INTERNATIONAL STANDARD

ISO 11901-2

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Tools for pressing — Gas springs —

Part 2:
Specification of accessories

Outillage de presse — Ressorts à gaz —
Partie 2: Spécifications des accessoires

Reference number
ISO 11901-2:1995(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11901-2 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

ISO 11901 consists of the following parts, under the general title *Tools for pressing — Gas springs*:

— *Part 1: General specifications*

— *Part 2: Specification of accessories*

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Tools for pressing — Gas springs —

Part 2:
Specification of accessories

1 Scope

This part of ISO 11901 specifies the dimensions in millimetres, of mounting base plates, of two-part mounting clamps, of flange mounts and front end supports intended for use in press tools together with gas springs in accordance with this document.

It also gives information concerning materials and specifies the designation of the mounting accessories in accordance with this document.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11901. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11901 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 630:1995, *Structural steels — Plates, wide flats, bars, sections and profiles.*

ISO 11901-1:1995, *Tools for pressing — Gas springs — Part 1: General specifications.*

3 Dimensions

3.1 Type A — Mounting base plates

See figures 1 to 3 and table 1.

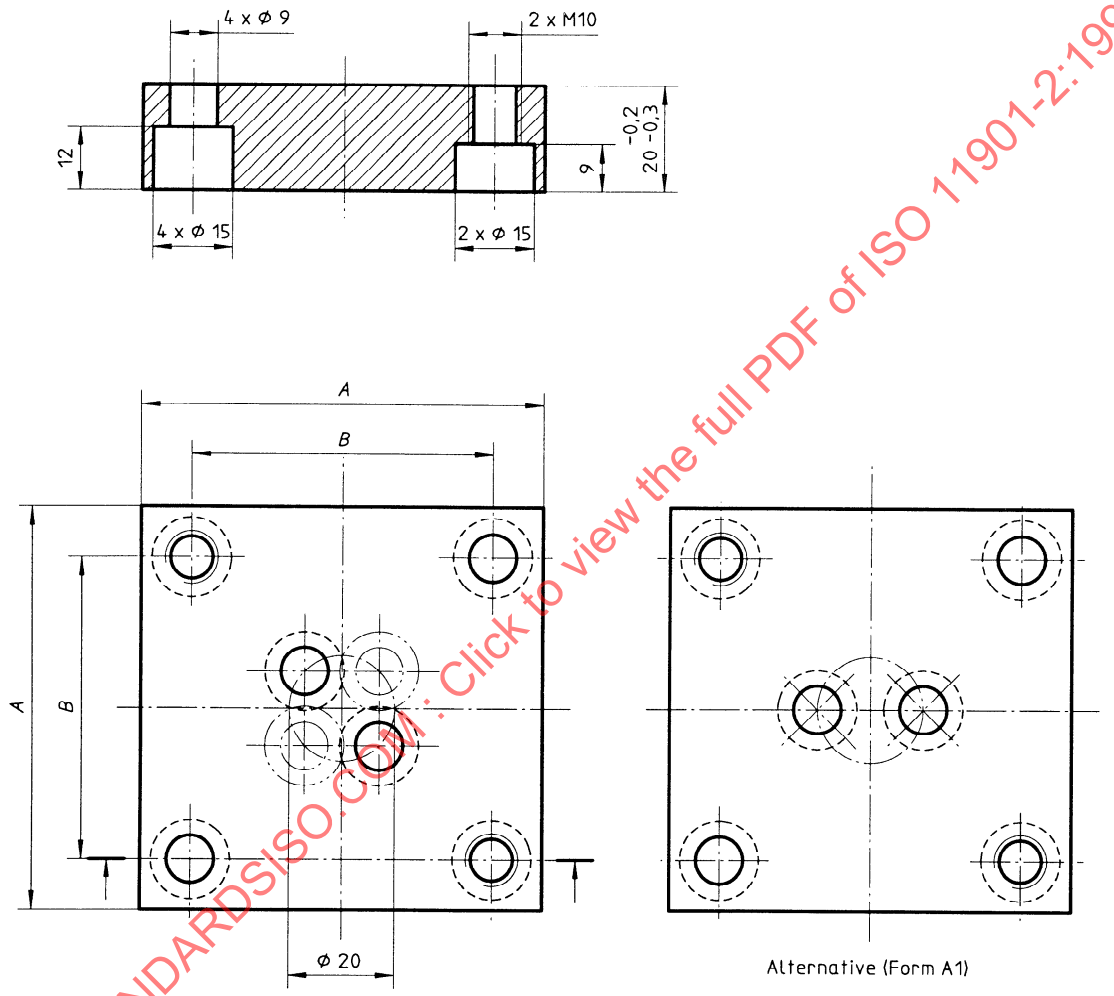

Figure 1 — Form A

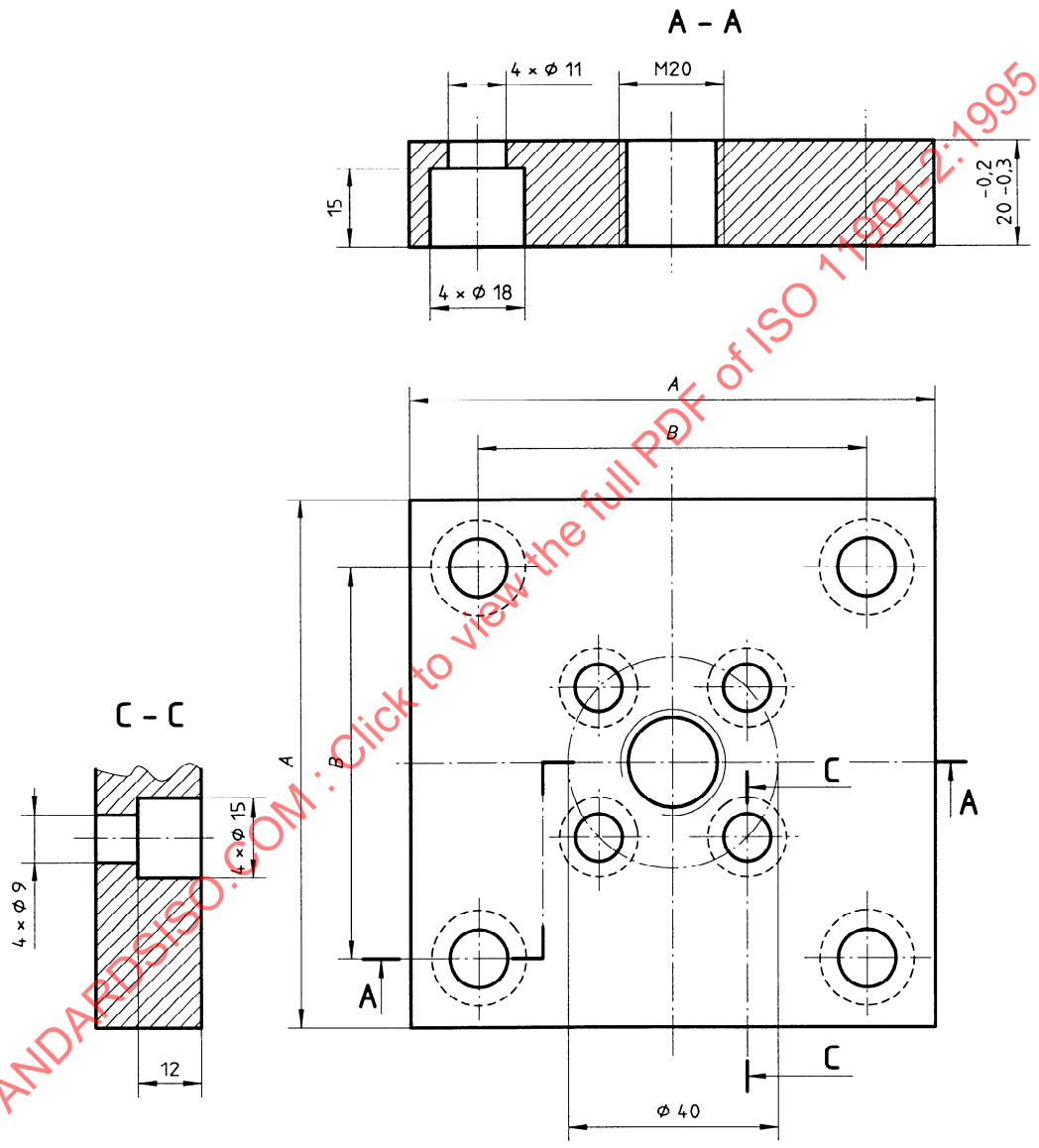

Figure 2 — Form B

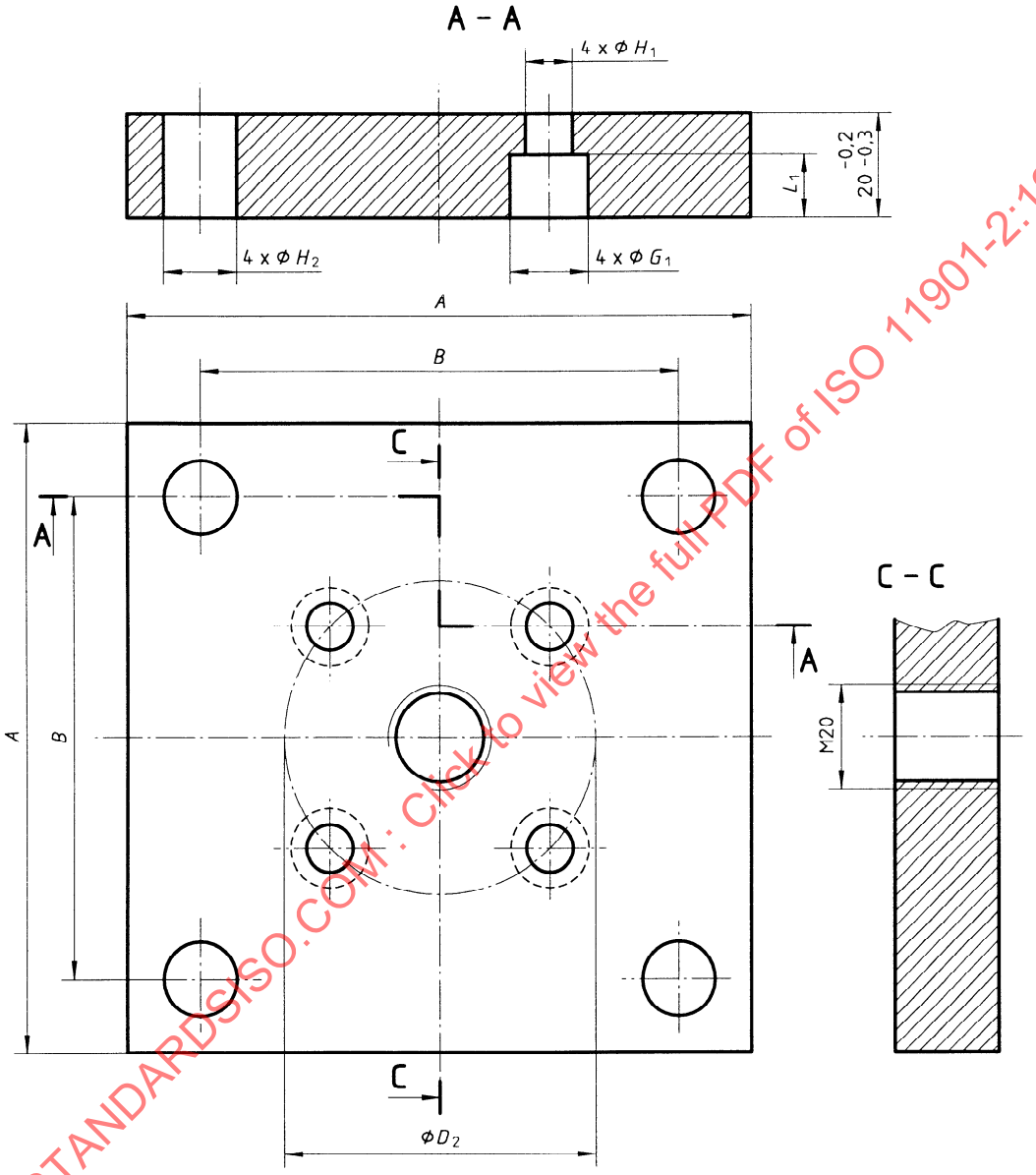

Figure 3 — Form C

Table 1

Spring identity	A	B	G_1	H_1	L_1	H_2	D_2	Figure
5 000 N - 15 MPa 3 300 N - 10 MPa	70	50	—	—	—	—	—	1
7 500 N - 15 MPa 5 000 N - 10 MPa	75	56,5	—	—	—	—	—	1
15 000 N - 15 MPa 10 000 N - 10 MPa	100	73,5	—	—	—	—	—	2
30 000 N - 15 MPa 20 000 N - 10 MPa	120	92	15	9	12	13,5	60	3
50 000 N - 15 MPa 33 000 N - 10 MPa	140	109,5	18	11	15	13,5	80	3
75 000 N - 15 MPa 50 300 N - 10 MPa	190	138	18	11	15	17,5	100	3

