72.0	Steel
FWZ02259-00 003	5/X	100	86.7	Steel
FWZ02259-00 004	6/X	115	101.5	Steel
FWZ02259-00 005	7/X	129	116.2	Steel
FWZ02259-00 006	8/X	144	131	Steel
FWZ02259-00 007	9/X	159	145.7	Steel
FWZ02259-00 008	10/X	174	160.5	Steel

Short Mounting Plate (welding)

for MX-F Distributors



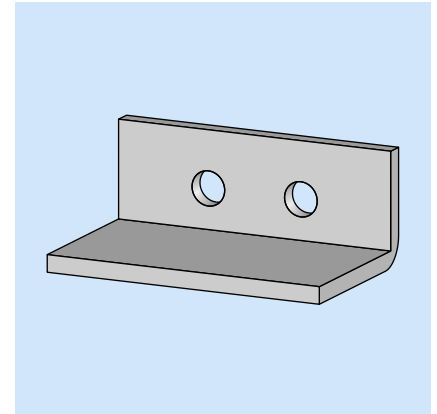
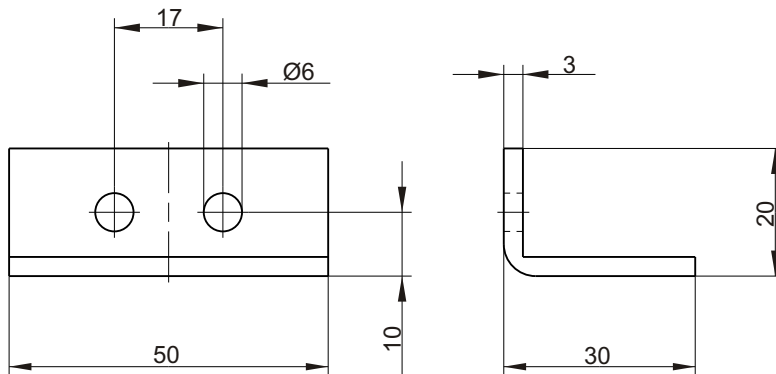
Subject to alterations!

Part-No.	Material
0800800636	Steel zinc coated, yellow chromate



Angle Mounting Plate (welding)

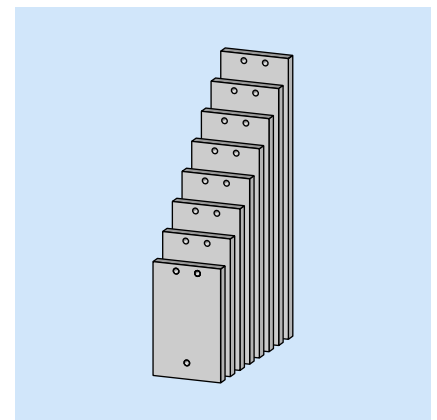
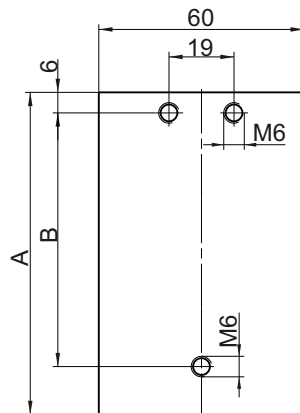
for MX-F Distributor



Part-No.	Material
0800800571	Steel zinc coated, yellow chromate

Mounting Plates (welding)

for SX-1 Distributors

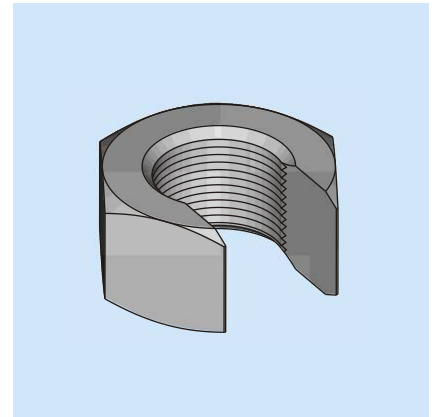
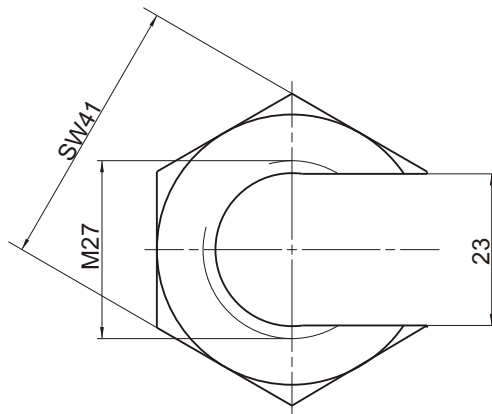


Part-No.	for Distributor SX-1 X/X	A	B	Material
FWZ02259-02 001	3	94.1	74.1	Steel
FWZ02259-02 002	4	113.8	93.8	Steel
FWZ02259-02 003	5	133.5	113.5	Steel
FWZ02259-02 004	6	153.2	133.2	Steel
FWZ02259-02 005	7	172.9	152.9	Steel
FWZ02259-02 006	8	192.6	172.6	Steel
FWZ02259-02 007	9	212.3	192.3	Steel
FWZ02259-02 008	10	232.0	212.0	Steel

Subject to alterations!

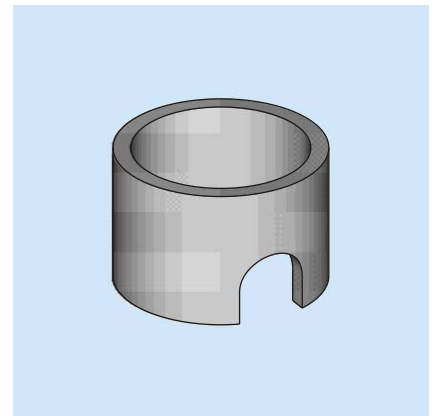
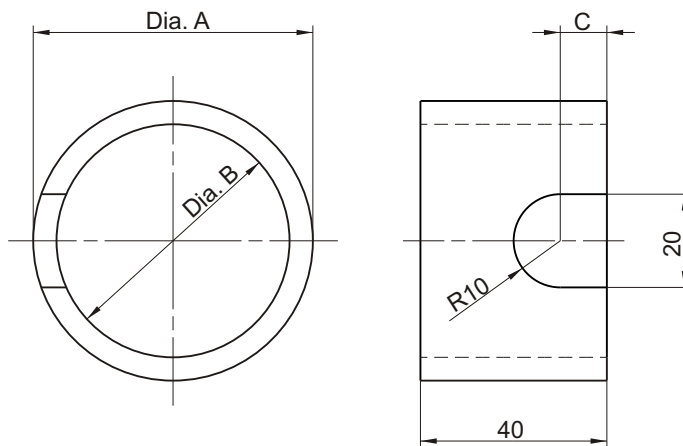


Weld-on Nut



Part-No.	Material
FWZ02617-00	Steel

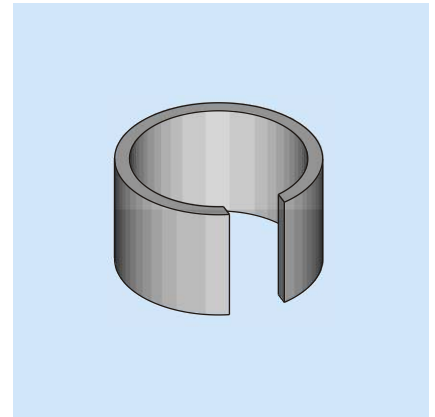
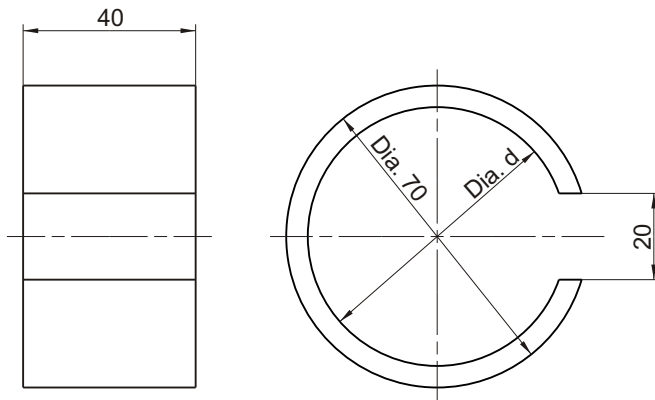
Protection Ring



Part-No.	Dia. A	Dia. B	C	Material
FWZ02902-01	60	50	10	Steel
FWZ02902-02	90	78	13	Steel
0802000595	70	60	10	Steel

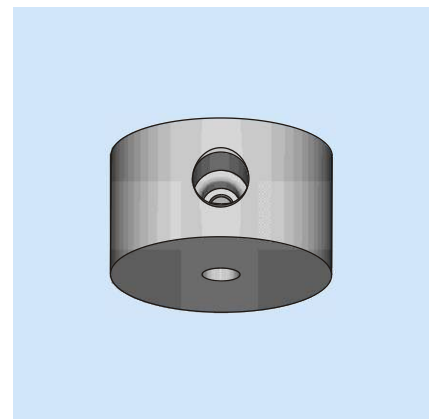
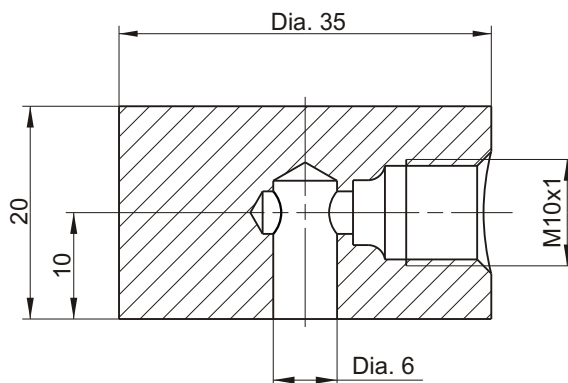
Subject to alterations!

Protector for Lubrication Points



Part-No.	Dia. d	Material
FWZ02902-00	60	Steel undercoated
FWZ02902-06	50	Steel bare

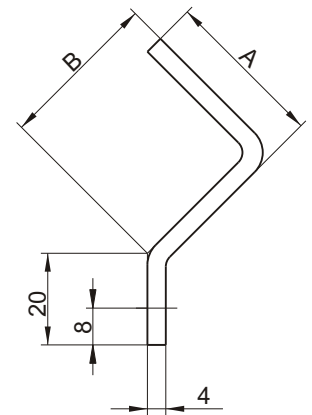
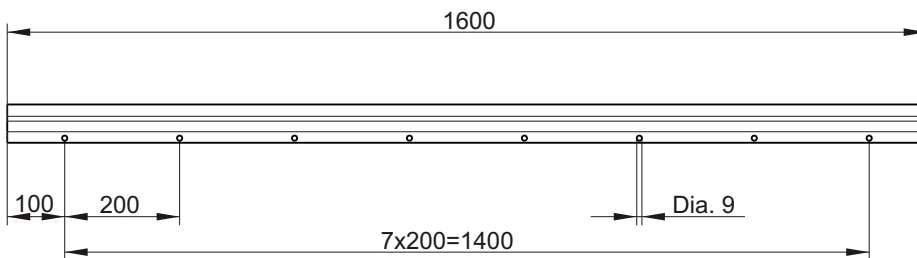
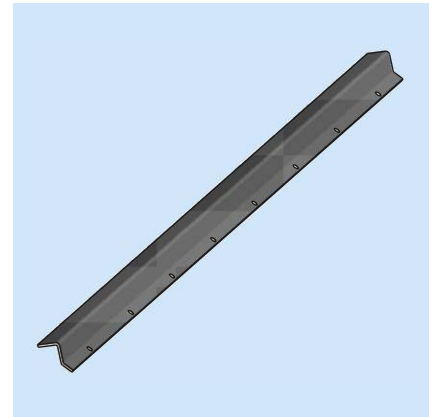
Weld-on Piece for connecting the Lubrication Point



Part-No.	Material
FWZ03326-00	Steel

Subject to alterations!

Protector for Pipes



Part-No.	A	B	Material
0800800628	35	35	Steel

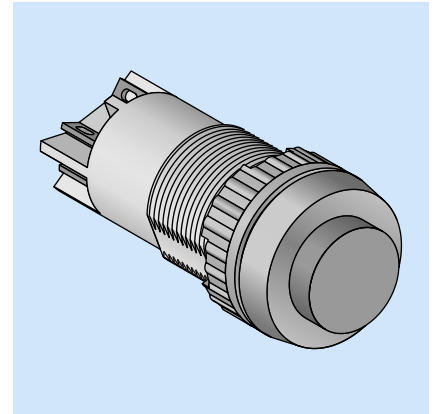
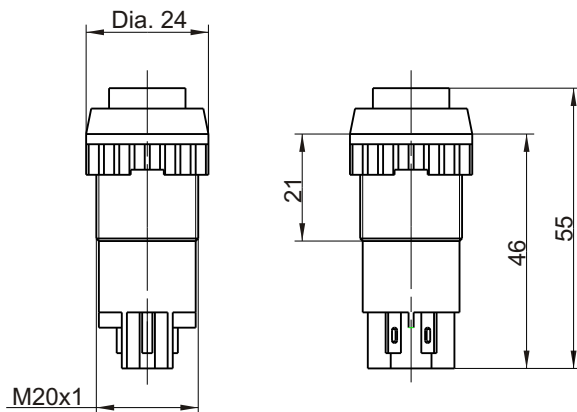
All Parts made of Steel are Zinc coated and yellow chromated.

Subject to alterations!

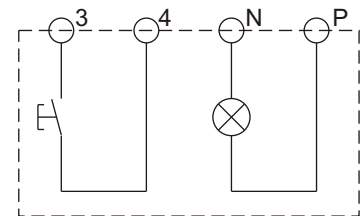


Push Button Light

(including Sticker)

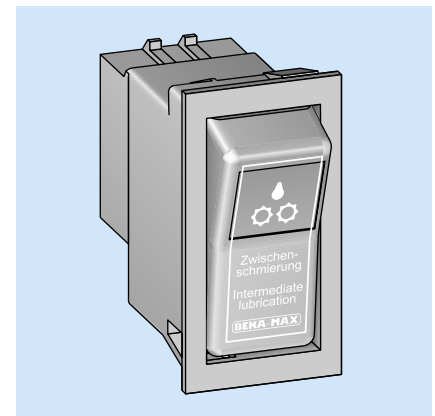
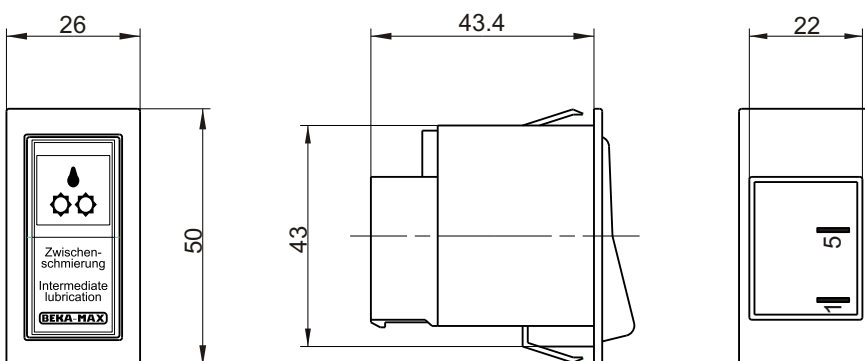


Part-No.	Voltage	Color	Material
100 091 051	12V	green	Plastics
100 091 050	24V	green	Plastics

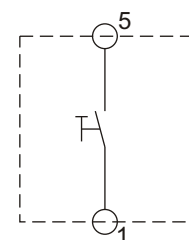
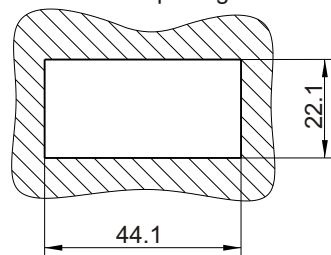


Intermediate Lube Button

(without Signal Lamp, inclusive Sticker)



Installation Opening:

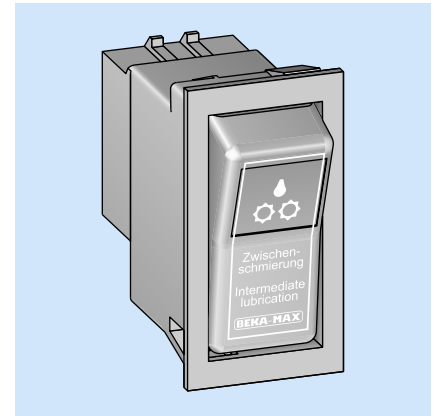
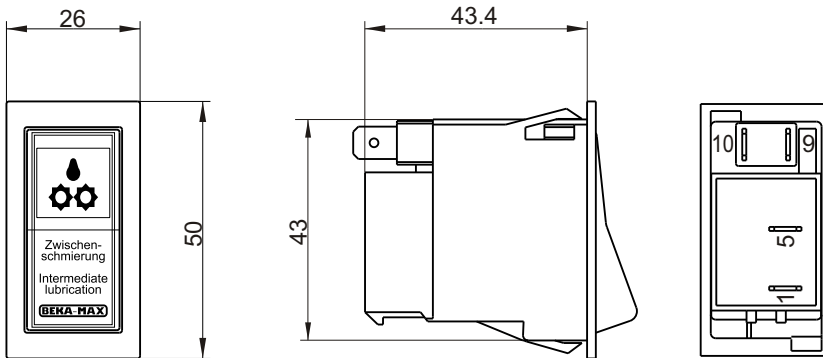


Subject to alterations!

