



TECHNICAL DRAWINGS LIFT SYSTEMS

INDUSTRIAL DOORS 3" TRACK

Build in information					
Drum code	Opening height Max. (mm)	Door weight Max. (kg)	High Lift Max. (mm)	Size Z (mm)	Centerline Bearing plate (mm)
Normal Lift					
FFNL12	3680	500		132 / 150**	86 / 111**
FFNL18	5570	500		166 / 184**	86 / 111**
FFNL32	10000	700		237	127
FFNL32 (-125)	10000	700		237	152
High Lift					
FFHL54	4800	500	1370	199	111
FFHL120	4800	500	3050	249	127
FFHL164	6000	650	4100	295	152
FFHL164 (-125)	6000	650	4100	295	152
Vertical Lift					
FFVL11	3300	500		229	127
FFVL18	6000	500		295	152
FFVL18 (-125)	6000	500		295	152
FFVL28	7450	825		356	180
FFVL28 (-125)	7450	825		356	180

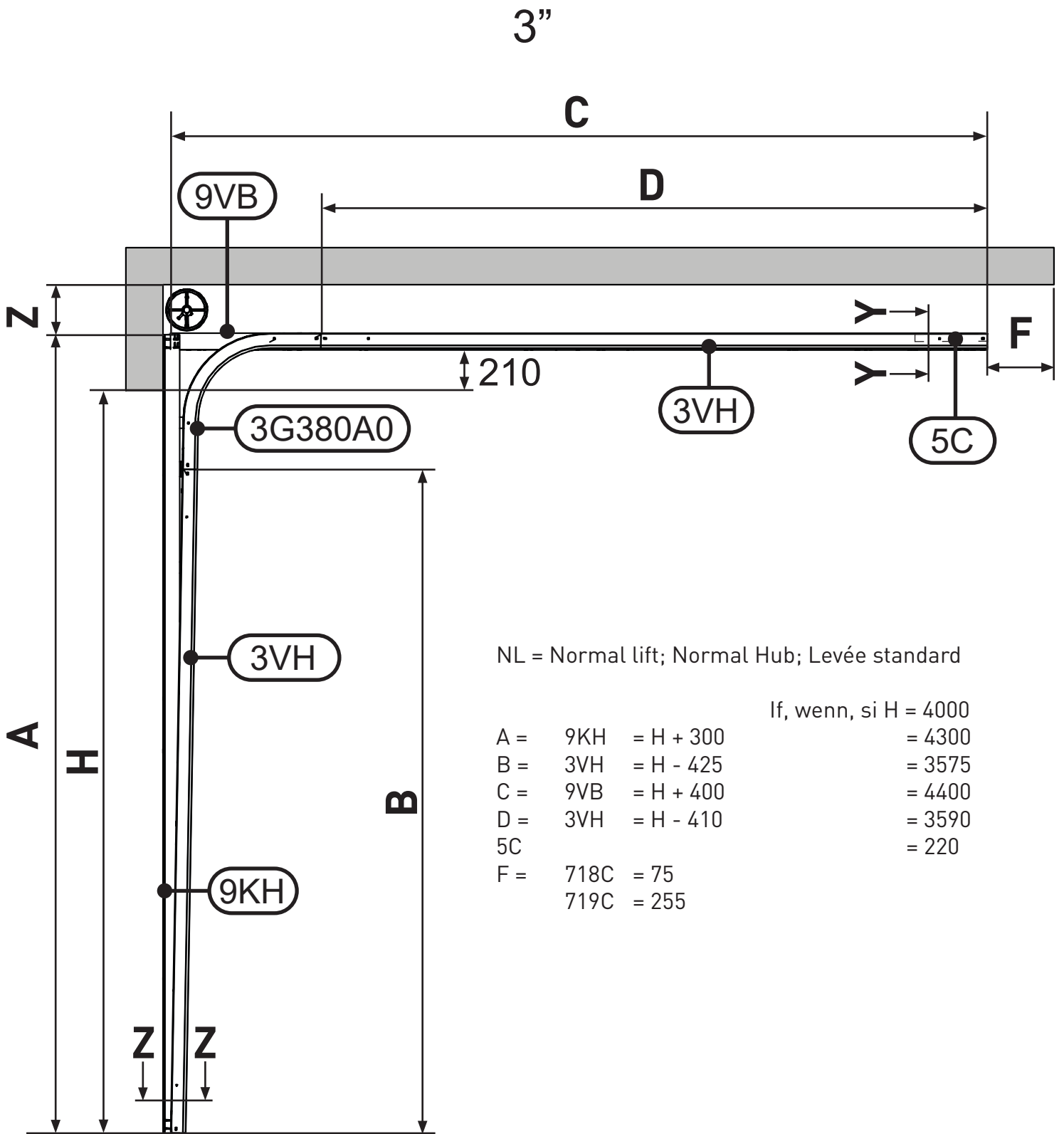
* Till opening height 6000 mm all HL sizes are possible, above it depends on the opening height

** Size Z and Centerline bearing plate in case 6" springs are being selected.

Size Z is based on springs mounted inside out.

