

INTERNATIONAL ELECTROTECHNICAL COMMISSION
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**HIGH-VOLTAGE SWITCHGEAR AND
CONTROLGEAR –**

**Part 211: Direct connection between power
transformers and gas-insulated metal-enclosed
switchgear for rated voltages above 52 kV**

APPAREILLAGE À HAUTE TENSION –

**Partie 211: Raccordements directs entre
transformateurs de puissance et appareillage
sous enveloppe métallique à isolation gazeuse
de tensions assignées supérieures à 52 kV**

C O R R I G E N D U M 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

Figure 1 – Typical direct connection between power transformer and gas-insulated metal-enclosed switchgear

Replace the existing Figure 1 with the following new figure:

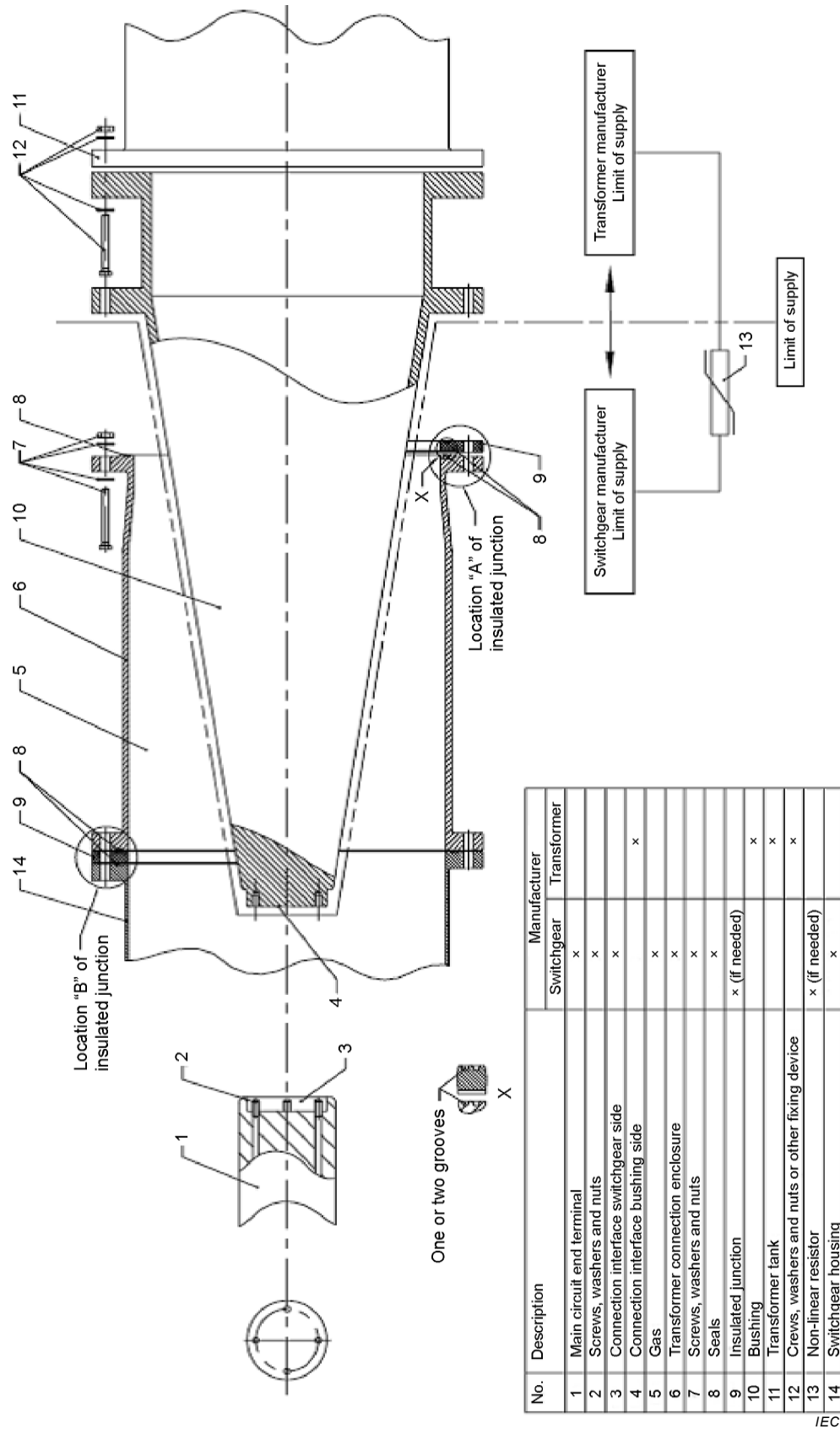
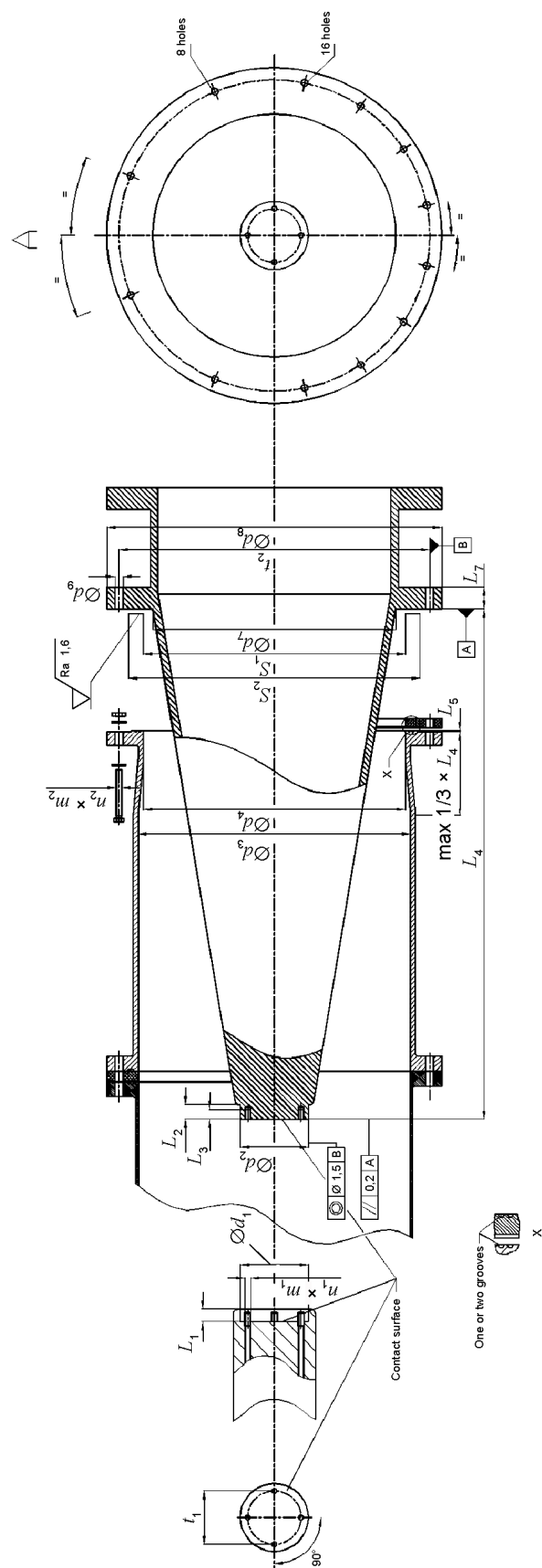


Figure 2 – Standard dimensions for typical direct connection between power transformer and gas-insulated metal-enclosed switchgear

Replace the existing Figure 2 with the following new figure:



Rated voltage [kV]	Rated lightning impulse withstand voltage [kV]	ϕd_1	ϕd_2	ϕd_3	ϕd_4	ϕd_5	ϕd_6	ϕd_7	ϕd_8	ϕd_9	L_1 max	L_2 min	L_3 min	L_4	L_5 max (note 2)	L_7 max	$n_1 \times m_1/n_2 \times m_2$ (note 1)	S_1 max	S_2 min	ϕt_1	ϕt_2
52 to 100	325 to 450	$100^{+0.5}_0$	$99^{+0.5}_0$	250	200^{+3}_0	196	315	16	25	20	330	20	20	3	3	25	4×M12	200	260	70 $^{+3}_{-3}$	285
123 to 170	550 to 750	$100^{+0.5}_0$	$99^{+0.5}_0$	300	220^{+3}_0	215	335	16	25	20	520	20	20	3	3	30	4×M12	220	280	70 $^{+3}_{-3}$	305
245 to 300	850 to 1 000	$140^{+0.5}_0$	$138^{+0.5}_0$	450	450^{+3}_0	440	565	16	25	25	770	25	25	3	3	40	4×M12	450	500	110 $^{+3}_{-3}$	535
362 to 550	1 175 to 1 550	$140^{+0.5}_0$	$138^{+0.5}_0$	540	540^{+3}_0	500	690	20	25	25	1 050	25	25	3	3	45	4×M12	540	600	110 $^{+3}_{-3}$	640

Notes

- The orientation of the fixing holes shall be in accordance with View A
- According to switchgear manufacturer's practice, a recess up to 3 mm may be provided or not

Figure 1 – Raccordement direct type entre le transformateur de puissance et l'appareillage sous enveloppe métallique à isolation gazeuse

Remplacer la Figure 1 existante par la nouvelle figure suivante:

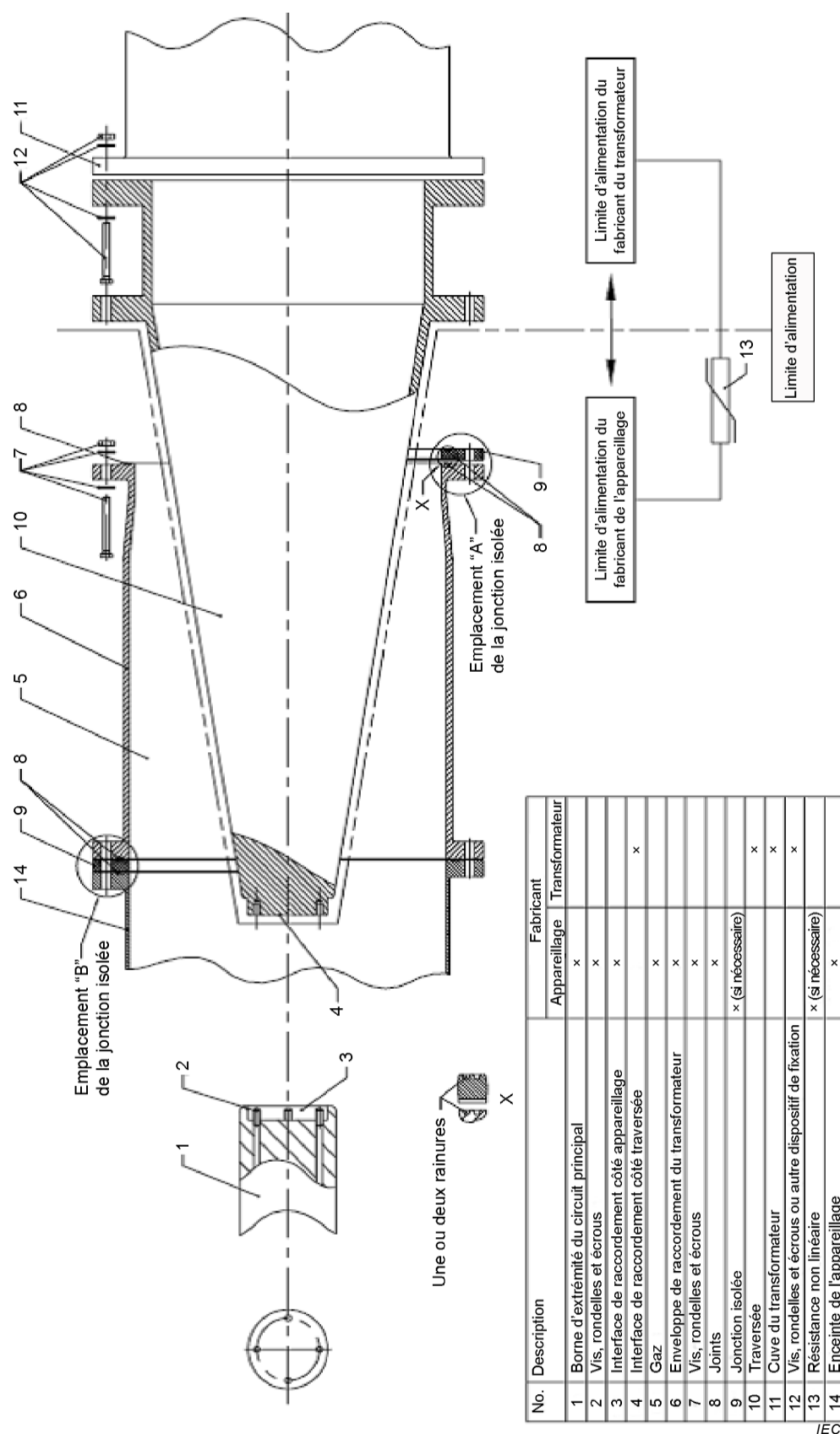
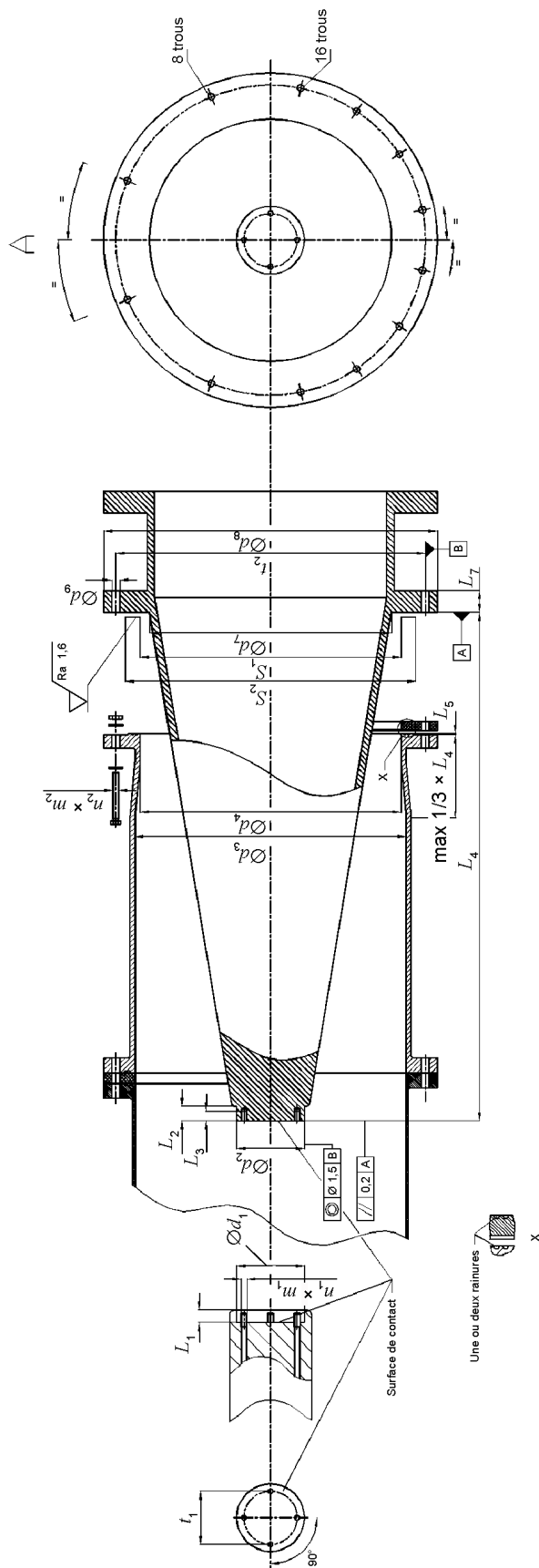


Figure 2 – Dimensions normalisées pour le raccordement direct type entre le transformateur de puissance et l'appareillage sous enveloppe métallique à isolation gazeuse

Remplacer la Figure 2 existante par la nouvelle figure suivante:



Tension assignée [kV]	Tension de tenue assignée aux chocs de foudre [kV]	ϕd_1	ϕd_2	ϕd_3	ϕd_4	ϕd_5	ϕd_6	ϕd_7	ϕd_8	ϕd_9	L_1 max	L_2 min	L_3 min	L_4	L_5 max (note 2)	L_6 max (note 1)	L_7 max (note 1)	$n_1 \times m_1$ (note 1)	$n_2 \times m_2$ (note 1)	S_1 max	S_2 min	ϕt_1	ϕt_2
52	325	$100^{+0.5}_0$	$99^{+0.5}_0$	$250^{+0.5}_0$	$200^{+0.5}_0$	$196^{+0.5}_0$	$315^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	330^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	200^{+3}_0	260^{+3}_0	70^{+3}_0	285^{+3}_0
123	550	$100^{+0.5}_0$	$99^{+0.5}_0$	$300^{+0.5}_0$	$220^{+0.5}_0$	$215^{+0.5}_0$	$335^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	520^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	220^{+3}_0	280^{+3}_0	70^{+3}_0	305^{+3}_0
170	750	$140^{+0.5}_0$	$139^{+0.5}_0$	$450^{+0.5}_0$	$220^{+0.5}_0$	$215^{+0.5}_0$	$335^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	520^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	220^{+3}_0	280^{+3}_0	70^{+3}_0	305^{+3}_0
245	850	$140^{+0.5}_0$	$139^{+0.5}_0$	$450^{+0.5}_0$	$220^{+0.5}_0$	$215^{+0.5}_0$	$335^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	520^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	220^{+3}_0	280^{+3}_0	70^{+3}_0	305^{+3}_0
300	1000	$140^{+0.5}_0$	$139^{+0.5}_0$	$450^{+0.5}_0$	$220^{+0.5}_0$	$215^{+0.5}_0$	$335^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	520^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	220^{+3}_0	280^{+3}_0	70^{+3}_0	305^{+3}_0
362	1175	$140^{+0.5}_0$	$139^{+0.5}_0$	$450^{+0.5}_0$	$220^{+0.5}_0$	$215^{+0.5}_0$	$335^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	520^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	220^{+3}_0	280^{+3}_0	70^{+3}_0	305^{+3}_0
550	1550	$140^{+0.5}_0$	$139^{+0.5}_0$	$450^{+0.5}_0$	$220^{+0.5}_0$	$215^{+0.5}_0$	$335^{+0.5}_0$	$16^{+0.5}_0$	$25^{+0.5}_0$	$30^{+0.5}_0$	$20^{+0.5}_0$	520^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	3^{+1}_0	$4 \times M12$	$8 \times M12$	220^{+3}_0	280^{+3}_0	70^{+3}_0	305^{+3}_0

Notes

1 L'orientation des trous de fixation doit être conforme à la Vue A

2 Selon les instructions du fabricant de l'appareillage, un logement jusqu'à 3 mm peut être prévu ou non