

No.

316 / NOR 45

3rd prolongation

**CERTIFICATE OF JUMPING HILL
CERTIFICAT DE CONFORMITE
SCHANZENPROFILBESTÄTIGUNG**

Date of issue 15.01.2020
Établi le
Ausgestellt am

Valid till 31.03.2025
Valable jusqu' au
Gültig bis

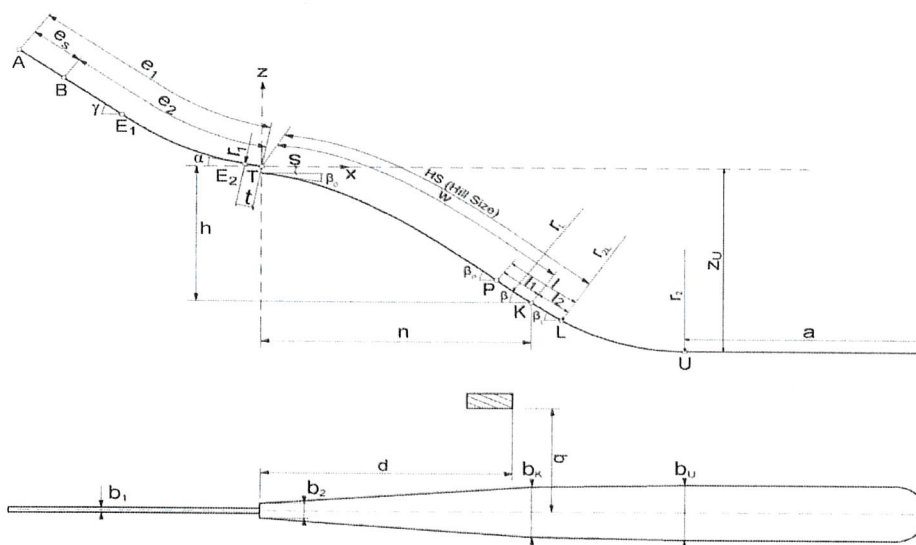
Place: Rena

Name: Rena Bakken HS111

HS = 109 m

h/n 0,554

Vo = 24,60 m/s



$e_1 = 102,65 \text{ m}$	$l_1 = 6,60 \text{ m}$	$Z_u = 70,20 \text{ m}$
$e_2 = 77,95 \text{ m}$	$l_2 = 10,00 \text{ m}$	$P = 92,40 \text{ m}$
$e_s = 24,70 \text{ m}$ 36 gates	$a = 75,00 \text{ m}$ 3° sloping up	$K = 99,00 \text{ m}$
$t = 6,80 \text{ m}$	$\beta_p = 35,50^\circ$	$L = 109,00 \text{ m}$
$\gamma = 34,00^\circ$	$\beta = 34,50^\circ$	$b_1 = 2,80 \text{ m}$
$\alpha = 11,00^\circ$	$\beta_L = 32,00^\circ$	$b_2 = 7,50 \text{ m}$
$r_1 = 100,00 \text{ m}$	$r_L = 260,00 \text{ m}$	$b_K = 20,00 \text{ m}$
$h = 47,74 \text{ m}$	$r_{2L} = / \text{ m}$	$b_U = *44,2 \text{ m}$
$n = 86,17 \text{ m}$	$r_2 = 110,00 \text{ m}$	$d = 39,60 \text{ m}$
$s = 2,48 \text{ m}$		$q = 24,00 \text{ m}$

Remarks / Bemerkungen

1. inspection by Christian Kathol (17th August 2019)
2. The operator is responsible for compliance with the FIS ski jumping hill construction norms and the FIS International Competition Rules (ICR) during training and competitions
3. the remarks of the inspection-report must be observed and fulfilled for the validity of the certification.
4. $b_U = 44,20\text{m}^*$ = total width of both hills
5. correction of HS

JUMPING HILL APPROVED BY THE FIS
TREMPLEIN HOMOLOGUE PAR LA FIS
DURCH DIE FIS GENEHMIGTE SPRUNGSCHANZE

CHAIRMAN:

Hans-Martin Renn