Content

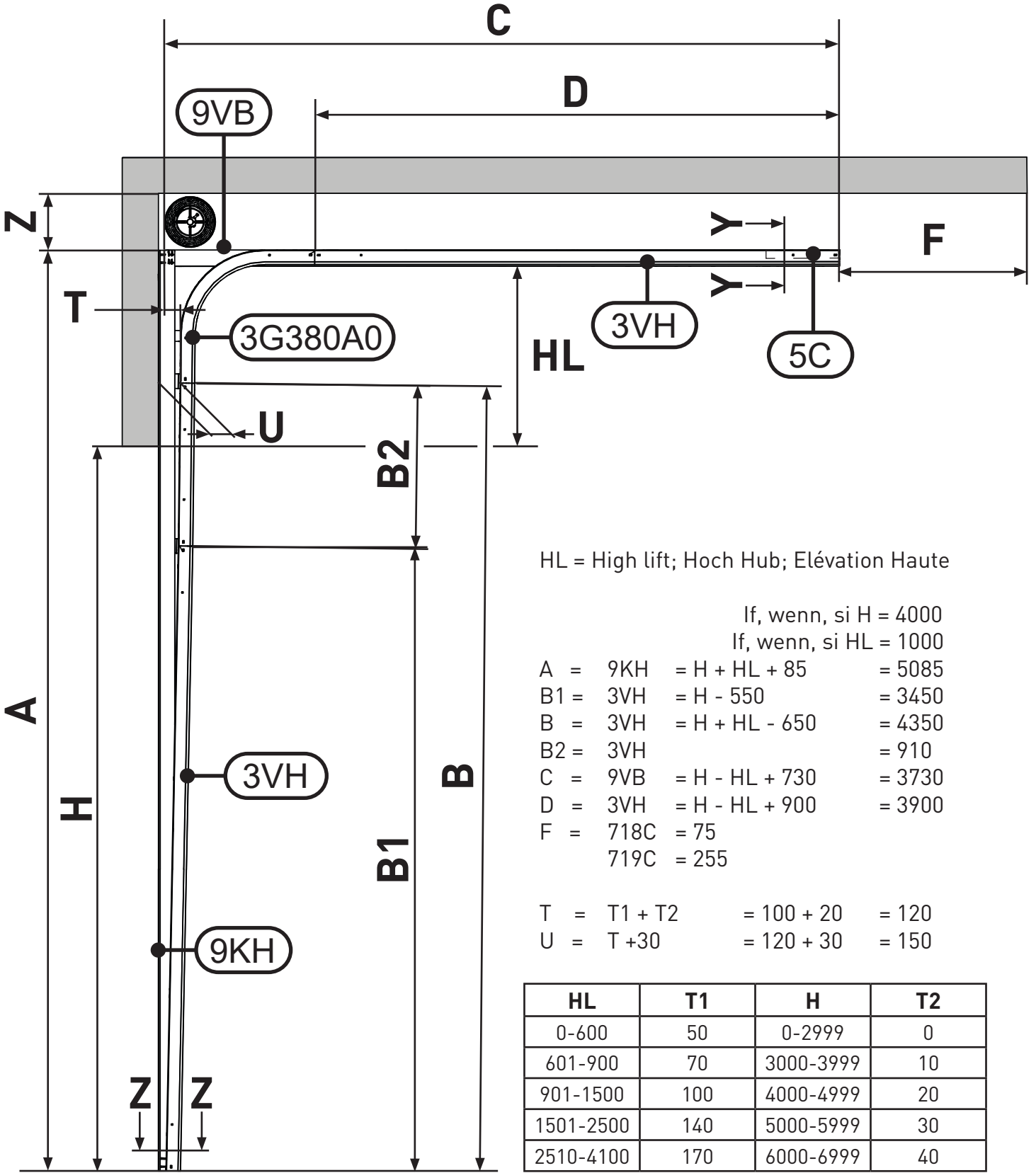
NL 3"	Normal Lift 3"	page	2
HL 3"	High Lift 3"	page	3
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NL = Normal lift; Normal Hub; Levée standard

