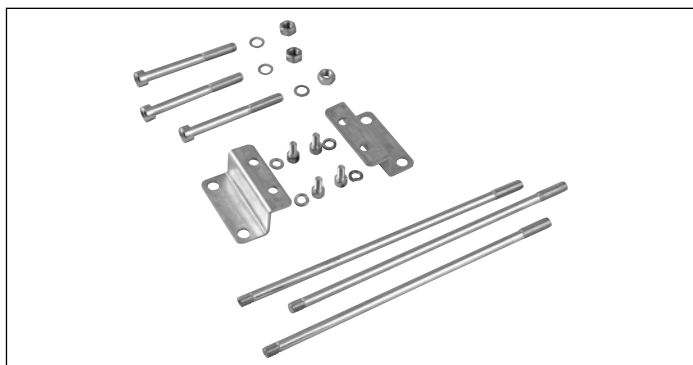


Accessories and fixation elements

RE 18301-90

Edition: 05.2016

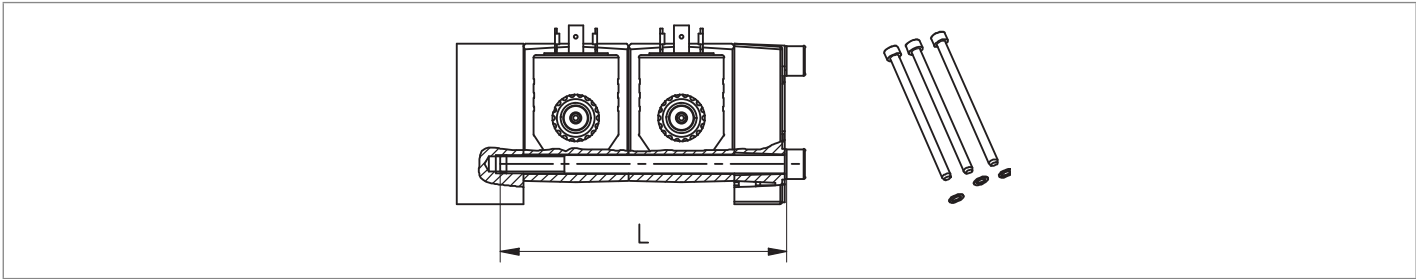
Replaces: 07.2012



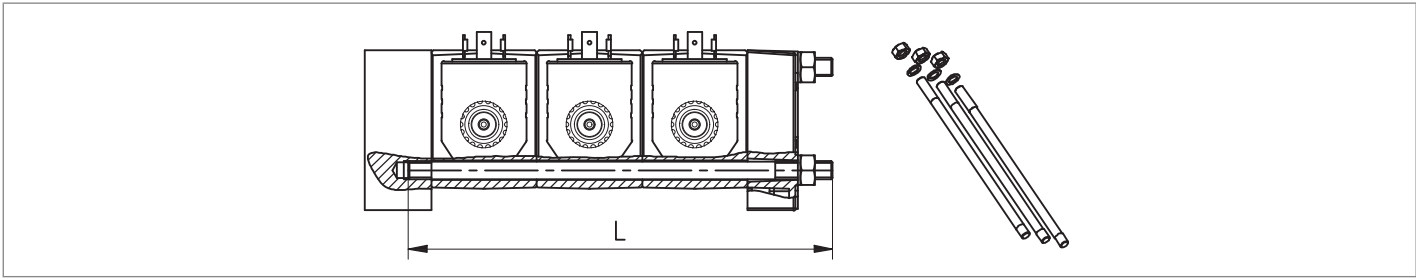
Contents

Assembly of directional elements	2
Fitting of mounting brackets	3
Assembling of flangeable element	3
Kit for spacers between elements	4
Flow restrictor	4
Series circuits	5
Hydraulic Symbol with intermediate element between A and B lines	5