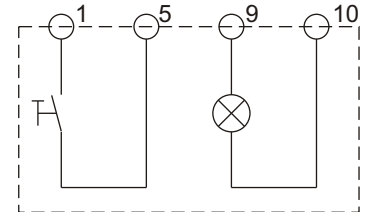
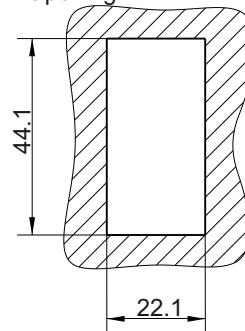
Part-No.	Material
1000950017	Plastic

Intermediate Lube Button

(with Signal Lamp)



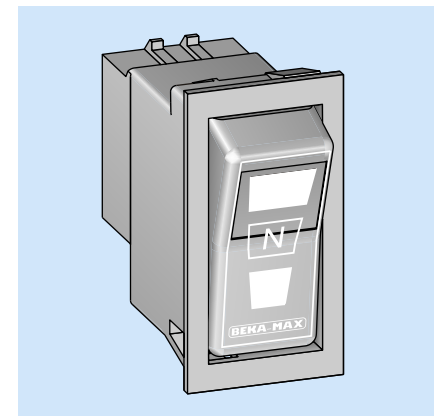
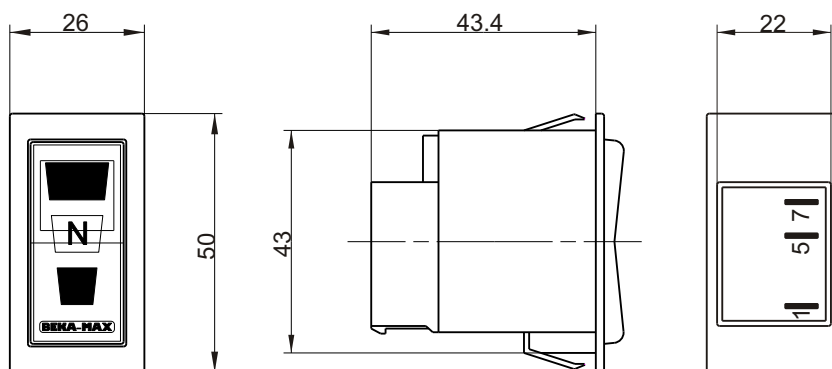
Installations
Opening:



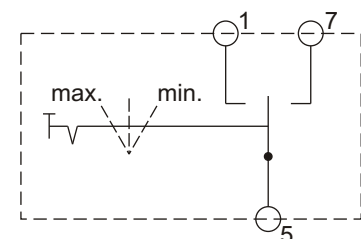
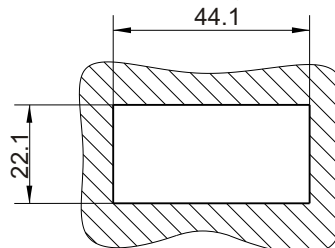
Part-No.	Voltage	Color	Material
1000 950 023	12V	green	Plastic
1000 950 024	24V	green	Plastic
1000 950 019	12V	red	Plastic
1000 950 020	24V	red	Plastic

Selective Lube Button

depending on Working Conditions



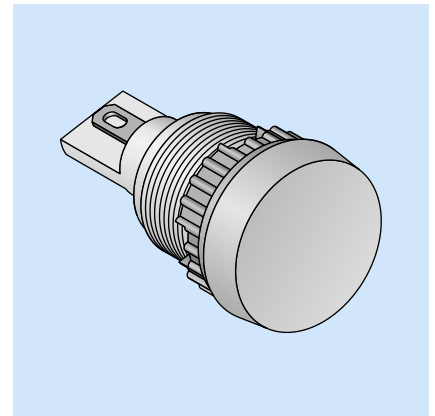
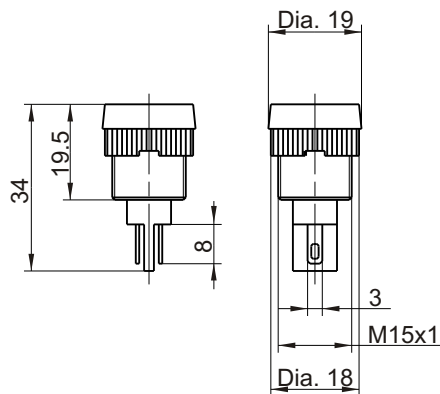
Installations Opening:



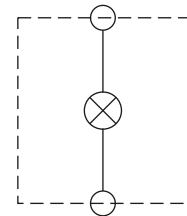
Subject to alterations!

Part-No.	Material
1000950018	Plastic

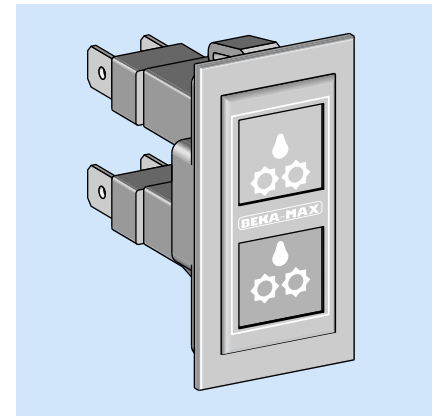
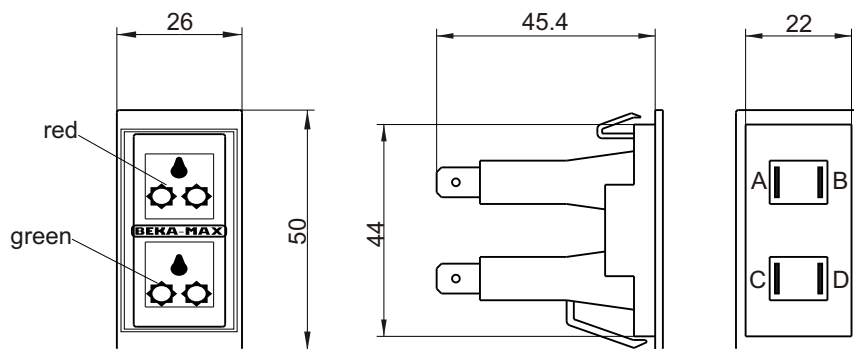
Signal Lamp



Part-No.	Voltage	Color	Material
100 091 300	12V	green	Plastic
100 091 310	24V	green	Plastic
100 091 305	12V	red	Plastic
100 091 320	24V	red	Plastic

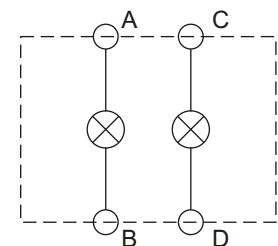
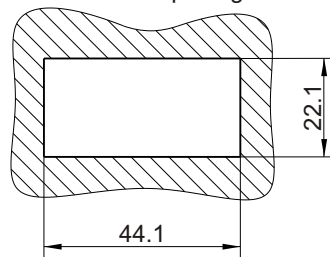


Signal Lamp



Part-No.	Voltage	Material
1000 950 021	12V	Plastic
1000 950 022	24V	Plastic

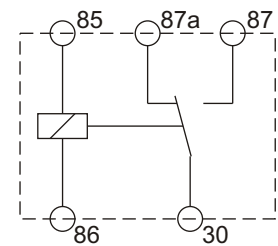
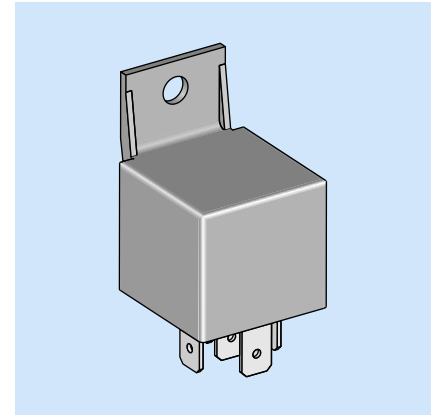
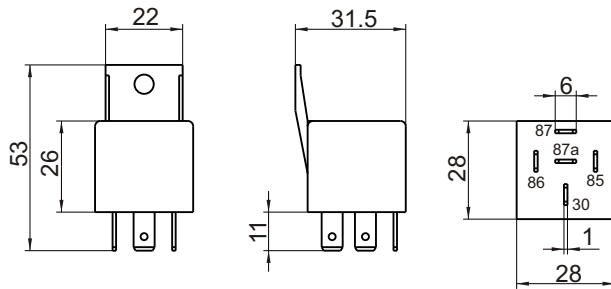
Installations Opening:



Subject to alterations!

Small Relay

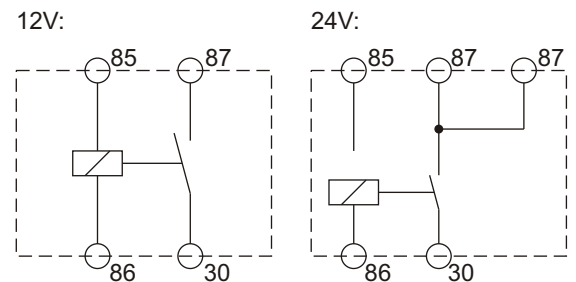
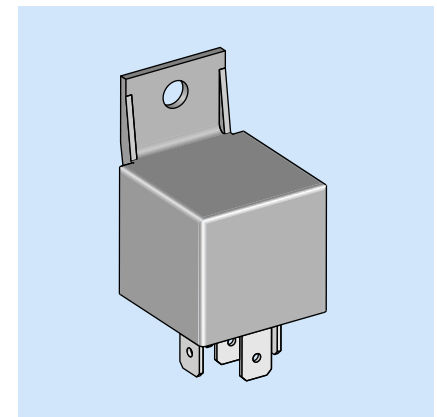
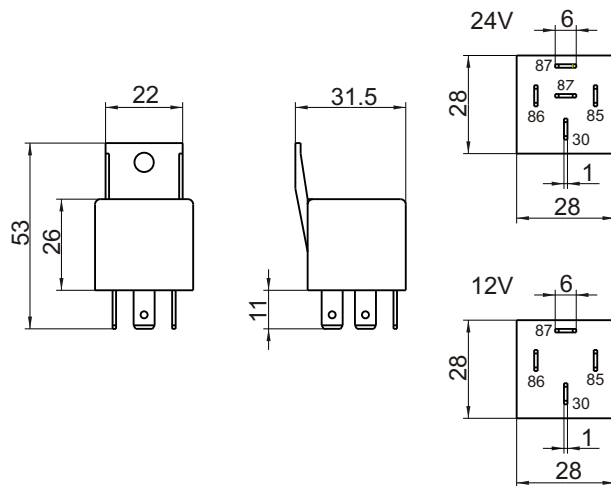
1 changeover switch



Part-No.	Voltage	Amperage
05 000 400 013	12V	20A
05 000 400 014	24V	20A

Small Relay

1 Closer

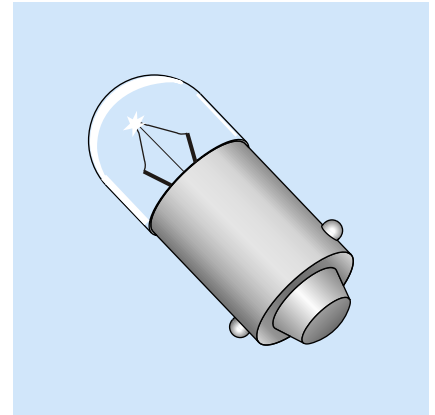
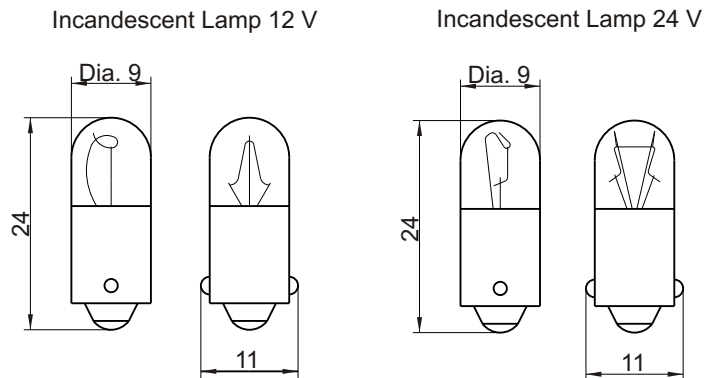


Part-No.	Voltage	Amperage
100 091 397	12V	30A
100 091 430	24V	20A

Subject to alterations!

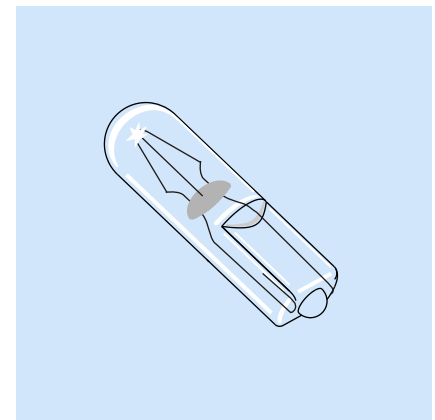
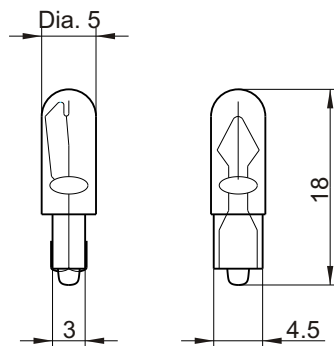


Incandescent Lamps



Part-No.	Voltage	Fitting for	
		Known as	Part-No.
100 091 551	12V	Light Push Button	100091051
100 091 550	24V	Light Push Button	100091050

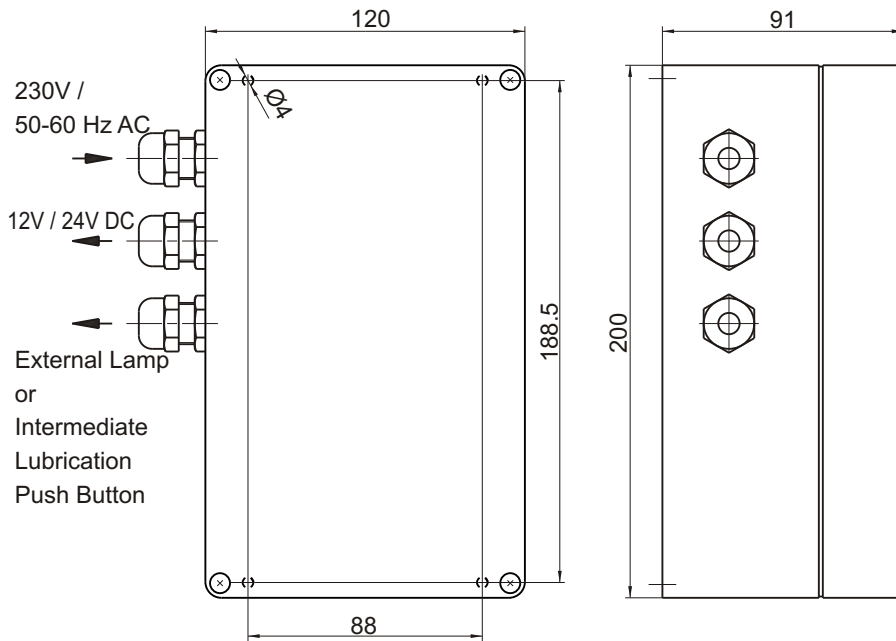
Incandescent Lamps



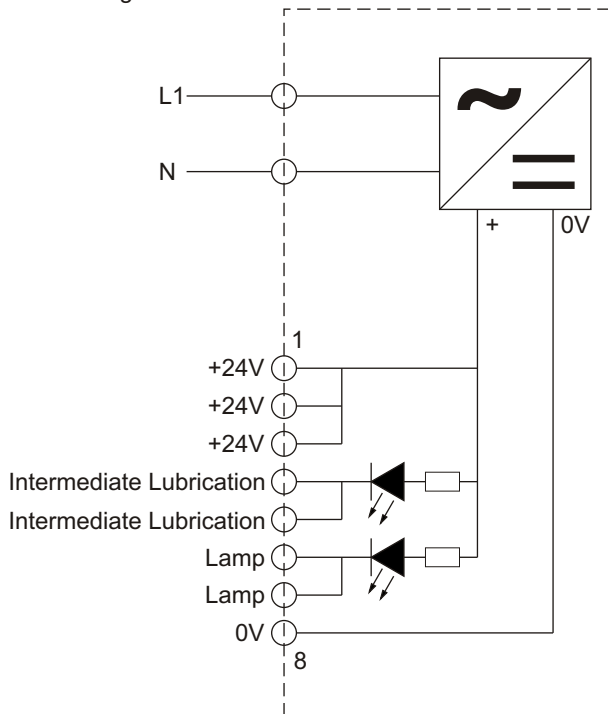
Part-Nr.	Voltage	Fitting for	
		Known as:	Part-No.
100 091 561	12V	Intermediate Button	1000950023
	12V	Intermediate Button	1000950019
	12V	Signal Light	100091300
	12V	Signal Light	100091305
	12V	Signal Light	1000950021
100 091 560	24V	Intermediate Button	1000950020
	24V	Intermediate Button	100091050
	24V	Signal Light	100091310
	24V	Signal Light	100091320
	24V	Signal Light	1000950022

Subject to alterations!

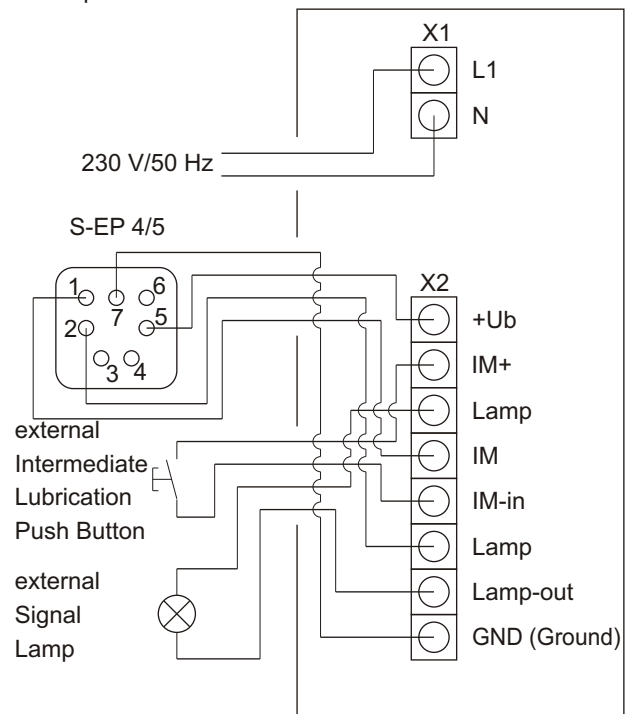
Power Supply NGR-1



Circuit Diagram:

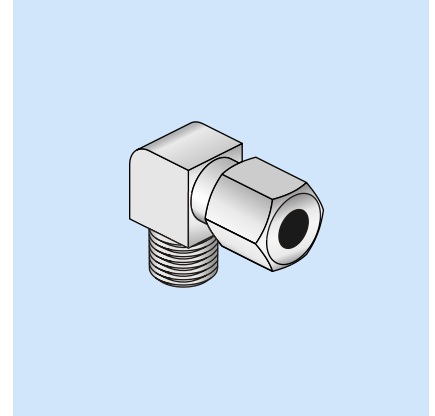
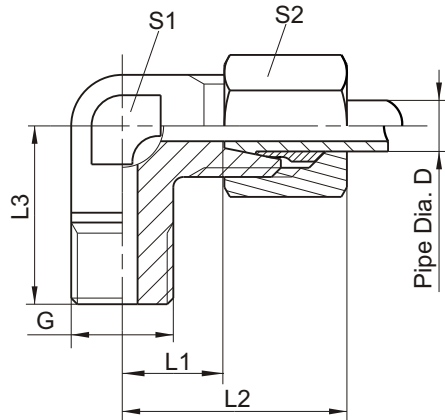


Example for connection:



Subject to alterations!	Part-No.	Voltage	Amperage	Possibility for Connect a Signal Lamp or a Intermediate Lubrication Push Button
	4170 2100	12V	4 A	with
	4170 2000	12V	4 A	without
	4170 1100	24V	2.2 A	with
	4170 1000	24V	2.2 A	without

Angular Couplings



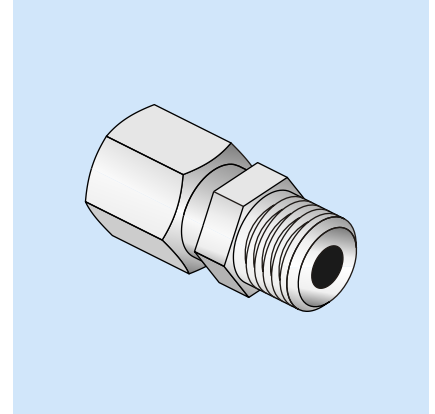
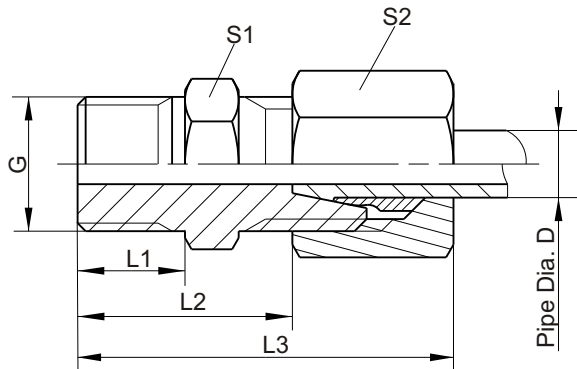
Part-No.	G	Construction Sort	Pipe Dia. D	L1	approx. L2	L3	S1	S2	Material
0401 2210 406	M6k	LL	4	11	21	17	9	10	Steel
0401 2210 506	M8x1k	LL	4	11	21	17	9	10	Steel
0401 2210 513	M8x1k	LL	4	11	21	17	9	10	1.4751
0401 2210 306	M10x1k	LL	4	11	21	17	11	10	Steel
0401 2210 606	R1/8"k	LL	4	11	21	18	11	10	Steel
0401 2210 613	R1/8"k	LL	4	11	21	18	11	10	1.4751
0401 2200 406	M6k	LL	6	9.5	21	17	11	12	Steel
0401 2200 413	M6k	LL	6	9.5	21	17	11	12	1.4305
0401 2200 506	M8x1k	LL	6	9.5	21	17	11	12	Steel
0401 2200 513	M8x1k	LL	6	9.5	21	17	11	12	1.4305
0401 2200 306	M10x1k	LL	6	9.5	21	17	11	12	Steel
0401 2200 313LL	M10x1k	LL	6	9.5	21	17	11	12	1.4305
0401 2201 006	M10x1k	L	6	12	27	20	12	14	Steel
0401 2200 606	R1/8"k	LL	6	10	22	17	11	12	Steel
0401 2200 613LL	R1/8"k	LL	6	10	22	17	11	12	1.4305
0401 2200 806	R1/4"k	S	6	16	31	27	14	17	Steel
0401 2200 813	R1/4"k	S	6	16	31	27	14	17	1.4305
0401 2220 606	R1/8"k	LL	8	11.5	23	20	12	14	Steel
0401 2220 306	M10x1k	LL	8	11.5	23	20	12	14	Steel
0401 2220 313	M10x1k	LL	8	11.5	23	20	12	14	1.4305
0401 2220 613	R1/8"k	LL	8	11.5	23	20	12	14	1.4305
0401 2220 806	R1/4"k	L	8	14	29	27	14	17	Steel
0401 2220 813	R1/4"k	L	8	14	29	27	14	17	1.4305

Subject to alterations!