A =	9KH	= H + 300	If, wenn, si H = 4000	= 4300
B =	3VH	= H - 425		= 3575
C =	9VB	= H + 400		= 4400
D =	3VH	= H - 410		= 3590
	5C			= 220
F =	718C	= 75		
	719C	= 255		

3"



HL = High lift; Hoch Hub; Elévation Haute

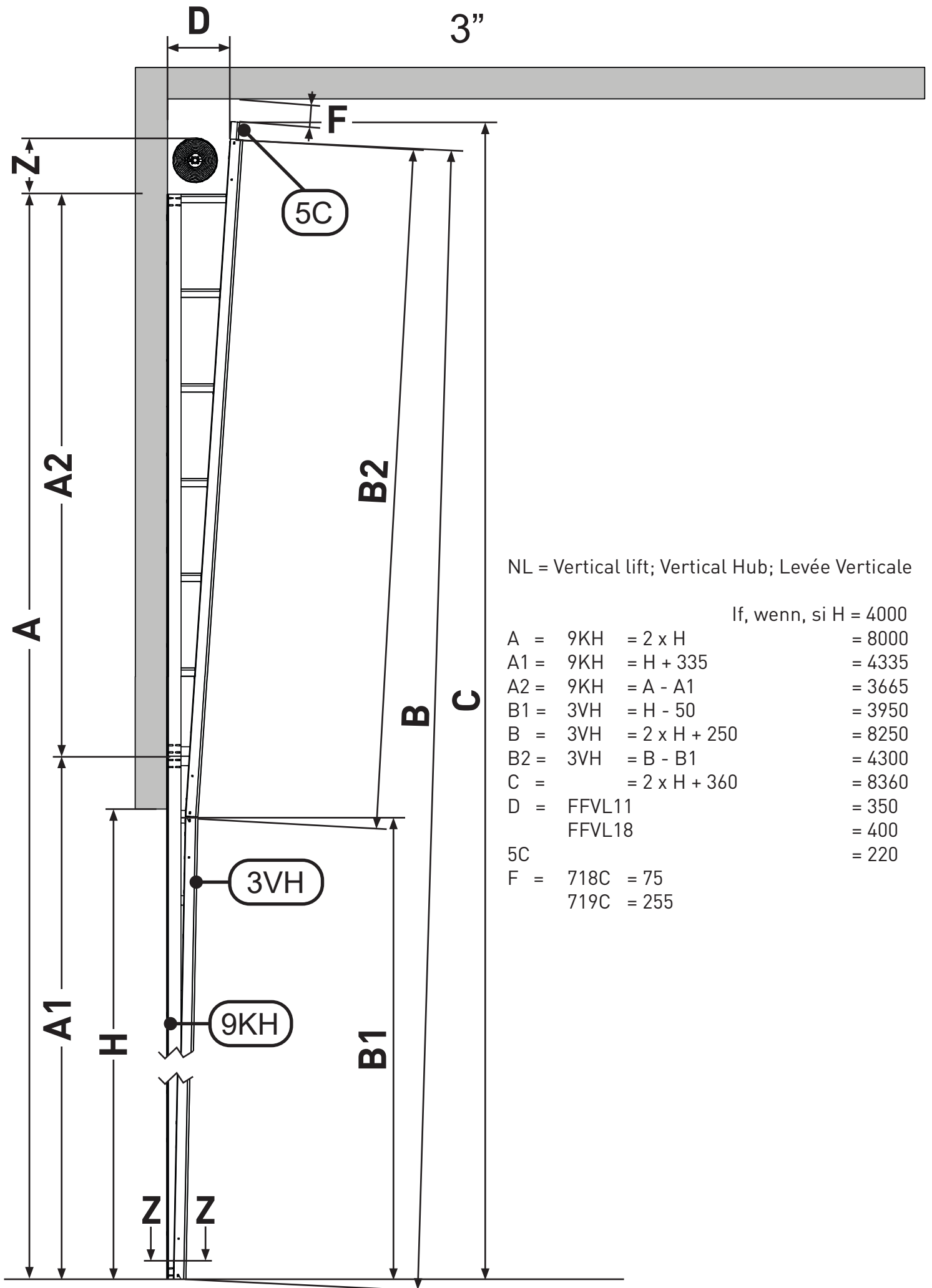
If, wenn, si H = 4000

If, wenn, si HL = 1000

$$\begin{aligned}
 A &= 9KH = H + HL + 85 = 5085 \\
 B1 &= 3VH = H - 550 = 3450 \\
 B &= 3VH = H + HL - 650 = 4350 \\
 B2 &= 3VH = 910 \\
 C &= 9VB = H - HL + 730 = 3730 \\
 D &= 3VH = H - HL + 900 = 3900 \\
 F &= 718C = 75 \\
 &= 719C = 255
 \end{aligned}$$