Assembly of directional elements



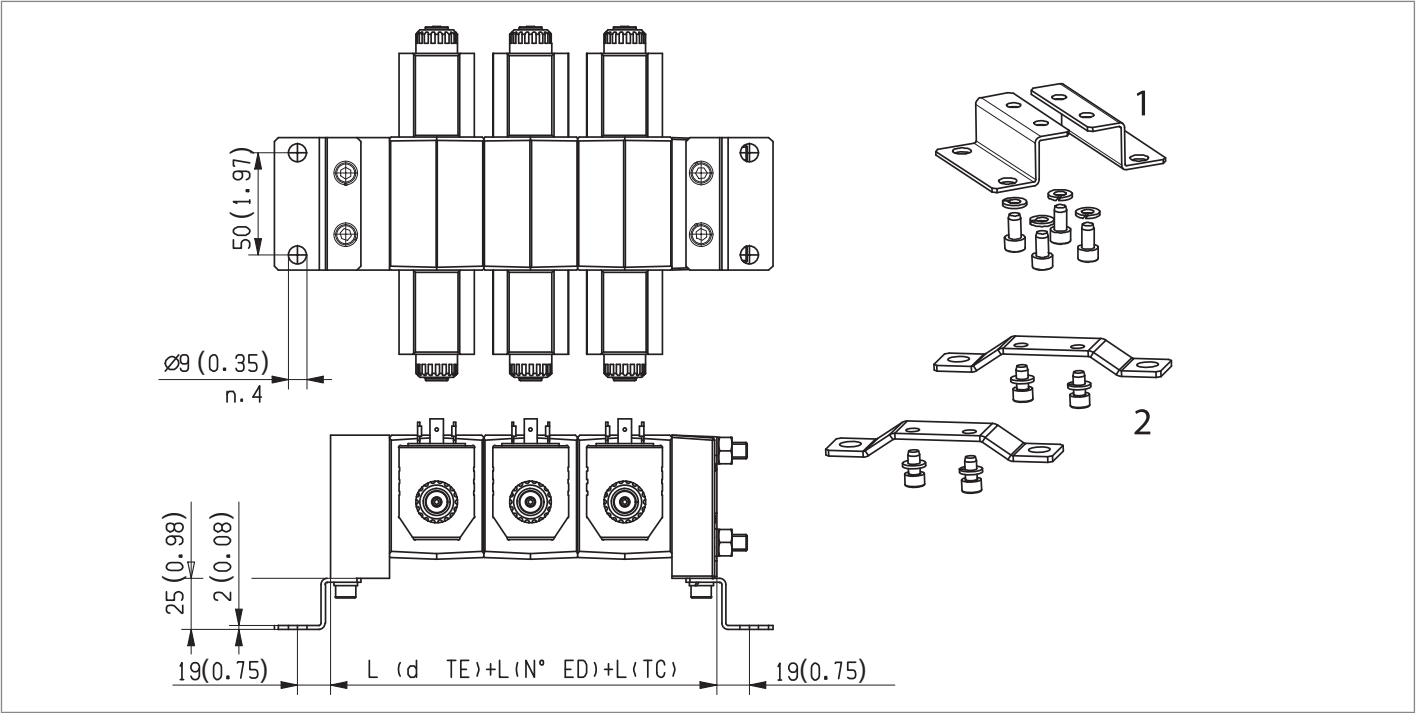
For 1 or 2 elements,
the assembly kit is composed by 3 screws and 3 washers



For 3 or more elements,
the assembly kit is composed by 3 tie-rods, 3 washers and 3 nuts