All Parts made of steel are zinc coated and yellow chromated.

Straight Coupling

with Conical Thread



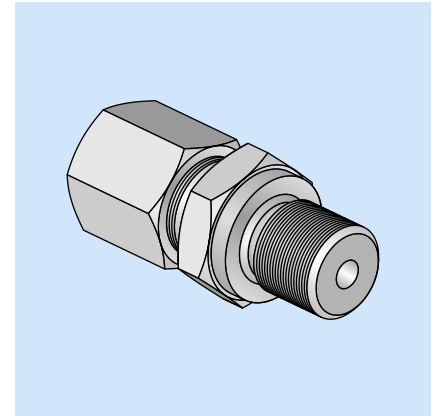
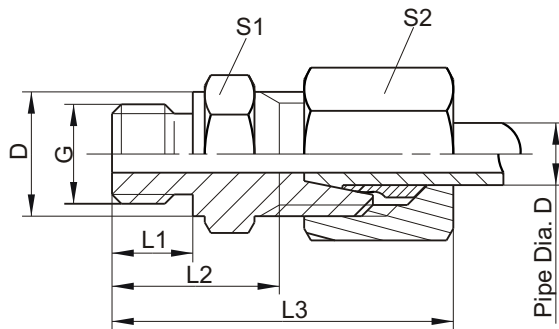
Part-No.	G	Construction Sort	Pipe Dia. D	L1	L2	approx. L3	S1	S2	Material
0401 2010 406	M6k	LL	4	8	16	26	10	10	Steel
0401 2010 506	M8x1k	LL	4	8	16	26	10	10	Steel
0401 2010 513	M8x1k	LL	4	8	16	26	10	10	1.4571
0401 2010 306	M10x1k	LL	4	8	14.5	26	11	12	Steel
0401 2010 606	R1/8"k	LL	4	8	16	26	11	10	Steel
0401 2000 406	M6k	LL	6	8	14.5	26	11	12	Steel
0401 2000 413	M6k	LL	6	8	14.5	26	11	12	1.4571
0401 2003 906	M7x1k	LL	6	8	14.5	26	12	12	Steel
0401 2000 506	M8x1k	LL	6	8	14.5	26	11	12	Steel
0401 2000 513	M8x1k	LL	6	8	14.5	26	11	12	1.4571
0401 2000 306	M10x1k	LL	6	8	14.5	26	11	12	Steel
0401 2000 313	M10x1k	LL	6	8	14.5	26	11	12	1.4305
0401 2000 606	R1/8"k	LL	6	8	14.5	26	11	12	Steel
0401 2000 613	R1/8"k	LL	6	8	14.5	26	11	12	1.4305
0401 2000 806	R1/4"k	S	6	11.5	23.5	40	17	17	Steel
0401 2020 306	M10x1k	LL	8	8	16.5	28	12	14	Steel
0401 2020 313	M10x1k	LL	8	8	16.5	28	12	14	1.4305
0401 2020 806	R1/4"k	L	8	12	20	35	17	17	Steel

All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!

Straight Couplings

with Straight Thread



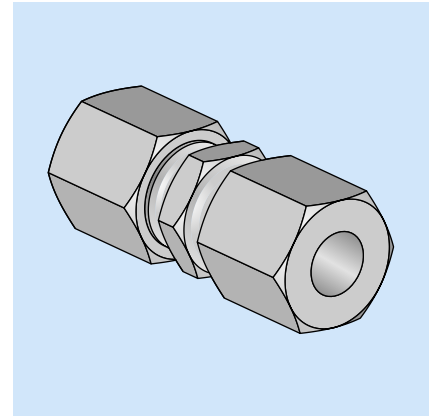
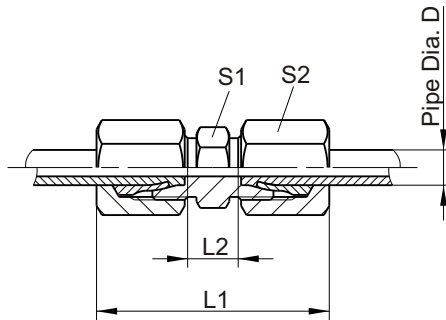
Part-No.	G	Construction Sort	Pipe Dia. D	L1	L2	approx. L3	S1	S2	D	Material
0401 2010 913	G1/8"	LL	4	8	16	28	14	12	14	1.4571
0401 2000 206	M10x1	L	6	8	16.5	31	14	14	14	Steel
0401 2000 213	M10x1	L	6	8	16.5	31	14	14	14	1.4571
0401 2000 906	G1/8"	LL	6	8	16	28	14	12	14	Steel
0401 2000 913LL	G1/8"	LL	6	8	16	28	14	12	14	1.4571
0401 2001 006L	G1/4"	L	6	12	22	37	19	14	18	Steel
0401 2001 006	G1/4"	S	6	12	25	40	19	17	18	Steel
0401 2001 013	G1/4"	S	6	12	25	40	19	17	18	1.4571
0401 2001 406	G3/8"	L	6	12	23.5	38	22	14	22	Steel
0401 2020 213	M10x1	L	8	12	22	37	17	17	17	1.4571
0401 2020 906	G1/8"	LL	8	8	18	29	14	14	14	Steel
0401 2020 913	G1/8"	LL	8	8	18	29	14	14	14	1.4571
0401 2021 006	G1/4"	L	8	12	22	37	19	17	18	Steel
0401 2021 013	G1/4"	L	8	12	22	37	19	17	18	1.4571
0401 2021 006S	G1/4"	S	8	12	27	42	19	19	18	Steel
0401 2021 406	G3/8"	L	8	12	23.5	38	22	17	22	Steel
0401 2021 413	G3/8"	L	8	12	23.5	38	22	17	22	1.4571

All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!

Straight Couplings

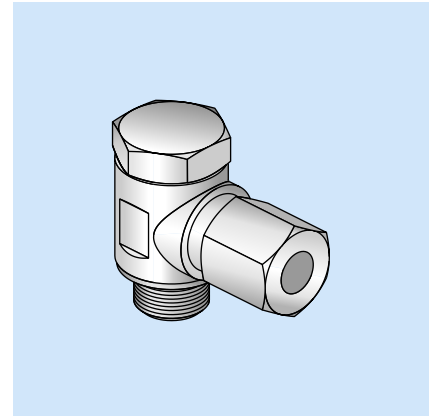
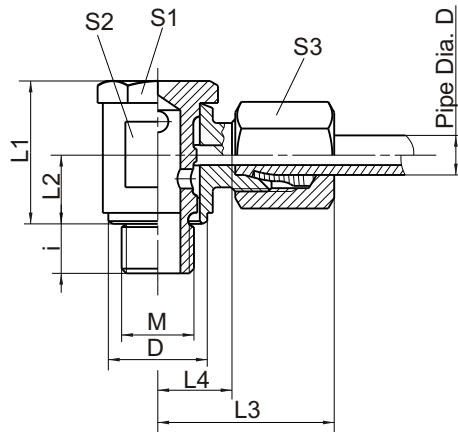
(Pipe Connectors)



Part-No.	Pipe Dia. D	Construction Sort	approx.				Material
			L1	L2	S1	S2	
0401 3600 106	4	LL	31	12	9	10	Steel
0401 3600 306	6	LL	32	9	11	12	Steel
0401 3600 313	6	LL	39	9	11	12	1.4571
0401 3601 006	6	L	39	10	12	14	Steel
0401 3602 006	6	S	45	16	14	17	Steel
0401 3600 406	8	LL	35	12	12	14	Steel
0401 3601 106	8	L	40	11	14	17	Steel
0401 3602 106	8	S	47	18	17	19	Steel

All Parts made of steel are zinc coated and yellow chromated.

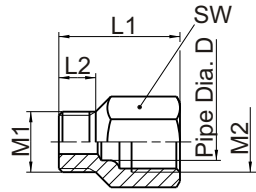
Banjo Assembly



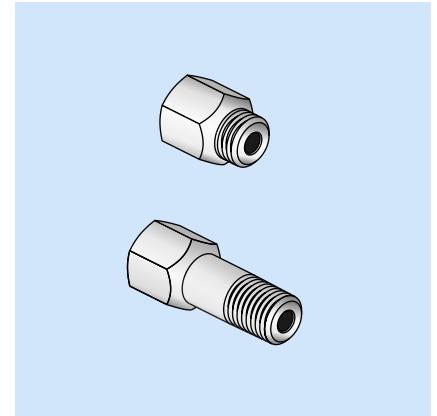
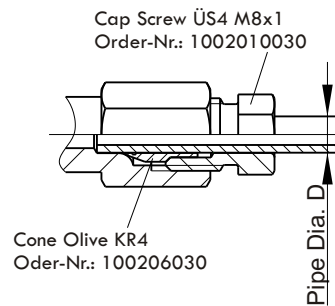
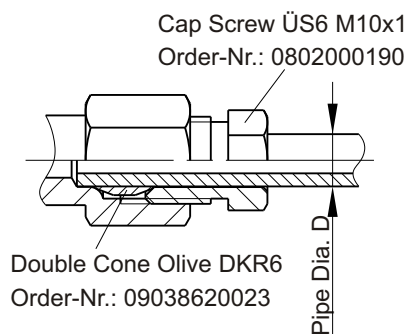
Part-No.	M	Pipe Dia. D	Construction sort	approx.				i	S1	S2	S3	D	Material
				L1	L2	L3	L4						
0401 3210 206	M10x1	4	LL	20	9.5	22	10	6	14	14	12	13	Steel
0401 3210 706	M8x1	4	LL	18	8	21	11.5	6	14	14	10	13	Steel
0401 3200 706LL	M8x1	6	LL	20	9.5	22	10	6	14	14	12	13	Steel
0401 3200 206LL	M10x1	6	LL	20	9.5	22	10	6	14	14	12	13	Steel
0401 3200 206	M10x1	6	L	22	10	26	11.5	6	14	17	14	14.5	Steel
0401 3200 906	G1/8"	6	L	22	10	26	11.5	6	14	17	14	14.5	Steel
0401 3201 006	G1/4"	6	S	26	12.5	29	14.5	9	19	19	17	18	Steel
0401 3220 206LL	M10x1	8	LL	21.5	10	23	11	6	14	14	14	13	Steel
0401 3220 906	G1/8"	8	LL	21.5	10	23	11	6	14	14	14	13	Steel
0401 3221 006	G1/4"	8	L	26	12.5	28	13	9	19	19	17	18	Steel

All Parts made of steel are zinc coated and yellow chromated.

Extension Piece



It is also possible to connect the lubrication pipes with a extension piece direct.

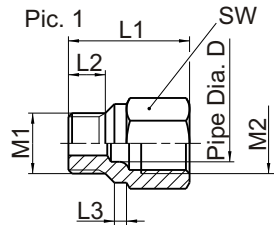


Part-No.	M1	M2	L1	L2	L3	SW	Pipe Dia. D	Material
1002 1000 301k	M6k	M8x1	20	6	--	11	4	Steel
0401 1600 506	M6k	M10x1	24	6	--	13	6	Steel
0401 1600 406	M8k	M10x1	21	6	--	13	6	Steel
1002 1000 304k	M8x1k	M8x1	17	7.4	--	11	4	Steel
0401 1600 106	M8x1k	M10x1	21	6	--	13	6	Steel
0401 1600 906	M10k	M10x1	21	6	--	13	6	Steel
1002 1000 306k	M10x1k	M8x1	16	7.4	--	11	4	Steel
0401 1610 306	M10x1k	M10x1	17.5	6	--	13	6	Steel
0401 1600 206	M10x1k	M10x1	21	6	--	13	6	Steel
0401 1600 213	M10x1k	M10x1	21	6	--	13	6	1.4305
0401 1610 006	M10x1k	M10x1	26	6	--	13	6	Steel
0401 1610 106	M12x1k	M10x1	21	8.5	--	13	6	Steel

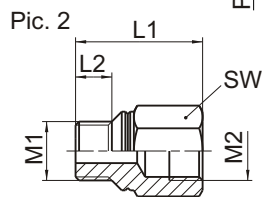
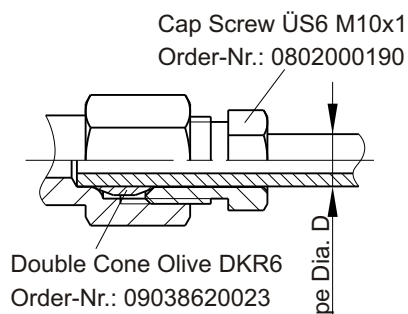
All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!

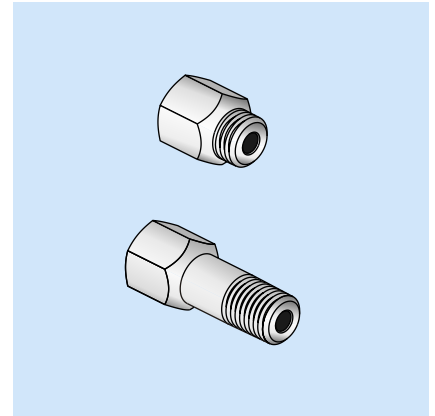
Extension Piece



It is also possible to connect the lubrication pipes with a extension piece direct.



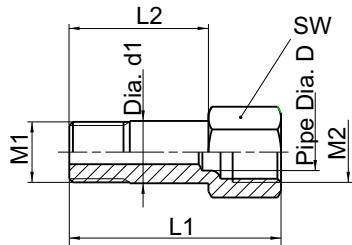
On this part it is not possible to connect a lubrication pipe directly.



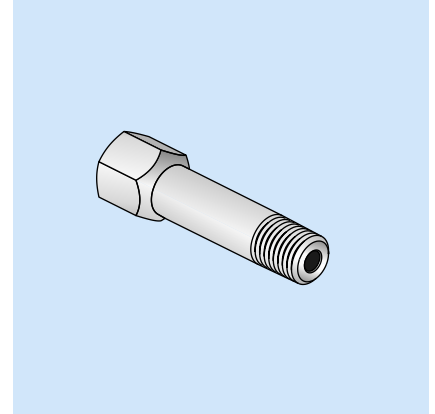
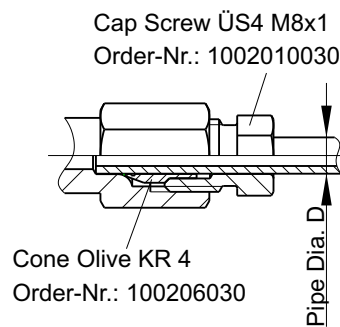
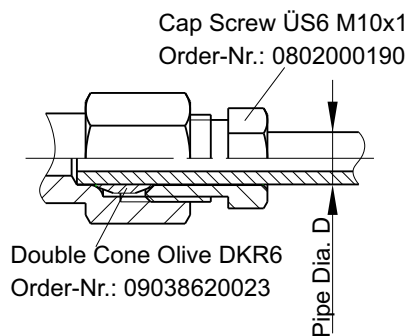
Part-No.	M1	M2	L1	L2	L3	SW	Pipe Dia. D	Material	Pic.
0401 1600 306	R1/8"k	M10x1	21	6	2	13	6	Steel	1
0401 1600 313	R1/8"k	M10x1	21	6	2	13	6	1.4305	1
0401 1604 106	R1/8"k	R1/8"	21	6	2	13	--	Steel	2
0401 1601 406	UNF 1/4"-28	M10x1	24	6	2	13	6	Steel	1
0401 1601 306	UNEF 1/4"-32	M10x1	24	6	4	13	6	Steel	1

All Parts made of steel are zinc coated and yellow chromated.

Extension Piece



It is also possible to connect the lubrication pipes to extension piece direct.



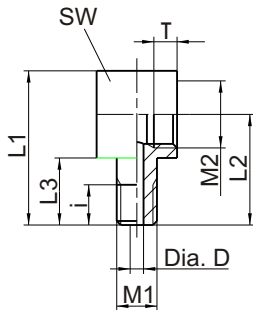
Part-No.	M1	M2	L1	L2	SW	Pipe Dia. D	Dia. d1	Material
0401 1605 806	M6k	M8x1	35	23	10	4	6.3	Steel
0401 1600 806	M8x1k	M8x1	35	23	10	4	8.3	Steel
0401 1603 106	M8x1k	M8x1	50	37.5	10	4	8.3	Steel
0401 1600 706	M10x1k	M10x1	35	23	13	6	10.3	Steel
0401 1610 813	M10x1k	M10x1	35	23	13	6	10.3	1.4305
0401 1600 606	M10x1k	M10x1	50	38	13	6	10.3	Steel
0401 1610 406	M10x1k kurz	M10x1	100	88	13	6	10.3	Steel
0401 1611 506	R1/8" k	M10x1	50	38	13	6	9.9	Steel
0401 1601 206	R1/4" k	M10x1	26	14	14	6	13.2	Steel
0401 1601 213	R1/4" k	M10x1	26	14	14	6	13.2	1.4305
0401 1601 006	R1/4" k	M10x1	35	23	14	6	13.2	Steel
0401 1601 013	R1/4" k	M10x1	35	23	14	6	13.2	1.4305
0401 1601 106	R1/4" k	M10x1	55	43	14	6	13.2	Steel
0401 1601 113	R1/4" k	M10x1	55	43	14	6	13.2	1.4305

All Parts made of steel are zinc coated and yellow chromated.