$$\begin{aligned}
 T &= T1 + T2 = 100 + 20 = 120 \\
 U &= T + 30 = 120 + 30 = 150
 \end{aligned}$$

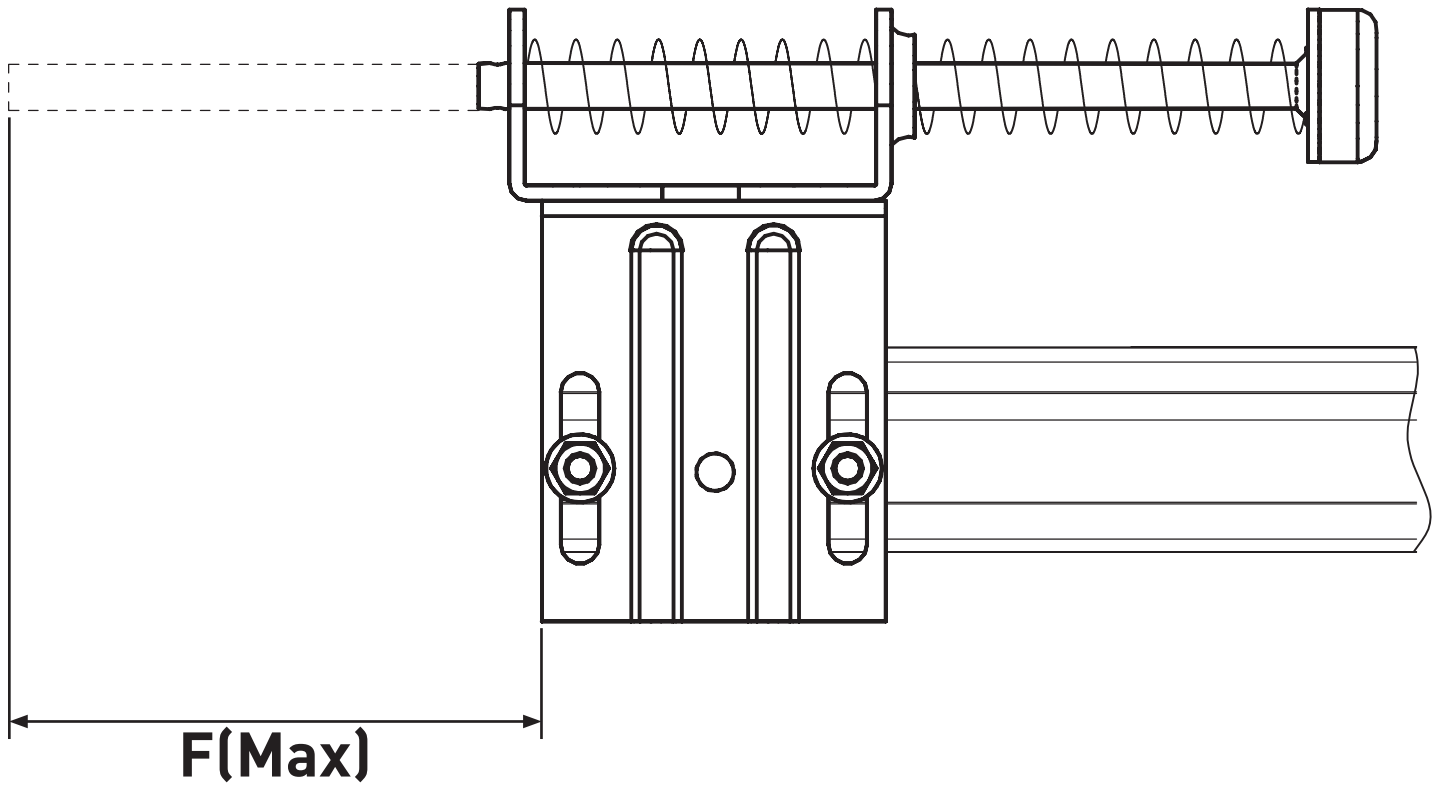
HL	T1	H	T2
0-600	50	0-2999	0
601-900	70	3000-3999	10
901-1500	100	4000-4999	20
1501-2500	140	5000-5999	30
2510-4100	170	6000-6999	40