3.2 Type B — Two part mounting plates

See figure 4 and table 2

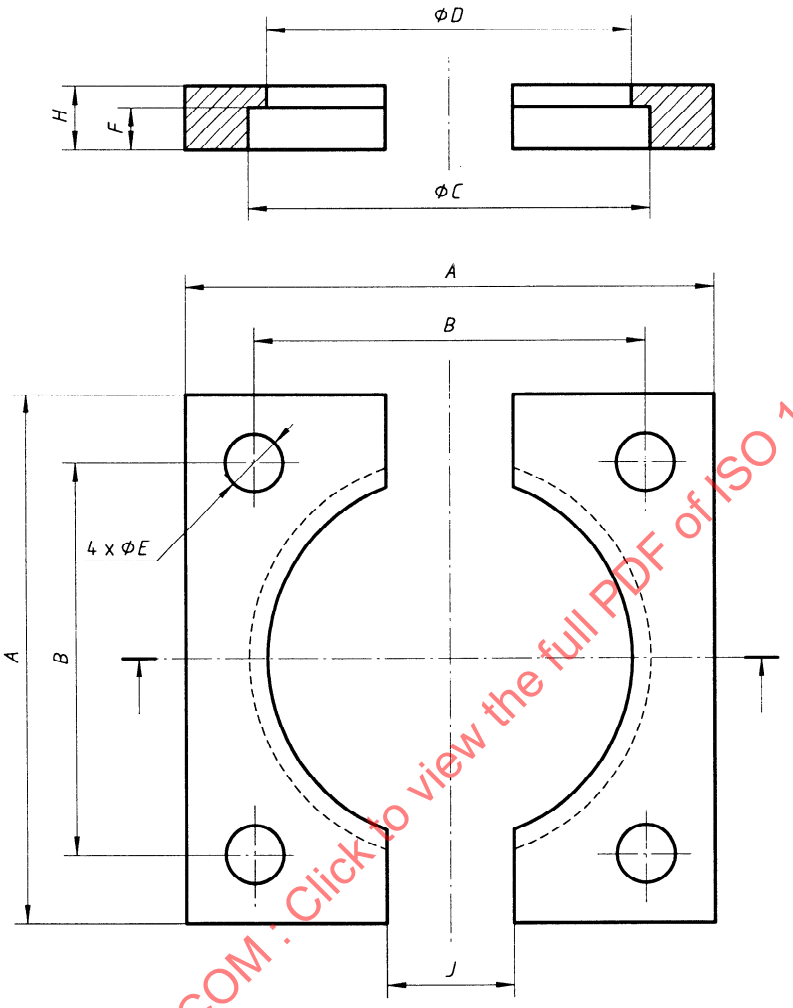

Figure 4 — Two part mounting clamp

Table 2

Spring identity	*A*	*B*	*C*	*D*	*E*	*F* $^{0}_{-0,1}$	*H*	*J*
1 500 N - 15 MPa 1 000 N - 10 MPa	50	35	32,5	28,5	6,6	4	7	5
2 500 N - 15 MPa 1 600 N - 10 MPa	55	40	38,5	34,5	6,6	4	7	5
5 000 N - 15 MPa 3 300 N - 10 MPa	70	50	45,5	41,5	9	4	7	20
7 500 N - 15 MPa 5 000 N - 10 MPa	75	56,5	50,5	44,5	9	8	12	24