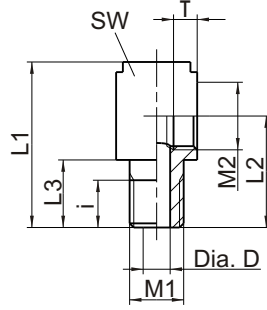
Subject to alterations!

Elbow Connector 90°

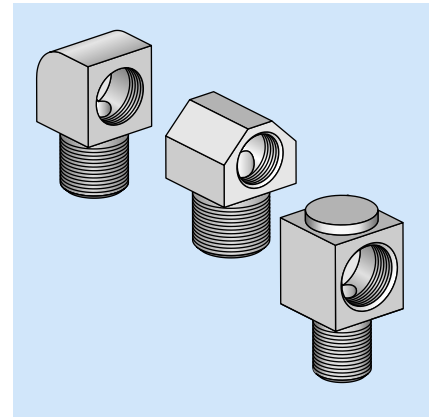
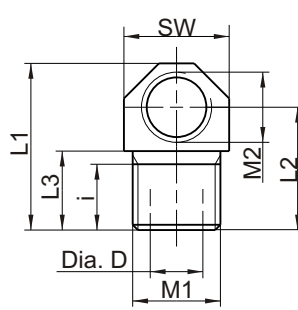
Pic. 1:



Pic. 2:



Pic. 3:

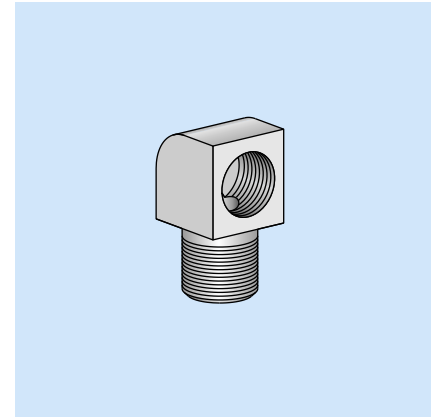
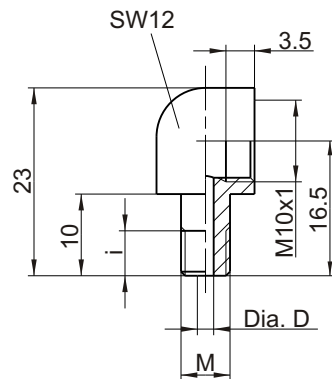


Part-No.	M1	i	M2	T	Dia. D	L1	L2	L3	SW	Material	Pic.
1002 10 010	M6k	6	M10x1	3.5	2	23	16.5	10	12	Steel	1
1002 10 020	M8x1k	7	M10x1	3.5	4	23	16.5	10	12	Steel	1
1002 10 025	M8x1.25k	7	M10x1	3.5	4	23	16.5	10	12	Steel	1
1002 10 106	M8x1k 1:10	7	M10x1	3.5	4	24.5	16.5	10	12	Steel	2
1002 10 120	M10x1k	7.5	M8x1	4.5	6	19	14	9	12	Steel	3
1002 10 030	M10x1k	7	M10x1	3.5	5	23	16.5	10	12	Steel	1
1002 10 041	M10x1k	7	M10x1	3.5	5	25	18.5	10	12	1.4305	1
1002 10 042	M10x1k	7	M10x1	3.5	5	65	58.5	10	12	1.4305	1
1002 10 043	M10x1k	7	M10x1	3.5	5	75	68.5	10	12	1.4305	1
1002 10 105	R1/8"k	10	M10x1	3.5	5	26	19	12	12	Steel	1
1002 10 035	R1/4"k	10	M10x1	3.5	7	26	19	12	14	Steel	1
1002 10 032	1/4"-28UNF	6	M10x1	3.5	2	23	16.5	10	12	Steel	1

All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!

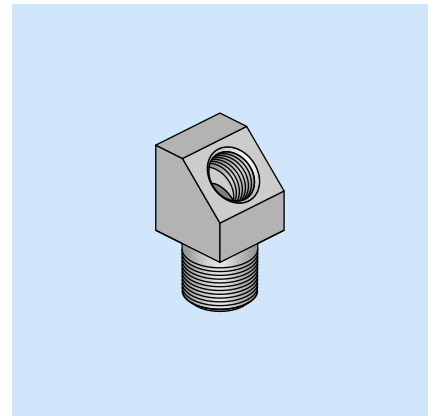
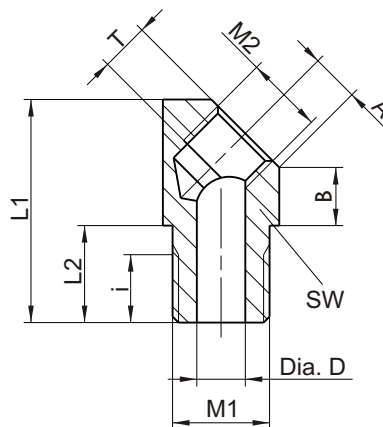
Elbow Connector 90°



Part-No.	M	i	Dia. D	Material
1002 10 073	M6k	6	2	Steel
1002 10 072	M8x1k	7	4	Steel
1002 10 071	M8x1.25k	7	4	Steel
1002 10 070	M10x1k	7	5	Steel

All Parts made of steel are zinc coated and yellow chromated.

Elbow Connector 45°



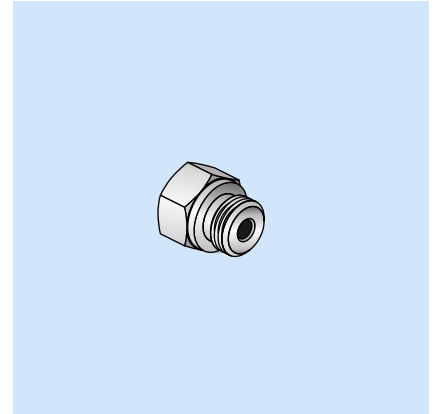
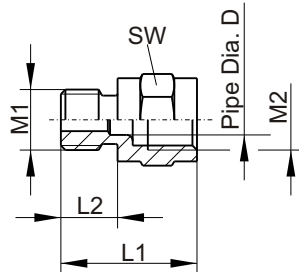
Part-No.	M1	i	Dia. D	M2	T	L1	L2	A	B	SW	Material
1002 10 095	M6k	6	2	M8x1	5	23	10	4.95	6	12	Steel
1002 10 085	M8x1k	7	4	M8x1	5	23	10	4.95	6	12	Steel
1002 10 090	M8x1.25k	7	4	M8x1	5	23	10	4.95	6	12	Steel
1002 10 080	M10x1k	7	5	M8x1	5	23	10	4.95	6	12	Steel
0401950007-00	R1/4"k	14.5	7	R1/4"k	7	32.5	14.5	7.1	8	18	Steel
1002 10 098	1/4"-28UNF	6	2	M8x1	5	23	10	4.95	6	12	Steel

Subject to alterations!

All Parts made of steel are zinc coated and yellow chromated.



Connection Parts, straight

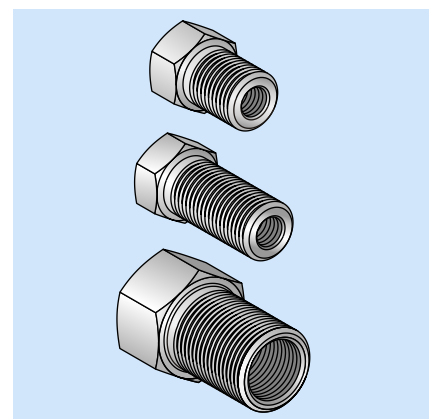
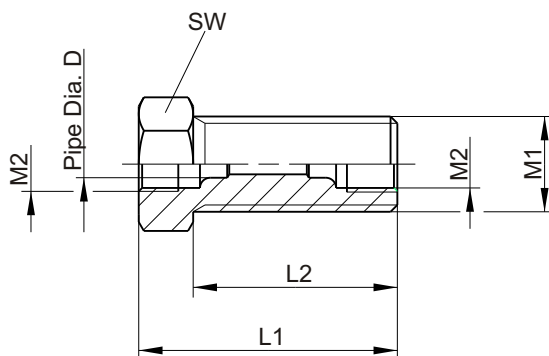


Part-No.	M1	M2	L1	L2	SW	Pipe Dia. D	Material
1002 1000 301	M6	M8x1	20	6.5	11	4	Steel
1002 1000 304	M8x1	M8x1	18	7.5	11	4	Steel
1002 1000 404	M8x1	M10x1	23	7.5	14	6	Steel
1002 1000 306	M10x1	M8x1	18	7.5	14	4	Steel
1002 1000 406	M10x1	M10x1	20.5	7.5	14	6	Steel
1002 1000 410	G1/4"	M10x1	21.5	10	17	6	Steel

All Parts made of steel are zinc coated and yellow chromated.

Straight Bulkhead Coupling

with Inside Threading

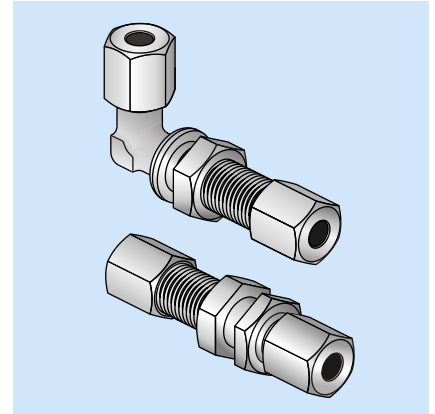
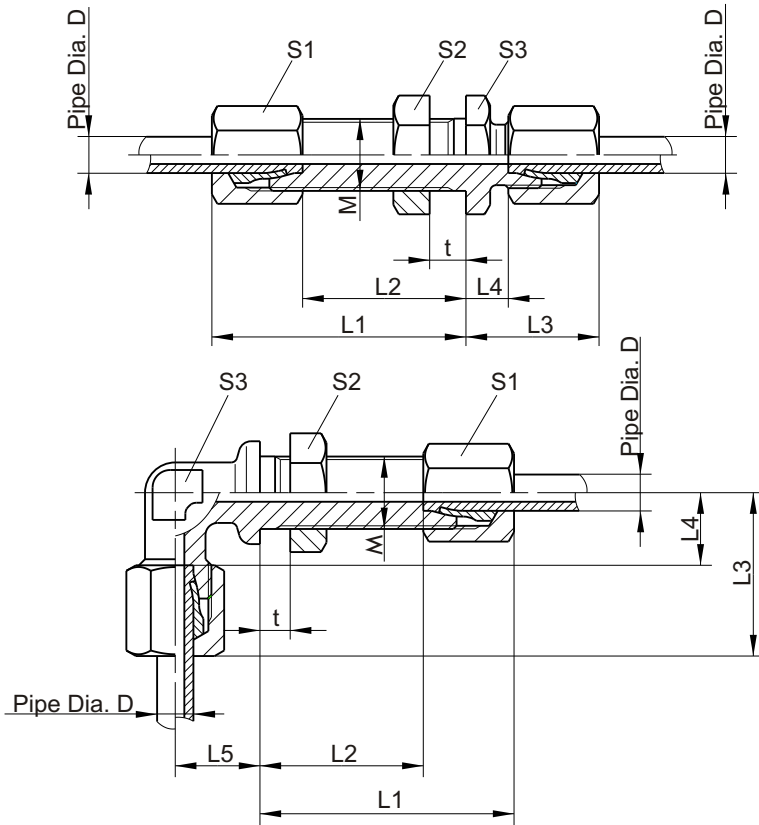


Part-No.	M1	M2	L1	L2	SW	Pipe Dia. D	Material
1002 5000 311	M14x1.5	M8x1	27	19	17	4	Steel
1002 5000 311L	M14x1.5	M8x1	38	30	17	4	Steel
1002 5000 411	M14x1.5	M10x1	30	20	17	6	Steel
1002 5000 715	M20x1.5	M16x1.5	42	27	24	10	Steel

All Parts made of steel are zinc coated and yellow chromated.



Bulkhead Couplings



Straight Bulkhead Couplings

Part-No.	Pipe Dia. D	Construction sort	M	t max.	approx. L1	approx. L2	approx. L3	L4	S1	S2	S3	Material
0401 4701 006	6	L	M12x1.5	16	42	27	22	7	14	17	17	Steel
0401 4701 013	6	L	M12x1.5	16	42	27	22	7	14	17	17	1.4571
0401 4701 106	8	L	M14x1.5	16	42	27	23	8	17	19	19	Steel
0401 4701 113	8	L	M14x1.5	16	42	27	23	8	17	19	19	1.4571

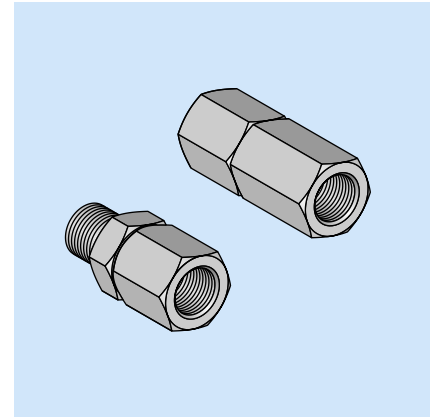
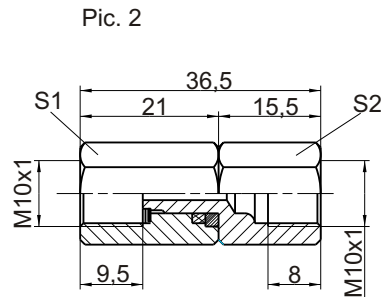
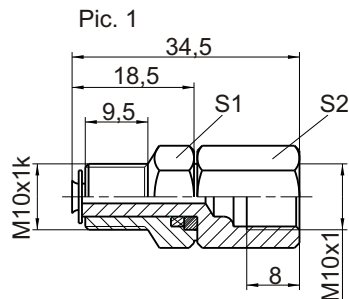
Angular Bulkhead Coupling

Part-No.	Pipe Dia. D	Construction sort	M	t max.	approx. L1	approx. L2	approx. L3 max.	L4	L5	S1	S2	S3	Material
0401 4721 006	6	L	M12x1.5	16	42	27	27	12	14	14	17	12	Steel
0401 4721 013	6	L	M12x1.5	16	42	27	27	12	14	14	17	12	1.4571
0401 4722 006	6	S	M14x1.5	16	44	29	31	16	17	17	19	12	Steel
0401 4721 106	8	L	M14x1.5	16	42	27	29	14	17	17	19	12	Steel

All Parts made of steel are zinc coated and yellow chromated.

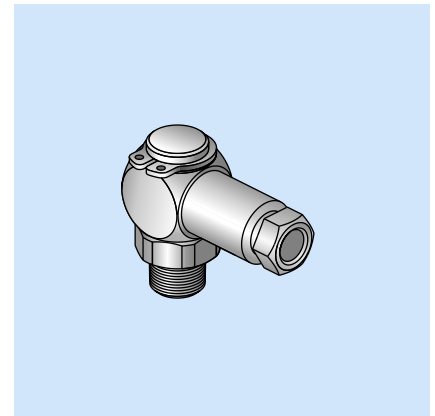
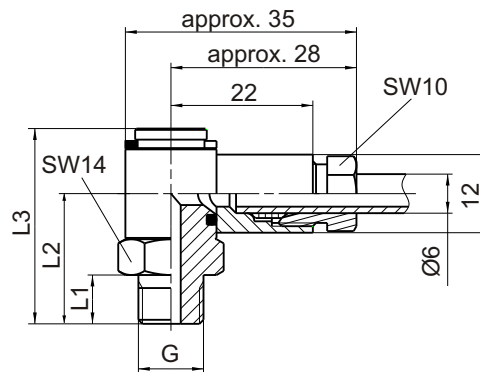
Subject to alterations!

Straight Rotary Couplings



Part-No.	Pic.	S1	S2	Material
0402 020	1	14	14	Brass
0402 042	2	14	14	Brass

Hinges

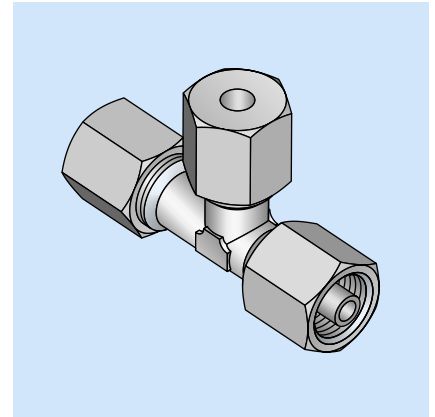
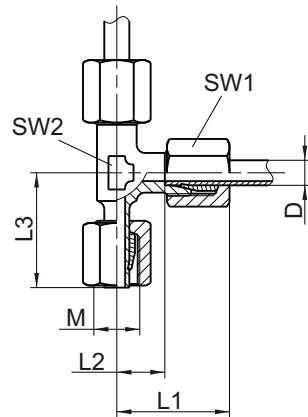


Part-No.	G	L1	L2	L3	Material
0402 011	M6k	7,5	20	30	Brass
0402 012	M8x1k	7,5	20	30	Brass
0402 013	M10x1k	7,5	20	30	Brass
0402 023	R1/8"k	7,5	20	30	Brass
0402 043	R1/4"k	9	21,5	31,5	Brass
0402 041	1/8-27 NPT	7,5	20	30	Brass

Subject to alterations!



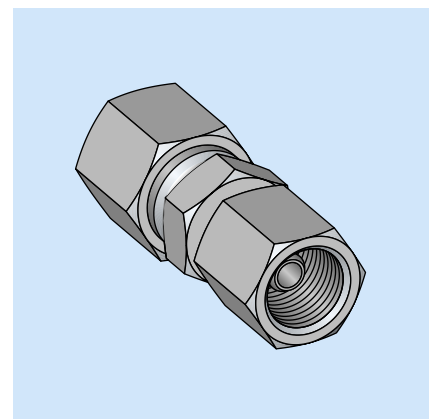
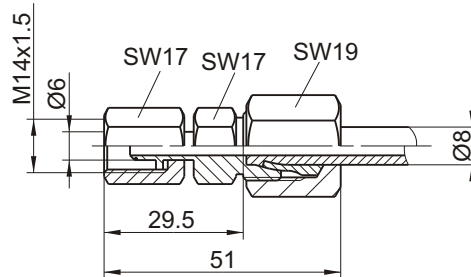
Adjustable L-Couplings



Part-No.	Construction Sort	D	M	approx.			SW1	SW2	Material
04015821006	L	6	M12x1.5	L1	L2	L3	14	12	Steel
04015822006	S	6	M14x1.5	31	16	27	17	12	Steel
04015821106	L	8	M14x1.5	29	14	27.5	17	12	Steel
04015822106	S	8	M16x1.5	32	17	27.5	19	14	Steel

All Parts made of steel are zinc coated and yellow chromated.