NL = Vertical lift; Vertical Hub; Levée Verticale

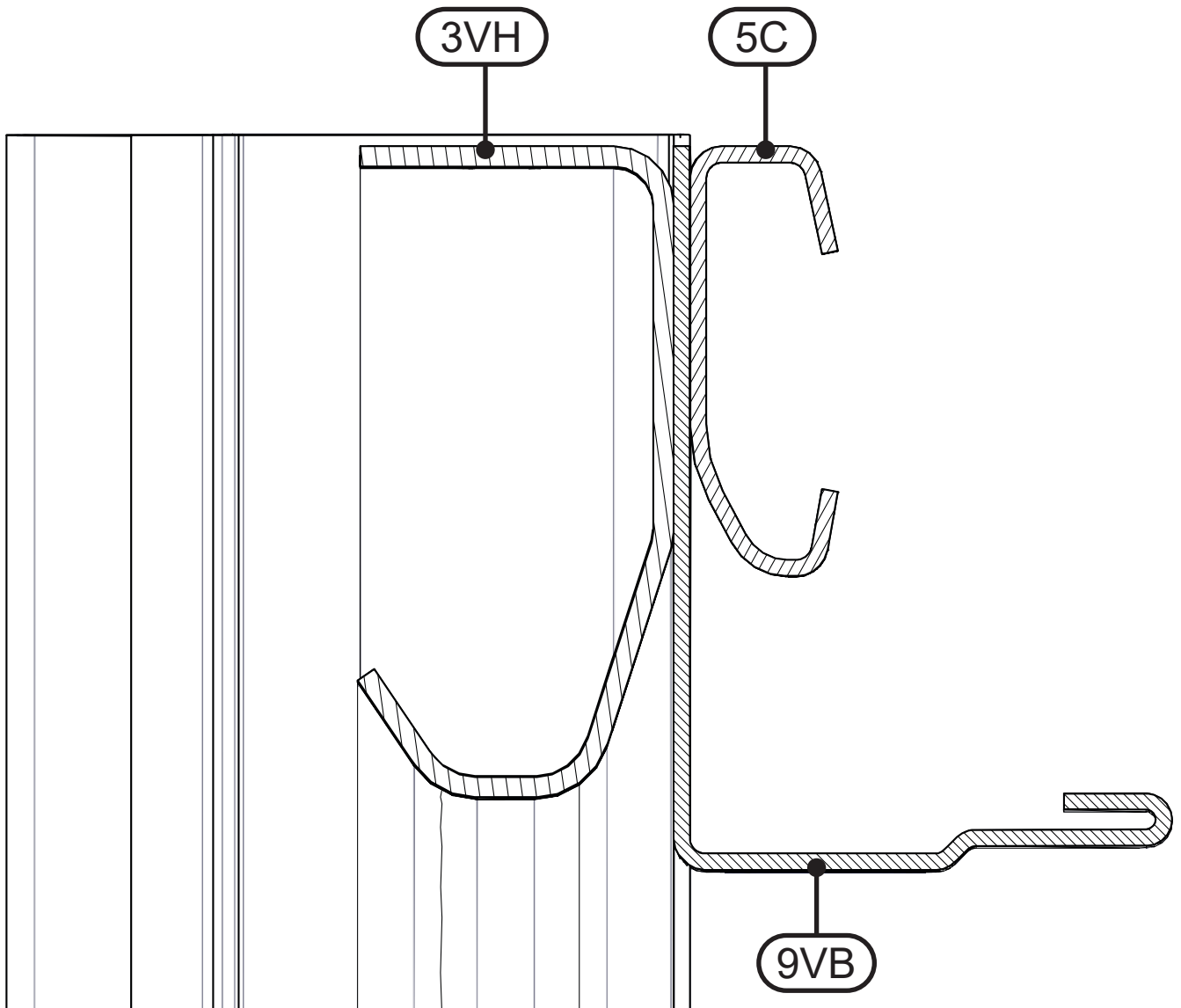
If, wenn, si H = 4000

A =	9KH	= 2 x H	= 8000
A1 =	9KH	= H + 335	= 4335
A2 =	9KH	= A - A1	= 3665
B1 =	3VH	= H - 50	= 3950
B =	3VH	= 2 x H + 250	= 8250
B2 =	3VH	= B - B1	= 4300
C =		= 2 x H + 360	= 8360
D =	FFVL11		= 350
	FFVL18		= 400
5C			= 220
F =	718C	= 75	
	719C	= 255	