Total flangeable elements	Screw or tie-rod length L mm (inch)	Tightening torque for tie rod on entry plate Nm (ft-lb)	Tightening torque for locking nut (opt.) Nm (ft-lb)	Tightening torque for screws or nuts Nm (ft-lb)	Reference code	Type	Material Number
1	80 (3.150)	N/A	N/A	17-18 (12,5-13,3)	K-2201	Screw	R933003721
2	125 (4.921)	N/A	N/A	17-18 (12,5-13,3)	K-2202	Screw	R933003722
3	185 (7.283)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2203	Tie-rod	R933003723
4	230 (9.055)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2204	Tie-rod	R933003724
5	275 (10.827)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2205	Tie-rod	R933003725
6	320 (12.598)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2206	Tie-rod	R933003726
7	365 (14.370)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2207	Tie-rod	R933003727
8	410 (16.142)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2208	Tie-rod	R933003728
9	460 (18.110)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2209	Tie-rod	R933003729
10	510 (20.079)	17-23 (12,5-17)	5-6 (3,7-4,4)	17-18 (12,5-13,3)	K-2210	Tie-rod	R933000000

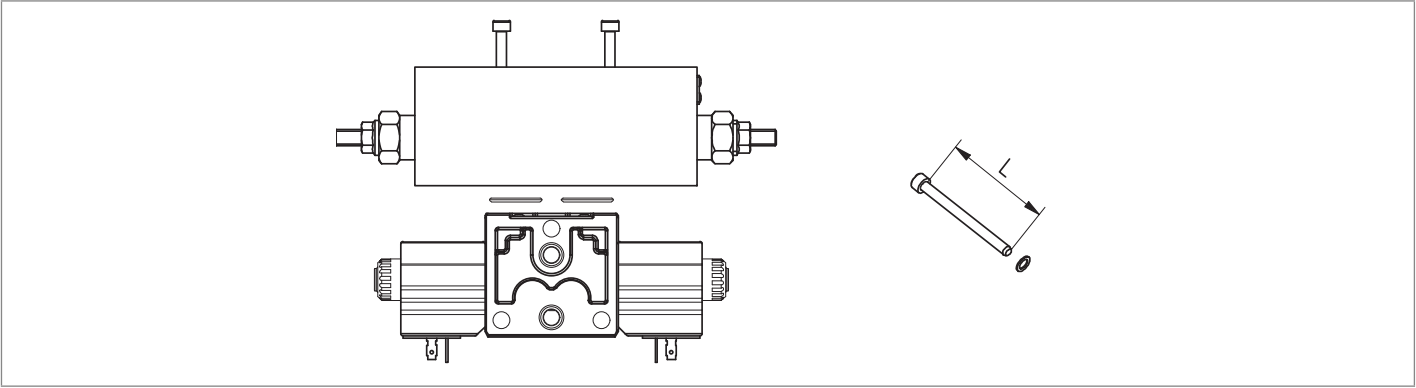
Fitting of mounting brackets



The kit is composed by 2 brackets, 4 screws and 4 washers.

Nr.	Type	Tightening torque Nm (ft-lb)	Material Number
1	K-2215	9-10 (6.64-7.37)	R933003730
2	K-2216	9-10 (6.64-7.37)	R933007089

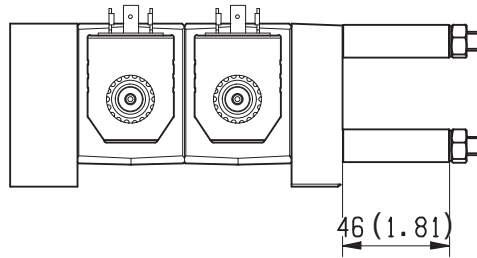
Assembling of flangeable element



The assembly kit is composed by 4 screws and 4 washers.

Total flangeable elements	Screw or tie-rod length L mm (inch)	Tightening torque Nm (ft-lb)	Reference code	Material Number
1	60 (2.326)	5-6 (3.69-4.42)	K-2221	R933003731
2	120 (4.724)	5-6 (3.69-4.42)	K-2222	R933003732
3	175 (6.890)	5-6 (3.69-4.42)	K-2223	R933003733

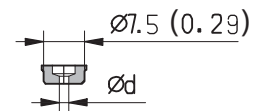
Kit for spacers between elements



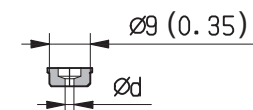
The spacers (code 44-00257012) are fitted in order to install longer tie-rods for future insertion of an extra directional element.

