

TEST REPORT OF FORCE MEASUREMENT - TEST OF TYPE

Laboratory: Ark Wrought Ironwork

Address:

Measuring instrument: Speed Force (art. 50V001T)

Builder: Microtronics srl

Serial Number: 00002541

Calibration date: 05/10/2010

Customer: CR Gates Ltd

Address: 139 Humber Way
Langley
Slough

Technician/Builder: CR Gates Ltd

Address: 139 Humber Way, Langley, Slough
Berkshire SL38SS

Door identification: Single 5 Bar metal Gate

Location: Lower Farm, St Leonards Hill
Windsor, Berks

Installation date: 12/4/2011

Door type: Hinged gate

Applied norm: EN 12453

Brand and model: N/a

Dimension of door: 3400mm x 1200mm

Weight of door: 130 kg

Kind of edge: Resistive Monitored edge x 2

Security device: Photocells between Piers

Motor: DU350NV

Electronic panel: Beninca

Adjustments: Motor torque set at 75%

Power supply: 230 volt ac

Temperature: 15

Annotations

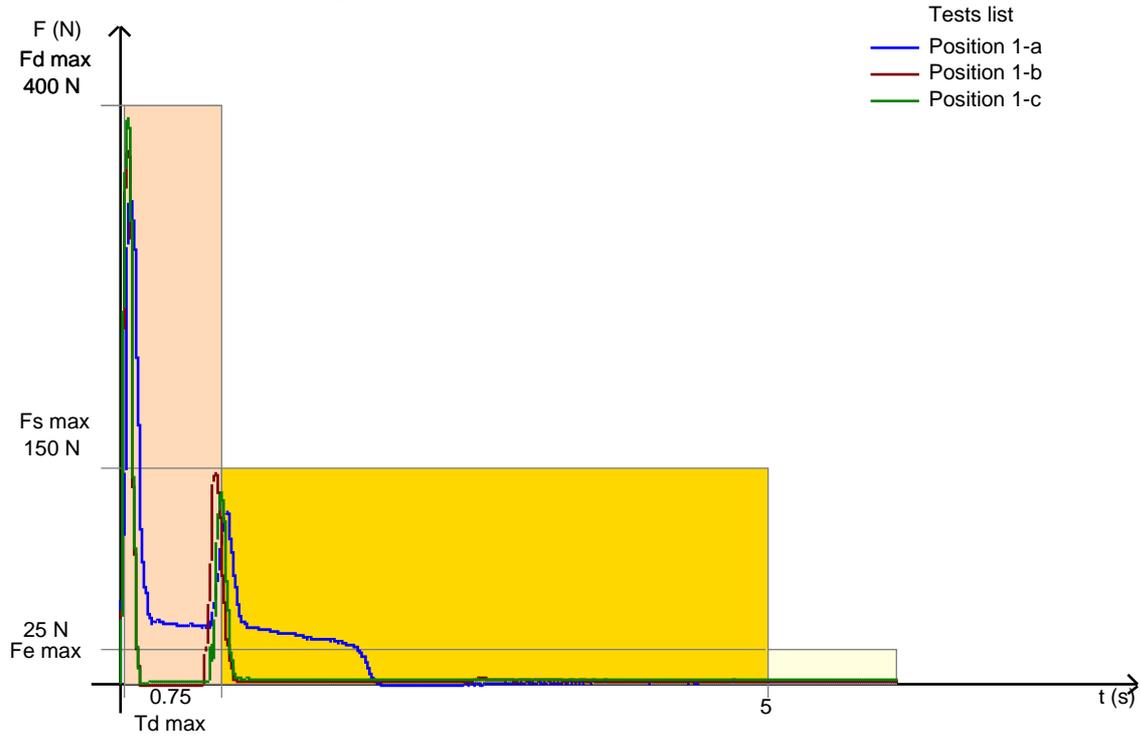
Test Report nr.:

Test date:

Carried out by:

Approved by:

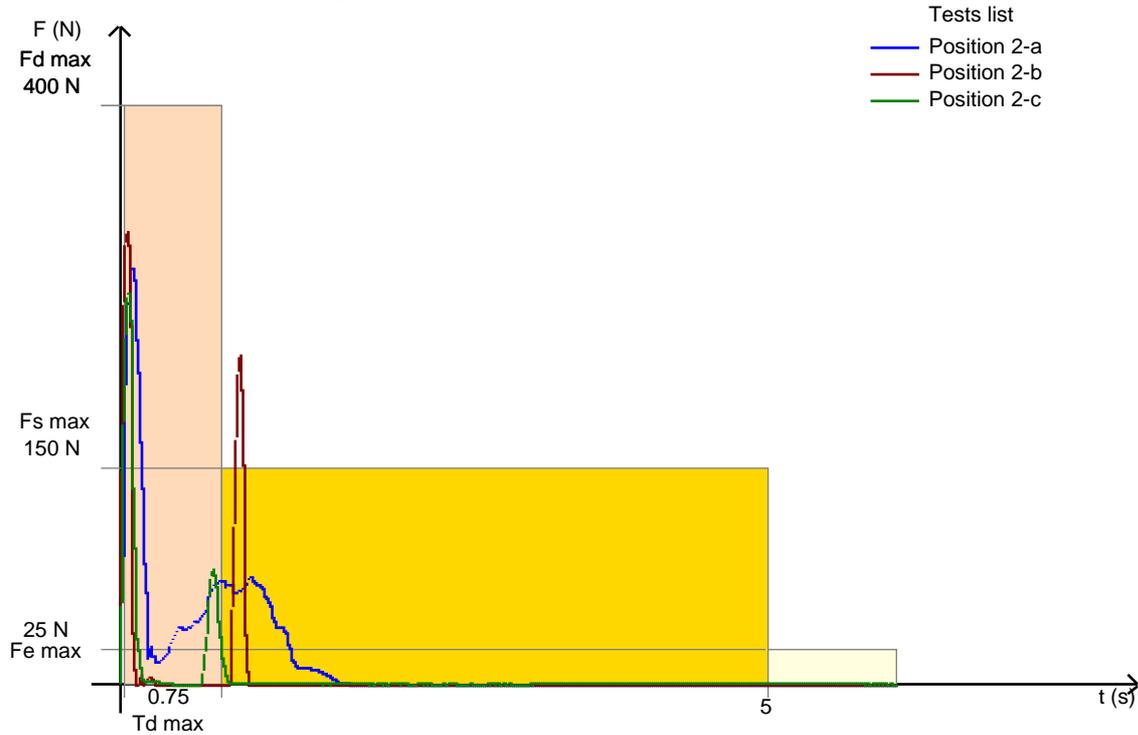
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 1



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 1-a	335	0.11	17	2	
Position 1-b	370	0.08	6	3	
Position 1-c	392	0.08	7	5	
Average Value	365	0.09	10	3	Result PASS

Annotations:

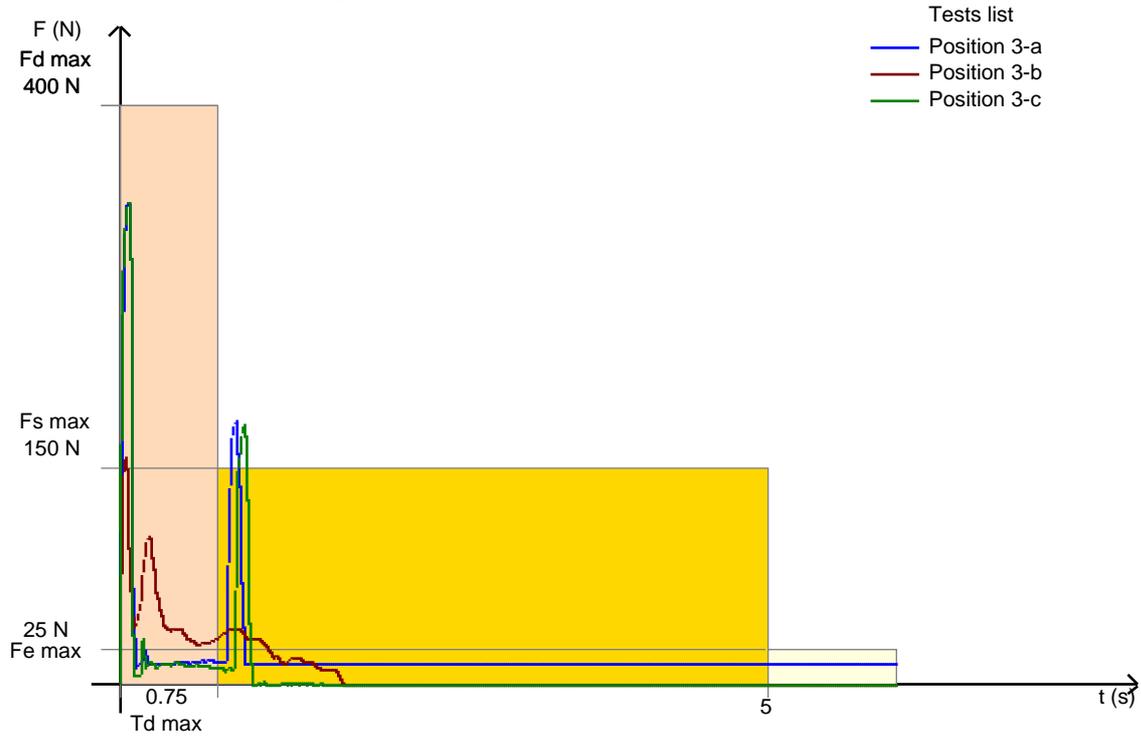
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 2



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 2-a	288	0.13	12	0	
Position 2-b	314	0.07	3	0	
Position 2-c	271	0.08	3	2	
Average Value	291	0.09	6	0	Result PASS

Annotations:

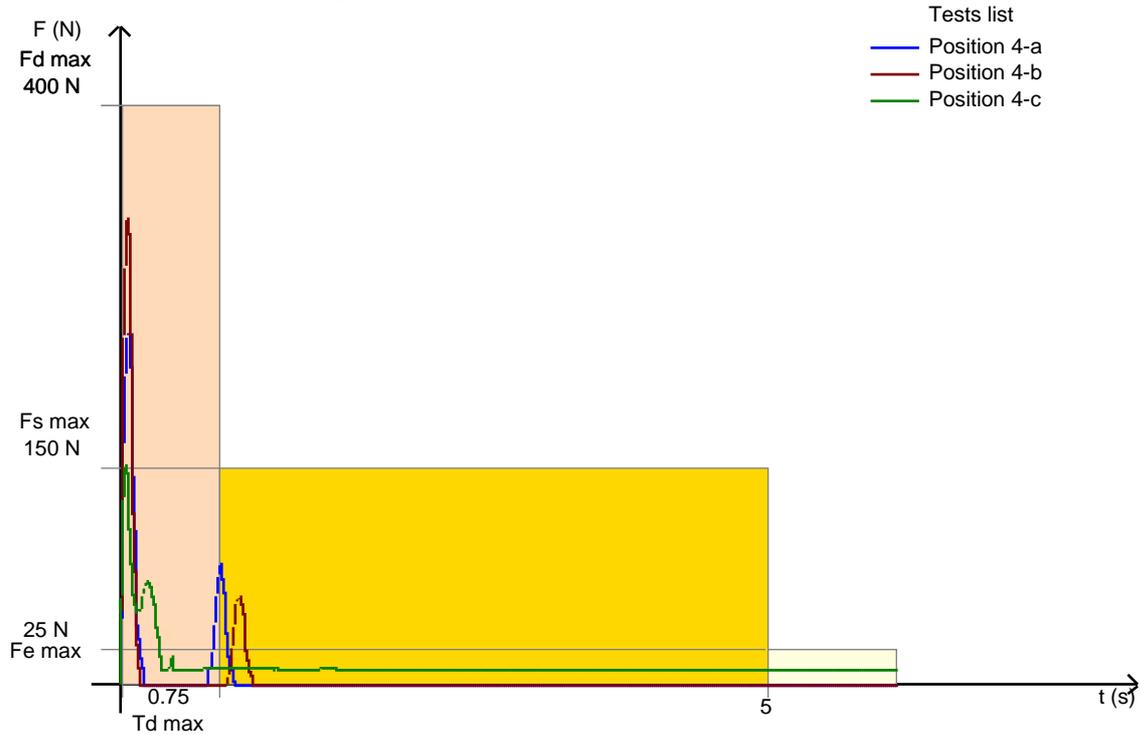
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 3