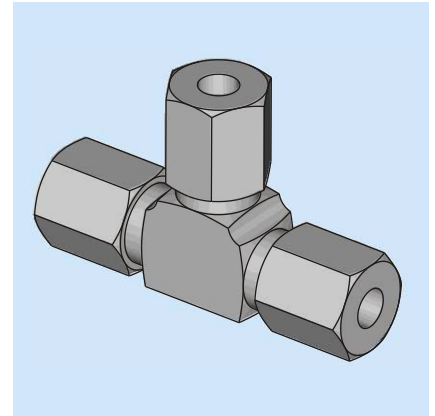
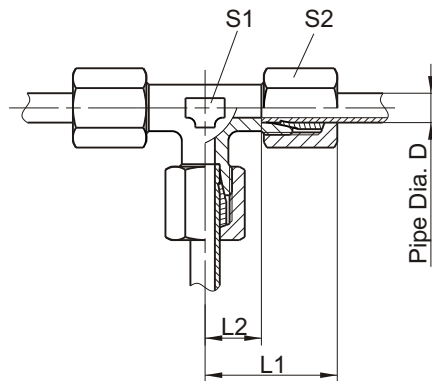
Reduction Screw



Part-No.	Construction sort	Material
04060957	S	Steel, zinc coated, yellow chromate

Subject to alterations!

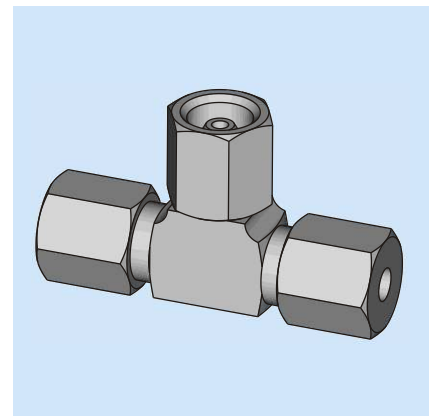
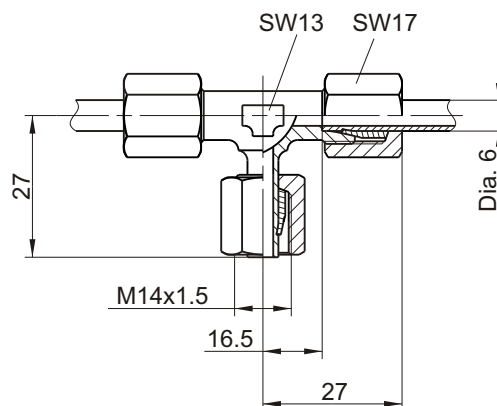
T - Couplings



Part-No.	Pipe Dia. D	Construction sort	approx.		S1	S2	Material
			L1	L2			
0401 3640 306	6	LL	21	9.5	11	12	Steel
0401 3641 006	6	L	27	12	12	14	Steel
0401 3642 006	6	S	31	16	14	17	Steel
0401 3640 406	8	LL	23	11.5	12	14	Steel
0401 3641 106	8	L	29	14	14	17	Steel

All Parts made of steel are zinc coated and yellow chromated.

Adjustable T-Couplings

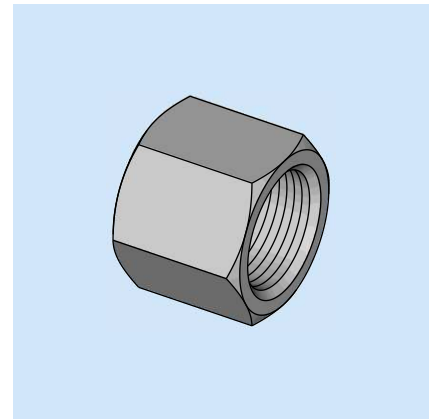
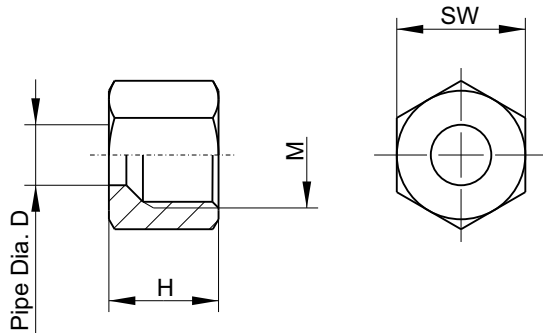


Subject to alterations!

Part-No.	Construction Sort	Material
04015722006	S	Steel, zinc coated, yellow chromate



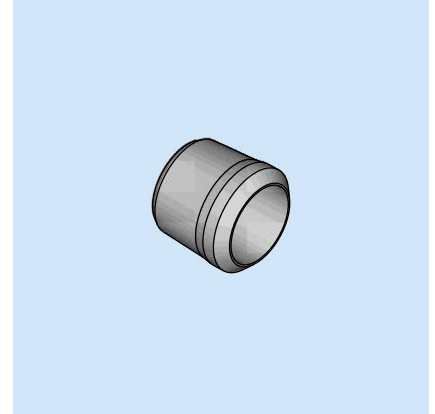
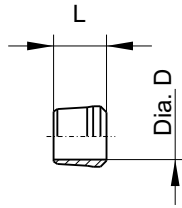
Cap Nuts



Part-No.	Construction sort	Pipe Dia. D	M	H	SW	Material
0403 15001 06	LL	4	M8x1	11	10	Steel
0403 15003 06	LL	6	M10x1	11.5	12	Steel
0403 15010 06	L	6	M12x1.5	14.5	14	Steel
0403 15010 13	L	6	M12x1.5	14.5	14	1.4571
0403 15020 06	S	6	M14x1.5	16.5	17	Steel
0403 15004 06	LL	8	M12x1	12	14	Steel
0403 15011 06	L	8	M14x1.5	14.5	17	Steel
0403 15011 13	L	8	M14x1.5	14.5	17	1.4571
0403 15021 06	S	8	M16x1.5	16.5	19	Steel

All Parts made of Steel are Zinc coated and yellow chromated.

Cutting Olive

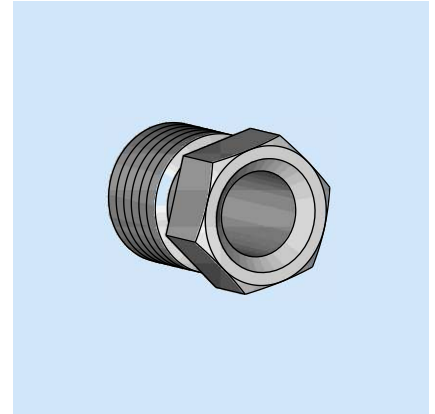
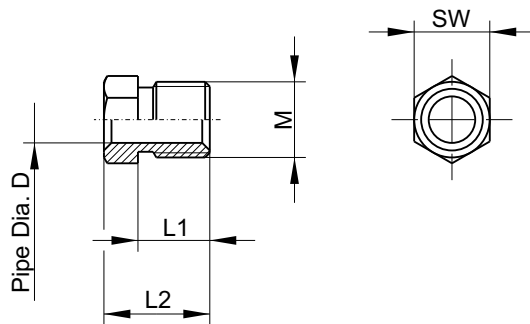


Part-No.	for Pipe Dia. D	Construction Sort	L	Material
0403 15201 05	4	LL	6	Steel Zinc coated
0403 15203 05	6	LL	7	Steel Zinc coated
09 03861 06 03211	6	L / S	9.5	Steel Zinc coated
0403 15210 13	6	L / S	9.5	1.4571
0403 15204 05	8	LL	7	Steel Zinc coated
09 03861 08 03211	8	L / S	9.5	Steel Zinc coated
0403 15211 13	8	L / S	9.5	1.4571

Subject to alterations!



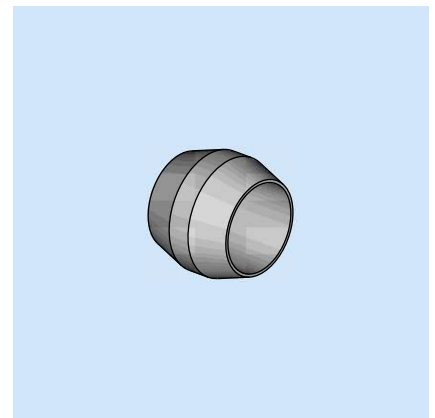
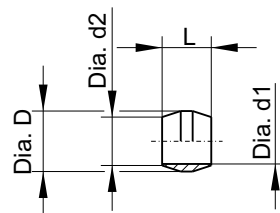
Cap Screw



Part-No.	Pipe Dia. D	M	L1	L2	SW	Material
0802 000 311	4	M10x1	8.5	12	10	Steel
0802 000 312	4	M10x1	8.5	12	10	High-grade Steel
0802 000 190	6	M10x1	9.5	14	10	Steel
F0060/19-08	6	M10x1	9.5	14	10	High-grade Steel

All Parts made of Steel are Zinc coated and yellow chromated.

Double Cone Olive

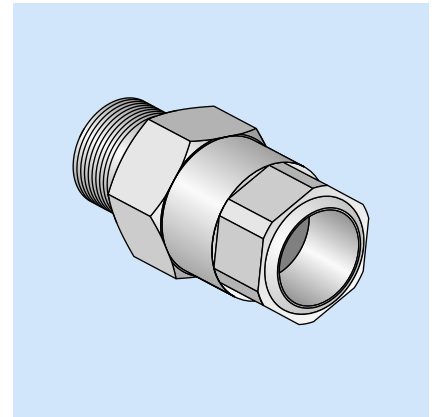
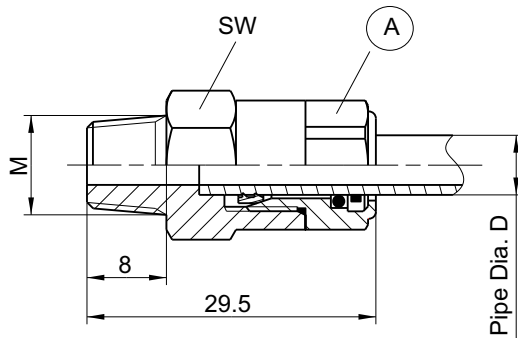


Part-No.	for Pipe Dia.	Dia. D	L	Dia. d1	Dia. d2	Material
09 03862 0011	4	6	5.5	4	4,3	Steel
09 03862 0013	4	6	5.5	4	4.3	Brass
09 03862 0015	4	6	5.5	4	4.3	High-grade Steel
09 03862 0021	6	8	6.5	6	6.4	Steel
09 03862 0023	6	8	6.5	6	6.4	Brass
09 03862 0026	6	8	6.5	6	6.4	High-grade Steel
09 03862 0031	8	10	6.5	8	8.5	Steel
09 03862 0033	8	10	6.5	8	8.5	Brass

Subject to alterations!

Straight Plug-in Couplings

Type BEKA



(A)

Plug-in connection
for Pipe Dia. 4
SW 12
Order-No.: 0406 0851

(A)

Plug-in connection
for Pipe Dia. 6
SW 12
Order-No.: 0406 0850

Part-No.	M	Pipe Dia. D	SW	Material
0406 0874	M6k	4	11	Steel
0406 0873	M8x1k	4	11	Steel
0406 0872	M10x1k	4	11	Steel
0406 0875	R1/8"k	4	11	Steel
0406 0878	M6k	6	13	Steel
0406 0877	M8x1k	6	13	Steel
0406 0876	M10x1k	6	13	Steel
0406 0879	R1/8"k	6	13	Steel

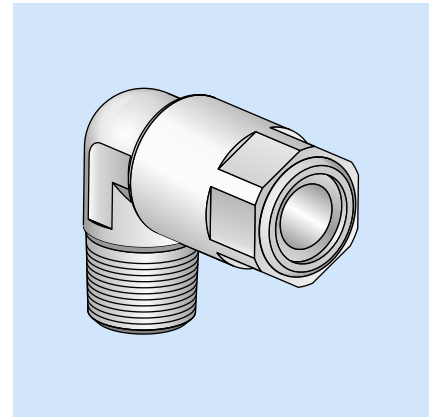
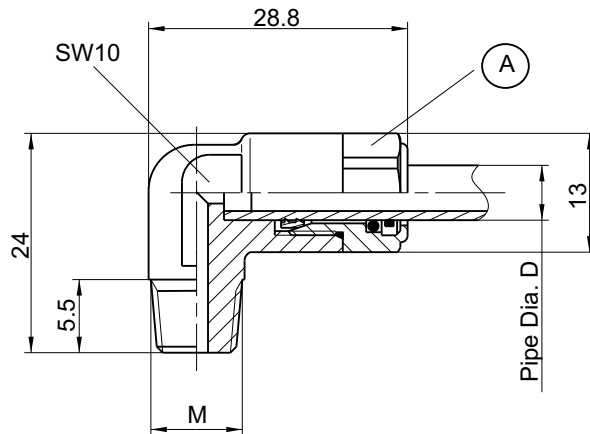
All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!



Angular Plug-in Couplings

Type BEKA



(A)

Plug-in connection
for Pipe Dia. 4
SW 12
Order-No.: 0406 0851

(A)

Plug-in connection
for Pipe Dia. 6
SW 12
Order-No.: 0406 0850

Part-No.	M	Pipe Dia. D	Material
0406 0866	M6k	4	Brass
0406 0865	M8x1k	4	Brass
0406 0864	M10x1k	4	Brass
0406 0867	R1/8"k	4	Brass
0406 0870	M6k	6	Brass
0406 0869	M8x1k	6	Brass
0406 0868	M10x1k	6	Brass
0406 0871	R1/8"k	6	Brass

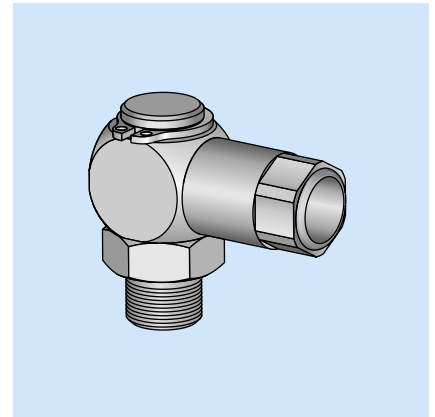
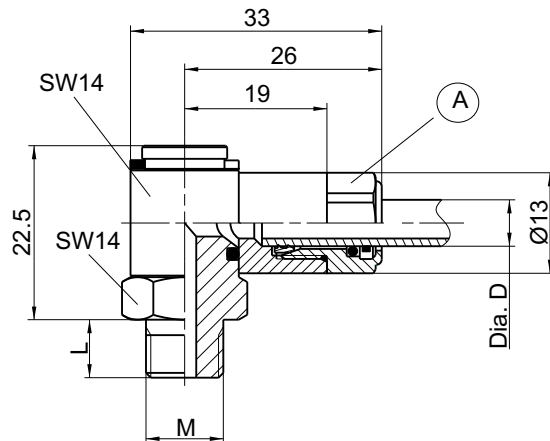
Subject to alterations!



Hinge

with plug-in connection

Type BEKA



(A)

Plug-in connection
for Pipe Dia. 4
SW 12
Order-No.: 0406 0851

(A)

Plug-in connection
for Pipe Dia. 6
SW 12
Order-No.: 0406 0850

Part-No.	M	L	Dia. D	Material
0402 050	M6k	7.5	4	Brass
0402 051	M8x1k	7.5	4	Brass
0402 052	M10x1k	7.5	4	Brass
0402 054	R1/8"k	7.5	4	Brass
0402 053	R1/4"k	9	4	Brass
0402 036	M6k	7.5	6	Brass
0402 037	M8x1k	7.5	6	Brass
0402 038	M10x1k	7.5	6	Brass
0402 040	R1/8"k	7.5	6	Brass
0402 039	R1/4"k	9	6	Brass
0402 045	1/8-27 NPT	7.5	6	Brass

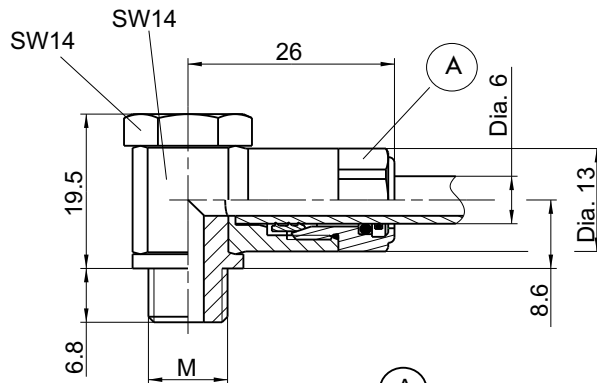
Subject to alterations!



Banjo Assembly

with Plug-in Connection

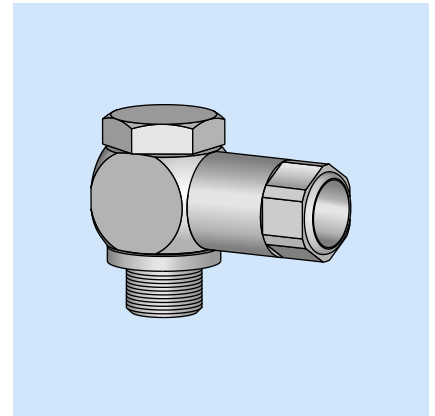
Type BEKA



A

Plug-in Connection
for Pipe Dia. 6
SW 12

Order-No.: 0406 0850



Part-No.	M	Material
0401950029-00	G1/8"	Steel, zinc coated,
0401950029-01	M10x1	yellow chromate

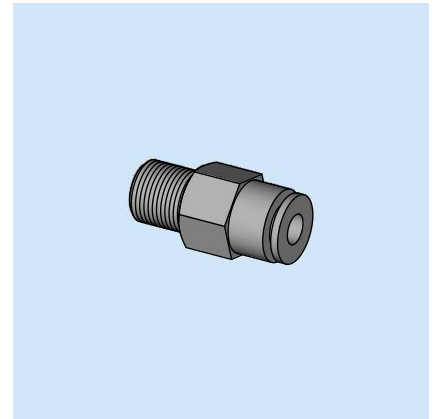
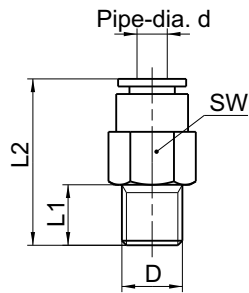
Subject to alterations!



Straight plug-in couplings

Type HP

soluble without tool



Part-No.	Pipe-dia. d	D	L1	L2	SW
04062321	4	M8x1k	8	22	10
04062323	4	M10x1k	8	21	11
04062325	4	M6k	8	25	10
04062347	4	R1/8"k	7.5	21	10
04062322	6	M8x1k	8	28	12
04062324	6	M10x1k	8	24	12
04062326	6	M6k	8	28	12
04062348	6	R1/8"k	7.5	24	12
04062349	6	R1/4"k	11	26	14

Material: Brass, nickel-plated; Pressure range: max. 150 bar; Temperature range: -20°C to +70°C

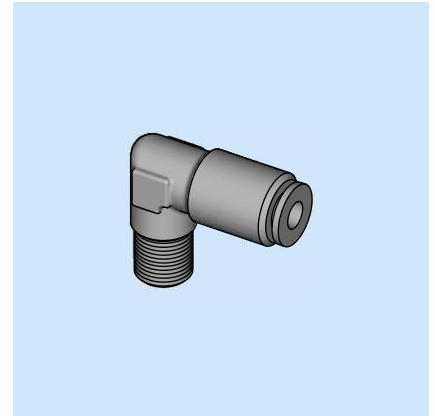
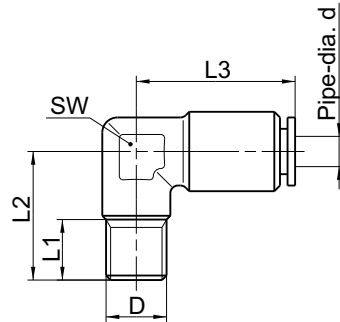
Subject to alterations!



Angular plug-in coupling

Type HP

soluble without tool



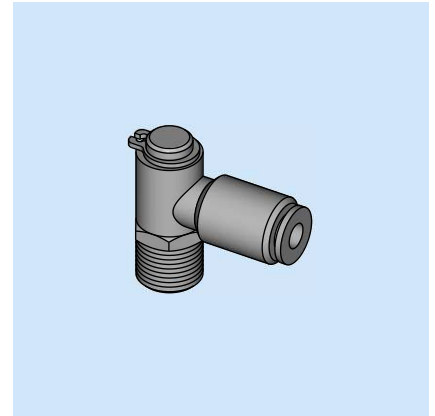
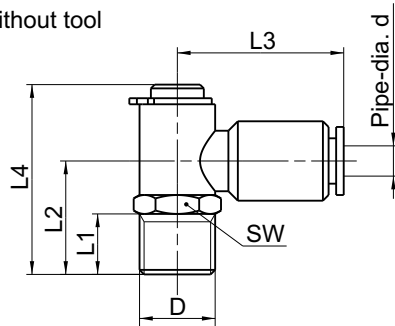
Part-No.	Pipe-dia. d	D	L1	L2	L3	SW
04062327	4	R1/8"k	7.5	17	21	10
04062329	4	M6k	6	17	21	10
04062331	4	M8x1k	8	17	21	10
04062333	4	M10x1k	8	17	21	10
04062328	6	R1/8"k	7.5	20	22	14
04062330	6	M6k	6	20	22	14
04062332	6	M8x1k	8	20	22	14
04062362	6	M8x1.25k	8	20	22	14
04062334	6	M10x1k	8	20	22	14

Material: Brass, nickel-plated; Pressure range: max. 150 bar;
Temperature range: -20°C to +70°C

Hinge plug-in coupling

Type HP

soluble without tool



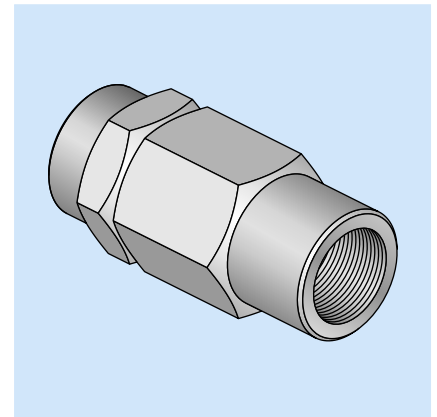
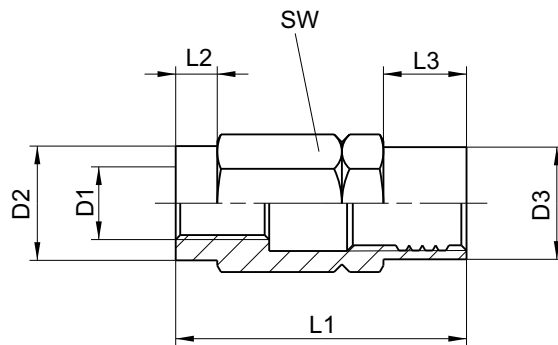
Part-No.	Pipe-dia. d	D	L1	L2	L3	L4	SW
04062335	4	R1/8"k	7.5	14.5	22	24.5	11
04062338	4	M6k	8	15	22	24	11
04062340	4	M8x1k	8	15	22	24	11
04062342	4	M10x1k	8	15	22	25	11
04062336	6	R1/8"k	7.5	14.5	24	24.5	11
04062339	6	M6k	8	15	24	24	11
04062341	6	M8x1k	8	15	24	24	11
04062363	6	M8x1.25k	8	15	24	24	11
04062343	6	M10x1k	8	15	24	25	11
04062337	6	R1/4"k	11	20.5	24	28	14

Material: Brass, nickel-plated; Pressure range: max. 150 bar; Temperature range: -20°C to +70°C

Subject to alterations!



Threaded ferrule

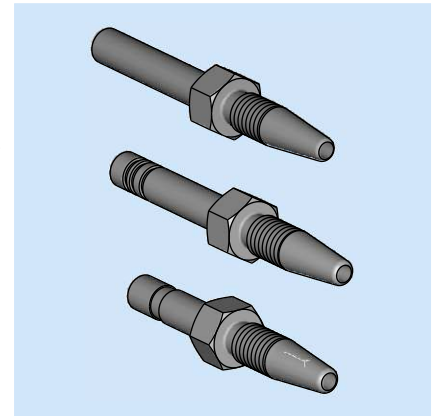
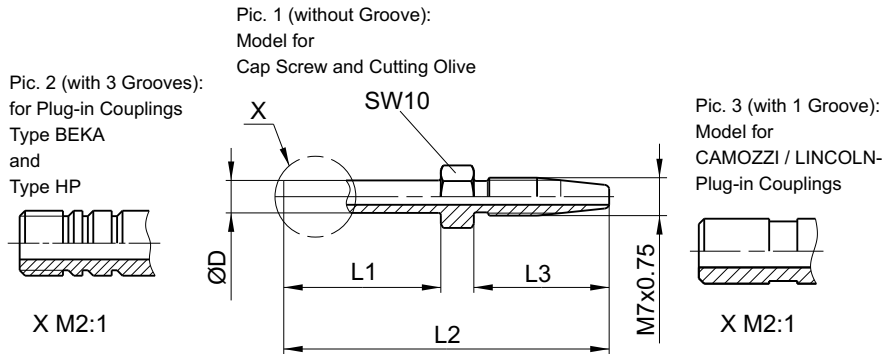


Part-No.	D1	D2	D3	L1	L2	L3	SW	for HP-Hose	Material
1001 21 200	M7x0.75	11	10.8	28	4	8	12	8.6x4	Steel
1001 21 197	M7x0.75	10	11	28	2	8	12	8.6x4	1.4305
1001 21 305	M9x1	14	16	35.8	4	9	17	11.2x6,5	Steel
1001 21 347	M9x1	14	16	35.8	4	9	17	11.2x6,5	1.4305

All parts made of steel are zinc coated and yellow chromated.

Insert for Ferrule, straight,

to Mounting a High Pressure Hose Dia. 8.6 x 4



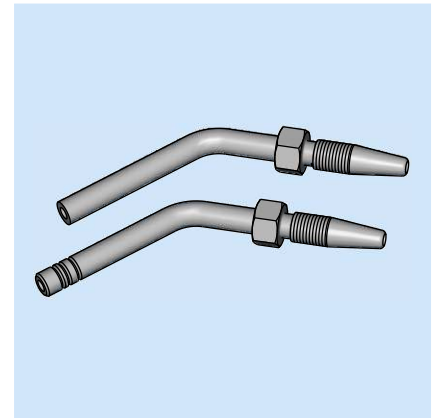
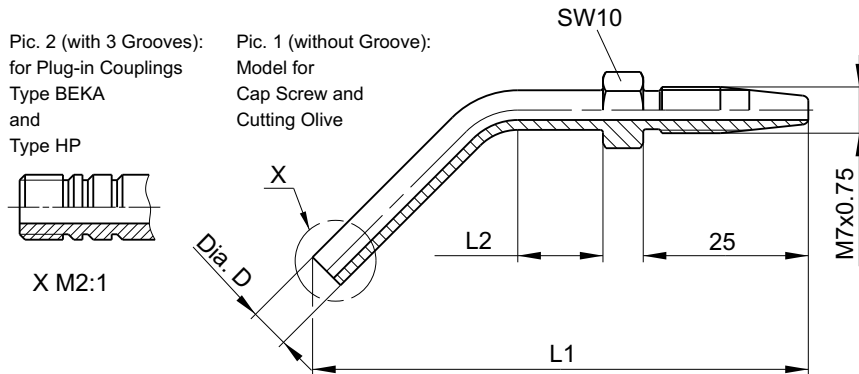
Part-No.	Dia. D	L1	L2	L3	at Pic.	Material
1001 21 218	5	30	64	28	1	Steel
1001 21 189	6	18	49.1	25	1	Steel
1001 21 380	6	18	49.1	25	1	1.4305
1001 21 190	6	24	55.1	25	1	Steel
1001 21 201	6	30	61.1	25	1	Steel
1001 21 196	6	30	61.1	25	1	1.4305
1001 21 198	6	30	61.1	25	1	1.4571
1001 21 171	8	22	53	25	1	Steel
1001 21 172	8	22	53	25	1	1.4305
1001 21 173	8	30	61	25	1	Steel
1001 21 174	8	30	61	25	1	1.4305
1001 21 219	10	30	64	28	1	Steel
1001 21 220	10	30	64	28	1	1.4305
1001 21 382	6	18	49.1	25	2	Steel
1001 21 191	6	30	61.1	25	2	Steel
1001 21 210	6	21	52.1	25	3	Steel

All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!

Insert for Ferrule, 45° bent

to Mounting a High Pressure Hose Dia. 8.6 x 4



Part-No.	Dia. D	L1	L2	at Pic.	Material
1001 21 227	6	68.3	12.9	1	Steel
1001 21 206	6	79.1	12.9	1	Steel
1001 21 187	6	79.1	12.9	1	1.4305
1001 21 215	6	93.2	12.9	1	Steel
1001 21 175	8	68.5	13	1	Steel
1001 21 176	8	68.5	13	1	1.4305
1001 21 177	8	76.5	13	1	Steel
1001 21 178	8	76.5	13	1	1.4305
1001 21 383	6	79.1	12.9	2	Steel

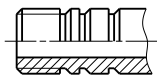
All Parts made of steel are zinc coated and yellow chromated.



Insert for Ferrule, 90° bent

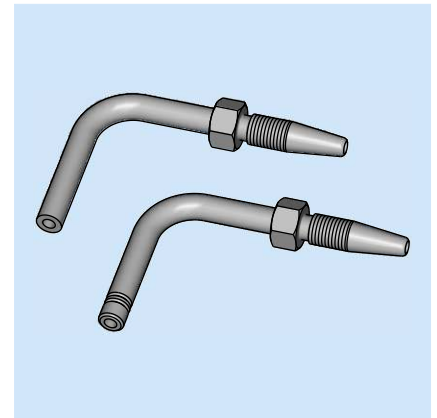
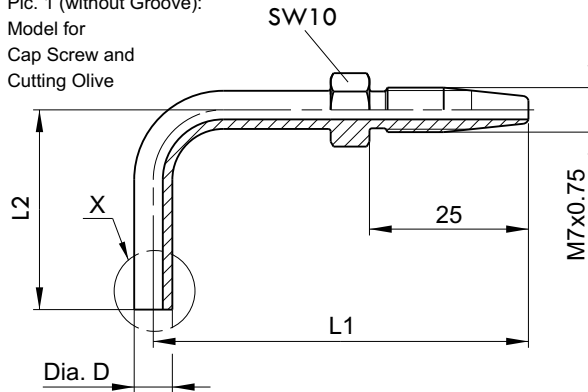
to Mounting a High Pressure Hose Dia. 8.6 x 4

Pic. 2 (with 2 Grooves):
for Plug-in Couplings
Type BEKA
and
Type HP



X M2:1

Pic. 1 (without Groove):
Model for
Cap Screw and
Cutting Olive



Part-No.	Dia. D	L1	L2	at Pic.	Material
1001 21 208	6	45.1	20.7	1	Steel
1001 21 378	6	45.1	20.7	1	1.4305
1001 21 209	6	45.1	32.7	1	Steel
1001 21 379	6	45.1	32.7	1	1.4305
1001 21 202	6	59	38	1	Steel
1001 21 376	6	59	38	1	1.4305
1001 21 203	6	59	50	1	Steel
1001 21 377	6	59	50	1	1.4305
1001 21 179	8	55	30	1	Steel
1001 21 180	8	55	30	1	1.4305
1001 21 181	8	55	50	1	Steel
1001 21 182	8	55	50	1	1.4305
1001 21 385	6	45.1	32.7	2	Steel
1001 21 386	6	59	38	2	Steel
1001 21 387	6	59	50	2	Steel

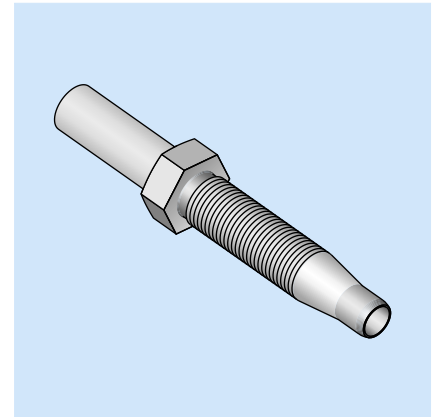
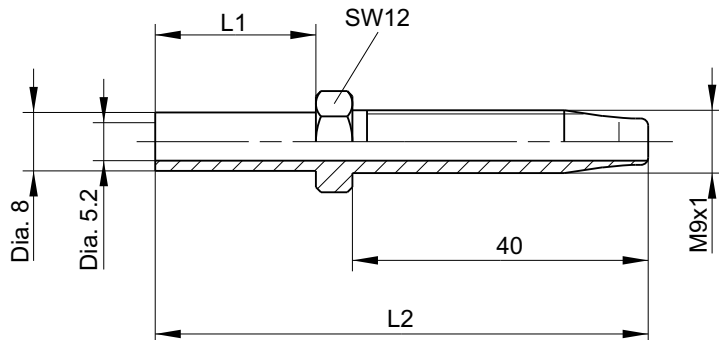
All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!



Insert for Ferrule, straight

for Couplings with Cap Screw and Cutting Olive to Mounting a High Pressure Hose Dia. 11.2 x 6.5

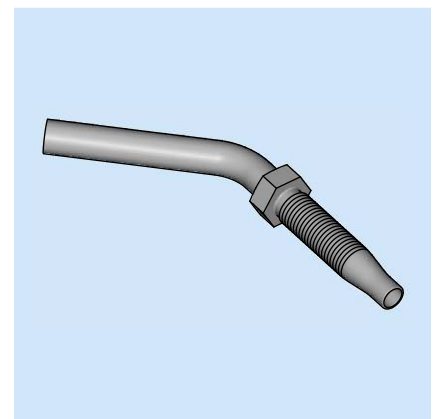
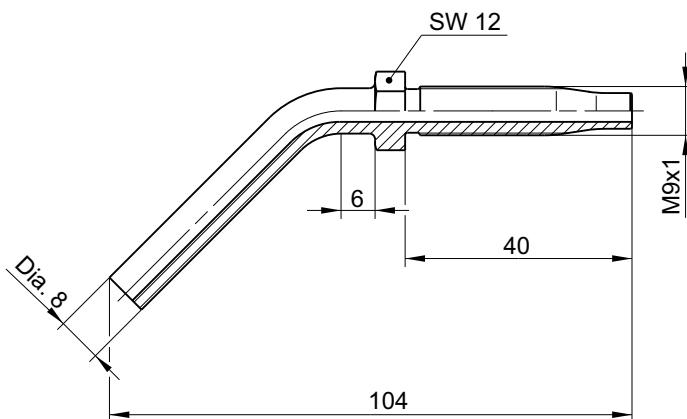


Part-No.	L1	L2	Material
1001 21 301	22	67.3	Steel
1001 21 348	22	67.3	1.4305
1001 21 161	42	87.3	Steel
1001 21 162	42	87.3	1.4305

All Parts made of steel are zinc coated and yellow chromated.

Insert for Ferrule, 45° bent

for Couplings with Cap Screw and Cutting Olive to Mounting a High Pressure Hose Dia. 11.2 x 6.5



Part-No.	Material
1001 21 163	Steel
1001 21 164	1.4305

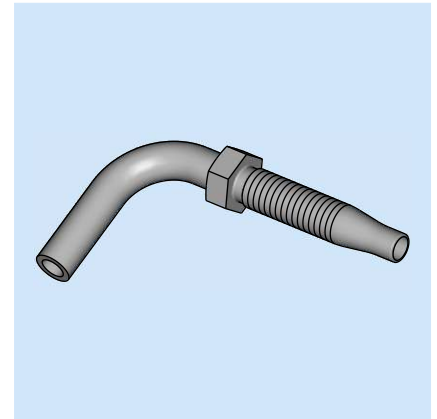
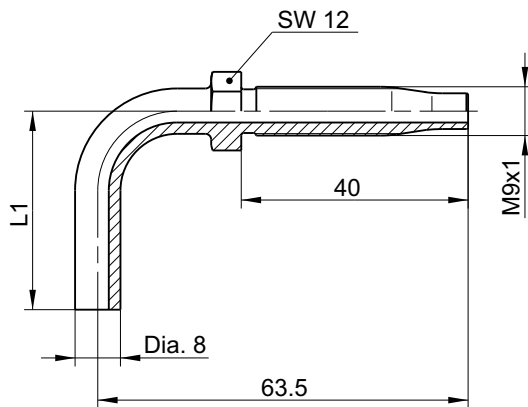
Subject to alterations!

All Parts made of steel are zinc coated and yellow chromated.



Insert for Ferrule, 90° bent

for Couplings with Cap Screw and Cutting Olive to Mounting a High Pressure Hose Dia. 11.2 x 6.5

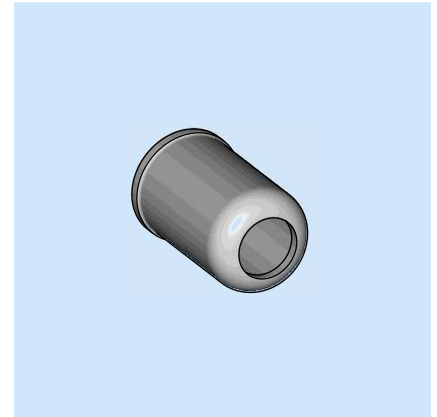
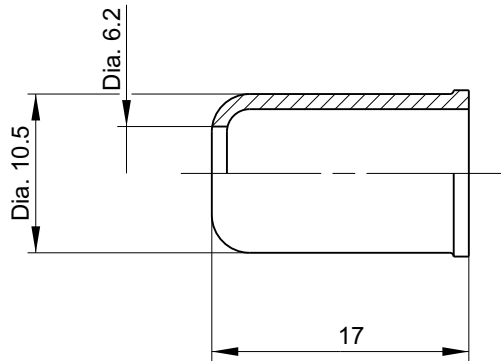


Part-No.	L1	Material
1001 21 165	35	Steel
1001 21 166	35	1.4305
1001 21 167	55	Steel
1001 21 168	55	1.4305
1001 21 169	75	Steel
1001 21 170	75	1.4305

All Parts made of steel are zinc coated and yellow chromated.

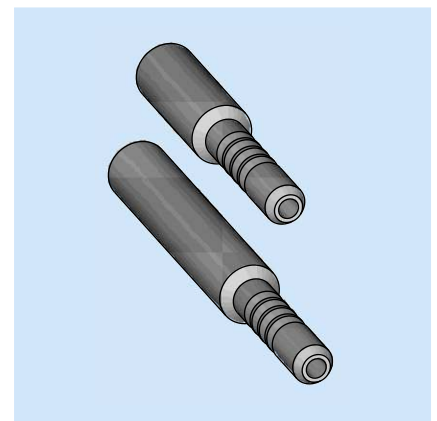
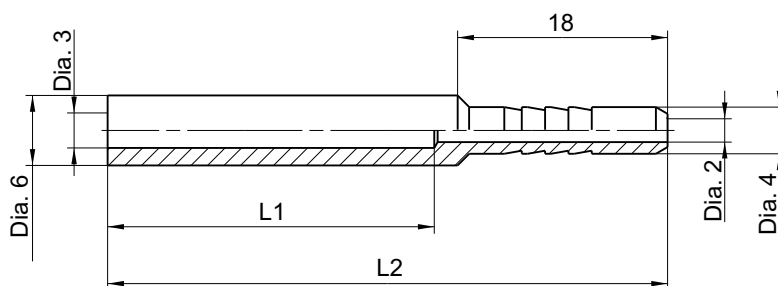


Ferrule DN4



Part-No.	Material
100121204	Steel zinc coated, yellow chromated

Insert for Ferrule DN 4



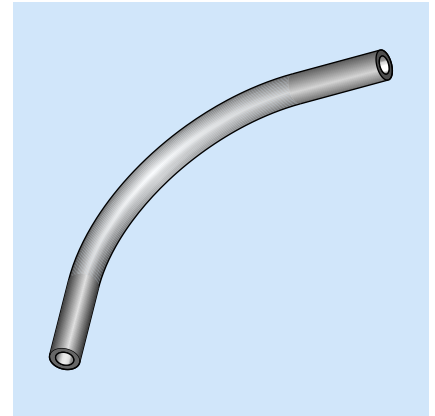
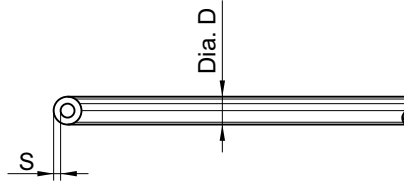
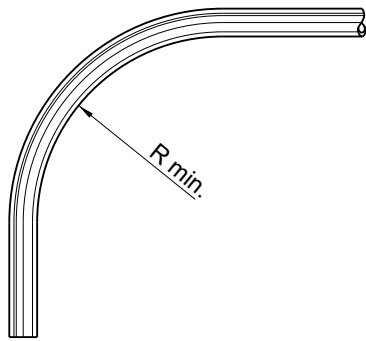
Part-No.	L1	L2	Material
FWZ02392-00	28	48	Steel
FWZ02392-01	13	33	Steel

Subject to alterations!

All Parts made of steel are zinc coated and yellow chromated.

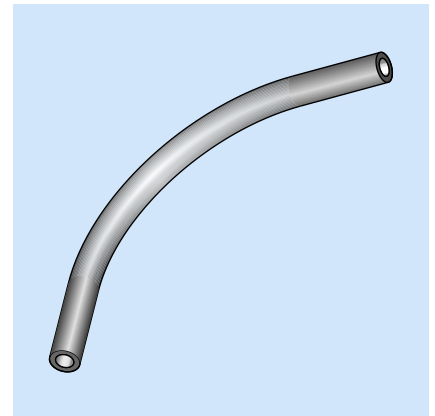
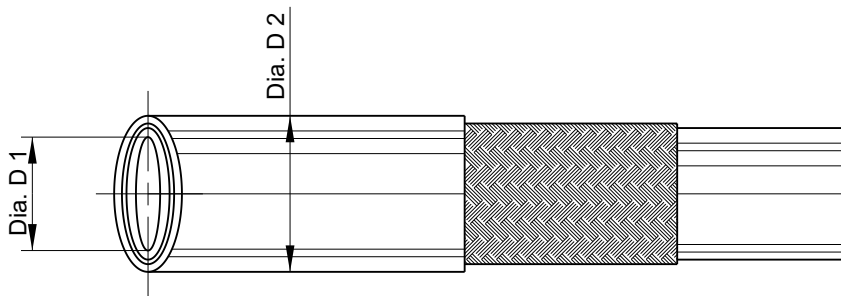


Polyamide tube



Part-No.	Dia. D	S	min. bending radius R	Type	Viscous oil filled	Material
1001 20 075	4	0.85	40	hard	with	Polyamide
1001 20 040	4	0.85	40	soft	with	Polyamide
1001 20 039	4	0.85	40	hard	without	Polyamide
1001 20 041	4	0.85	40	soft	without	Polyamide
1001 20 100	6	1.5	40	hard	with	Polyamide
1001 20 101	6	1.5	40	hard	without	Polyamide

High Pressure Hose



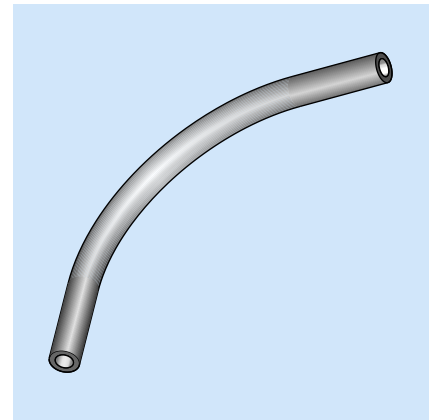
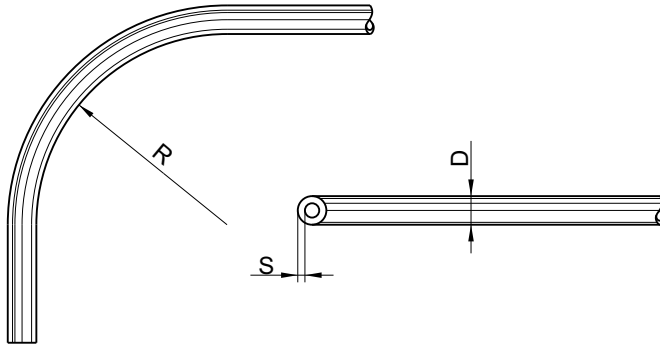
Part-No.	Dia. D 1	Dia. D 2	Type	Grease filled	Material
1001 20 200	4	8.6	straight	with	Plastic / Synthetic Net
1001 20 205	4	8.6	spiral	with	Plastic / Synthetic Net
1001 20 201	4	8.6	straight	without	Plastic / Synthetic Net
1001 20 206	4	8.6	spiral	without	Plastic / Synthetic Net
1001 20 265	6.5	11.2	straight	with	Plastic / Synthetic Net
1001 20 266	6.5	11.2	straight	without	Plastic / Synthetic Net

Subject to alterations!



Steel Pipe

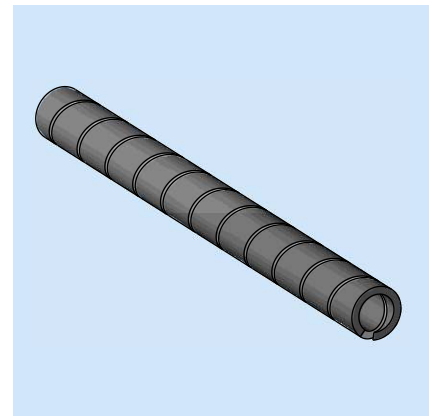
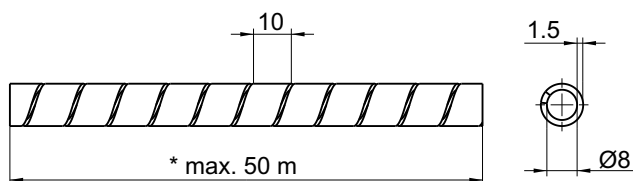
DIN 2391, St35



Part-No.	D	S	min. bending radius R	Material
0612 020 002	4	0.7	5	Steel zinc coated
0612 020 001	6	1	11	Steel zinc coated
0612 020 017	8	1	15	Steel zinc coated

Spiral Protection

* =Indicate Length at order!

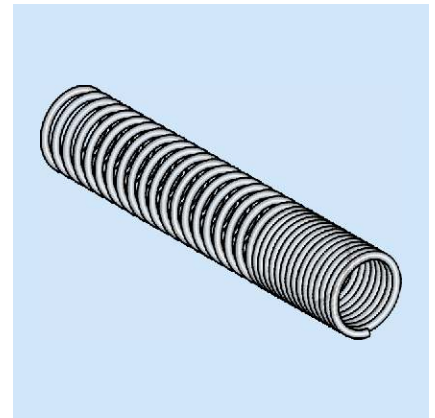
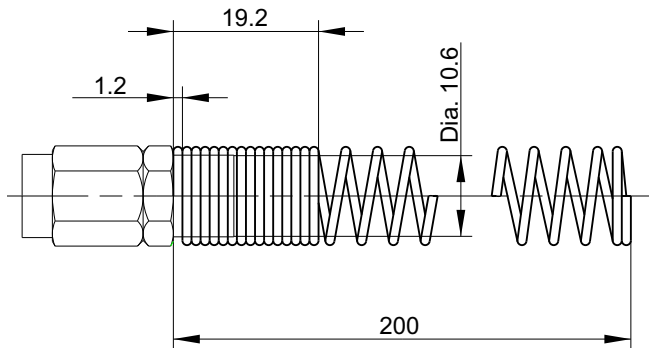


Part-No.	Material
100121005	Polyethylene Color black

Subject to alterations!

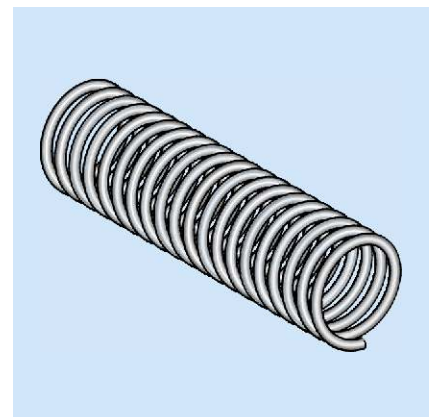
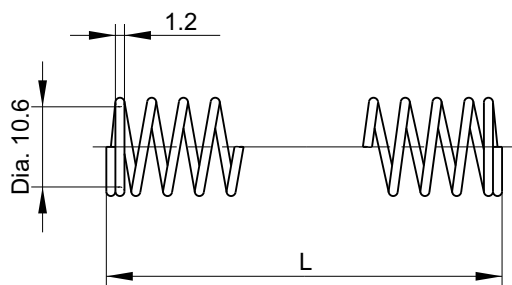


Bent Protection Spiral



Part-No.	Material
100121002	Steel zinc coated yellow chromate

Bent Protection Spiral

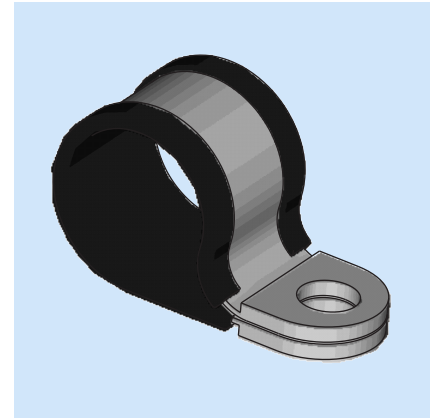
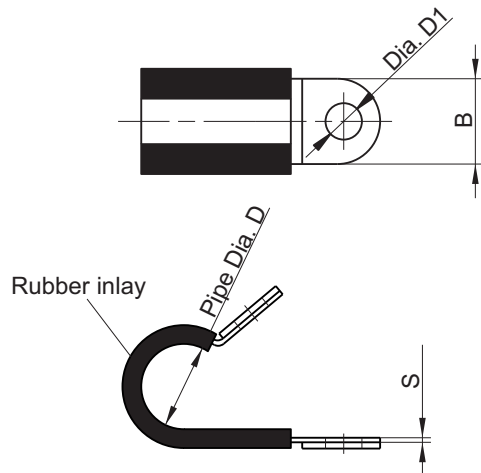


Part-No.	L (mm)	Material
1001 21 004	5000	1.4310
1001 21 040	2000	1.4310
1001 21 041	1300	1.4310
1001 21 042	750	1.4310

Subject to alterations!



Rubber lined Pipe Clamp



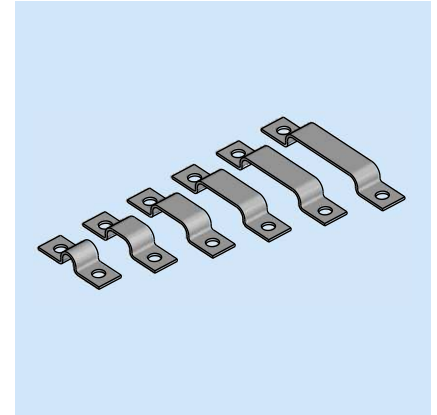
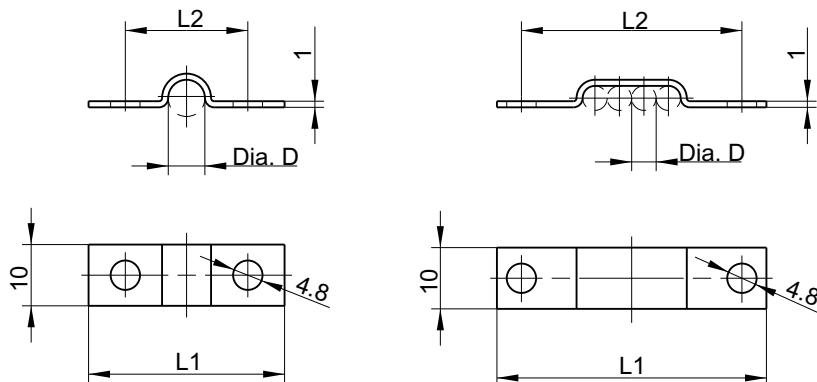
Part-No.	B	Pipe Dia. D	S	Dia. D1	Material
1001 500 10	12	6	0.5	5.3	Steel
1001 500 20	12	9	0.5	5.3	Steel
1001 500 30	12	12	0.5	5.3	Steel
1001 500 40	12	15	0.5	5.3	Steel
1001 500 60	12	17	0.5	5.3	Steel
1001 500 65	12	18	0.5	5.3	Steel
1001 500 50	12	20	0.5	5.3	Steel
1003 050 019	15	6	0.6	6.4	Steel
1003 050 006	15	9	0.6	6.4	Steel
1003 050 022	15	10	0.6	6.4	Steel
1003 050 012	15	12	0.6	6.4	Steel
1003 050 023	15	15	0.8	6.4	Steel
1003 050 003	15	17	0.8	6.4	Steel
1003 050 013	15	18	0.8	6.4	Steel
1003 050 032	15	19	0.8	6.4	Steel
1003 050 004	15	20	0.8	6.4	Steel
1003 050 014	15	22	0.8	6.4	Steel
1003 050 016	15	25	0.8	6.4	Steel

All Parts made of Steel are Zinc coated.

Subject to alterations!

Pipe Clamps

Duplex-fastening, at DIN 72573



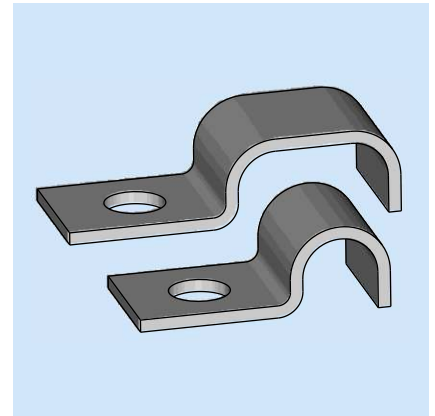
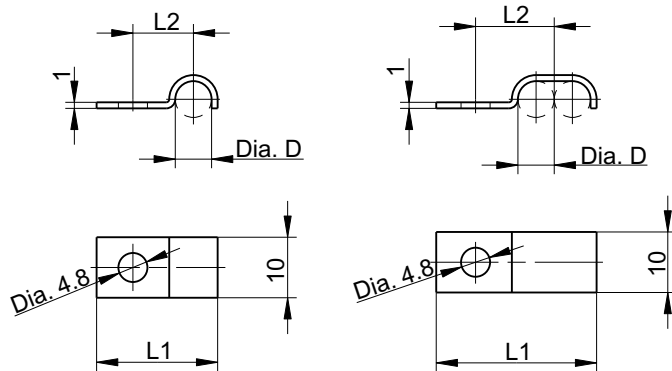
Part-No.	Dia. D	Number of pipes	L1	L2	Material
097 257 300 411	4	1	29	17	Steel
097 257 300 412	4	2	33	21	Steel
097 257 300 413	4	3	39	27	Steel
097 257 300 414	4	4	44	32	Steel
097 257 300 415	4	5	48	36	Steel
097 257 300 416	4	6	52	40	Steel
097 257 300 111	6	1	32	20	Steel
097 257 300 112	6	2	38	26	Steel
097 257 300 113	6	3	45	33	Steel
097 257 300 114	6	4	51	39	Steel
097 257 300 115	6	5	57	45	Steel
097 257 300 116	6	6	64	52	Steel
097 257 300 211	8	1	34	22	Steel
097 257 300 212	8	2	42	30	Steel
097 257 300 213	8	3	51	39	Steel
097 257 300 214	8	4	59	47	Steel
097 257 300 215	8	5	68	56	Steel
097 257 300 216	8	6	76	64	Steel
097 257 300 511	10	1	34	22	Steel
097 257 300 512	10	2	44	32	Steel
097 257 300 513	10	3	55	43	Steel
097 257 300 514	10	4	67	55	Steel
097 257 300 515	10	5	77	65	Steel
097 257 300 516	10	6	90	78	Steel

Subject to alterations!

All Parts made of Steel are Zinc coated.

Pipe Clamps

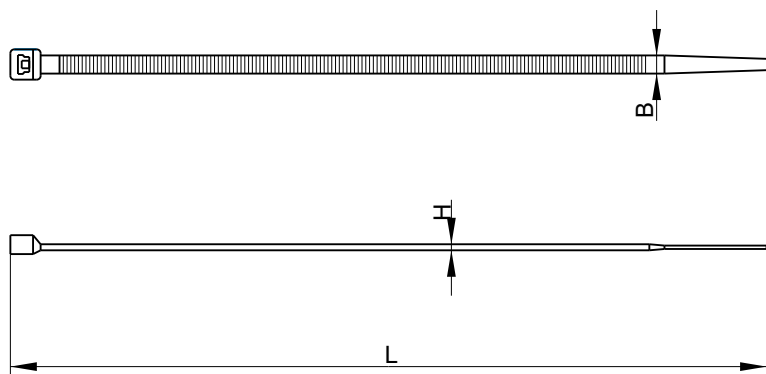
One-side-fastening, at DIN 72571



Part-No.	Dia. D	Number of pipes	L1	L2	Material
097 257 100 111	4	1	18	9	Steel
097 257 100 211	6	1	20	10	Steel
097 257 100 311	8	1	22	11	Steel
097 257 100 411	10	1	23	11	Steel
097 257 100 112	4	2	22.5	11	Steel
097 257 100 212	6	2	26.5	13	Steel
097 257 100 312	8	2	30.5	15	Steel
097 257 100 412	10	2	33.5	16	Steel

All Parts of steel are Zinc coated.