Flow restrictor

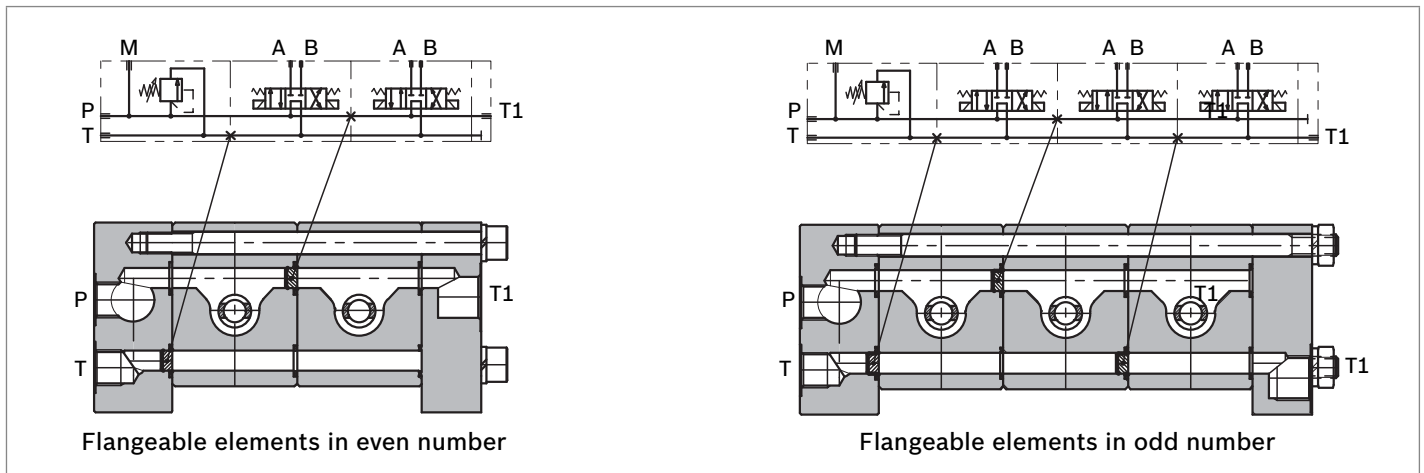
Material description	Orifice I.D. mm (inch)	Material Number
50-04999	Closed	R933002917
50-05003	0,3 (0.012)	R933002922
50-05004	0,4 (0.016)	R933003398
50-05001	0,5 (0.020)	R933002920
50-05000	0,6 (0.024)	R933002919
50-05002	0,7 (0.028)	R933002921
50-0500	0,8 (0.031)	R933002918
50-05008	0,9 (0.035)	R933002923
50-0501	1,0 (0.039)	R933002924
50-05015	1,1 (0.043)	R933002925
50-0502	1,2 (0.047)	R933002926
50-05022	1,35 (0.053)	R933002927
50-0503	1,5 (0.059)	R933002928
50-05032	1,6 (0.063)	R933002930
50-05031	1,7 (0.067)	R933002929
50-0504	2,0 (0.079)	R933002931
50-0505	2,2 (0.087)	R933002933
50-05045	2,5 (0.098)	R933002932
50-0506	3,0 (0.118)	R933002934
50-0508	3,2 (0.126)	R933002935
50-0510	4,0 (0.157)	R933007391
50-0515	5,0 (0.197)	R933008462