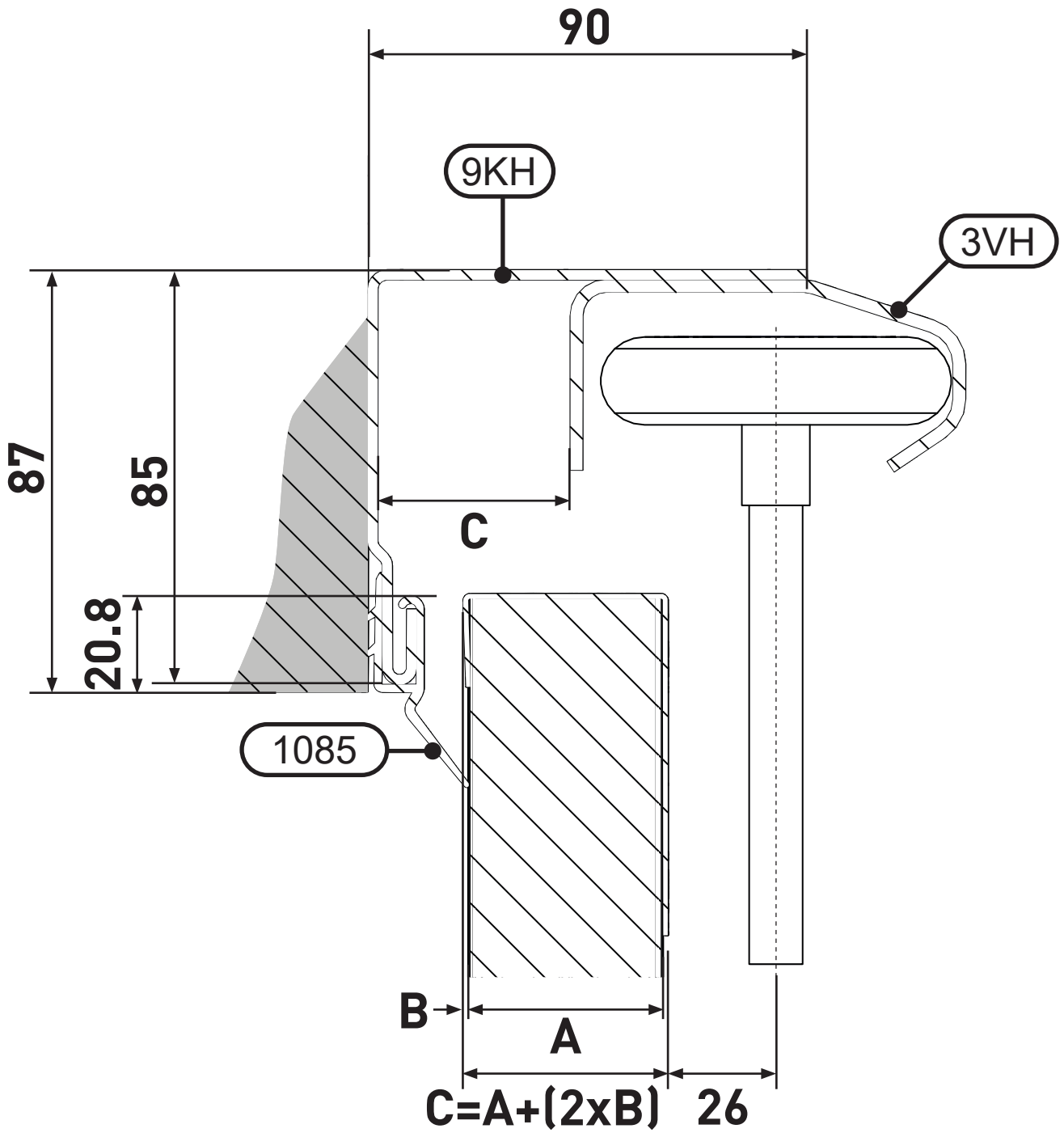
Type	F
718C	75
719C	255

3"



Y-Y

3"



If A = 40 mm
B = 1 mm
C = 40 + (2 x 1) = 42

Z-Z