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 3-a	343	0.08	3	0	
Position 3-b	160	0.01	11	0	
Position 3-c	334	0.08	4	0	
Average Value	279	0.06	6	0	Result PASS

Annotations:

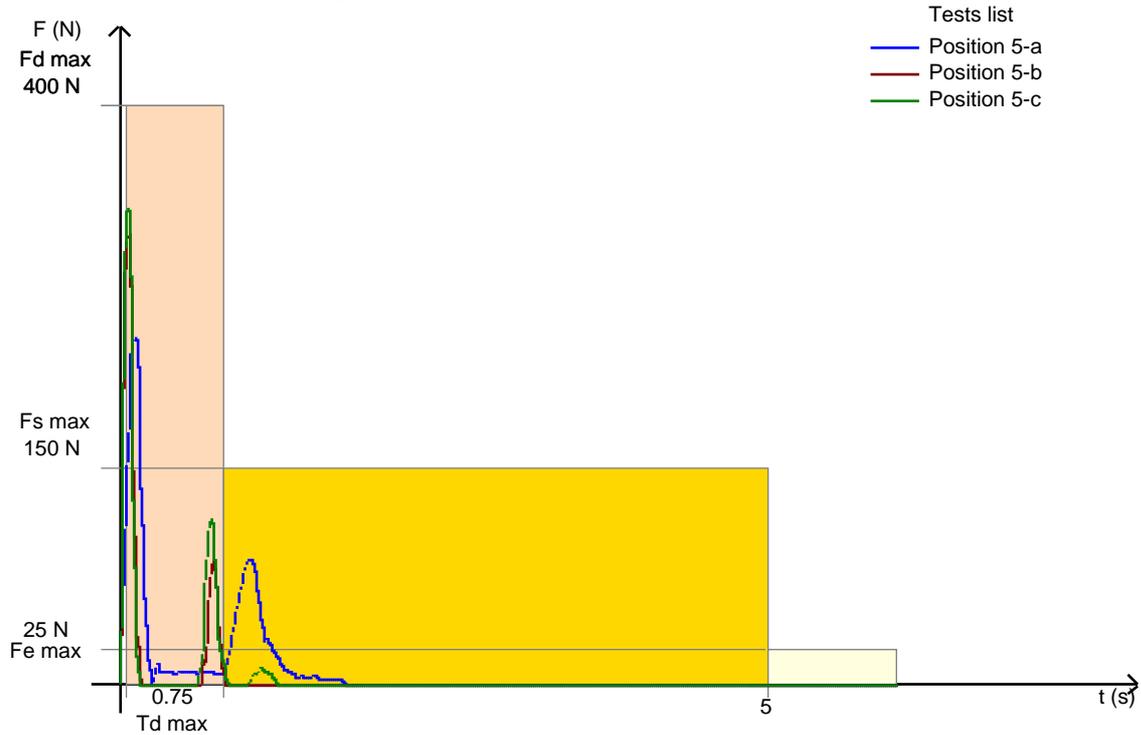
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 4



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 4-a	244	0.07	2	0	
Position 4-b	323	0.08	2	1	
Position 4-c	160	0.00	4	0	
Average Value	242	0.05	2	0	Result PASS

Annotations:

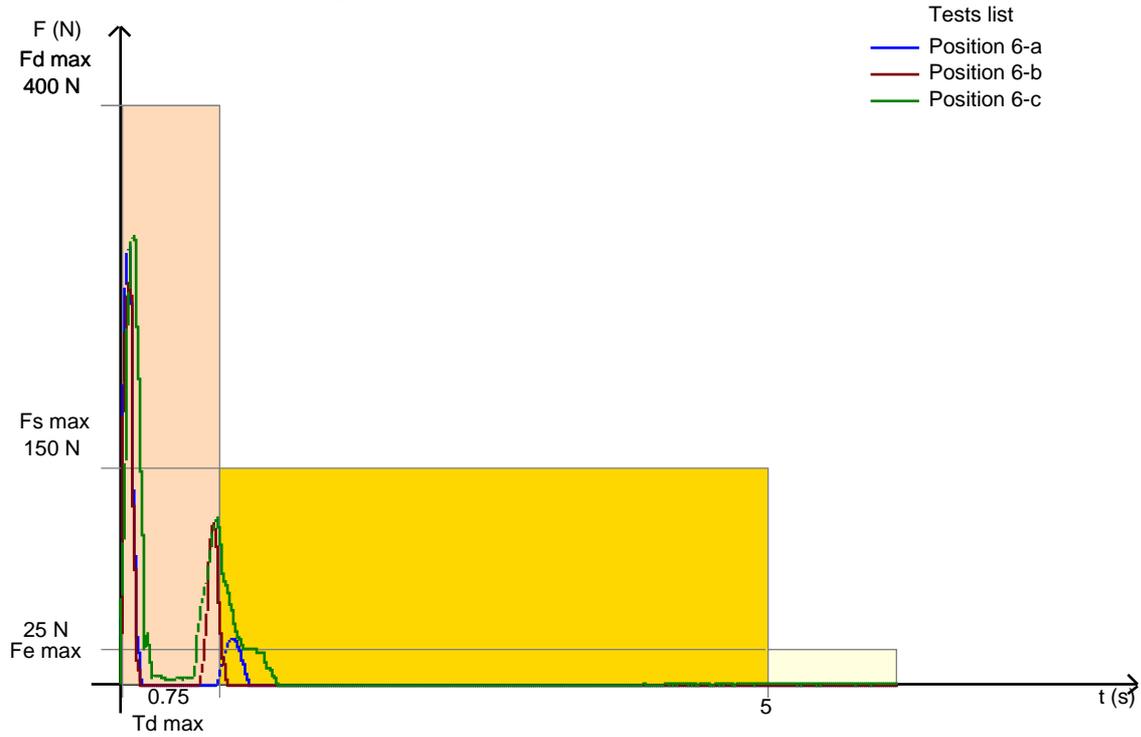
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 5



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 5-a	241	0.10	7	0	
Position 5-b	311	0.08	2	0	
Position 5-c	330	0.07	3	0	
Average Value	294	0.08	4	0	Result PASS

Annotations:

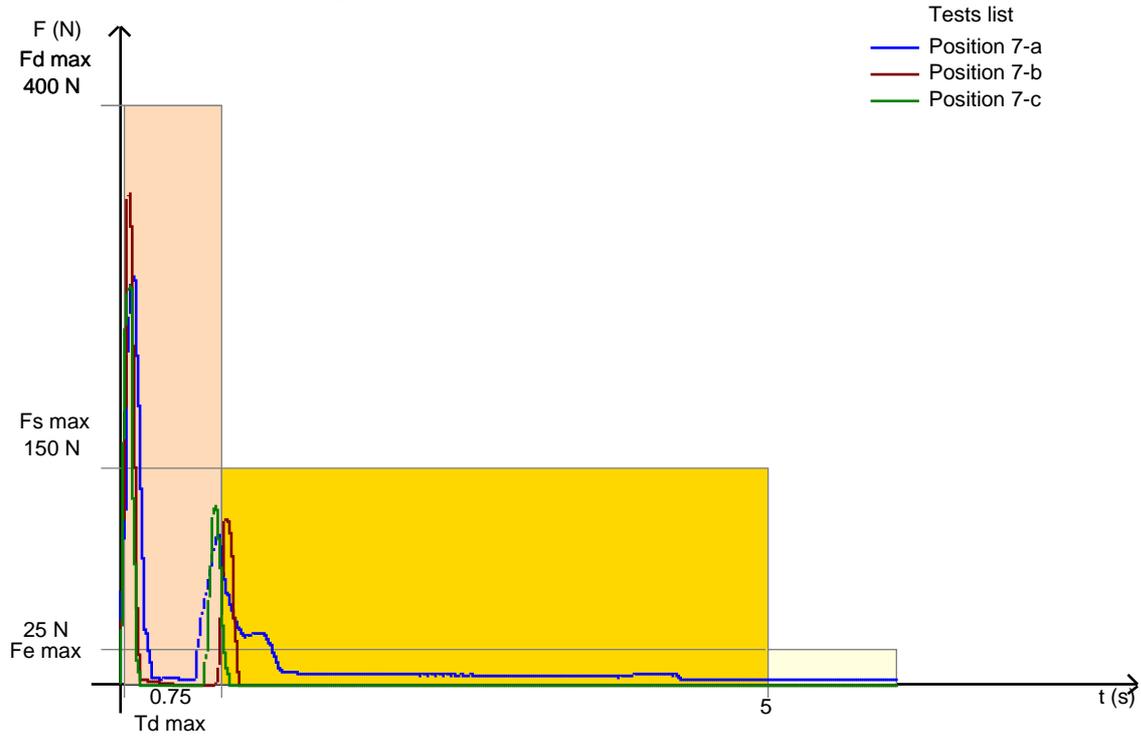
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 6



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 6-a	305	0.07	1	0	
Position 6-b	279	0.07	2	0	
Position 6-c	311	0.12	7	1	
Average Value	298	0.09	3	0	Result PASS

Annotations:

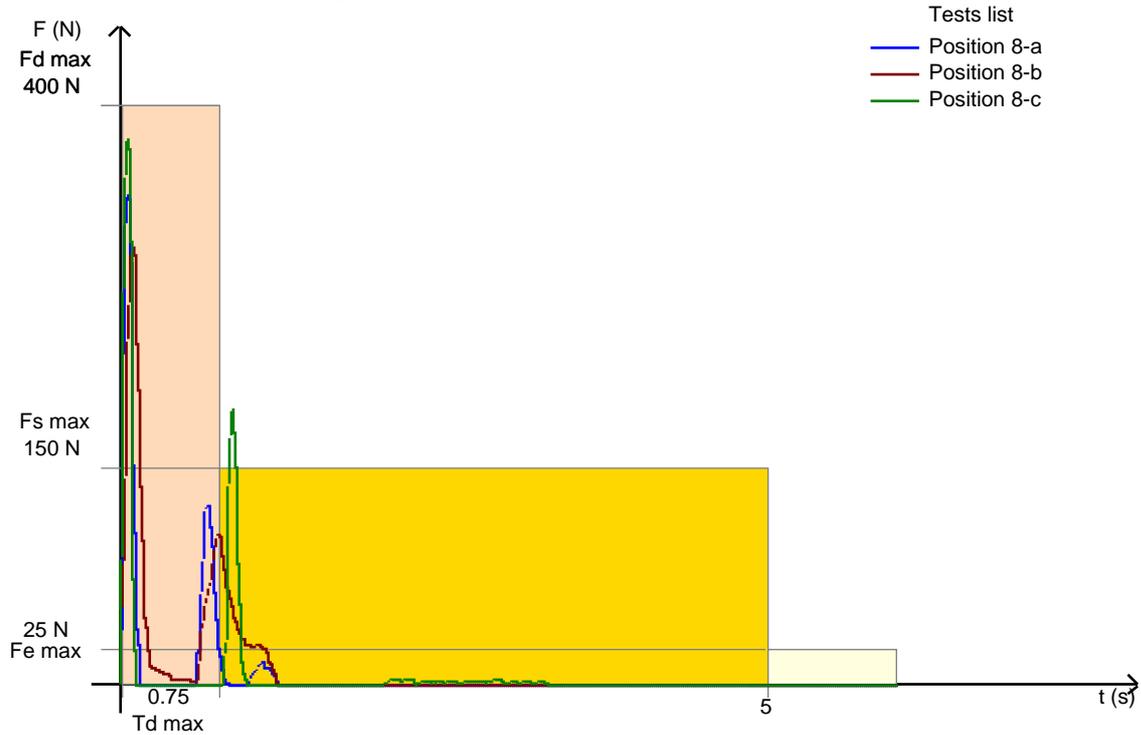
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 7