Material description	Orifice I.D. mm (inch)	Material Number
50-07000	Closed	R933002936
50-07020	0,8 (0.031)	R933002937
50-07021	1,0 (0.039)	R933007090
50-07022	1,1 (0.043)	R933007930
50-07023	1,2 (0.047)	R933007633
50-07024	1,4 (0.055)	R933007704
50-07030	1,6 (0.063)	R933002938
50-07031	1,7 (0.067)	R933007091
50-07040	2,0 (0.079)	R933002939
50-07043	2,25 (0.089)	R933009044
50-07045	2,5 (0.098)	R933007477
50-07047	2,75 (0.108)	R933002940
50-07050	3,0 (0.118)	R933002941
50-07056	3,5 (0.138)	R933009575
50-07057	3,75 (0.148)	R933007703
50-07060	4,0 (0.157)	R933007631
50-07070	5,5 (0.217)	R933007567



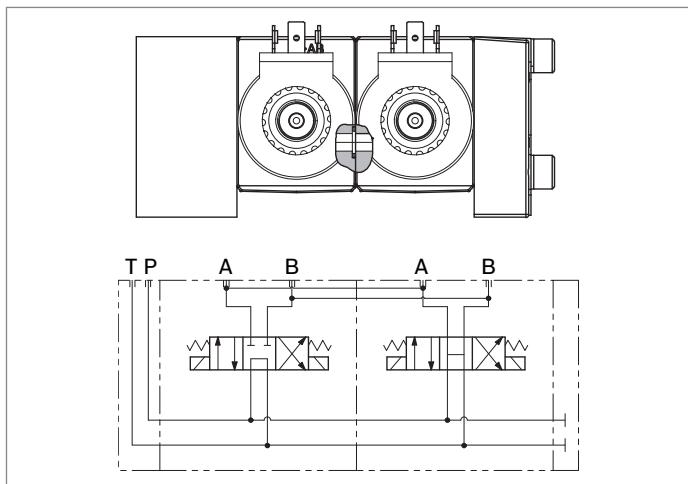
Series circuits



To have information about the pressure drops on elements, see the (DELTA P-Q) curves of P>T of A201 circuit of ED1 (RE 18301-01) or ED2 (RE 18301-02) modular elements.

Hydraulic Symbol with intermediate element between A and B lines

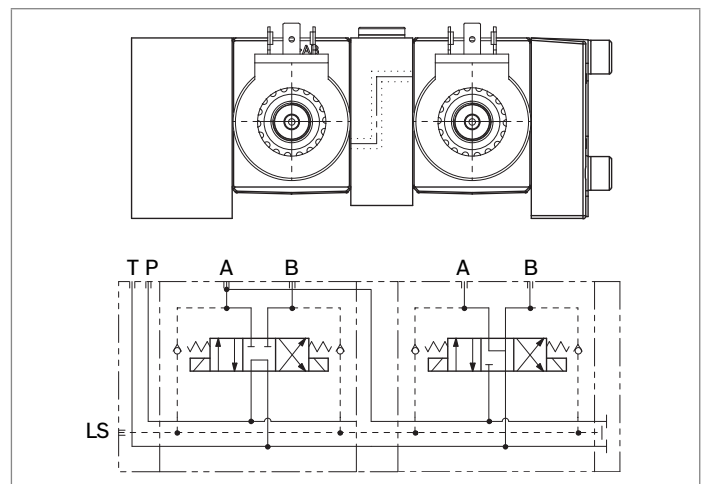
Flangeable elements with A and B ports in one side



scheme 1

Also available flangeable elements with A and B ports in one side, oriented either toward the inlet (TE) side, or toward the outlet (TC) side (see Hydraulic symbol 1).

Flangeable elements with A and B ports in one side, and with an intermediate body for connection of A and P



scheme 2

For flangeable elements with A and B ports in one side there is also a flangeable body to connect the A port of one element to the P port of the following element (see Hydraulic symbol 2).

Bosch Rexroth Oil Control S.p.A.

Oleodinamica LC Division
Via Artigianale Sedrio, 12
42030 Vezzano sul Crostolo
Reggio Emilia - Italy
Tel. +39 0522 601 801
Fax +39 0522 606 226 / 601 802
compact-hydraulics-cdv@boschrexroth.com
www.boschrexroth.com/compacthydraulics

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Subject to change.