15 000 N - 15 MPa 10 000 N - 10 MPa	100	73,5	75,5	68,5	11	8	12	24
30 000 N - 15 MPa 20 000 N - 10 MPa	120	92	95,5	88,5	13,5	8	12	24
50 000 N - 15 MPa 33 000 N - 10 MPa	140	109,5	120,5	113,5	13,5	8	12	24
75 000 N - 15 MPa 50 300 N - 10 MPa	190	138	150,5	143,5	17,5	8	12	24

3.3 Type C — Flange mounts

3.3.1 Asymmetrical flange mounts

See figure 5 and table 3.

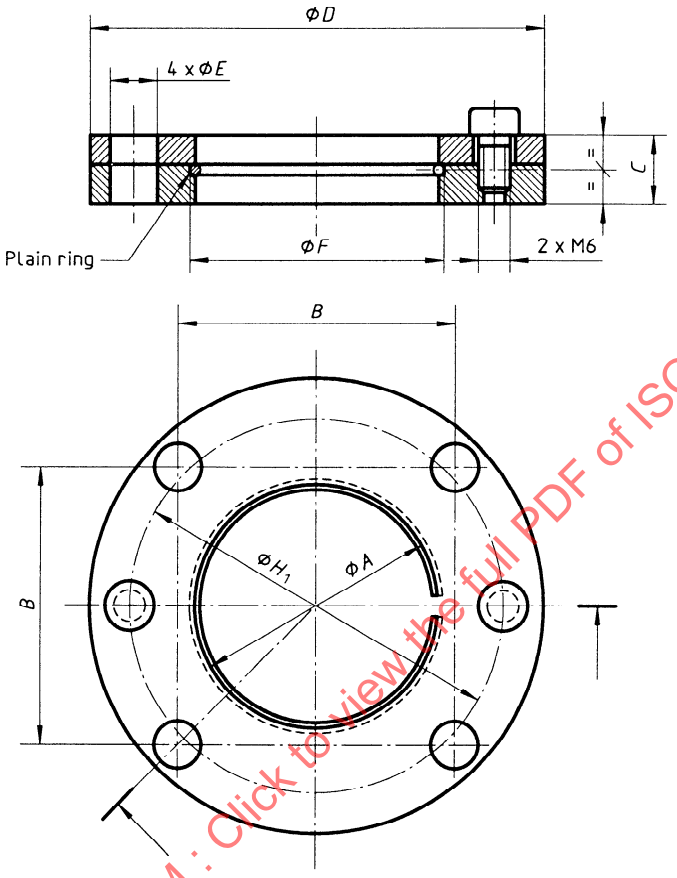

Figure 5 — Form A

3.3.2 Symmetrical flange mounts

See figure 6 and table 3.