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 7-a	283	0.11	13	5	
Position 7-b	340	0.07	2	0	
Position 7-c	277	0.07	2	0	
Average Value	300	0.08	5	1	Result PASS

Annotations:

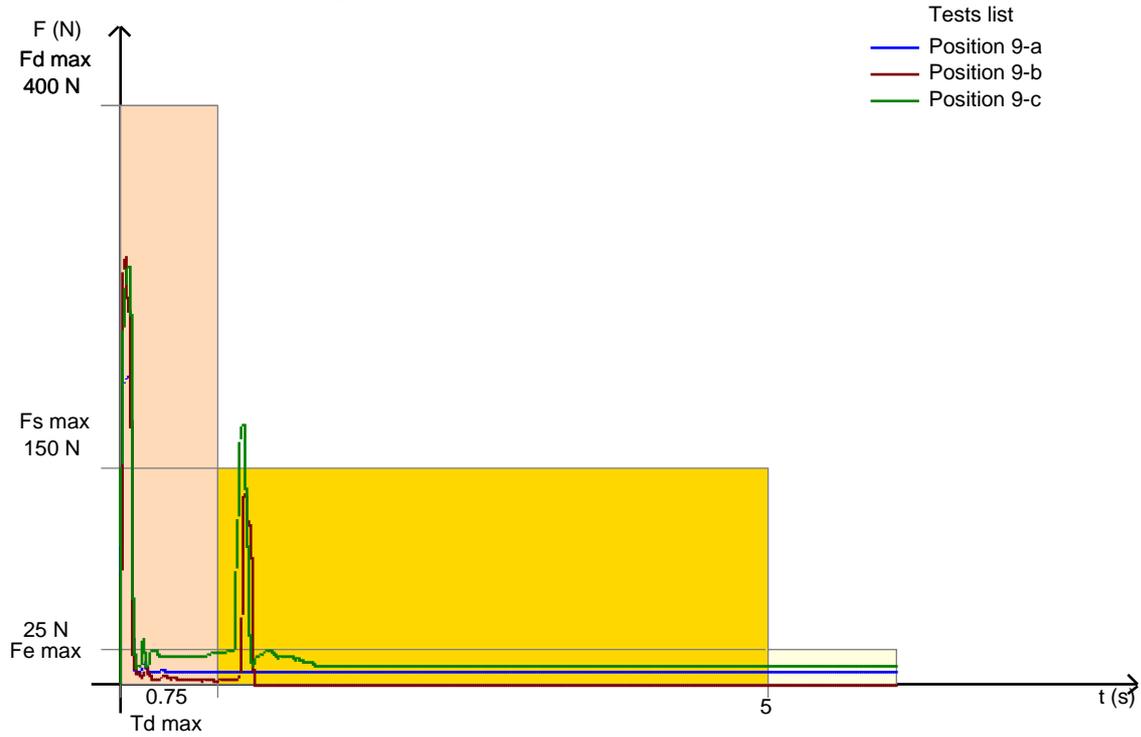
Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 8



Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 8-a	339	0.08	4	1	
Position 8-b	303	0.11	6	0	
Position 8-c	378	0.08	3	0	
Average Value	340	0.09	4	0	Result PASS

Annotations:

Diagram of impact force, measured on: Single 5 Bar metal Gate - Point of measure: 9



Tests list
 — Position 9-a
 — Position 9-b
 — Position 9-c

Reference:	Dynamic Force Fd [N]	Dynamic Time Td [s]	Static Force Fs [N]	End Force Fe [N]	
Position 9-a	220	0.07	0	0	
Position 9-b	299	0.07	2	0	
Position 9-c	299	0.08	4	0	
Average Value	272	0.07	2	0	Result PASS

Annotations: