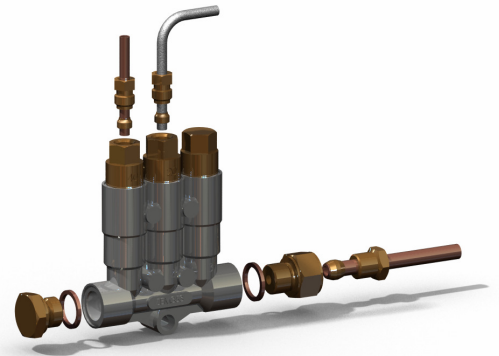


Product description

**ZEM
Injector**

DESCRIPTION

The ZEM Series injectors are positive displacement injectors (PDIs) that deliver precise and controlled lubrication outputs, meeting the exact requirements for a variety of diverse applications. They are pre-determined volumetric injectors that ensure each lubrication point receives the proper amount of lubricant. Which means there is no worry about over or under lubrication.



OPERATION

ZEM series injectors are classic PDIs, reliable and accurate. When pressure builds in the manifold the piston in the injector moves forward, discharging a set amount of lubricant to the lubrication point.

As the pressure is relieved, a compression spring returns the piston to its original position.

This movement recharges the injector (discharge chamber) and the injector is now ready for the next cycle.

It is important to note that the lubricating pump used with ZEM series injector must build pressure in the system to a minimum of 15 bars (220 psi) to actuate the injector discharge. The recommended operating pressure is 21 bars (300 psi).

A pressure relief valve is also required to quickly drop the line pressure between 0.3 and 0.7 bar (5 to 11 psi) range between lubrication cycles. This allows for the injector to fully recharge

TECHNICAL DATA

Handles oil and soft greases.

Die cast manifold for ZEM 34/35 and 39 series.

Ten output volumes are available for a diverse range of applications and points.

Modular design of the injectors are junction mounted for easy installation onto the machine.

Can incorporate different series injector in the same system.

Each series are available with push to connect fittings or with standard compression style fittings.

Pressure :

Operating maximum : 45 bars (650 psi)

Operating minimum : 15 bars (220 psi)

Relieving 0.7bars (11psi)

Seals :

Viton

Delivery volume :

0.01 cc, 0.03cc, 0.06cc, 0.10cc, 0.16cc, 0.20cc, 0.40cc,
0.60cc, 1.00cc and 1.5cc.

Lubricant to be used :

20 to 1500 Cst

Soft grease :

*NLGI 000, NLGI 00

* contact a bijur technician when using the ZEM's in soft grease applications.



HOW TO ORDER

The ZEM Injectors use a smart numbering system that allows you to tailor the system to meet your needs.

Injector code	ZEM												
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Injector type	
32	Serie 32
33	Serie 33
34	Serie 34
35	Serie 35
39	Serie 39

Number of outlets	
1	1 outlet (series 32/33/34/35)
2	2 outlets (series 34/35/39)
3	3 outlets (series 34/35/39)
5	5 outlets (series 34/35)

Outlet type	
C	M8x1 for compression screw and nut dia 4 mm OD
P	Push to connect 4 mm OD

Discharge volume	
A	0,01 CC (series 32/33/34)
B	0,03 CC (series 32/33/34)
C	0,06 CC (series 32/33/34)
D	0,10 CC (series 32/33/34/35)
E	0,16 CC (series 32/33/34)
F	0,20 CC (series 35/39)
G	0,40 CC (series 35/39)
H	0,60 CC (series 35/39)
I	1,00 CC (serie 39)
J	1,50 CC (serie 39)
X	0,00 (outlet cap)