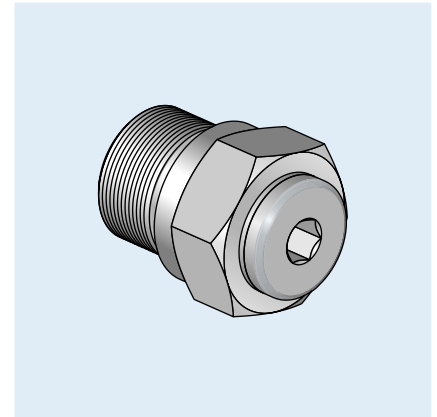
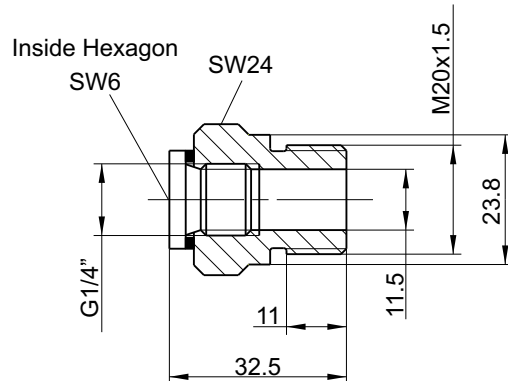
Nylon Tie Strap



Part-No.	L	B	H	Material
100 121 517	200	4.8	1.6	Plastic
100 121 012	200	3.6	1	Plastic
100 121 520	360	4.8	1.6	Plastic
100 121 518	365	7.8	1.8	Plastic
100 121 016	450	7.8	1.8	Plastic

Subject to alterations!

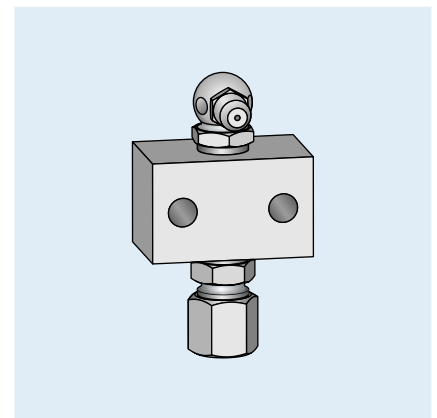
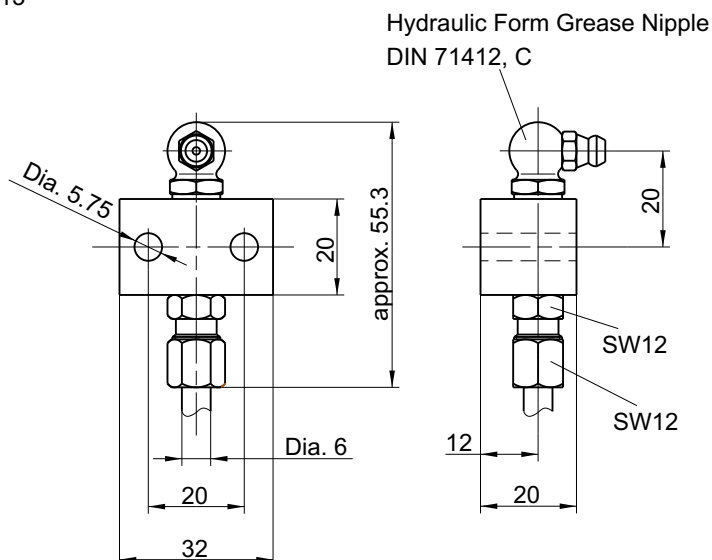
Nipple Modification Kit



Part-No.	Material
21590010020	Steel zinc coated yellow chromate

Nipple Block One-Outlet

at AZ-1713



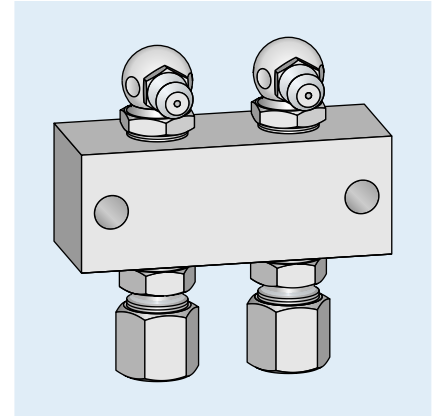
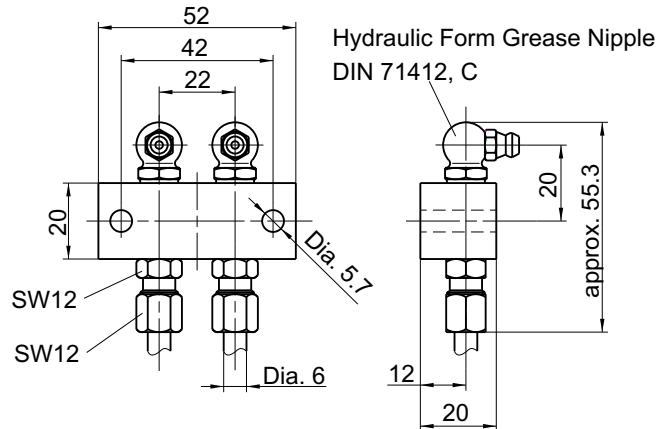
Part-No.	Material
21590020014	Steel zinc coated yellow chromate

Subject to alterations!



Nipple Block Two-Outlets

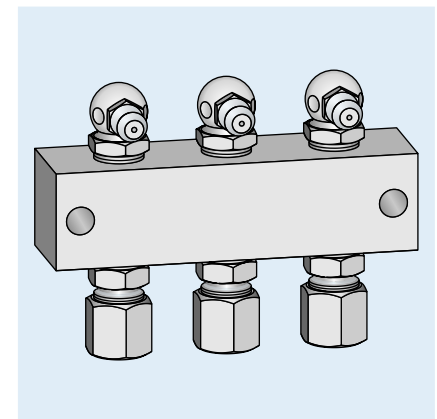
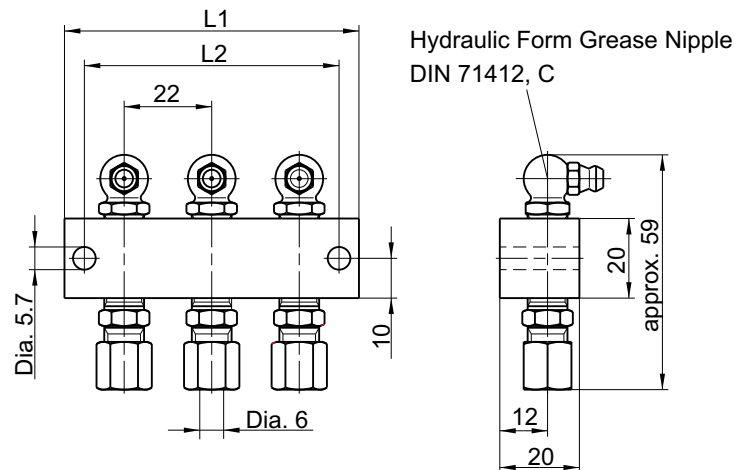
at AZ-1714



Part-No	Material
21590020024	Steel zinc coated yellow chromate

Nipple Block Three up to Eight-Outlets

Pic.: Nipple Block Three-Outlets



Part-No.	Number of connections	L1	L2	Material
2159 0020 025	3	74	64	Steel
2159 0020 026	4	96	86	Steel
2159 0020 027	5	118	108	Steel
2159 0020 028	6	140	130	Steel
2159 0020 029	8	184	174	Steel

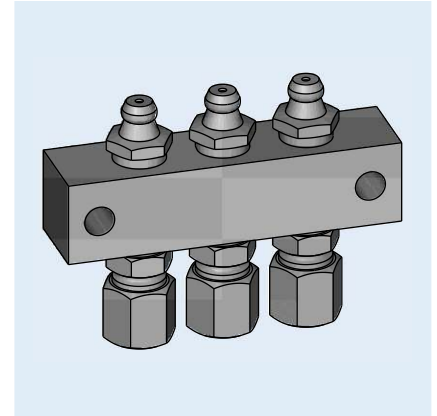
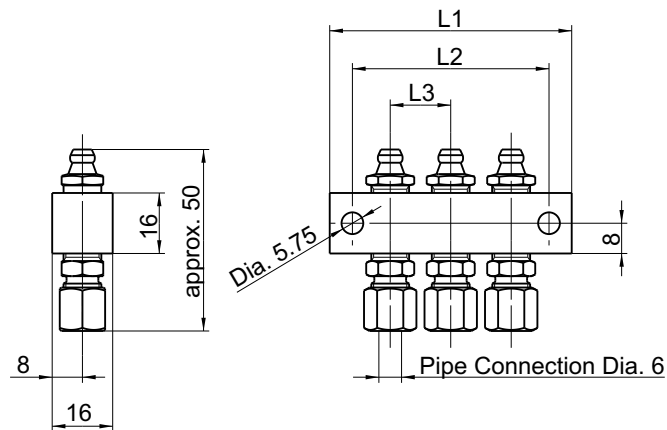
Subject to alterations!

All Parts made of steel are zinc coated and yellow chromated.



Nipple Block One- up to Aight-Outlets

at FAZ1714-05



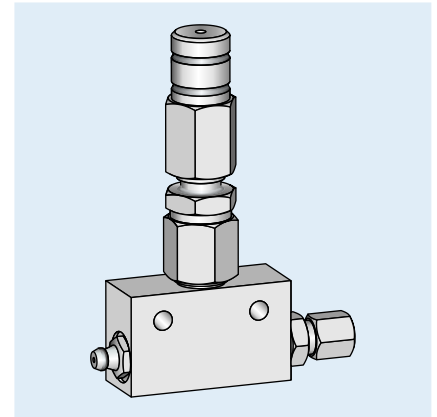
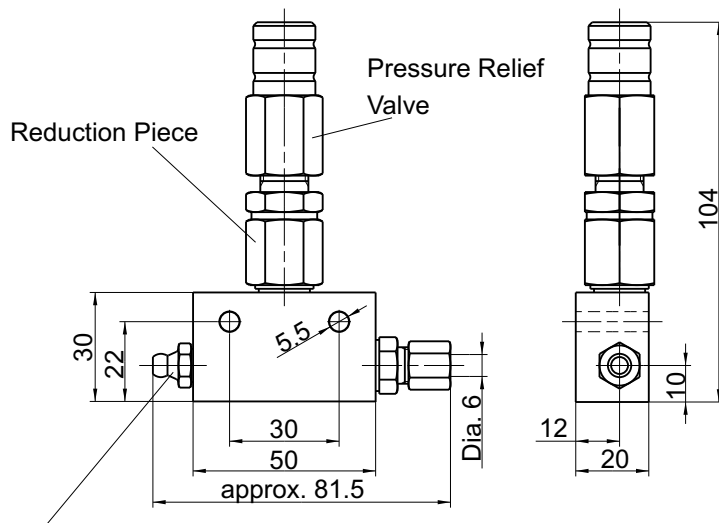
Part-No.	Number of connections	L1	L2	L3	Material
2159 0020 065	1	32	20	20	Steel
2159 0020 066	2	52	40	16	Steel
2159 0020 067	3	64	52	16	Steel
2159 0020 068	4	80	68	16	Steel
2159 0020 069	5	96	84	16	Steel
2159 0020 070	6	112	100	16	Steel
2159 0020 071	7	128	116	16	Steel
2159 0020 072	8	144	132	16	Steel

All Parts made of steel are zinc coated and yellow chromated.

Subject to alterations!

Nipple Block One-Outlet

with High Pressure Valve at FAZ02251-01

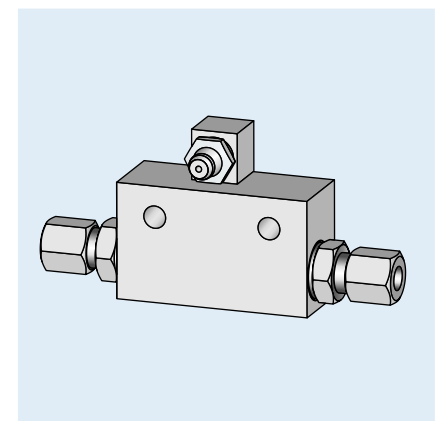
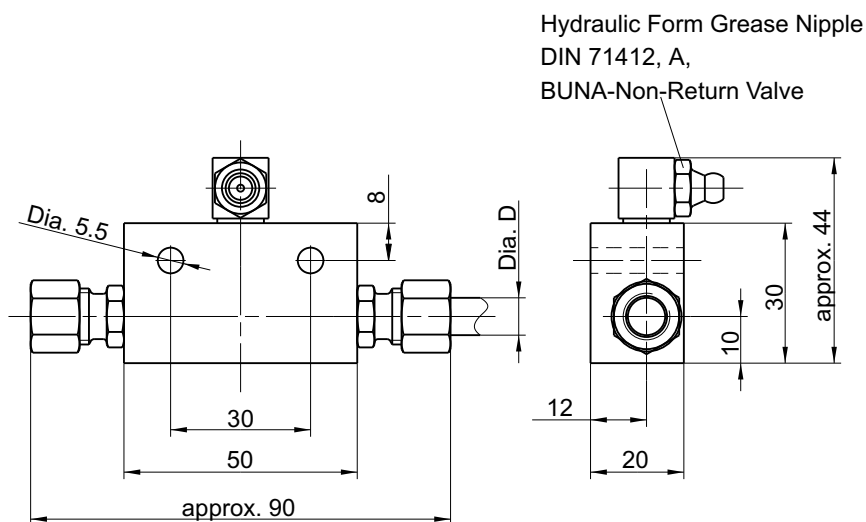


Hydraulic Form Grease Nipple
DIN 71412, A,
BUNA-Non-Return Valve

Part-No.	Material
2152 99063 2001	Steel zinc coated yellow chromate

Straight-Way Nipple Block One-Outlet

Connection Dia. 6 and Dia. 8



Hydraulic Form Grease Nipple
DIN 71412, A,
BUNA-Non-Return Valve

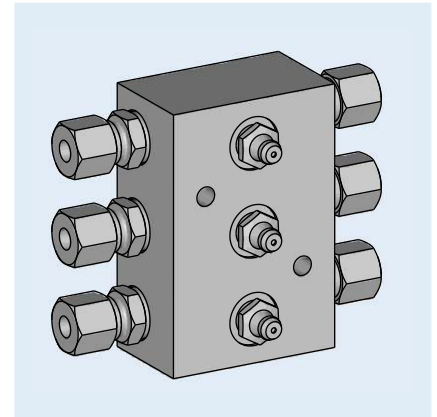
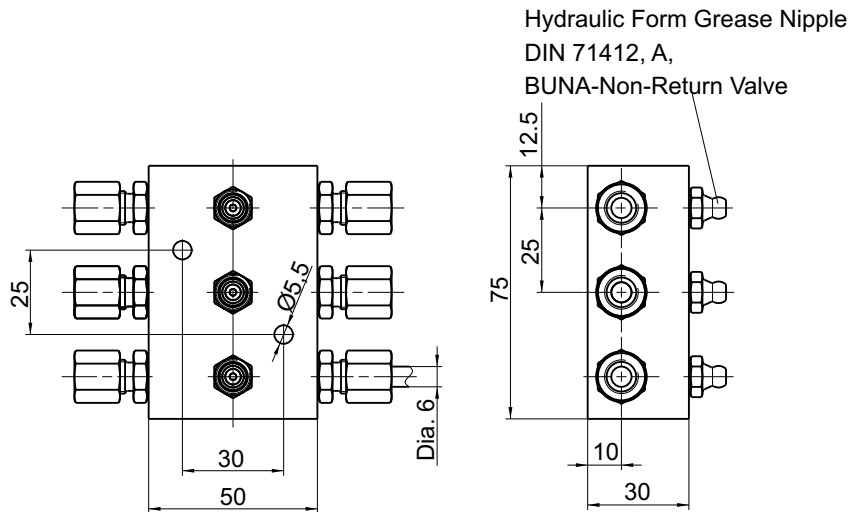
Subject to alterations!

Part-No.	Dia. D	Material
2159 0030 014	6	Steel
2159 0030 017	8	Steel

All Parts made of steel are zinc coated and yellow chromated.

Straight-Way Nipple Block 3 Outlets

at AZ-1760-02

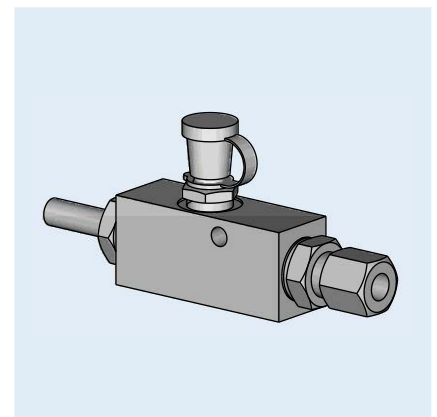
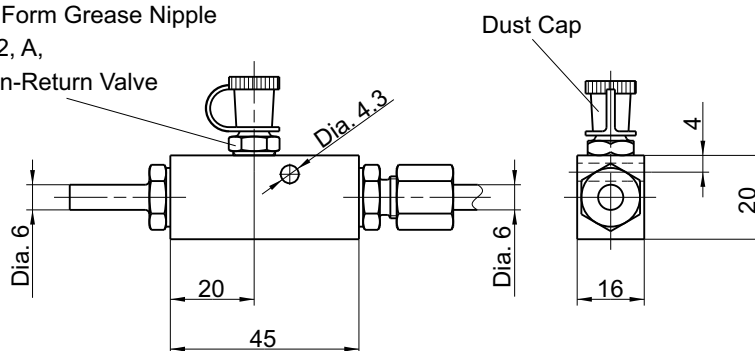


Part-No.	Material
21590030016	Steel zinc coated yellow chromate

Straight-Way Nipple Block

at AZ-1760-04

Hydraulic Form Grease Nipple
DIN 71412, A,
BUNA-Non-Return Valve

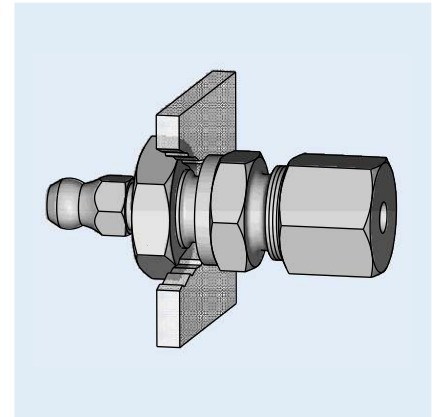
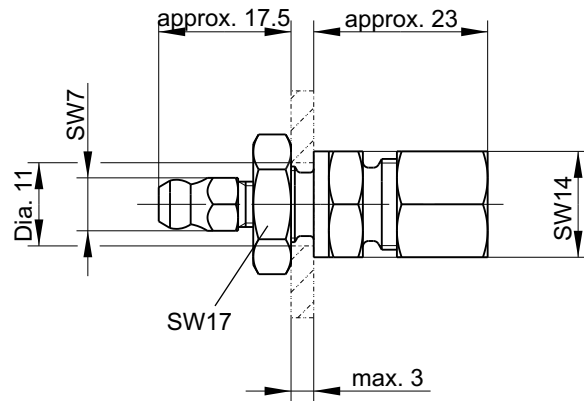


Part-No.	Material
21590030020	Steel zinc coated yellow chromate

Subject to alterations!



Bulkhead coupling with Hydraulic Form Grease Nipple



Part-No.	Material
FAZ03552-00	Steel zinc coated yellow chromate

Subject to alterations!