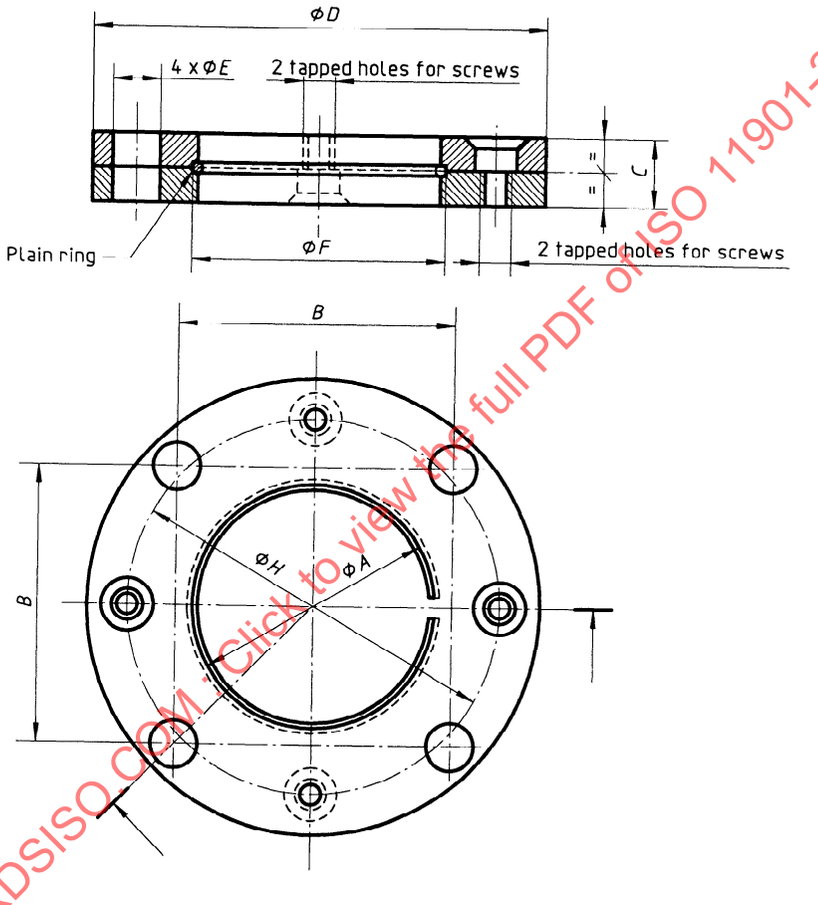

Figure 6 — Form B

3.3.3 Mounting of the flange mounts on gas spring

See figure 7 and table 3.

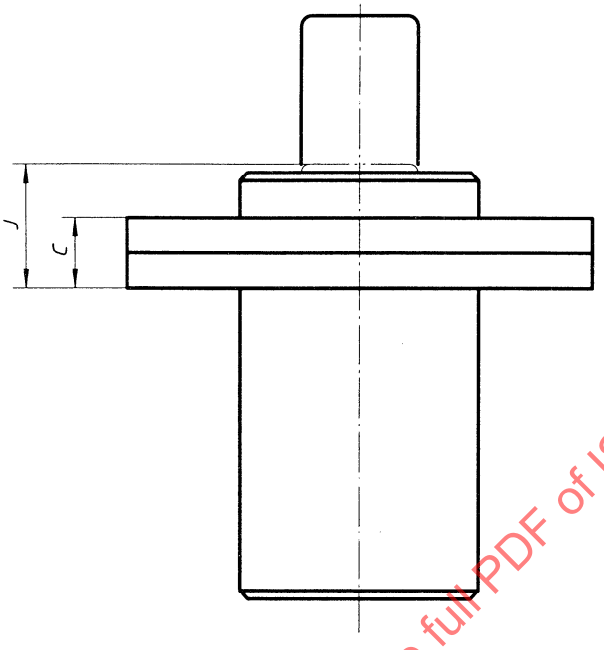

Figure 7 — Mounting of a flange mount

Table 3

Spring identity	A ± 0,1	B	C	D	E	F +0,1 −0,3	Plain ring diameter h10	H	H_1	J	Screw
1 500 N - 15 MPa 1 000 N - 10 MPa	32,5	35	9	60	6,6	34	2	50	47	17	M5
2 500 N - 15 MPa 1 600 N - 10 MPa	38,5	40	9	68	6,6	40	2	56	54	17	M5
5 000 N - 15 MPa 3 300 N - 10 MPa	45,5	50	13	86	9	47	2	70	66,5	23	M6
7 500 N - 15 MPa 5 000 N - 10 MPa	50,5	56,5	13	95	9	54	4	80	74,5	24	M6
15 000 N - 15 MPa 10 000 N - 10 MPa	75,5	73,5	16	122	11	80	5	104	101	29	M6
30 000 N - 15 MPa 20 000 N - 10 MPa	95,5	92	18	150	13,5	100	5	130	125	33	M6
50 000 N - 15 MPa 33 000 N - 10 MPa	120,5	109,5	21	175	13,5	125	5	155	150	36	M6
75 000 N - 15 MPa 50 300 N - 10 MPa	150,5	138	27	220	17,5	155	5	194	187,5	41	M6