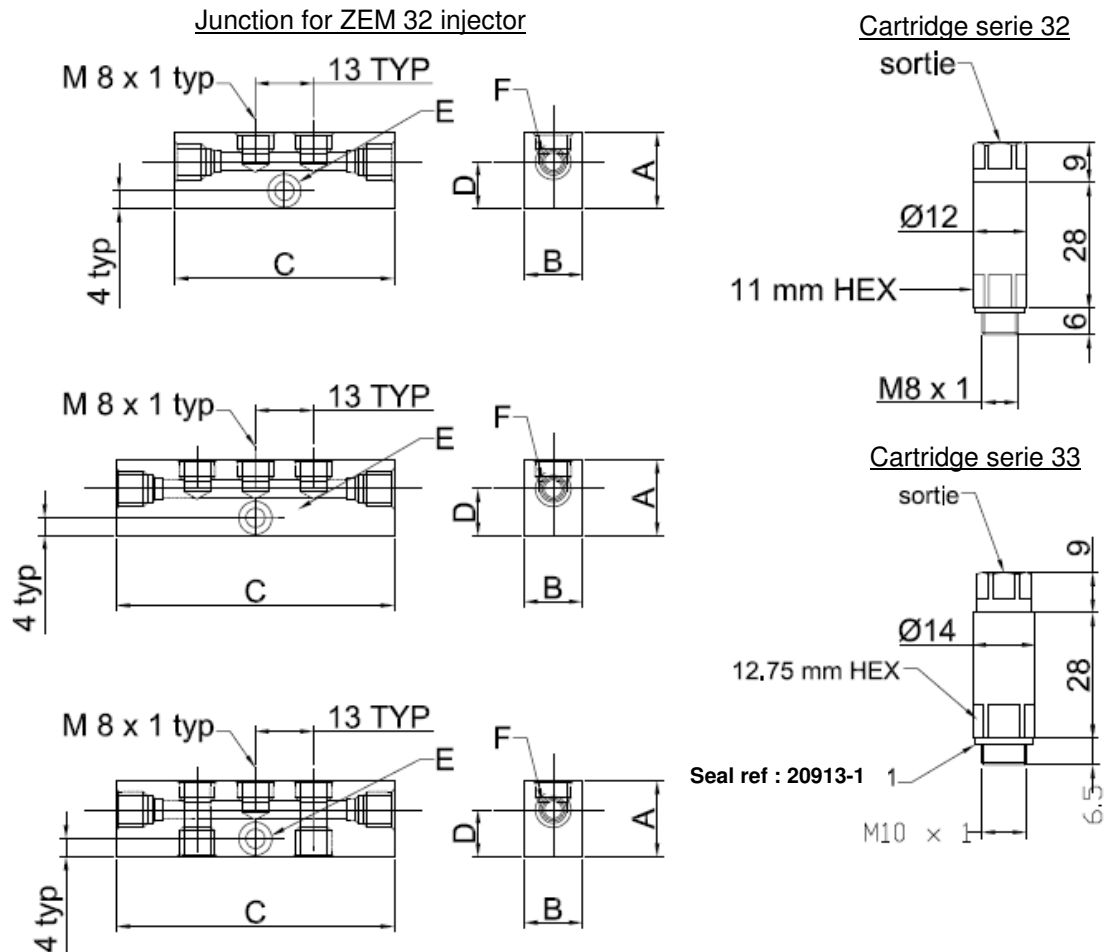
Example:

To order a three outlet 35 series injector with push to connect fittings, where the discharge volumes are 0.10 cc + 0.40 cc + 0.00 cc, use the following reference **ZEM 3PDGX**



ZEM 32

ZEM 32 series injectors are used with junctions. They are available with a standard compression connection or also with push to connect fittings.

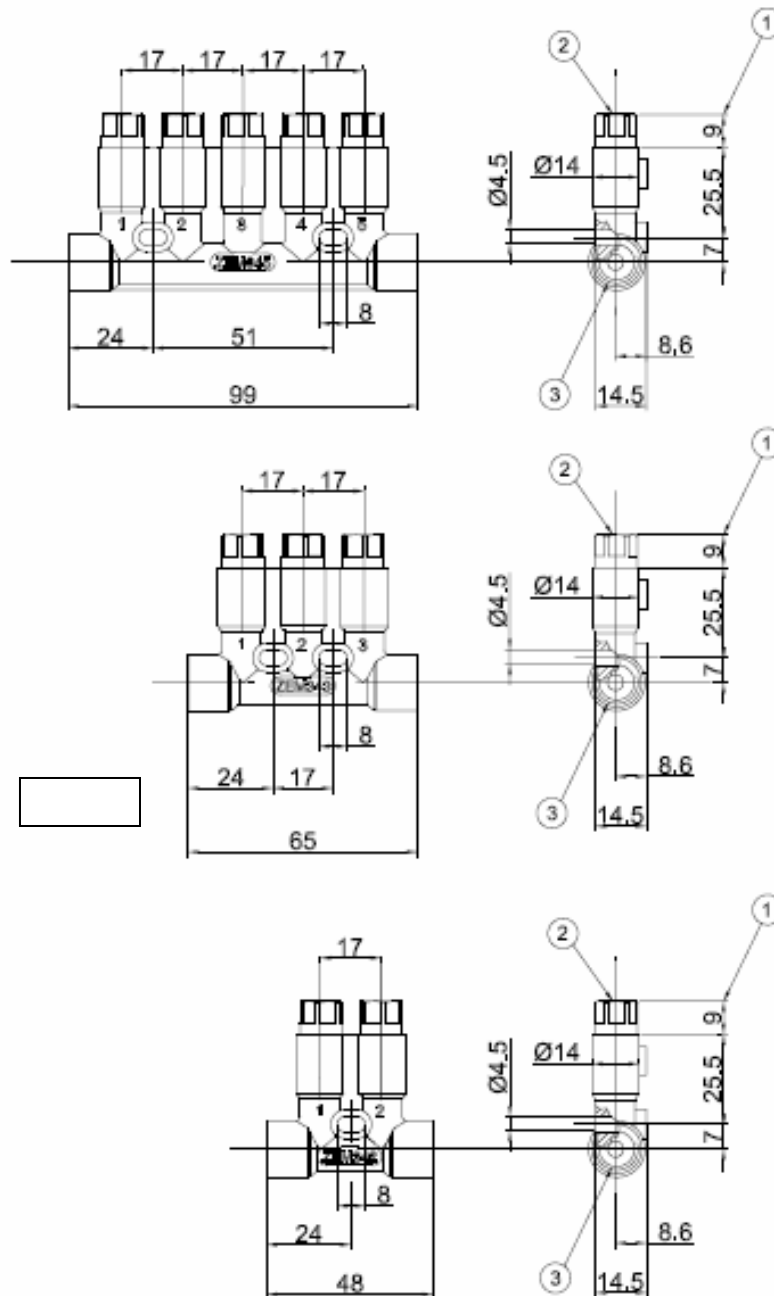


Junctions reference 32 serie

Ref #	Outlet #	Ø Tube Main	2x tapping Inlet rep f	Filter Outlet	A mm	B mm	C mm	D mm	E mm
ZEM 32 M 14	1	4 mm	M 8 x 1	M 8 x 1	n/a	n/a	n/a	n/a	percing Ø 4,3 blading Ø 7,4 depth : 2,8
ZEM 32 M 24	2	4 mm	M 8 x 1	M 8 x 1	17	13	49	10,5	
ZEM 32 M 26	2	6 mm	M 10 x 1	M 8 x 1	17	13	52	10,5	
ZEM 32 M 28	2	8 mm	M 14 x 1,5	M 8 x 1	20	18	61	11	
ZEM 32 M 34	3	4 mm	M 9 x 1	M 8 x 1	17	13	62	10,5	
ZEM 32 M 36	3	6 mm	M 10 x 1	M 8 x 1	17	13	65	10,5	
ZEM 32 M 38	3	8 mm	M 14 x 1,5	M 8 x 1	20	18	74	11	
ZEM 32 M 54	5	4 mm	M 8 x 1	M 8 x 1	17	13	62	10,5	
ZEM 32 M 56	5	6 mm	M 10 x 1	M 8 x 1	17	13	65	10,5	
ZEM 32 M 58	5	8 mm	M 14 x 1,5	M 8 x 1	20	18	74	11	

ZEM 34

ZEM 34 series injectors are available as 2, 3 and 5 outlets for use either with compression or push to connect fittings.



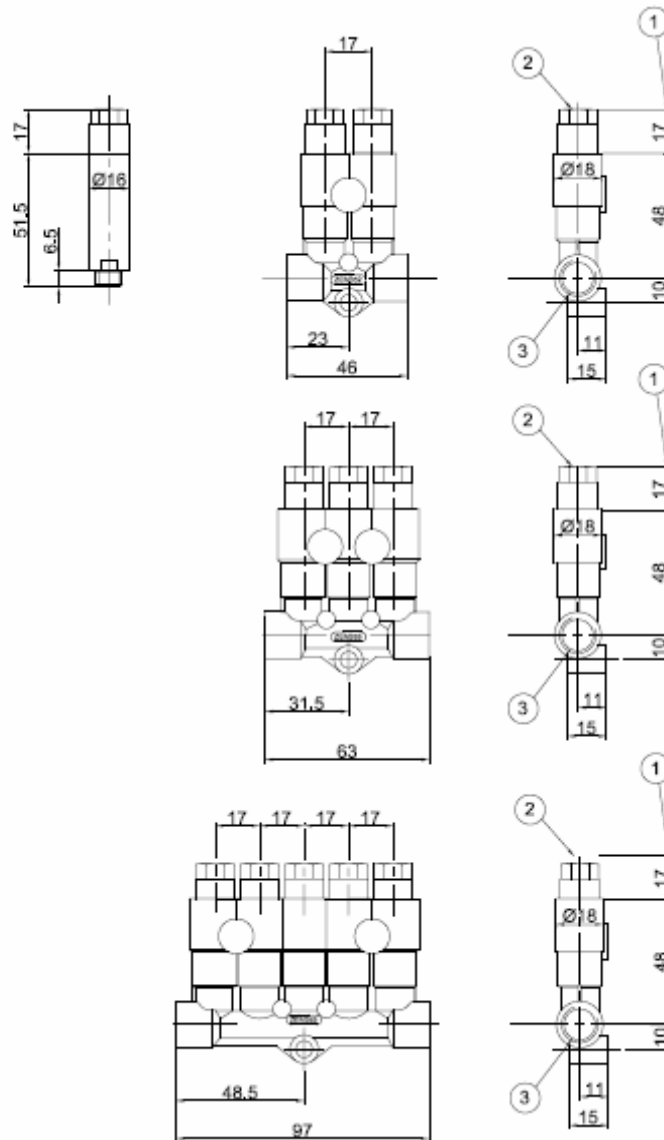
Legend

Mark	Designation	Mark	Designation
1	21 mm for push to connect fittings	3	Inlet M 10 x 1
2	Outlet M 8 x 1		



ZEM 35

ZEM 35 series injectors are available as 1, 2, 3 and 5 outlets for use either with compression or push to connect fittings.

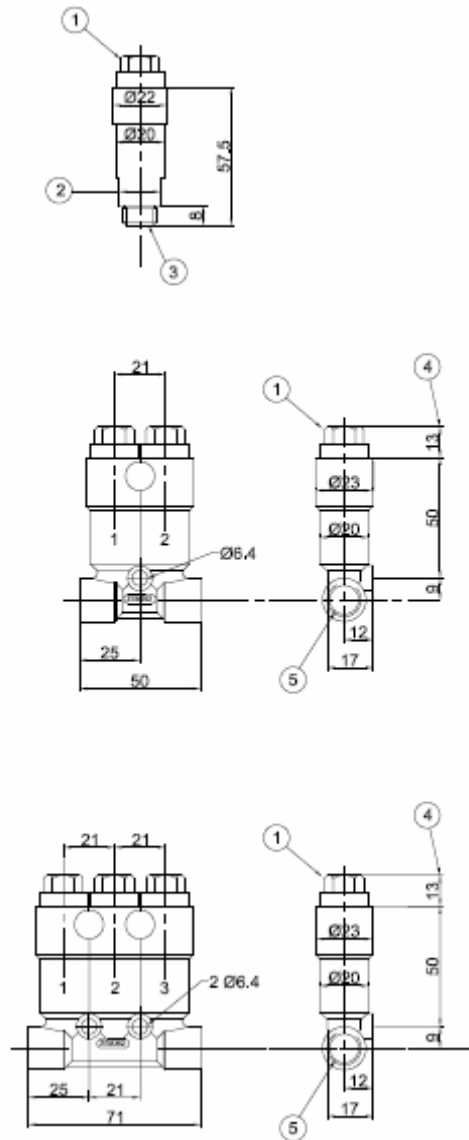


Legend			
Mark	Designation	Mark	Designation
1	13 mm for push to connect fittings	3	Inlet M 12 x 1
2	Outlet M 8 x 1		



ZEM 39

ZEM 39 Series injectors are available in 1, 2, and 3 outlets outlets for use either with compression or push to connect fittings.

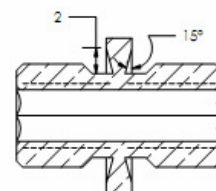
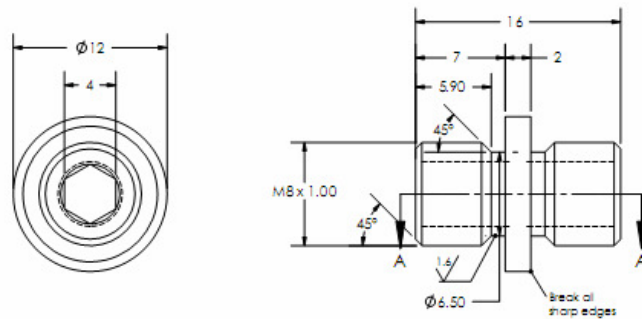


Legend			
Mark	Designation	Mark	Designation
1	Hexagonal head 14 mm flat	4	13 mm for push to connect outlets
2	17 mm flat	5	2 inlet M 12 x 100
3	M 14 x 1,5		



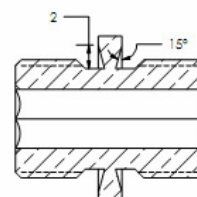
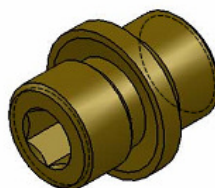
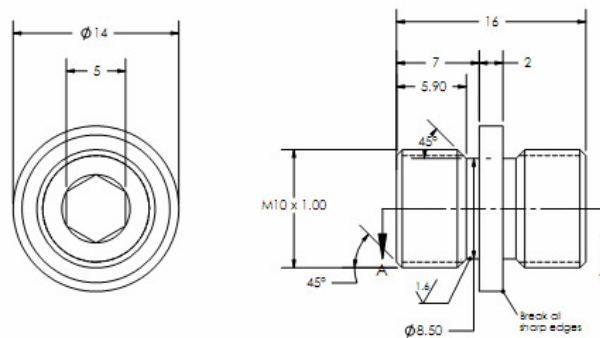
ACCESSORIES

Nipple ZEM M 8 x 1 reference 292401



SECTION A-A

Nipple ZEM M 10 x 1 reference 292402

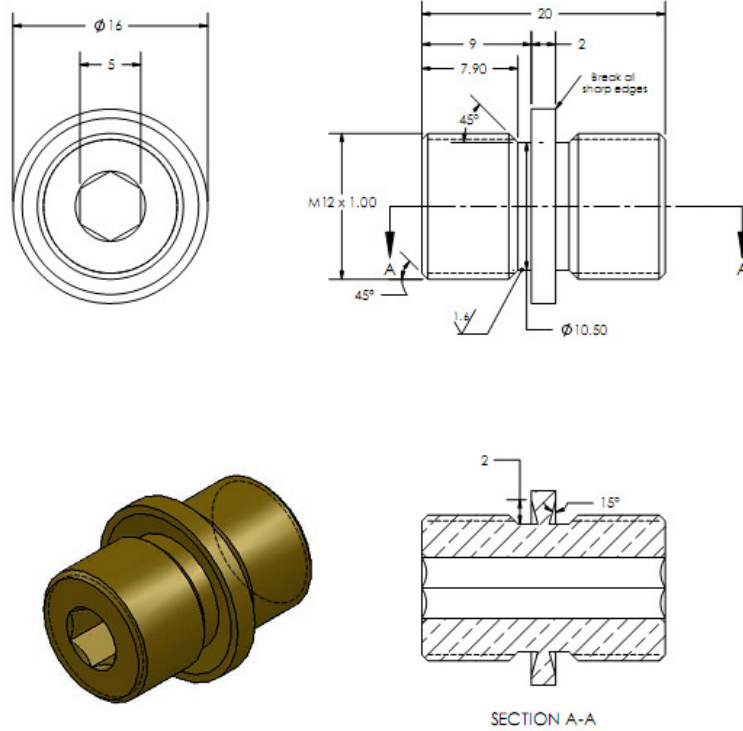


SECTION A-A



ACCESSORIES (continuation)

Nipple ZEM M 12 x 1 reference 292403



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